Appendix 3.4

Air Quality Data

Construction Equipment and Activity Data from the Project Developer

PROJECTED CONSTRUCTION EQUIPMENT NEEDS BY PHASE AND ACTIVITY

					Actual Start and Finish Dates for Equipment		Work Days		
PARCEL / PHASE	**Equipment Type/Fuel**	**Number**	**Horsepower**	**Hours/day**	**Approx. Start**	**Approx. Finish**	**Days**	**Approx. Start**	**Approx. Finish**
PARCEL 5 - Site Prep, Clear and Grub and Rough Grading									
	Scrapers Cat 657G/Diesel	3	600	8	6/17/17	7/20/17	56	Mon 10/31/16	Tue 11/21/17
	Dozer D9T / Diesel	2	436	8	6/17/17	11/21/2017 *	62	Mon 10/31/16	Tue 11/21/17
	Excavator 374 FL / Diesel	1	472	4	6/17/17	11/21/2017 *	20	Mon 10/31/16	Tue 11/21/17
	825 Compactors	2	354	8	6/17/17	11/21/2017 *	25	Mon 10/31/16	Tue 11/21/17
	Auger Cast Caissons & Site Utilities								
	John Deere 410K TC Backhoe Loader / Diesel	3	106	8	11/22/17	1/2/18	26	Wed 11/22/17	Tue 1/2/18
	Auger Cast Caissons Drill Rig / Diesel	2	282	8	11/22/17	1/2/18	26	Wed 11/22/17	Tue 1/2/18
	Curb, Gutter & Interior Roads								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	6	6/13/18	9/18/2018 *	20	Wed 6/13/18	Tue 9/18/18
	AP 600 D Cat Asphalt Paver / Diesel	2	174	8	6/13/18	9/18/2018 *	49	Wed 6/13/18	Tue 9/18/18
	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	3	49	8	6/13/18	9/18/2018 *	10	Wed 6/13/18	Tue 9/18/18
	Building Construction								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8	2/21/17	12/3/18 *	30	Mon 2/5/17	Fri 3/28/19
	Link Belt Conventional Lattice Crawler Crane/Diesel	1	282	8	5/6/18	12/15/18 *	159	Mon 2/5/17	Fri 3/28/19

PROJECTED CONSTRUCTION EQUIPMENT NEEDS BY PHASE AND ACTIVITY

					Actual Start and Finish Dates for Equipment		Work Days		
PARCEL / PHASE	**Equipment Type/Fuel**	**Number**	**Horsepower**	**Hours/day**	**Approx. Start**	**Approx. Finish**	**Days**	**Approx. Start**	**Approx. Finish**
PARCEL 4 -Phase 2									
	Site Prep, Clear and Grub, Rough Grading, Including Importing Dirt from Parcel 3 and Tasman								
11.8125	Scrapers Cat 657G/Diesel	4	600	8	1/2/17	8/11/2017 *	74	Mon 1/2/17	Fri 8/11/17
	Dozer D9T / Diesel	4	436	8	1/2/17	8/11/2017 *	80	Mon 1/2/17	Fri 8/11/17
	Cat 140M3 Grader / Diesel	2	200	4	1/2/17	8/11/2017 *	30	Mon 1/2/17	Fri 8/11/17
	Cat 374 F L / Diesel	2	472	2	1/2/17	8/11/2017 *	74	Mon 1/2/17	Fri 8/11/17
	825 Compactors	4	354	8	1/2/17	8/11/2017 *	74	Mon 1/2/17	Fri 8/11/17
	Off Highway Dump Truck Cat 770 / Diesel	2	476 (Net)	8	1/2/17	8/11/2017 *	30	Mon 1/2/17	Fri 8/11/17
	Wheel Loader 986 H / Diesel	2	409 (Net)	8	1/2/17	8/11/2017 *	30	Mon 1/2/17	Fri 8/11/17
	Demolition								
	Komatsu PC360LC/NLC-10	2	275	8	1/2/17	2/24/17	37	Mon 1/2/17	Fri 2/24/17
	Auger Cast Caissons & Site Utilities								
	John Deere 410K TC Backhoe Loader / Diesel	5	106	8	7/26/17	3/6/2018 *	101	Wed 7/26/17	Tue 3/6/18
	Auger Cast Caissons Drill Rig / Diesel	3	282	8	7/26/17	3/6/2018 *	101	Wed 7/26/17	Tue 3/6/18
	Curb, Gutter & Interior Roads								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	6	12/13/18	7/24/2019 *	98	Thu 12/13/18	Wed 7/24/19
	AP 600 D Cat Asphalt Paver / Diesel	2	174	8	12/13/18	7/24/2019 *	60	Thu 12/13/18	Wed 7/24/19
	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	5	49	4 as required	12/13/18	7/24/2019 *	10	Thu 12/13/18	Wed 7/24/19
	Building Construction								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8	3/7/18	6/1/2020 *	20	Wed 3/7/18	Fri 10/16/20
	Link Belt Conventional Lattice Crawler Crane / Diesel (Garages)	4	282	8	7/25/18	6/1/2020 *	190	Wed 3/7/18	Fri 10/16/20
	Link Belt Conventional Lattice Crawler Crane / Diesel (Entertainment + Retail)	1	282	8	3/7/18	6/1/2020*	120	Wed 3/7/18	Fri 10/16/20

PROJECTED CONSTRUCTION EQUIPMENT NEEDS BY PHASE AND ACTIVITY

					Actual Start and Finish Dates for Equipment		Work Days		
PARCEL / PHASE	Equipment Type/Fuel	Number	Horsepower	Hours/day	Approx. Start	Approx. Finish	Days	Approx. Start	Approx. Finish
PARCEL 4 - PHASE 3									
	Site Prep, Clear and Grub, Rough Grading								
	Scrapers Cat 657G/Diesel	0	600	8	-	-	0	-	-
	Dozer D9T / Diesel	0	436	8	-	-	0	-	-
	Cat 140M3 Grader / Diesel	0	200	8	-	-	0	-	-
	Cat 374 F L / Diesel	0	472	8	-	-	0	-	-
	825 Compactors	0	354	8 as required	-	-	0	-	-
	Off Highway Dump Truck Cat 770 / Diesel	0	476 (Net)	8	-	-	0	-	-
	Wheel Loader 986 H / Diesel	0	409 (Net)	8	-	-	0	-	-
	Auger Cast Caissons & Site Utilities								
	John Deere 410K TC Backhoe Loader / Diesel	5	106	8	7/15/19	10/4/19	59	Mon 7/15/19	Fri 10/4/19
	Auger Cast Caissons Drill Rig / Diesel	3	282	8	7/15/19	10/4/19	59	Mon 7/15/19	Fri 10/4/19
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8 as required	7/15/19	10/4/19	59	Mon 7/15/19	Fri 10/4/19
	Curb, Gutter & Interior Roads								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	6	12/3/18	4/19/2019 *	51	Mon 12/3/18	Fri 4/19/19
	AP 600 D Cat Asphalt Paver / Diesel	2	174	8	2/16/19	4/19/2019 *	44	Mon 12/3/18	Fri 4/19/19
	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	5	49	4 as required	2/16/19	4/19/2019 *	11	Mon 12/3/18	Fri 4/19/19
	Building Construction								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8 as required	1/27/20	12/31/2020 *	25	Mon 2/18/19	Fri 1/29/21
	Link Belt Conventional Lattice Crawler Crane / Diesel (Retail + garage buildings. Assume tower cranes at hotel and residential)	2	282	8	1/27/20	12/31/2020 *	200	Mon 2/18/19	Fri 1/29/21

PROJECTED CONSTRUCTION EQUIPMENT NEEDS BY PHASE AND ACTIVITY

					Actual Start and Finish Dates for Equipment		Work Days		
PARCEL / PHASE	**Equipment Type/Fuel**	**Number**	**Horsepower**	**Hours/day**	**Approx. Start**	**Approx. Finish**	**Days**	**Approx. Start**	**Approx. Finish**
PARCEL 4 - PHASE 4									
	Site Prep, Clear and Grub, Fine Grading –								
	Scrapers Cat 657G/Diesel	3	600	8	10/5/20	3/12/2021 *	25	Mon 10/5/20	Fri 3/12/21
	Dozer D9T / Diesel	3	436	8	10/5/20	3/12/2021 *	30	Mon 10/5/20	Fri 3/12/21
	Cat 140M3 Grader / Diesel	1	200	4	10/5/20	3/12/2021 *	10	Mon 10/5/20	Fri 3/12/21
	Cat 374 F L / Diesel	1	472	2	10/5/20	3/12/2021 *	25	Mon 10/5/20	Fri 3/12/21
	825 Compactors	2	354	8 as required	10/5/20	3/12/2021 *	25	Mon 10/5/20	Fri 3/12/21
	Off Highway Dump Truck Cat 770 / Diesel	1	476 (Net)	8	10/5/20	3/12/2021 *	10	Mon 10/5/20	Fri 3/12/21
	Wheel Loader 986 H / Diesel	1	409 (Net)	8	10/5/20	3/12/2021 *	10	Mon 10/5/20	Fri 3/12/21
	Auger Cast Caissons & Site Utilities								
	John Deere 410K TC Backhoe Loader / Diesel	5	106	8	3/15/21	6/4/21	58	Mon 3/15/21	Fri 6/4/21
	Auger Cast Caissons Drill Rig / Diesel	3	282	8	3/15/21	6/4/21	58	Mon 3/15/21	Fri 6/4/21
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8 as required	3/15/21	6/4/21	58	Mon 3/15/21	Fri 6/4/21
	Curb, Gutter & Interior Roads								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	6	11/15/21	4/1/2022 *	65	Mon 11/15/21	Fri 4/1/22
	AP 600 D Cat Asphalt Paver / Diesel	2	174	8	2/16/22	4/1/2022 *	33	Mon 11/15/21	Fri 4/1/22
	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	5	49	4 as required	2/16/22	4/1/2022 *	33	Mon 11/15/21	Fri 4/1/22
	Building Construction								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8 as required	7/12/21	9/15/2022 *	20	Mon 7/12/21	Fri 10/14/22
	Link Belt Conventional Lattice Crawler Crane / Diesel (Office builidng + garage)	3	282	8	7/12/21	9/1/2022 *	208	Mon 7/12/21	Fri 10/14/22

PROJECTED CONSTRUCTION EQUIPMENT NEEDS BY PHASE AND ACTIVITY

					Actual Start and Finish Dates for Equipment		Work Days		
PARCEL / PHASE	**Equipment Type/Fuel**	**Number**	**Horsepower**	**Hours/day**	**Approx. Start**	**Approx. Finish**	**Days**	**Approx. Start**	**Approx. Finish**
PARCEL 3 - Phase 2 - Export to Parcel 4									
	Export to Parcel 4								
	Scrapers Cat 657G/Diesel	4	600	8	5/1/17	7/5/2017 *	50	Mon 5/1/17	Wed 7/5/17
	Dozer D9T / Diesel	4	436	8	5/1/17	7/5/2017 *	55	Mon 5/1/17	Wed 7/5/17
	Cat 140M3 Grader / Diesel	0	200	8	-	-	0	-	-
	Site Prep, Clear and Grub, Rough Grading								
	Scrapers Cat 657G/Diesel	2	600	8	10/3/22	3/10/2023 *	10	Mon 10/3/22	Fri 3/10/23
	Dozer D9T / Diesel	2	436	8	10/3/22	3/10/2023 *	15	Mon 10/3/22	Fri 3/10/23
	Cat 140M3 Grader / Diesel	2	200	4	10/3/22	3/10/2023 *	10	Mon 10/3/22	Fri 3/10/23
	Cat 374 F L / Diesel	2	472	2	10/3/22	3/10/2023 *	10	Mon 10/3/22	Fri 3/10/23
	825 Compactors	2	354	8 as required	10/3/22	3/10/2023 *	10	Mon 10/3/22	Fri 3/10/23
	Off Highway Dump Truck Cat 770 / Diesel	2	476 (Net)	8	10/3/22	3/10/2023 *	5	Mon 10/3/22	Fri 3/10/23
	Wheel Loader 986 H / Diesel	2	409 (Net)	8	10/3/22	3/10/2023 *	5	Mon 10/3/22	Fri 3/10/23
PARCEL 3 - Phase 5 Construction									
	Auger Cast Caissons & Site Utilities								
	John Deere 410K TC Backhoe Loader / Diesel	5	106	8	1/23/23	4/14/23	58	Mon 1/23/23	Fri 4/14/23
	Auger Cast Caissons Drill Rig / Diesel	3	282	8	1/23/23	4/14/23	58	Mon 1/23/23	Fri 4/14/23
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8 as required	1/23/23	4/14/23	58	Mon 1/23/23	Fri 4/14/23
	Curb, Gutter & Interior Roads								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	6	7/17/23	12/1/2023 *	64	Mon 7/17/23	Fri 12/1/23
	AP 600 D Cat Asphalt Paver / Diesel	2	174	8	7/17/23	12/1/2023 *	34	Mon 7/17/23	Fri 12/1/23
	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	5	49	4 as required	7/17/23	12/1/2023 *	34	Mon 7/17/23	Fri 12/1/23
	Building Construction								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	2	470	8 as required	4/24/23	1/15/2024 *	45	Mon 7/17/23	Fri 1/31/25
	Link Belt Conventional Lattice Crawler Crane / Diesel (Office builidng + garage)	2	282	8	4/24/23	6/1/2024 *	208	Mon 7/17/23	Fri 1/31/25

PROJECTED CONSTRUCTION EQUIPMENT NEEDS BY PHASE AND ACTIVITY

					Actual Start and Finish Dates for Equipment		Work Days		
PARCEL / PHASE	**Equipment Type/Fuel**	**Number**	**Horsepower**	**Hours/day**	**Approx. Start**	**Approx. Finish**	**Days**	**Approx. Start**	**Approx. Finish**
PARCEL 1 - PHASE 6 - Grading Phase 2 - Export to Parcel 2									
	Site Prep, Clear and Grub, Rough Grading								
	Scrapers Cat 657G/Diesel	3	600	8	10/7/24	12/10/2024 *	20	Mon 10/7/24	Tue 12/10/24
	Dozer D9T / Diesel	3	436	8	10/7/24	12/10/2024 *	25	Mon 10/7/24	Tue 12/10/24
	Cat 140M3 Grader / Diesel	2	200	4	10/7/24	12/10/2024 *	10	Mon 10/7/24	Tue 12/10/24
	Cat 374 F L / Diesel	1	472	2	10/7/24	12/10/2024 *	10	Mon 10/7/24	Tue 12/10/24
	825 Compactors	3	354	8 as required	10/7/24	12/10/2024 *	20	Mon 10/7/24	Tue 12/10/24
	Off Highway Dump Truck Cat 770 / Diesel	2	476 (Net)	8	10/7/24	12/10/2024 *	10	Mon 10/7/24	Tue 12/10/24
	Wheel Loader 986 H / Diesel	2	409 (Net)	8	10/7/24	12/10/2024 *	10	Mon 10/7/24	Tue 12/10/24
	Auger Cast Caissons & Site Utilities								
	John Deere 410K TC Backhoe Loader / Diesel	5	106	8	11/27/24	2/18/2025 *	55	Wed 11/27/24	Tue 2/18/25
	Auger Cast Caissons Drill Rig / Diesel	3	282	8	11/27/24	2/18/2025 *	55	Wed 11/27/24	Tue 2/18/25
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8 as required	11/27/24	2/18/2025 *	55	Wed 11/27/24	Tue 2/18/25
	Curb, Gutter & Interior Roads								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	6	11/4/24	3/21/2025 *	70	Mon 11/4/24	Fri 3/21/25
	AP 600 D Cat Asphalt Paver / Diesel	2	174	8	11/4/24	3/21/2025 *	23	Mon 11/4/24	Fri 3/21/25
	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	5	49	4 as required	11/4/24	3/21/2025 *	23	Mon 11/4/24	Fri 3/21/25
	Building Construction								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	2	470	8 as required	2/26/25	5/15/2026 *	45	Wed 2/26/25	Fri 10/14/26
	Link Belt Conventional Lattice Crawler Crane / Diesel (Office buildings)	3	282	8	5/20/25	5/20/2026 *	198	Wed 2/26/25	Fri 10/14/26
	Link Belt Conventional Lattice Crawler Crane / Diesel (Garages)	1	282	8	5/20/25	9/1/2026 *	216	Wed 2/26/25	Fri 10/14/26

PROJECTED CONSTRUCTION EQUIPMENT NEEDS BY PHASE AND ACTIVITY

					Actual Start and Finish Dates for Equipment		Work Days		
PARCEL / PHASE	**Equipment Type/Fuel**	**Number**	**Horsepower**	**Hours/day**	**Approx. Start**	**Approx. Finish**	**Days**	**Approx. Start**	**Approx. Finish**
PARCEL 2 - PHASE 7 - Import Dirt from Parcel 5									
	Scrapers Cat 657G/Diesel	0	600	8	-	-	0	-	-
PARCEL 2 - PHASE 7 - Import Dirt from Parcel 1									
	Site Prep, Clear and Grub, Rough Grading								
	Scrapers Cat 657G/Diesel	3	600	8	10/15/26	11/13/2026 *	10	Mon 10/5/26	Fri 11/13/26
	Dozer D9T / Diesel	3	436	8	10/15/26	11/13/2026 *	15	Mon 10/5/26	Fri 11/13/26
	Cat 140M3 Grader / Diesel	2	200	4	10/15/26	11/13/2026 *	7	Mon 10/5/26	Fri 11/13/26
	Cat 374 F L / Diesel	1	472	2	10/15/26	11/13/2026 *	5	Mon 10/5/26	Fri 11/13/26
	825 Compactors	3	354	8 as required	10/15/26	11/13/2026 *	10	Mon 10/5/26	Fri 11/13/26
	Off Highway Dump Truck Cat 770 / Diesel	2	476 (Net)	8	10/15/26	11/13/2026 *	5	Mon 10/5/26	Fri 11/13/26
	Wheel Loader 986 H / Diesel	2	409 (Net)	8	10/15/26	11/13/2026 *	5	Mon 10/5/26	Fri 11/13/26
	Auger Cast Caissons & Site Utilities								
	John Deere 410K TC Backhoe Loader / Diesel	5	106	8	11/16/26	2/5/2027 *	55	Mon 11/16/26	Fri 2/5/27
	Auger Cast Caissons Drill Rig / Diesel	3	282	8	11/16/26	2/5/2027 *	55	Mon 11/16/26	Fri 2/5/27
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8 as required	11/16/26	2/5/2027 *	55	Mon 11/16/26	Fri 2/5/27
	Curb, Gutter & Interior Roads								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	6	5/3/27	9/17/2027 *	55	Mon 5/3/27	Fri 9/17/27
	AP 600 D Cat Asphalt Paver / Diesel	2	174	8	5/3/27	9/17/2027 *	42	Mon 5/3/27	Fri 9/17/27
	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	5	49	4 as required	5/3/27	9/17/2027 *	42	Mon 5/3/27	Fri 9/17/27
	Building Construction								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8 as required	2/8/27	9/1/2028 *	35	Mon 2/8/27	Fri 10/13/28
	Link Belt Conventional Lattice Crawler Crane / Diesel (Office buildings)	2	282	8	4/30/27	9/1/2028 *	198	Mon 2/8/27	Fri 10/13/28
	Link Belt Conventional Lattice Crawler Crane / Diesel (Garages)	1	282	8	4/30/27	3/21/2028 *	216	Mon 2/8/27	Fri 10/13/28

PROJECTED CONSTRUCTION EQUIPMENT NEEDS BY PHASE AND ACTIVITY

					Actual Start and Finish Dates for Equipment		Work Days		
PARCEL / PHASE	Equipment Type/Fuel	Number	Horsepower	Hours/day	Approx. Start	Approx. Finish	Days	Approx. Start	Approx. Finish
PARCEL 2 - PHASE 8									
	Site Prep, Clear and Grub, Rough Grading								
	Scrapers Cat 657G/Diesel	3	600	8	10/2/28	1/5/2029 *	10	Mon 10/2/28	Fri 1/5/29
	Dozer D9T / Diesel	3	436	8	10/2/28	1/5/2029 *	15	Mon 10/2/28	Fri 1/5/29
	Cat 140M3 Grader / Diesel	2	200	4	10/2/28	1/5/2029 *	7	Mon 10/2/28	Fri 1/5/29
	Cat 374 F L / Diesel	1	472	2	10/2/28	1/5/2029 *	5	Mon 10/2/28	Fri 1/5/29
	825 Compactors	3	354	8 as required	10/2/28	1/5/2029 *	10	Mon 10/2/28	Fri 1/5/29
	Off Highway Dump Truck Cat 770 / Diesel	2	476 (Net)	8	10/2/28	1/5/2029 *	5	Mon 10/2/28	Fri 1/5/29
	Wheel Loader 986 H / Diesel	2	409 (Net)	8	10/2/28	1/5/2029 *	5	Mon 10/2/28	Fri 1/5/29
	Auger Cast Caissons & Site Utilities								
	John Deere 410K TC Backhoe Loader / Diesel	5	106	8	11/27/28	2/16/2029 *	57	Mon 11/27/28	Fri 2/16/29
	Auger Cast Caissons Drill Rig / Diesel	3	282	8	11/27/28	2/16/2029 *	57	Mon 11/27/28	Fri 2/16/29
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8 as required	11/27/28	2/16/2029 *	57	Mon 11/27/28	Fri 2/16/29
	Curb, Gutter & Interior Roads								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	6	10/30/28	3/16/2029 *	55	Mon 10/30/28	Fri 3/16/29
	AP 600 D Cat Asphalt Paver / Diesel	2	174	8	10/30/28	3/16/2029 *	38	Mon 10/30/28	Fri 3/16/29
	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	5	49	4 as required	10/30/28	3/16/2029 *	38	Mon 10/30/28	Fri 3/16/29
	Building Construction								
	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1	470	8 as required	2/19/29	8/1/2030 *	40	Mon 2/19/29	Fri 9/12/2030
	Link Belt Conventional Lattice Crawler Crane / Diesel (Office buildings)	2	282	8	5/11/29	8/1/2030 *	170	Mon 2/19/29	Fri 9/12/2030
	Link Belt Conventional Lattice Crawler Crane / Diesel (Garages)	1	282	8	5/11/29	4/1/2030 *	216	Mon 2/19/29	Fri 9/12/2030

City Place Construction Traffic

Number of trucks entering and exiting the site a day during the peak and on an average day
Number of workers entering and exiting the site a day during the peak and on an average day
Total using subphase wkdays * avg — Total using 04/28 and 05/07 data, dump, Asph, conc, aerob calcs used work days

Construction Activity	Revised to sub-Phase Start Date	End Date	No. of Trucks Peak	Average	No. of Workers Peak	Average			Total2		Landfill	Delivery	Dump	Asphalt	Concrete	Freightline	Total2
								Trip Lengths (one way)			3.6	7.3	3.6	5.0	2.0		
PARCEL 5 Phase 1								Work days	**12,956**		360	8,735	426	140	3,295	0	***12,956***
Clearing, Grubbing, and Grading	06/17/17	11/21/17	5	3	30	15		112	336				336				***336***
Demolition	06/17/17	07/30/17	16	12			6 wks	30	360		360						***360***
Auger Cast Caissons and Site Utilities	11/22/17	01/02/18	28	22	120	80		30	660			210	90		360		***660***
Curb, Gutter, Interiors Roads	06/13/18	09/18/18	20	6	150	100		70	420			140		140	140		***420***
Building Construction	02/05/17	03/28/19	30	20	1000	500		559	11,180			8,385			2,795		***11,180***
PARCEL 4 Phase 1								Work days	**0**		**0**	**0**	**0**	**0**	**0**	**0**	***0***
Clearing and Grubbing								0	0								***0***
Demolition								0	0								***0***
PARCEL 4 Phase 2								Work days	**36,379**		**1,372**	**14,885**	**2,240**	**1,280**	**16,602**	**0**	**36,379**
Clearing, Grubbing, and Grading	01/02/17	08/11/17	7	5	60	30		160	800				800				***800***
Demolition	01/02/17	02/24/17	34	34	30	30		40	1,372		1,372						***1,372***
Auger Cast Caissons and Site Utilities	07/26/17	03/06/18	84	66	300	150		160	10,560			3,360	1,440		5,760		***10,560***
Curb, Gutter, Interiors Roads	12/13/18	07/24/19	32	24	360	200		160	3,840			1,280		1,280	1,280		***3,840***
Building Construction	03/07/18	10/16/20	45	29	2700	1200		683	19,807			10,245			9,562		***19,807***
PARCEL 4 Phase 3								Work days	**8,240**		**0**	**4,510**	**360**	**200**	**3,170**	**0**	***8,240***
Clearing, Grubbing, and Grading					50	30		0	0								***0***
Demolition			0	0				0	0								***0***
Auger Cast Caissons and Site Utilities	07/15/19	10/04/19	56	44	250	150		60	2,640			840	360		1,440		***2,640***
Curb, Gutter, Interiors Roads	12/03/18	04/19/19	17	5	300	200		100	500			100		200	200		***500***
Building Construction	02/18/19	01/29/21	27	10	900	550		510	5,100			3,570			1,530		***5,100***
PARCEL 4 Phase 4								Work days	**12,182**		**372**	**6,230**	**2,480**	**200**	**2,900**	**0**	***12,182***
Clearing, Grubbing, and Grading	10/05/20	03/12/21	32	23	50	30		115	2,672		372		2,300				***2,672***
Demolition	10/05/20	03/12/21						115	0								***0***
Auger Cast Caissons and Site Utilities	03/15/21	06/04/21	28	22	250	150		60	1,320			420	180		720		***1,320***
Curb, Gutter, Interiors Roads	11/15/21	04/01/22	20	6	300	200		100	600			200		200	200		***600***
Building Construction	07/12/21	10/14/22	35	23	1100	550		330	7,590			5,610			1,980		***7,590***
PARCEL 3 Phase 5								Work days	**7,672**		**81**	**4,857**	**514**	**100**	**2,120**	**0**	***7,672***
Export to Parcel 4	05/01/17	07/05/17						48	0								***0***
Clearing, Grubbing, and Grading	10/03/22	03/10/23	5	3	60	30		115	311		81		230				***311***
Demolition								0	0								***0***
Auger Cast Caissons and Site Utilities	01/23/23	04/14/23	19	15	250	150		60	884			300	284		300		***884***
Curb, Gutter, Interiors Roads	07/17/23	12/01/23	13	4	300	200		100	402			102		100	200		***402***
Building Construction	07/17/23	01/31/25	23	15	900	550		405	6,075			4,455			1,620		***6,075***
PARCEL 1 Phase 6								Work days	**10,913**		**0**	**7,436**	**227**	**200**	**3,050**	**0**	***10,913***
Clearing, Grubbing, and Grading	10/07/24	12/10/24	2	1	60	30		47	47				47				***47***
Demolition	10/07/24	12/10/24						47	0								***0***
Auger Cast Caissons and Site Utilities	11/27/24	02/18/25	28	22	250	150		60	1,320			420	180		720		***1,320***
Curb, Gutter, Interiors Roads	11/04/24	03/21/25	20	6	320	200		100	600			200		200	200		***600***
Building Construction	02/26/25	10/14/26	32	21	1200	700		426	8,946			6,816			2,130		***8,946***
PARCEL 2 Phase 7								Work days	**10,310**		**0**	**6,780**	**210**	**200**	**3,120**	**0**	***10,310***
Clearing, Grubbing, and Grading	10/05/26	11/13/26	2	1	60	30		30	30				30				***30***
Demolition								0	0								***0***
Auger Cast Caissons and Site Utilities	11/16/26	02/05/27	28	22	120	60		60	1,320			420	180		720		***1,320***
Curb, Gutter, Interiors Roads	05/03/27	09/17/27	20	6	200	80		100	600			200		200	200		***600***
Building Construction	02/08/27	10/13/28	29	19	1100	500		440	8,360			6,160			2,200		***8,360***
PARCEL 2 Phase 8								Work days	**9,761**		**0**	**6,346**	**250**	**200**	**2,965**	**0**	***9,761***
Clearing, Grubbing, and Grading	10/02/28	01/05/29	2	1	60	30		70	70				70				***70***
Demolition								0	0								***0***
Auger Cast Caissons and Site Utilities	11/27/28	02/16/29	28	22	120	60		60	1,320			420	180		720		***1,320***
Curb, Gutter, Interiors Roads	10/30/28	03/16/29	20	6	200	80		100	600			200		200	200		***600***
Building Construction	02/19/29	09/12/30	29	19	1100	500		409	7,771			5,726			2,045		***7,771***
									108,413								**108,413**

Construction Mass Emission Sheets

Construction - Unmitigated

Schedule

Parcel	Phase	Activity	Sch Code	Description	Equipment	Start	End	Days		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5	1	a	5-1-a	Site Prep, Clear and Grub and Rough Grading	Scrapers Cat 657G/Diesel	6/17/2017	7/20/2017	56	0	56													
5	1	a	5-1-a	Site Prep, Clear and Grub and Rough Grading	Dozer D9T / Diesel	6/17/2017	11/21/2017	62	0	62													
5	1	a	5-1-a	Site Prep, Clear and Grub and Rough Grading	Excavator 374 FL / Diesel	6/17/2017	11/21/2017	20	0	20													
5	1	a	5-1-a	Site Prep, Clear and Grub and Rough Grading	825 Compactors	6/17/2017	11/21/2017	25	0	25													
5	1	c	5-1-c	Auger Cast Caissons & Site Utilities	John Deere 410K TC Backhoe Loader / Diesel	11/22/2017	1/2/2018	26	0	26													
5	1	c	5-1-c	Auger Cast Caissons & Site Utilities	Auger Cast Caissons Drill Rig / Diesel	11/22/2017	1/2/2018	26	0	26													
5	1	d	5-1-d	Curb, Gutter & Interior Roads	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	6/13/2018	9/18/2018	20	0		20												
5	1	d	5-1-d	Curb, Gutter & Interior Roads	AP 600 D Cat Asphalt Paver / Diesel	6/13/2018	9/18/2018	49	0		49												
5	1	d	5-1-d	Curb, Gutter & Interior Roads	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	6/13/2018	9/18/2018	10	0		10												
5	1	e	5-1-e	Building Construction	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	2/21/2017	12/3/2018	30	0	30													
5	1	e	5-1-e	Building Construction	Link Belt Conventional Lattice Crawler Crane/Diesel	5/6/2018	12/3/2018	159	0		159												
4	2	a	4-2-a	Site Prep, Clear and Grub, Rough Grading, Inc	Scrapers Cat 657G/Diesel	1/2/2017	8/11/2017	74	0	74													
4	2	a	4-2-a	Site Prep, Clear and Grub, Rough Grading, Inc	Dozer D9T / Diesel	1/2/2017	8/11/2017	80	0	80													
4	2	a	4-2-a	Site Prep, Clear and Grub, Rough Grading, Inc	Cat 140M3 Grader / Diesel	1/2/2017	8/11/2017	30	0	30													
4	2	a	4-2-a	Site Prep, Clear and Grub, Rough Grading, Inc	Cat 374 F L / Diesel	1/2/2017	8/11/2017	74	0	74													
4	2	a	4-2-a	Site Prep, Clear and Grub, Rough Grading, Inc	825 Compactors	1/2/2017	8/11/2017	74	0	74													
4	2	a	4-2-a	Site Prep, Clear and Grub, Rough Grading, Inc	Off Highway Dump Truck Cat 770 / Diesel	1/2/2017	8/11/2017	30	0	30													
4	2	a	4-2-a	Site Prep, Clear and Grub, Rough Grading, Inc	Wheel Loader 986 H / Diesel	1/2/2017	8/11/2017	30	0	30													
4	2	b	4-2-b	Demolition	Komatsu PC360LC/NLC-10	1/2/2017	2/24/2017	37	0	37													
4	2	c	4-2-c	Auger Cast Caissons & Site Utilities	Auger Cast Caissons Drill Rig / Diesel	7/26/2017	3/6/2018	101	0	101													
4	2	c	4-2-c	Auger Cast Caissons & Site Utilities	John Deere 410K TC Backhoe Loader / Diesel	7/26/2017	3/6/2018	101	0	101													
4	2	d	4-2-d	Curb, Gutter & Interior Roads	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	12/13/2018	7/24/2019	98	0		13	85											
4	2	d	4-2-d	Curb, Gutter & Interior Roads	AP 600 D Cat Asphalt Paver / Diesel	12/13/2018	7/24/2019	60	0		13	47											
4	2	d	4-2-d	Curb, Gutter & Interior Roads	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	12/13/2018	7/24/2019	10	0		10												
4	2	e	4-2-e	Building Construction	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	3/7/2018	6/1/2020	20	0		20												
4	2	e	4-2-e	Building Construction	Link Belt Conventional Lattice Crawler Crane / Diesel (Garages)	7/25/2018	6/1/2020	190	0		114	76											
4	2	e	4-2-e	Building Construction	Link Belt Conventional Lattice Crawler Crane / Diesel (Entertainment + Retai	3/7/2018	6/1/2020	120	0		120												
4	2	e	4-2-e	Building Construction	Material and Personnel Hoist / Electric	NA	NA	0															
4	3	c	4-3-c	Auger Cast Caissons & Site Utilities	John Deere 410K TC Backhoe Loader / Diesel	7/15/2019	10/4/2019	59	0			59											
4	3	c	4-3-c	Auger Cast Caissons & Site Utilities	Auger Cast Caissons Drill Rig / Diesel	7/15/2019	10/4/2019	59	0			59											
4	3	c	4-3-c	Auger Cast Caissons & Site Utilities	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	7/15/2019	10/4/2019	59	0			59											
4	3	d	4-3-d	Curb, Gutter & Interior Roads	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	12/3/2018	4/19/2019	51	0		21	30											
4	3	d	4-3-d	Curb, Gutter & Interior Roads	AP 600 D Cat Asphalt Paver / Diesel	2/16/2019	4/19/2019	44	0			44											
4	3	d	4-3-d	Curb, Gutter & Interior Roads	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	2/16/2019	4/19/2019	11	0			11											
4	3	e	4-3-e	Building Construction	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1/27/2020	12/31/2020	25	0				25										
4	3	e	4-3-e	Building Construction	Link Belt Conventional Lattice Crawler Crane / Diesel (Retail + garage buildin	1/27/2020	12/31/2020	200	0				200										
4	3	e	4-3-e	Building Construction	Material and Personnel Hoist / Electric	NA	NA	0															
4	4	a	4-4-a	Site Prep, Clear and Grub, Fine Grading –	Scrapers Cat 657G/Diesel	10/5/2020	3/12/2021	25	0				25										
4	4	a	4-4-a	Site Prep, Clear and Grub, Fine Grading –	Dozer D9T / Diesel	10/5/2020	3/12/2021	30	0				30										
4	4	a	4-4-a	Site Prep, Clear and Grub, Fine Grading –	Cat 140M3 Grader / Diesel	10/5/2020	3/12/2021	10	0				10										
4	4	a	4-4-a	Site Prep, Clear and Grub, Fine Grading –	Cat 374 F L / Diesel	10/5/2020	3/12/2021	25	0				25										
4	4	a	4-4-a	Site Prep, Clear and Grub, Fine Grading –	825 Compactors	10/5/2020	3/12/2021	25	0				25										
4	4	a	4-4-a	Site Prep, Clear and Grub, Fine Grading –	Off Highway Dump Truck Cat 770 / Diesel	10/5/2020	3/12/2021	10	0				10										
4	4	a	4-4-a	Site Prep, Clear and Grub, Fine Grading –	Wheel Loader 986 H / Diesel	10/5/2020	3/12/2021	10	0				10										
4	4	c	4-4-c	Auger Cast Caissons & Site Utilities	John Deere 410K TC Backhoe Loader / Diesel	3/15/2021	6/4/2021	58	0					58									
4	4	c	4-4-c	Auger Cast Caissons & Site Utilities	Auger Cast Caissons Drill Rig / Diesel	3/15/2021	6/4/2021	58	0					58									
4	4	c	4-4-c	Auger Cast Caissons & Site Utilities	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	3/15/2021	6/4/2021	58	0					58									
4	4	d	4-4-d	Curb, Gutter & Interior Roads	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	11/15/2021	4/1/2022	65	0					35	30								
4	4	d	4-4-d	Curb, Gutter & Interior Roads	AP 600 D Cat Asphalt Paver / Diesel	2/16/2022	4/1/2022	33	0						33								
4	4	d	4-4-d	Curb, Gutter & Interior Roads	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	2/16/2022	4/1/2022	33	0						33								
4	4	e	4-4-e	Building Construction	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	7/12/2021	9/15/2022	20	0					20									
4	4	e	4-4-e	Building Construction	Link Belt Conventional Lattice Crawler Crane / Diesel (Office buildng + garag	7/12/2021	9/1/2022	208	0					125	83								
4	4	e	4-4-e	Building Construction	Material and Personnel Hoist / Electric	NA	NA	0															
3	2	dirt	3-2-dirt	Export to Parcel 4	Scrapers Cat 657G/Diesel	5/1/2017	7/5/2017	50	0	50													
3	2	dirt	3-2-dirt	Export to Parcel 4	Dozer D9T / Diesel	5/1/2017	7/5/2017	55	0	55													
3	2	a	3-2-a	Site Prep, Clear and Grub, Rough Grading	Scrapers Cat 657G/Diesel	10/3/2022	3/10/2023	10	0						10								
3	2	a	3-2-a	Site Prep, Clear and Grub, Rough Grading	Dozer D9T / Diesel	10/3/2022	3/10/2023	15	0						15								
3	2	a	3-2-a	Site Prep, Clear and Grub, Rough Grading	Cat 140M3 Grader / Diesel	10/3/2022	3/10/2023	10	0						10								
3	2	a	3-2-a	Site Prep, Clear and Grub, Rough Grading	Cat 374 F L / Diesel	10/3/2022	3/10/2023	10	0						10								
3	2	a	3-2-a	Site Prep, Clear and Grub, Rough Grading	825 Compactors	10/3/2022	3/10/2023	10	0						10								
3	2	a	3-2-a	Site Prep, Clear and Grub, Rough Grading	Off Highway Dump Truck Cat 770 / Diesel	10/3/2022	3/10/2023	5	0						5								
3	2	a	3-2-a	Site Prep, Clear and Grub, Rough Grading	Wheel Loader 986 H / Diesel	10/3/2022	3/10/2023	5	0						5								
3	5	c	3-5-c	Auger Cast Caissons & Site Utilities	John Deere 410K TC Backhoe Loader / Diesel	1/23/2023	4/14/2023	58	0							58							
3	5	c	3-5-c	Auger Cast Caissons & Site Utilities	Auger Cast Caissons Drill Rig / Diesel	1/23/2023	4/14/2023	58	0							58							
3	5	c	3-5-c	Auger Cast Caissons & Site Utilities	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	1/23/2023	4/14/2023	58	0							58							
3	5	d	3-5-d	Curb, Gutter & Interior Roads	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	7/17/2023	12/1/2023	64	0							64							
3	5	d	3-5-d	Curb, Gutter & Interior Roads	AP 600 D Cat Asphalt Paver / Diesel	7/17/2023	12/1/2023	34	0							34							
3	5	d	3-5-d	Curb, Gutter & Interior Roads	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	7/17/2023	12/1/2023	34	0							34							
3	5	e	3-5-e	Building Construction	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	4/24/2023	1/15/2024	45	0							45							
3	5	e	3-5-e	Building Construction	Link Belt Conventional Lattice Crawler Crane / Diesel (Office buildng + garag	4/24/2023	6/1/2024	208	0							180	28						
3	5	e	3-5-e	Building Construction	Material and Personnel Hoist / Electric	NA	NA	0	0														
1	6	a	1-6-a	Site Prep, Clear and Grub, Rough Grading	Scrapers Cat 657G/Diesel	10/7/2024	12/10/2024	20	0								20						
1	6	a	1-6-a	Site Prep, Clear and Grub, Rough Grading	Dozer D9T / Diesel	10/7/2024	12/10/2024	25	0								25						
1	6	a	1-6-a	Site Prep, Clear and Grub, Rough Grading	Cat 140M3 Grader / Diesel	10/7/2024	12/10/2024	10	0								10						
1	6	a	1-6-a	Site Prep, Clear and Grub, Rough Grading	Cat 374 F L / Diesel	10/7/2024	12/10/2024	10	0								10						
1	6	a	1-6-a	Site Prep, Clear and Grub, Rough Grading	825 Compactors	10/7/2024	12/10/2024	20	0								20						
1	6	a	1-6-a	Site Prep, Clear and Grub, Rough Grading	Off Highway Dump Truck Cat 770 / Diesel	10/7/2024	12/10/2024	10	0								10						
1	6	a	1-6-a	Site Prep, Clear and Grub, Rough Grading	Wheel Loader 986 H / Diesel	10/7/2024	12/10/2024	10	0								10						
1	6	c	1-6-c	Auger Cast Caissons & Site Utilities	John Deere 410K TC Backhoe Loader / Diesel	11/27/2024	2/18/2025	55	0								25	30					
1	6	c	1-6-c	Auger Cast Caissons & Site Utilities	Auger Cast Caissons Drill Rig / Diesel	11/27/2024	2/18/2025	55	0								25	30					
1	6	c	1-6-c	Auger Cast Caissons & Site Utilities	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	11/27/2024	2/18/2025	55	0								25	30					
1	6	d	1-6-d	Curb, Gutter & Interior Roads	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	11/4/2024	3/21/2025	70	0								42	28					
1	6	d	1-6-d	Curb, Gutter & Interior Roads	AP 600 D Cat Asphalt Paver / Diesel	11/4/2024	3/21/2025	23	0								23						
1	6	d	1-6-d	Curb, Gutter & Interior Roads	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	11/4/2024	3/21/2025	23	0								23						
1	6	e	1-6-e	Building Construction	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	2/26/2025	5/15/2026	45	0									45					
1	6	e	1-6-e	Building Construction	Link Belt Conventional Lattice Crawler Crane / Diesel (Office buildings)	5/20/2025	5/20/2026	198	0									162	36				
1	6	e	1-6-e	Building Construction	Link Belt Conventional Lattice Crawler Crane / Diesel (Garages)	5/20/2025	9/1/2026	216	0									162	54				
1	6	e	1-6-e	Building Construction	Material and Personnel Hoist / Electric	NA	NA	0	0														
2	7	a	2-7-a	Site Prep, Clear and Grub, Rough Grading	Scrapers Cat 657G/Diesel	10/15/2026	11/13/2026	10	0										10				
2	7	a	2-7-a	Site Prep, Clear and Grub, Rough Grading	Dozer D9T / Diesel	10/15/2026	11/13/2026	15	0										15				
2	7	a	2-7-a	Site Prep, Clear and Grub, Rough Grading	Cat 140M3 Grader / Diesel	10/15/2026	11/13/2026	7	0										7				
2	7	a	2-7-a	Site Prep, Clear and Grub, Rough Grading	Cat 374 F L / Diesel	10/15/2026	11/13/2026	5	0										5				
2	7	a	2-7-a	Site Prep, Clear and Grub, Rough Grading	825 Compactors	10/15/2026	11/13/2026	10	0										10				
2	7	a	2-7-a	Site Prep, Clear and Grub, Rough Grading	Off Highway Dump Truck Cat 770 / Diesel	10/15/2026	11/13/2026	5	0										5				
2	7	a	2-7-a	Site Prep, Clear and Grub, Rough Grading	Wheel Loader 986 H / Diesel	10/15/2026	11/13/2026	5	0										5				
2	7	c	2-7-c	Auger Cast Caissons & Site Utilities	John Deere 410K TC Backhoe Loader / Diesel	11/16/2026	2/5/2027	55	0										34	21			
2	7	c	2-7-c	Auger Cast Caissons & Site Utilities	Auger Cast Caissons Drill Rig / Diesel	11/16/2026	2/5/2027	55	0										34	21			
2	7	c	2-7-c	Auger Cast Caissons & Site Utilities	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	11/16/2026	2/5/2027	55	0										34	21			
2	7	d	2-7-d	Curb, Gutter & Interior Roads	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	5/3/2027	9/17/2027	55	0											55			
2	7	d	2-7-d	Curb, Gutter & Interior Roads	AP 600 D Cat Asphalt Paver / Diesel	5/3/2027	9/17/2027	42	0											42			
2	7	d	2-7-d	Curb, Gutter & Interior Roads	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	5/3/2027	9/17/2027	42	0											42			
2	7	e	2-7-e	Building Construction	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	2/8/2027	9/1/2028	35	0											35			
2	7	e	2-7-e	Building Construction	Link Belt Conventional Lattice Crawler Crane / Diesel (Office buildings)	4/30/2027	9/1/2028	198	0											176	22		

Construction - Unmitigated

Parcel	Phase	Activity	Sch Code	Description	Equipment	Start	End	Days		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2	7	e	2-7-e	Building Construction	Link Belt Conventional Lattice Crawler Crane / Diesel (Garages)	4/30/2027	3/21/2028	216	0											176	40		
2	7	e	2-7-e	Building Construction	Material and Personnel Hoist / Electric	NA	NA	0	0														
2	8	a	2-8-a	Site Prep, Clear and Grub, Rough Grading	Scrapers Cat 657G/Diesel	10/2/2028	1/5/2029	10	0												10		
2	8	a	2-8-a	Site Prep, Clear and Grub, Rough Grading	Dozer D9T / Diesel	10/2/2028	1/5/2029	15	0												15		
2	8	a	2-8-a	Site Prep, Clear and Grub, Rough Grading	Cat 140M3 Grader / Diesel	10/2/2028	1/5/2029	7	0												7		
2	8	a	2-8-a	Site Prep, Clear and Grub, Rough Grading	Cat 374 F L / Diesel	10/2/2028	1/5/2029	5	0												5		
2	8	a	2-8-a	Site Prep, Clear and Grub, Rough Grading	825 Compactors	10/2/2028	1/5/2029	10	0												10		
2	8	a	2-8-a	Site Prep, Clear and Grub, Rough Grading	Off Highway Dump Truck Cat 770 / Diesel	10/2/2028	1/5/2029	5	0												5		
2	8	a	2-8-a	Site Prep, Clear and Grub, Rough Grading	Wheel Loader 986 H / Diesel	10/2/2028	1/5/2029	5	0												5		
2	8	c	2-8-c	Auger Cast Caissons & Site Utilities	John Deere 410KTC Backhoe Loader / Diesel	11/27/2028	2/16/2029	57	0												25	32	
2	8	c	2-8-c	Auger Cast Caissons & Site Utilities	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	11/27/2028	2/16/2029	57	0												25	32	
2	8	c	2-8-c	Auger Cast Caissons & Site Utilities	Auger Cast Caissons Drill Rig / Diesel	11/27/2028	2/16/2029	57	0												25	32	
2	8	d	2-8-d	Curb, Gutter & Interior Roads	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	11/27/2028	2/16/2029	55	0												25	30	
2	8	d	2-8-d	Curb, Gutter & Interior Roads	AP 600 D Cat Asphalt Paver / Diesel	10/30/2028	3/16/2029	38	0												38		
2	8	d	2-8-d	Curb, Gutter & Interior Roads	Ingersoll Rand P185WJD 185 CFM Towable Air Compressor / Diesel	10/30/2028	3/16/2029 *	38	0												38		
2	8	e	2-8-e	Building Construction	Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump / Diesel	2/19/2029	8/1/2030 *	40	0													40	
2	8	e	2-8-e	Building Construction	Link Belt Conventional Lattice Crawler Crane / Diesel (Office buildings)	5/11/2029	8/1/2030 *	170	0													167	3
2	8	e	2-8-e	Building Construction	Link Belt Conventional Lattice Crawler Crane / Diesel (Garages)	5/11/2029	4/1/2030 *	216	0													167	49
2	8	e	2-8-e	Building Construction	Material and Personnel Hoist / Electric	NA	NA	0	0														
5	1	Pave	5-1-Pave			6/13/2018	9/18/2018	49	0		49												
4	2	Pave	4-2-Pave			12/13/2018	7/24/2019	98	0		13	85											
4	3	Pave	4-3-Pave			2/16/2019	12/31/2020	44	0			44											
4	4	Pave	4-4-Pave			11/15/2021	4/1/2022	65	0					35	30								
3	5	Pave	3-5-Pave			7/17/2023	12/1/2023	64	0							64							
1	6	Pave	1-6-Pave			11/4/2024	3/21/2025	70	0								42	28					
2	7	Pave	2-7-Pave			5/3/2027	9/17/2027	55	0											55			
2	8	Pave	2-8-Pave			10/30/2028	3/16/2029	55	2												45	12	
			5-1-a			6/17/2017	11/21/2017	112	0	112													
			5-1-c			11/22/2017	1/2/2018	30	0	28	2												
			5-1-d			6/13/2018	9/18/2018	70	0		70												
			5-1-e			2/21/2017	12/3/2018	465	0	224	241												
			4-2-a			1/2/2017	8/1/2017	160	0	160													
			4-2-b			1/2/2017	2/24/2017	40	0	40													
			4-2-c			7/26/2017	3/6/2018	160	0	113	47												
			4-2-d			12/13/2018	7/24/2019	160	0		13	147											
			4-2-e			3/7/2018	6/1/2020	584	0		214	261	109										
			4-3-c			7/15/2019	10/4/2019	60	0			60											
			4-3-d			12/3/2018	4/19/2019	100	0		21	79											
			4-3-e			1/27/2020	12/31/2020	244	0				244										
			4-4-a			10/5/2020	3/12/2021	115	0				64	51									
			4-4-c			3/15/2021	6/4/2021	60	0					60									
			4-4-d			2/16/2022	4/1/2022	33	0						33								
			4-4-e			7/12/2021	9/15/2022	309	0					125	184								
			3-2-dirt			5/1/2017	7/5/2017	48	0	48													
			3-2-a			10/3/2022	3/10/2023	115	0						65	50							
			3-5-c			1/23/2023	4/14/2023	60	0							60							
			3-5-d			7/17/2023	12/1/2023	100	0							100							
			3-5-e			4/24/2023	6/1/2024	290	0							180	110						
			1-6-a			10/7/2024	12/10/2024	47	0								47						
			1-6-c			11/27/2024	2/18/2025	60	0								25	35					
			1-6-d			11/4/2024	3/21/2025	100	0								42	58					
			1-6-e			2/26/2025	5/20/2026	321	0									221	100				
			2-7-a			10/15/2026	11/13/2026	22	0										22				
			2-7-c			10/15/2026	2/5/2027	82	0										56	26			
			2-7-d			5/3/2027	9/17/2027	100	0											100			
			2-7-e			2/8/2027	9/1/2028	410	0											235	175		
			2-8-a			10/2/2028	1/5/2029	70	0												65	5	
			2-8-c			11/27/2028	2/16/2029	60	0												25	35	
			2-8-d			10/30/2028	3/16/2029	100	0												45	55	
			2-8-e			2/19/2029	8/1/2030	379	0													226	153

Construction - Unmitigated

Daily Construction from all but Equipment

		Pounds per day 2017															Gal/Day	Pounds per da 20							
Sched Code	Description	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D
5-1-a	Site Prep, Clear and Grub and Rough Grading	0	2	2	0	1	1	0	0	0	0.0	715	0	0	16	735	34	0	2	1	0	1	1	0	0
5-1-c	Auger Cast Caissons & Site Utilities	1	3	7	0	4	4	0	1	1	0.0	2,113	0	0	83	2,200	108	1	2	6	0	4	4	0	1
5-1-d	Curb, Gutter & Interior Roads	1	2	9	0	5	5	0	1	1	0.0	2,153	0	0	104	2,259	114	1	1	8	0	5	5	0	1
5-1-e	Building Construction	15	6	43	1	23	25	1	6	6	0.1	10,503	0	0	518	11,026	557	14	6	38	1	23	25	1	6
4-2-a	Site Prep, Clear and Grub, Rough Grading	0	1	3	0	2	2	0	0	0	0.0	778	0	0	31	811	38	0	1	2	0	2	2	0	0
4-2-b	Demolition	0	5	3	0	2	3	0	1	1	0.0	1,534	0	0	31	1,573	74	0	4	3	0	2	3	0	1
4-2-c	Auger Cast Caissons & Site Utilities	2	7	14	0	8	8	0	2	2	0.0	4,567	0	0	155	4,736	230	2	6	12	0	8	8	0	2
4-2-d	Curb, Gutter & Interior Roads	2	5	18	1	10	10	0	2	3	0.0	4,676	0	0	207	4,890	244	2	4	16	1	10	10	0	2
4-2-e	Building Construction	35	13	103	3	55	58	1	14	15	0.2	24,420	0	0	1,243	25,670	1,301	34	11	92	3	55	58	1	14
4-3-c	Auger Cast Caissons & Site Utilities	2	5	13	0	8	8	0	2	2	0.0	4,029	0	0	155	4,194	206	1	5	12	0	8	8	0	2
4-3-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,083	0	0	207	4,291	217	2	2	15	1	9	10	0	2
4-3-e	Building Construction	23	6	47	1	25	27	1	6	7	0.1	11,145	0	0	570	11,718	594	22	5	42	1	25	27	1	6
4-4-a	Auger Cast Caissons & Site Utilities	0	3	3	0	2	2	0	0	1	0.0	1,245	0	0	31	1,282	60	0	3	3	0	2	2	0	0
4-4-c	Auger Cast Caissons & Site Utilities	2	3	13	0	7	8	0	2	2	0.0	3,491	0	0	155	3,651	182	1	3	12	0	7	8	0	2
4-4-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,122	0	0	207	4,331	219	2	2	15	1	9	10	0	2
4-4-e	Building Construction	25	7	48	1	26	27	1	6	7	0.1	11,580	0	0	570	12,156	613	25	6	42	1	26	27	1	6
3-2-a	Export to Parcel 4	0	1	3	0	1	1	0	0	0	0.0	665	0	0	31	697	35	0	1	2	0	1	1	0	0
3-5-c	Auger Cast Caissons & Site Utilities	2	3	13	0	7	8	0	2	2	0.0	3,354	0	0	155	3,513	176	1	2	12	0	7	7	0	2
3-5-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,046	0	0	207	4,254	216	2	2	15	1	9	10	0	2
3-5-e	Building Construction	19	6	47	1	25	27	1	6	7	0.1	11,316	0	0	570	11,890	602	19	5	42	1	25	27	1	6
1-6-a	Site Prep, Clear and Grub and Rough Grading	0	0	3	0	2	2	0	0	0	0.0	667	0	0	31	699	33	0	0	2	0	2	2	0	0
1-6-c	Auger Cast Caissons & Site Utilities	2	3	13	0	7	8	0	2	2	0.0	3,491	0	0	155	3,651	182	1	3	12	0	7	8	0	2
1-6-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,122	0	0	207	4,331	219	2	2	15	1	9	10	0	2
1-6-e	Building Construction	28	8	60	2	32	34	1	8	9	0.1	14,479	0	0	725	15,210	769	27	7	54	2	32	34	1	8
2-7-a	Site Prep, Clear and Grub and Rough Grading	0	0	3	0	2	2	0	0	0	0.0	676	0	0	31	708	33	0	0	2	0	2	2	0	0
2-7-c	Auger Cast Caissons & Site Utilities	1	2	5	0	3	3	0	1	1	0.0	1,719	0	0	62	1,786	87	1	2	5	0	3	3	0	1
2-7-d	Curb, Gutter & Interior Roads	1	1	7	0	4	4	0	1	1	0.0	1,760	0	0	83	1,844	93	1	1	6	0	4	4	0	1
2-7-e	Building Construction	20	6	43	1	23	25	1	6	6	0.1	10,464	0	0	518	10,987	555	19	5	38	1	23	25	1	6
2-8-a	Site Prep, Clear and Grub and Rough Grading	0	0	3	0	2	2	0	0	0	0.0	649	0	0	31	681	33	0	0	2	0	2	2	0	0
2-8-c	Auger Cast Caissons & Site Utilities	1	2	5	0	3	3	0	1	1	0.0	1,719	0	0	62	1,786	87	1	2	5	0	3	3	0	1
2-8-d	Curb, Gutter & Interior Roads	1	1	7	0	4	4	0	1	1	0.0	1,760	0	0	83	1,844	93	1	1	6	0	4	4	0	1
2-8-e	Building Construction	21	6	43	1	23	25	1	6	6	0.1	10,464	0	0	518	10,987	555	20	5	38	1	23	25	1	6
5-1-Pave	Paving	0.1																0.1							
4-2-Pave	Paving	0.2																0.2							
4-3-Pave	Paving	0.2																0.2							
4-4-Pave	Paving	0.1																0.1							
3-5-Pave	Paving	0.3																0.3							
1-6-Pave	Paving	0.3																0.3							
2-7-Pave	Paving	0.2																0.2							
2-8-Pave	Paving	0.2																0.2							

Construction - Unmitigated

Daily Construction

	y 18							Gal/Day	Pounds per day 2019																	Gal/Day					
Sched Code	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D
5-1-a	0	0	703	0	0	15	722	34	0	2	1	0	1	1	0	0	0	0	691	0	0	15	710	33	0	1	1	0	1
5-1-c	1	0	2,064	0	0	80	2,149	106	1	2	6	0	4	4	0	1	1	0	2,013	0	0	78	2,096	103	1	2	5	0	4
5-1-d	1	0	2,094	0	0	101	2,196	110	1	1	7	0	5	5	0	1	1	0	2,032	0	0	97	2,131	107	1	1	6	0	5
5-1-e	6	0	10,211	0	0	503	10,719	541	14	5	34	1	23	25	1	6	6	0	9,905	0	0	487	10,397	524	14	5	31	1	23
4-2-a	0	0	760	0	0	30	791	37	0	1	2	0	2	2	0	0	0	0	740	0	0	29	771	36	0	1	2	0	2
4-2-b	1	0	1,509	0	0	30	1,547	72	0	4	2	0	2	3	0	1	1	0	1,484	0	0	29	1,521	71	0	3	2	0	2
4-2-c	2	0	4,474	0	0	151	4,638	225	1	6	11	0	8	8	0	2	2	0	4,375	0	0	146	4,535	220	1	5	10	0	8
4-2-d	3	0	4,556	0	0	201	4,764	237	2	4	14	1	10	10	0	2	3	0	4,431	0	0	195	4,632	230	2	3	13	1	10
4-2-e	15	0	23,719	0	0	1,206	24,932	1,263	33	10	82	3	55	58	1	14	15	0	22,985	0	0	1,168	24,160	1,223	32	9	75	3	55
4-3-c	2	0	3,938	0	0	151	4,098	201	1	4	11	0	8	8	0	2	2	0	3,842	0	0	146	3,997	196	1	4	10	0	8
4-3-d	3	0	3,966	0	0	201	4,168	211	2	2	14	1	9	10	0	2	3	0	3,843	0	0	195	4,039	204	2	2	12	1	9
4-3-e	7	0	10,824	0	0	553	11,380	577	21	5	38	1	25	27	1	6	7	0	10,488	0	0	535	11,026	558	21	4	34	1	25
4-4-a	1	0	1,222	0	0	30	1,258	59	0	3	2	0	2	2	0	0	1	0	1,200	0	0	29	1,234	58	0	2	2	0	2
4-4-c	2	0	3,401	0	0	151	3,557	177	1	3	10	0	7	8	0	2	2	0	3,308	0	0	146	3,458	172	1	2	9	0	7
4-4-d	3	0	4,004	0	0	201	4,207	213	2	2	14	1	9	10	0	2	3	0	3,882	0	0	195	4,078	206	2	2	12	1	9
4-4-e	7	0	11,259	0	0	553	11,818	596	24	6	38	1	26	27	1	6	7	0	10,922	0	0	535	11,464	578	24	5	34	1	26
3-2-a	0	0	647	0	0	30	678	34	0	0	2	0	1	1	0	0	0	0	628	0	0	29	658	33	0	0	2	0	1
3-5-c	2	0	3,265	0	0	151	3,419	171	1	2	10	0	7	7	0	2	2	0	3,172	0	0	146	3,321	166	1	2	9	0	7
3-5-d	3	0	3,928	0	0	201	4,130	209	2	2	14	1	9	10	0	2	3	0	3,806	0	0	195	4,002	203	2	1	12	1	9
3-5-e	7	0	10,995	0	0	553	11,552	584	18	5	38	1	25	27	1	6	7	0	10,659	0	0	535	11,198	566	18	4	34	1	25
1-6-a	0	0	649	0	0	30	680	32	0	0	2	0	2	2	0	0	0	0	631	0	0	29	661	31	0	0	2	0	2
1-6-c	2	0	3,401	0	0	151	3,557	177	1	3	10	0	7	8	0	2	2	0	3,308	0	0	146	3,458	172	1	2	9	0	7
1-6-d	3	0	4,004	0	0	201	4,207	213	2	2	14	1	9	10	0	2	3	0	3,882	0	0	195	4,078	206	2	2	12	1	9
1-6-e	9	0	14,070	0	0	704	14,780	747	26	6	48	2	32	34	1	8	9	0	13,642	0	0	681	14,329	724	26	6	44	2	32
2-7-a	0	0	658	0	0	30	689	32	0	0	2	0	2	2	0	0	0	0	640	0	0	29	670	31	0	0	2	0	2
2-7-c	1	0	1,682	0	0	60	1,747	85	1	2	4	0	3	3	0	1	1	0	1,643	0	0	58	1,706	83	1	2	4	0	3
2-7-d	1	0	1,712	0	0	80	1,794	90	1	1	6	0	4	4	0	1	1	0	1,663	0	0	78	1,742	87	1	1	5	0	4
2-7-e	6	0	10,172	0	0	503	10,680	539	19	5	34	1	23	25	1	6	6	0	9,866	0	0	487	10,358	522	18	4	31	1	23
2-8-a	0	0	631	0	0	30	662	32	0	0	2	0	2	2	0	0	0	0	613	0	0	29	643	31	0	0	2	0	2
2-8-c	1	0	1,682	0	0	60	1,747	85	1	2	4	0	3	3	0	1	1	0	1,643	0	0	58	1,706	83	1	2	4	0	3
2-8-d	1	0	1,712	0	0	80	1,794	90	1	1	6	0	4	4	0	1	1	0	1,663	0	0	78	1,742	87	1	1	5	0	4
2-8-e	6	0	10,172	0	0	503	10,680	539	20	5	34	1	23	25	1	6	6	0	9,866	0	0	487	10,358	522	19	4	31	1	23
5-1-Pave									0.1																0.1				
4-2-Pave									0.2																0.2				
4-3-Pave									0.2																0.2				
4-4-Pave									0.1																0.1				
3-5-Pave									0.3																0.3				
1-6-Pave									0.3																0.3				
2-7-Pave									0.2																0.2				
2-8-Pave									0.2																0.2				

Construction - Unmitigated

Daily Construction

	Pounds per day 2020										Gal/Day	Pounds per day 2021																Gal/Day		
Sched Code	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX
5-1-a	1	0	0	0	0	679	0	0	14	697	32	0	1	1	0	1	1	0	0	0	0	665	0	0	14	682	32	0	1
5-1-c	4	0	1	1	0	1,961	0	0	75	2,041	100	1	2	5	0	4	4	0	1	1	0	1,906	0	0	73	1,983	97	1	2
5-1-d	5	0	1	1	0	1,970	0	0	94	2,065	104	1	1	6	0	5	5	0	1	1	0	1,903	0	0	91	1,996	100	1	1
5-1-e	25	1	6	6	0	9,594	0	0	470	10,070	507	13	4	28	1	23	25	1	6	6	0	9,267	0	0	453	9,726	489	13	4
4-2-a	2	0	0	0	0	721	0	0	28	750	35	0	1	2	0	2	2	0	0	0	0	700	0	0	27	729	34	0	0
4-2-b	2	0	1	1	0	1,458	0	0	28	1,494	70	0	3	2	0	2	2	0	1	1	0	1,429	0	0	27	1,465	68	0	2
4-2-c	8	0	2	2	0	4,274	0	0	141	4,429	214	1	5	9	0	8	8	0	2	2	0	4,167	0	0	136	4,317	208	1	4
4-2-d	10	0	2	3	0	4,303	0	0	188	4,498	224	1	3	11	1	10	10	0	2	3	0	4,168	0	0	181	4,356	216	1	3
4-2-e	58	1	14	15	0	22,243	0	0	1,129	23,379	1,182	31	8	68	3	55	58	1	14	15	0	21,460	0	0	1,088	22,555	1,140	31	7
4-3-c	8	0	2	2	0	3,743	0	0	141	3,894	191	1	3	9	0	8	8	0	2	2	0	3,639	0	0	136	3,784	185	1	3
4-3-d	10	0	2	3	0	3,719	0	0	188	3,908	198	1	1	11	1	9	10	0	2	3	0	3,588	0	0	181	3,770	190	1	1
4-3-e	27	1	6	7	0	10,149	0	0	518	10,669	540	21	4	31	1	25	27	1	6	7	0	9,790	0	0	499	10,291	520	21	3
4-4-a	2	0	0	1	0	1,176	0	0	28	1,210	56	0	2	2	0	2	2	0	0	1	0	1,150	0	0	27	1,183	55	0	2
4-4-c	8	0	2	2	0	3,212	0	0	141	3,358	167	1	2	9	0	7	8	0	2	2	0	3,112	0	0	136	3,252	162	1	2
4-4-d	10	0	2	3	0	3,757	0	0	188	3,947	199	1	2	11	1	9	10	0	2	3	0	3,626	0	0	181	3,809	192	1	1
4-4-e	27	1	6	7	0	10,580	0	0	518	11,104	559	23	5	31	1	26	27	1	6	7	0	10,221	0	0	499	10,726	540	23	4
3-2-a	1	0	0	0	0	609	0	0	28	638	32	0	0	2	0	1	1	0	0	0	0	589	0	0	27	617	31	0	0
3-5-c	7	0	2	2	0	3,077	0	0	141	3,222	161	1	2	9	0	7	7	0	2	2	0	2,977	0	0	136	3,117	156	1	2
3-5-d	10	0	2	3	0	3,682	0	0	188	3,871	196	1	1	11	1	9	10	0	2	3	0	3,551	0	0	181	3,734	189	1	1
3-5-e	27	1	6	7	0	10,318	0	0	518	10,840	547	18	4	31	1	25	27	1	6	7	0	9,959	0	0	499	10,462	528	17	4
1-6-a	2	0	0	0	0	612	0	0	28	641	30	0	0	2	0	2	2	0	0	0	0	592	0	0	27	620	29	0	0
1-6-c	8	0	2	2	0	3,212	0	0	141	3,358	167	1	2	9	0	7	8	0	2	2	0	3,112	0	0	136	3,252	162	1	2
1-6-d	10	0	2	3	0	3,757	0	0	188	3,947	199	1	2	11	1	9	10	0	2	3	0	3,626	0	0	181	3,809	192	1	1
1-6-e	34	1	8	9	0	13,208	0	0	659	13,873	700	25	5	40	2	32	34	1	8	9	0	12,751	0	0	635	13,392	675	25	5
2-7-a	2	0	0	0	0	621	0	0	28	650	30	0	0	2	0	2	2	0	0	0	0	602	0	0	27	629	29	0	0
2-7-c	3	0	1	1	0	1,603	0	0	56	1,665	81	0	2	4	0	3	3	0	1	1	0	1,561	0	0	54	1,620	79	0	1
2-7-d	4	0	1	1	0	1,612	0	0	75	1,689	85	1	1	5	0	4	4	0	1	1	0	1,559	0	0	73	1,633	82	1	1
2-7-e	25	1	6	6	0	9,555	0	0	470	10,031	505	18	4	28	1	23	25	1	6	6	0	9,228	0	0	453	9,687	488	18	4
2-8-a	2	0	0	0	0	594	0	0	28	623	30	0	0	2	0	2	2	0	0	0	0	574	0	0	27	602	29	0	0
2-8-c	3	0	1	1	0	1,603	0	0	56	1,665	81	0	2	4	0	3	3	0	1	1	0	1,561	0	0	54	1,620	79	0	1
2-8-d	4	0	1	1	0	1,612	0	0	75	1,689	85	1	1	5	0	4	4	0	1	1	0	1,559	0	0	73	1,633	82	1	1
2-8-e	25	1	6	6	0	9,555	0	0	470	10,031	505	19	4	28	1	23	25	1	6	6	0	9,228	0	0	453	9,687	488	19	4
5-1-Pave												0.1																0.1	
4-2-Pave												0.2																0.2	
4-3-Pave												0.2																0.2	
4-4-Pave												0.1																0.1	
3-5-Pave												0.3																0.3	
1-6-Pave												0.3																0.3	
2-7-Pave												0.2																0.2	
2-8-Pave												0.2																0.2	

Construction - Unmitigated

Daily Construction

	Pounds per day 2022													Gal/Day	Pounds per day 2023															
Sched Code	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e
5-1-a	1	0	1	1	0	0	0	0	651	0	0	13	667	31	0	0	1	0	1	1	0	0	0	0	623	0	0	13	639
5-1-c	4	0	4	4	0	1	1	0	1,850	0	0	70	1,924	94	1	1	4	0	4	4	0	1	1	0	1,780	0	0	67	1,852
5-1-d	5	0	5	5	0	1	1	0	1,837	0	0	87	1,926	97	1	1	5	0	5	5	0	1	1	0	1,764	0	0	84	1,849
5-1-e	26	1	23	25	1	6	6	0	8,940	0	0	436	9,382	472	13	3	24	1	23	25	1	6	6	0	8,590	0	0	419	9,014
4-2-a	2	0	2	2	0	0	0	0	679	0	0	26	706	32	0	0	1	0	2	2	0	0	0	0	653	0	0	25	679
4-2-b	2	0	2	2	0	1	1	0	1,399	0	0	26	1,433	67	0	1	2	0	2	2	0	1	1	0	1,338	0	0	25	1,371
4-2-c	8	0	8	8	0	2	2	0	4,057	0	0	131	4,202	203	1	2	8	0	8	8	0	2	2	0	3,909	0	0	126	4,048
4-2-d	11	1	10	10	0	2	3	0	4,033	0	0	175	4,213	209	1	2	10	1	10	10	0	2	3	0	3,874	0	0	167	4,048
4-2-e	62	3	55	58	1	14	15	0	20,677	0	0	1,047	21,730	1,098	30	6	58	3	55	58	1	14	15	0	19,849	0	0	1,005	20,861
4-3-c	8	0	8	8	0	2	2	0	3,534	0	0	131	3,674	179	1	2	7	0	8	8	0	2	2	0	3,401	0	0	126	3,536
4-3-d	10	1	9	10	0	2	3	0	3,457	0	0	175	3,632	183	1	1	10	1	9	10	0	2	3	0	3,317	0	0	167	3,485
4-3-e	29	1	25	27	1	6	7	0	9,432	0	0	480	9,914	501	20	3	26	1	25	27	1	6	7	0	9,055	0	0	460	9,518
4-4-a	2	0	2	2	0	0	1	0	1,124	0	0	26	1,155	54	0	1	2	0	2	2	0	0	0	0	1,076	0	0	25	1,106
4-4-c	8	0	7	8	0	2	2	0	3,010	0	0	131	3,146	156	1	1	7	0	7	8	0	2	2	0	2,893	0	0	126	3,023
4-4-d	10	1	9	10	0	2	3	0	3,495	0	0	175	3,671	185	1	1	10	1	9	10	0	2	3	0	3,354	0	0	167	3,523
4-4-e	29	1	26	27	1	6	7	0	9,860	0	0	480	10,346	520	23	3	26	1	26	27	1	6	7	0	9,475	0	0	460	9,942
3-2-a	2	0	1	1	0	0	0	0	568	0	0	26	595	30	0	0	1	0	1	1	0	0	0	0	545	0	0	25	571
3-5-c	8	0	7	7	0	2	2	0	2,877	0	0	131	3,011	150	1	1	7	0	7	7	0	2	2	0	2,764	0	0	126	2,892
3-5-d	10	1	9	10	0	2	3	0	3,421	0	0	175	3,596	182	1	1	10	1	9	10	0	2	3	0	3,282	0	0	167	3,451
3-5-e	29	1	25	27	1	6	7	0	9,600	0	0	480	10,084	509	17	3	26	1	25	27	1	6	7	0	9,220	0	0	460	9,685
1-6-a	2	0	2	2	0	0	0	0	573	0	0	26	599	28	0	0	1	0	2	2	0	0	0	0	551	0	0	25	577
1-6-c	8	0	7	8	0	2	2	0	3,010	0	0	131	3,146	156	1	1	7	0	7	8	0	2	2	0	2,893	0	0	126	3,023
1-6-d	10	1	9	10	0	2	3	0	3,495	0	0	175	3,671	185	1	1	10	1	9	10	0	2	3	0	3,354	0	0	167	3,523
1-6-e	36	2	32	34	1	8	9	0	12,294	0	0	611	12,911	651	25	4	34	2	32	34	1	8	9	0	11,809	0	0	586	12,401
2-7-a	2	0	2	2	0	0	0	0	582	0	0	26	608	28	0	0	1	0	2	2	0	0	0	0	560	0	0	25	586
2-7-c	3	0	3	3	0	1	1	0	1,518	0	0	52	1,575	76	0	1	3	0	3	3	0	1	1	0	1,462	0	0	50	1,517
2-7-d	4	0	4	4	0	1	1	0	1,506	0	0	70	1,577	79	1	1	4	0	4	4	0	1	1	0	1,446	0	0	67	1,514
2-7-e	26	1	23	25	1	6	6	0	8,901	0	0	436	9,343	470	18	3	24	1	23	25	1	6	6	0	8,552	0	0	419	8,976
2-8-a	2	0	2	2	0	0	0	0	555	0	0	26	581	28	0	0	1	0	2	2	0	0	0	0	533	0	0	25	559
2-8-c	3	0	3	3	0	1	1	0	1,518	0	0	52	1,575	76	0	1	3	0	3	3	0	1	1	0	1,462	0	0	50	1,517
2-8-d	4	0	4	4	0	1	1	0	1,506	0	0	70	1,577	79	1	1	4	0	4	4	0	1	1	0	1,446	0	0	67	1,514
2-8-e	26	1	23	25	1	6	6	0	8,901	0	0	436	9,343	470	19	3	24	1	23	25	1	6	6	0	8,552	0	0	419	8,976
5-1-Pave															0.1														
4-2-Pave															0.2														
4-3-Pave															0.2														
4-4-Pave															0.1														
3-5-Pave															0.3														
1-6-Pave															0.3														
2-7-Pave															0.2														
2-8-Pave															0.2														

Construction - Unmitigated

Daily Construction

	Gal/Day	Pounds per day 2024															Gal/Day	Pounds per day 2025											
Sched Code	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4
5-1-a	29	0	0	1	0	1	1	0	0	0	0	611	0	0	12	627	29	0	0	1	0	1	1	0	0	0	0	599	0
5-1-c	91	0	1	4	0	4	4	0	1	1	0	1,724	0	0	64	1,792	88	0	1	3	0	4	4	0	1	1	0	1,664	0
5-1-d	93	1	1	4	0	5	5	0	1	1	0	1,695	0	0	80	1,777	89	1	1	4	0	5	5	0	1	1	0	1,622	0
5-1-e	453	13	3	22	1	23	25	1	6	6	0	8,248	0	0	401	8,655	435	13	2	21	1	23	25	1	6	6	0	7,882	0
4-2-a	31	0	0	1	0	2	2	0	0	0	0	632	0	0	24	657	30	0	0	1	0	2	2	0	0	0	0	610	0
4-2-b	64	0	1	2	0	2	2	0	1	1	0	1,315	0	0	24	1,346	63	0	1	1	0	2	2	0	1	1	0	1,290	0
4-2-c	195	1	2	7	0	8	8	0	2	2	0	3,801	0	0	120	3,935	189	1	2	7	0	8	8	0	2	2	0	3,686	0
4-2-d	201	1	1	9	1	10	10	0	2	3	0	3,736	0	0	160	3,902	193	1	1	8	1	10	10	0	2	3	0	3,588	0
4-2-e	1,054	30	5	53	3	55	58	1	14	15	0	19,032	0	0	962	20,000	1,010	29	5	50	3	55	58	1	14	15	0	18,155	0
4-3-c	173	1	2	7	0	8	8	0	2	2	0	3,296	0	0	120	3,424	167	1	2	6	0	8	8	0	2	2	0	3,183	0
4-3-d	176	1	1	9	1	9	10	0	2	3	0	3,180	0	0	160	3,342	169	1	1	8	1	9	10	0	2	3	0	3,034	0
4-3-e	481	20	2	25	1	25	27	1	6	7	0	8,680	0	0	441	9,123	461	20	2	23	1	25	27	1	6	7	0	8,278	0
4-4-a	51	0	1	1	0	2	2	0	0	0	0	1,053	0	0	24	1,082	50	0	1	1	0	2	2	0	0	0	0	1,029	0
4-4-c	150	1	1	7	0	7	8	0	2	2	0	2,790	0	0	120	2,914	144	1	1	6	0	7	8	0	2	2	0	2,679	0
4-4-d	178	1	1	9	1	9	10	0	2	3	0	3,218	0	0	160	3,380	170	1	1	8	1	9	10	0	2	3	0	3,072	0
4-4-e	500	23	3	25	1	26	27	1	6	7	0	9,099	0	0	441	9,546	479	23	3	23	1	26	27	1	6	7	0	8,696	0
3-2-a	29	0	0	1	0	1	1	0	0	0	0	524	0	0	24	549	27	0	0	1	0	1	1	0	0	0	0	502	0
3-5-c	144	1	1	7	0	7	7	0	2	2	0	2,660	0	0	120	2,784	139	1	1	6	0	7	7	0	2	2	0	2,550	0
3-5-d	174	1	1	9	1	9	10	0	2	3	0	3,146	0	0	160	3,307	167	1	1	8	1	9	10	0	2	3	0	3,000	0
3-5-e	488	17	3	25	1	25	27	1	6	7	0	8,845	0	0	441	9,290	468	17	2	23	1	25	27	1	6	7	0	8,442	0
1-6-a	27	0	0	1	0	2	2	0	0	0	0	531	0	0	24	555	26	0	0	1	0	2	2	0	0	0	0	509	0
1-6-c	150	1	1	7	0	7	8	0	2	2	0	2,790	0	0	120	2,914	144	1	1	6	0	7	8	0	2	2	0	2,679	0
1-6-d	178	1	1	9	1	9	10	0	2	3	0	3,218	0	0	160	3,380	170	1	1	8	1	9	10	0	2	3	0	3,072	0
1-6-e	625	25	3	31	2	32	34	1	8	9	0	11,331	0	0	561	11,898	599	24	3	29	2	32	34	1	8	9	0	10,819	0
2-7-a	27	0	0	1	0	2	2	0	0	0	0	540	0	0	24	564	26	0	0	1	0	2	2	0	0	0	0	518	0
2-7-c	74	0	1	3	0	3	3	0	1	1	0	1,419	0	0	48	1,472	71	0	1	3	0	3	3	0	1	1	0	1,374	0
2-7-d	76	0	0	4	0	4	4	0	1	1	0	1,391	0	0	64	1,456	73	0	0	3	0	4	4	0	1	1	0	1,332	0
2-7-e	452	17	3	22	1	23	25	1	6	6	0	8,211	0	0	401	8,616	433	17	2	21	1	23	25	1	6	6	0	7,844	0
2-8-a	27	0	0	1	0	2	2	0	0	0	0	513	0	0	24	537	26	0	0	1	0	2	2	0	0	0	0	491	0
2-8-c	74	0	1	3	0	3	3	0	1	1	0	1,419	0	0	48	1,472	71	0	1	3	0	3	3	0	1	1	0	1,374	0
2-8-d	76	0	0	4	0	4	4	0	1	1	0	1,391	0	0	64	1,456	73	0	0	3	0	4	4	0	1	1	0	1,332	0
2-8-e	452	19	3	22	1	23	25	1	6	6	0	8,211	0	0	401	8,616	433	18	2	21	1	23	25	1	6	6	0	7,844	0
5-1-Pave		0.1																0.1											
4-2-Pave		0.2																0.2											
4-3-Pave		0.2																0.2											
4-4-Pave		0.1																0.1											
3-5-Pave		0.3																0.3											
1-6-Pave		0.3																0.3											
2-7-Pave		0.2																0.2											
2-8-Pave		0.2																0.2											

Construction - Unmitigated

Daily Construction

	Gal/Day				Pounds per day 2026														Gal/Day		Pounds per day 2027								
Sched Code	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T
5-1-a	0	11	614	28	0	0	1	0	1	1	0	0	0	0	588	0	0	11	602	28	0	0	1	0	1	1	0	0	0
5-1-c	0	61	1,729	84	0	1	3	0	4	4	0	1	1	0	1,611	0	0	58	1,673	81	0	1	3	0	4	4	0	1	1
5-1-d	0	76	1,700	85	1	0	4	0	5	5	0	1	1	0	1,557	0	0	73	1,632	82	1	0	4	0	5	5	0	1	1
5-1-e	0	382	8,269	415	12	2	20	1	23	25	1	6	6	0	7,559	0	0	365	7,929	398	12	2	18	1	23	25	1	6	6
4-2-a	0	23	634	29	0	0	1	0	2	2	0	0	0	0	590	0	0	22	613	28	0	0	1	0	2	2	0	0	0
4-2-b	0	23	1,320	61	0	1	1	0	2	2	0	1	1	0	1,268	0	0	22	1,297	60	0	1	1	0	2	2	0	1	1
4-2-c	0	114	3,814	183	1	2	6	0	8	8	0	2	2	0	3,584	0	0	109	3,707	178	1	2	6	0	8	8	0	2	2
4-2-d	0	153	3,746	185	1	1	8	1	10	10	0	2	3	0	3,457	0	0	146	3,609	178	1	1	7	1	10	10	0	2	3
4-2-e	0	916	19,077	963	29	5	47	3	55	58	1	14	15	0	17,383	0	0	875	18,264	921	29	4	44	3	55	58	1	14	15
4-3-c	0	114	3,306	161	1	2	6	0	8	8	0	2	2	0	3,082	0	0	109	3,201	156	1	2	6	0	8	8	0	2	2
4-3-d	0	153	3,188	161	1	1	8	1	9	10	0	2	3	0	2,905	0	0	146	3,052	154	1	1	7	1	9	10	0	2	3
4-3-e	0	420	8,701	439	20	2	21	1	25	27	1	6	7	0	7,925	0	0	401	8,328	420	20	2	20	1	25	27	1	6	7
4-4-a	0	23	1,057	49	0	1	1	0	2	2	0	0	0	0	1,008	0	0	22	1,035	48	0	1	1	0	2	2	0	0	0
4-4-c	0	114	2,797	139	1	1	6	0	7	8	0	2	2	0	2,581	0	0	109	2,694	133	1	1	6	0	7	8	0	2	2
4-4-d	0	153	3,226	162	1	1	8	1	9	10	0	2	3	0	2,943	0	0	146	3,090	156	1	1	7	1	9	10	0	2	3
4-4-e	0	420	9,121	458	22	3	22	1	26	27	1	6	7	0	8,340	0	0	401	8,747	439	22	2	20	1	26	27	1	6	7
3-2-a	0	23	526	26	0	0	1	0	1	1	0	0	0	0	483	0	0	22	505	25	0	0	1	0	1	1	0	0	0
3-5-c	0	114	2,667	133	1	1	6	0	7	7	0	2	2	0	2,452	0	0	109	2,565	128	1	1	6	0	7	7	0	2	2
3-5-d	0	153	3,154	159	1	1	8	1	9	10	0	2	3	0	2,872	0	0	146	3,018	152	1	1	7	1	9	10	0	2	3
3-5-e	0	420	8,866	447	17	2	21	1	25	27	1	6	7	0	8,088	0	0	401	8,493	428	16	2	20	1	25	27	1	6	7
1-6-a	0	23	532	24	0	0	1	0	2	2	0	0	0	0	490	0	0	22	512	23	0	0	1	0	2	2	0	0	0
1-6-c	0	114	2,797	139	1	1	6	0	7	8	0	2	2	0	2,581	0	0	109	2,694	133	1	1	6	0	7	8	0	2	2
1-6-d	0	153	3,226	162	1	1	8	1	9	10	0	2	3	0	2,943	0	0	146	3,090	156	1	1	7	1	9	10	0	2	3
1-6-e	0	534	11,359	572	24	3	27	2	32	34	1	8	9	0	10,367	0	0	511	10,884	548	24	3	26	2	32	34	1	8	9
2-7-a	0	23	541	24	0	0	1	0	2	2	0	0	0	0	499	0	0	22	521	23	0	0	1	0	2	2	0	0	0
2-7-c	0	46	1,424	69	0	1	2	0	3	3	0	1	1	0	1,333	0	0	44	1,381	67	0	1	2	0	3	3	0	1	1
2-7-d	0	61	1,394	70	0	0	3	0	4	4	0	1	1	0	1,280	0	0	58	1,340	67	0	0	3	0	4	4	0	1	1
2-7-e	0	382	8,231	414	17	2	20	1	23	25	1	6	6	0	7,521	0	0	365	7,891	396	17	2	18	1	23	25	1	6	6
2-8-a	0	23	514	24	0	0	1	0	2	2	0	0	0	0	472	0	0	22	494	23	0	0	1	0	2	2	0	0	0
2-8-c	0	46	1,424	69	0	1	2	0	3	3	0	1	1	0	1,333	0	0	44	1,381	67	0	1	2	0	3	3	0	1	1
2-8-d	0	61	1,394	70	0	0	3	0	4	4	0	1	1	0	1,280	0	0	58	1,340	67	0	0	3	0	4	4	0	1	1
2-8-e	0	382	8,231	414	18	2	20	1	23	25	1	6	6	0	7,521	0	0	365	7,891	396	18	2	18	1	23	25	1	6	6
5-1-Pave					0.1																0.1								
4-2-Pave					0.2																0.2								
4-3-Pave					0.2																0.2								
4-4-Pave					0.1																0.1								
3-5-Pave					0.3																0.3								
1-6-Pave					0.3																0.3								
2-7-Pave					0.2																0.2								
2-8-Pave					0.2																0.2								

Construction - Unmitigated

Daily Construction

	Gal/Day							Pounds per day 2028																Gal/Day						
Sched Code	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T
5-1-a	0	578	0	0	10	592	27	0	0	1	0	1	1	0	0	0	0	569	0	0	10	583	27	0	0	1	0	1	1
5-1-c	0	1,563	0	0	56	1,623	79	0	1	3	0	4	4	0	1	1	0	1,521	0	0	54	1,579	77	0	1	3	0	4	4
5-1-d	0	1,500	0	0	70	1,571	79	1	0	4	0	5	5	0	1	1	0	1,449	0	0	67	1,518	76	0	0	3	0	5	5
5-1-e	0	7,271	0	0	350	7,626	383	12	2	17	1	23	25	1	6	6	0	7,018	0	0	336	7,360	369	12	2	17	1	23	25
4-2-a	0	572	0	0	21	595	27	0	0	1	0	2	2	0	0	0	0	557	0	0	20	578	26	0	0	1	0	2	2
4-2-b	0	1,247	0	0	21	1,276	59	0	1	1	0	2	2	0	1	1	0	1,230	0	0	20	1,257	58	0	1	1	0	2	2
4-2-c	0	3,492	0	0	105	3,610	173	1	2	6	0	8	8	0	2	2	0	3,413	0	0	101	3,526	169	1	2	5	0	8	8
4-2-d	0	3,340	0	0	140	3,486	172	1	1	7	1	10	10	0	2	3	0	3,238	0	0	135	3,378	167	1	1	7	1	10	10
4-2-e	0	16,697	0	0	839	17,543	885	29	4	42	3	55	58	1	14	15	0	16,092	0	0	808	16,906	852	28	4	39	3	55	58
4-3-c	0	2,993	0	0	105	3,106	151	1	1	5	0	8	8	0	2	2	0	2,914	0	0	101	3,024	147	1	1	5	0	8	8
4-3-d	0	2,791	0	0	140	2,932	148	1	1	7	1	9	10	0	2	3	0	2,690	0	0	135	2,826	142	1	1	7	1	9	10
4-3-e	0	7,610	0	0	385	7,998	404	20	2	19	1	25	27	1	6	7	0	7,334	0	0	370	7,706	389	19	2	18	1	25	27
4-4-a	0	989	0	0	21	1,015	47	0	1	1	0	2	2	0	0	0	0	972	0	0	20	997	46	0	1	1	0	2	2
4-4-c	0	2,493	0	0	105	2,602	129	1	1	5	0	7	8	0	2	2	0	2,416	0	0	101	2,521	125	1	1	5	0	7	8
4-4-d	0	2,828	0	0	140	2,970	149	1	1	7	1	9	10	0	2	3	0	2,727	0	0	135	2,864	144	1	1	7	1	9	10
4-4-e	0	8,024	0	0	385	8,415	422	22	2	19	1	26	27	1	6	7	0	7,746	0	0	370	8,122	407	22	2	18	1	26	27
3-2-a	0	465	0	0	21	487	24	0	0	1	0	1	1	0	0	0	0	450	0	0	20	471	23	0	0	1	0	1	1
3-5-c	0	2,365	0	0	105	2,473	123	1	1	5	0	7	7	0	2	2	0	2,289	0	0	101	2,393	119	1	1	5	0	7	7
3-5-d	0	2,758	0	0	140	2,898	146	1	1	7	1	9	10	0	2	3	0	2,657	0	0	135	2,792	141	1	1	7	1	9	10
3-5-e	0	7,773	0	0	385	8,162	411	16	2	19	1	25	27	1	6	7	0	7,496	0	0	370	7,870	396	16	2	18	1	25	27
1-6-a	0	472	0	0	21	494	22	0	0	1	0	2	2	0	0	0	0	457	0	0	20	478	22	0	0	1	0	2	2
1-6-c	0	2,493	0	0	105	2,602	129	1	1	5	0	7	8	0	2	2	0	2,416	0	0	101	2,521	125	1	1	5	0	7	8
1-6-d	0	2,828	0	0	140	2,970	149	1	1	7	1	9	10	0	2	3	0	2,727	0	0	135	2,864	144	1	1	7	1	9	10
1-6-e	0	9,966	0	0	490	10,461	526	24	3	24	2	32	34	1	8	9	0	9,613	0	0	471	10,090	507	24	3	23	2	32	34
2-7-a	0	481	0	0	21	503	22	0	0	1	0	2	2	0	0	0	0	466	0	0	20	487	22	0	0	1	0	2	2
2-7-c	0	1,297	0	0	42	1,343	65	0	1	2	0	3	3	0	1	1	0	1,265	0	0	40	1,310	63	0	1	2	0	3	3
2-7-d	0	1,234	0	0	56	1,291	64	0	0	3	0	4	4	0	1	1	0	1,193	0	0	54	1,248	62	0	0	3	0	4	4
2-7-e	0	7,234	0	0	350	7,589	381	17	2	17	1	23	25	1	6	6	0	6,981	0	0	336	7,323	367	17	2	17	1	23	25
2-8-a	0	454	0	0	21	476	22	0	0	1	0	2	2	0	0	0	0	439	0	0	20	460	22	0	0	1	0	2	2
2-8-c	0	1,297	0	0	42	1,343	65	0	1	2	0	3	3	0	1	1	0	1,265	0	0	40	1,310	63	0	1	2	0	3	3
2-8-d	0	1,234	0	0	56	1,291	64	0	0	3	0	4	4	0	1	1	0	1,193	0	0	54	1,248	62	0	0	3	0	4	4
2-8-e	0	7,234	0	0	350	7,589	381	18	2	17	1	23	25	1	6	6	0	6,981	0	0	336	7,323	367	18	2	17	1	23	25
5-1-Pave								0.1																0.1						
4-2-Pave								0.2																0.2						
4-3-Pave								0.2																0.2						
4-4-Pave								0.1																0.1						
3-5-Pave								0.3																0.3						
1-6-Pave								0.3																0.3						
2-7-Pave								0.2																0.2						
2-8-Pave								0.2																0.2						

Construction - Unmitigated

Daily Construction

	Pounds per day 2029									Gal/Day	Pounds per day 2030															Gal/Day
Sched Code	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel
5-1-a	0	0	0	0	562	0	0	10	575	26	0	0	1	0	1	1	0	0	0	0	554	0	0	9	567	26
5-1-c	0	1	1	0	1,484	0	0	52	1,540	75	0	1	3	0	4	4	0	1	1	0	1,451	0	0	50	1,506	73
5-1-d	0	1	1	0	1,404	0	0	65	1,470	73	0	0	3	0	5	5	0	1	1	0	1,364	0	0	63	1,429	71
5-1-e	1	6	6	0	6,795	0	0	325	7,125	357	12	2	16	1	23	25	1	6	6	0	6,598	0	0	315	6,918	347
4-2-a	0	0	0	0	543	0	0	19	564	25	0	0	1	0	2	2	0	0	0	0	531	0	0	19	551	25
4-2-b	0	1	1	0	1,214	0	0	19	1,240	57	0	1	1	0	2	2	0	1	1	0	1,198	0	0	19	1,224	56
4-2-c	0	2	2	0	3,342	0	0	97	3,452	165	1	2	5	0	8	8	0	2	2	0	3,278	0	0	94	3,385	162
4-2-d	0	2	3	0	3,147	0	0	130	3,283	162	1	1	6	1	10	10	0	2	3	0	3,066	0	0	126	3,198	158
4-2-e	1	14	15	0	15,558	0	0	780	16,344	824	28	4	37	3	55	58	1	14	15	0	15,087	0	0	755	15,849	799
4-3-c	0	2	2	0	2,845	0	0	97	2,951	143	1	1	5	0	8	8	0	2	2	0	2,783	0	0	94	2,886	140
4-3-d	0	2	3	0	2,601	0	0	130	2,732	138	1	1	6	1	9	10	0	2	3	0	2,523	0	0	126	2,650	133
4-3-e	1	6	7	0	7,089	0	0	357	7,449	376	19	2	17	1	25	27	1	6	7	0	6,873	0	0	346	7,222	364
4-4-a	0	0	0	0	957	0	0	19	981	45	0	1	1	0	2	2	0	0	0	0	943	0	0	19	966	44
4-4-c	0	2	2	0	2,348	0	0	97	2,450	121	1	1	5	0	7	8	0	2	2	0	2,288	0	0	94	2,386	118
4-4-d	0	2	3	0	2,638	0	0	130	2,770	139	1	1	6	1	9	10	0	2	3	0	2,560	0	0	126	2,687	135
4-4-e	1	6	7	0	7,500	0	0	357	7,863	394	22	2	17	1	26	27	1	6	7	0	7,283	0	0	346	7,635	382
3-2-a	0	0	0	0	437	0	0	19	457	23	0	0	1	0	1	1	0	0	0	0	425	0	0	19	444	22
3-5-c	0	2	2	0	2,221	0	0	97	2,322	115	1	1	5	0	7	7	0	2	2	0	2,161	0	0	94	2,259	112
3-5-d	0	2	3	0	2,568	0	0	130	2,699	136	1	1	6	1	9	10	0	2	3	0	2,489	0	0	126	2,616	132
3-5-e	1	6	7	0	7,251	0	0	357	7,612	383	16	2	17	1	25	27	1	6	7	0	7,034	0	0	346	7,384	371
1-6-a	0	0	0	0	444	0	0	19	464	21	0	0	1	0	2	2	0	0	0	0	432	0	0	19	451	20
1-6-c	0	2	2	0	2,348	0	0	97	2,450	121	1	1	5	0	7	8	0	2	2	0	2,288	0	0	94	2,386	118
1-6-d	0	2	3	0	2,638	0	0	130	2,770	139	1	1	6	1	9	10	0	2	3	0	2,560	0	0	126	2,687	135
1-6-e	1	8	9	0	9,301	0	0	455	9,761	491	24	2	22	2	32	34	1	8	9	0	9,025	0	0	440	9,471	476
2-7-a	0	0	0	0	453	0	0	19	473	21	0	0	1	0	2	2	0	0	0	0	441	0	0	19	461	20
2-7-c	0	1	1	0	1,237	0	0	39	1,281	62	0	1	2	0	3	3	0	1	1	0	1,212	0	0	38	1,254	60
2-7-d	0	1	1	0	1,157	0	0	52	1,211	60	0	0	3	0	4	4	0	1	1	0	1,125	0	0	50	1,177	59
2-7-e	1	6	6	0	6,758	0	0	325	7,088	355	17	2	16	1	23	25	1	6	6	0	6,561	0	0	315	6,881	345
2-8-a	0	0	0	0	426	0	0	19	446	21	0	0	1	0	2	2	0	0	0	0	414	0	0	19	433	20
2-8-c	0	1	1	0	1,237	0	0	39	1,281	62	0	1	2	0	3	3	0	1	1	0	1,212	0	0	38	1,254	60
2-8-d	0	1	1	0	1,157	0	0	52	1,211	60	0	0	3	0	4	4	0	1	1	0	1,125	0	0	50	1,177	59
2-8-e	1	6	6	0	6,758	0	0	325	7,088	355	18	2	16	1	23	25	1	6	6	0	6,561	0	0	315	6,881	345
5-1-Pave											0.1															
4-2-Pave											0.2															
4-3-Pave											0.2															
4-4-Pave											0.1															
3-5-Pave											0.3															
1-6-Pave											0.3															
2-7-Pave											0.2															
2-8-Pave											0.2															

Construction - Unmitigated

Daily Construction- Equipment

				Pounds per day															Pounds per day																	
				2016															2017																	
Phase/Equipment	start	end	days	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO
5-1-aScrapers Cat 657G	6/17/2017	7/20/2017	56	5	69	38	3	0	3	2	0	2	0	7759	2	0	0	7877	5	65	35	2	0	2	2	0	2	0	7637	2	0	0	7755	4	57	30
5-1-aDozer D9T	6/17/2017	11/21/2017	62	2	28	15	1	0	1	1	0	1	0	2733	1	0	0	2774	2	27	14	1	0	1	1	0	1	0	2690	1	0	0	2732	2	23	13
5-1-aExcavator 374 FL	6/17/2017	11/21/2017	20	0	4	2	0	0	0	0	0	0	0	802	0	0	0	814	0	4	2	0	0	0	0	0	0	0	790	0	0	0	802	0	3	2
5-1-a825 Compactors	6/17/2017	11/21/2017	25	2	28	15	1	0	1	1	0	1	0	2733	1	0	0	2774	2	27	14	1	0	1	1	0	1	0	2690	1	0	0	2732	2	23	13
5-1-cJohn Deere 410K TC Backhoe Loader	11/22/2017	1/2/2018	26	1	11	8	1	0	1	1	0	1	0	1057	0	0	0	1073	1	10	8	1	0	1	1	0	1	0	1039	0	0	0	1055	1	9	8
5-1-cAuger Cast Caissons Drill Rig	11/22/2017	1/2/2018	26	1	13	6	0	0	0	0	0	0	0	2473	1	0	0	2511	1	12	6	0	0	0	0	0	0	0	2447	1	0	0	2484	1	9	5
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6/13/2018	9/18/2018	20	1	13	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	12	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	11	5
5-1-dAP 600 D Cat Asphalt Paver	6/13/2018	9/18/2018	49	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	11	8	1	0	1	1	0	1	0	1272	0	0	0	1292	1	10	8
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	6/13/2018	9/18/2018	10	2	6	7	1	0	1	1	0	1	0	707	0	0	0	717	2	6	7	0	0	0	0	0	0	0	707	0	0	0	717	2	6	7
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/21/2017	12/3/2018	30	2	18	7	1	0	1	1	0	1	0	3486	0	0	0	3513	1	16	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	14	6
5-1-eLink Belt Conventional Lattice Crawler Crane	5/6/2018	12/3/2018	159	1	8	5	0	0	0	0	0	0	0	725	0	0	0	736	1	7	5	0	0	0	0	0	0	0	714	0	0	0	725	1	7	5
4-2-aScrapers Cat 657G	1/2/2017	8/11/2017	74	7	92	51	3	0	3	3	0	3	0	10345	3	0	0	10503	7	86	47	3	0	3	3	0	3	0	10183	3	0	0	10339	6	76	40
4-2-aDozer D9T	1/2/2017	8/11/2017	80	4	57	29	2	0	2	2	0	2	0	5465	2	0	0	5548	4	54	28	2	0	2	2	0	2	0	5380	2	0	0	5463	4	47	26
4-2-aCat 140M3 Grader	1/2/2017	8/11/2017	30	1	8	2	0	0	0	0	0	0	0	738	0	0	0	749	1	8	2	0	0	0	0	0	0	0	726	0	0	0	737	1	8	2
4-2-aCat 374 F L	1/2/2017	8/11/2017	74	0	4	2	0	0	0	0	0	0	0	802	0	0	0	814	0	4	2	0	0	0	0	0	0	0	790	0	0	0	802	0	3	2
4-2-a825 Compactors	1/2/2017	8/11/2017	74	4	57	29	2	0	2	2	0	2	0	5465	2	0	0	5548	4	54	28	2	0	2	2	0	2	0	5380	2	0	0	5463	4	47	26
4-2-aOff Highway Dump Truck Cat 770	1/2/2017	8/11/2017	30	2	26	12	1	0	1	1	0	1	0	3269	1	0	0	3319	2	24	11	1	0	1	1	0	1	0	3215	1	0	0	3265	2	20	10
4-2-aWheel Loader 986 H	1/2/2017	8/11/2017	30	2	24	11	1	0	1	1	0	1	0	2612	1	0	0	2652	2	22	11	1	0	1	1	0	1	0	2570	1	0	0	2609	2	19	10
4-2-bKomatsu PC360LC	1/2/2017	2/24/2017	37	1	18	8	1	0	1	1	0	1	0	3206	1	0	0	3255	1	16	8	1	0	1	0	0	0	0	3159	1	0	0	3207	1	13	7
4-2-cAuger Cast Caissons Drill Rig	7/26/2017	3/6/2018	101	1	19	8	1	0	1	1	0	1	0	3710	1	0	0	3766	1	18	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	13	8
4-2-cJohn Deere 410K TC Backhoe Loader	7/26/2017	3/6/2018	101	2	18	13	1	0	1	1	0	1	0	1761	1	0	0	1788	2	17	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	14	13
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12/13/2018	7/24/2019	98	1	13	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	12	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	11	5
4-2-dAP 600 D Cat Asphalt Paver	12/13/2018	7/24/2019	60	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	11	8	1	0	1	1	0	1	0	1272	0	0	0	1292	1	10	8
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	12/13/2018	7/24/2019	10	2	5	6	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3/7/2018	6/1/2020	20	2	18	7	1	0	1	1	0	1	0	3486	0	0	0	3513	1	16	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	14	6
4-2-eLink Belt Conventional Lattice Crawler Crane	7/25/2018	6/1/2020	190	3	32	22	1	0	1	1	0	1	0	2901	1	0	0	2945	2	30	20	1	0	1	1	0	1	0	2857	1	0	0	2901	2	27	18
4-2-eLink Belt Conventional Lattice Crawler Crane	7/25/2018	6/1/2020	190	3	32	22	1	0	1	1	0	1	0	2901	1	0	0	2945	2	30	20	1	0	1	1	0	1	0	2857	1	0	0	2901	2	27	18
4-3-cJohn Deere 410K TC Backhoe Loader	7/15/2019	10/4/2019	59	2	18	13	1	0	1	1	0	1	0	1761	1	0	0	1788	2	17	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	14	13
4-3-cAuger Cast Caissons Drill Rig	7/15/2019	10/4/2019	59	1	19	8	1	0	1	1	0	1	0	3710	1	0	0	3766	1	18	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	13	8
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	7/15/2019	10/4/2019	59	2	18	7	1	0	1	1	0	1	0	3486	0	0	0	3513	1	16	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	14	6
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12/3/2018	4/19/2019	51	1	13	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	12	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	11	5
4-3-dAP 600 D Cat Asphalt Paver	2/16/2019	4/19/2019	44	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	11	8	1	0	1	1	0	1	0	1272	0	0	0	1292	1	10	8
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	2/16/2019	4/19/2019	11	2	5	6	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1/27/2020	12/31/2020	25	2	18	7	1	0	1	1	0	1	0	3486	0	0	0	3513	1	16	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	14	6
4-3-eLink Belt Conventional Lattice Crawler Crane	1/27/2020	12/31/2020	200	1	16	11	1	0	1	1	0	1	0	1450	0	0	0	1472	1	15	10	1	0	1	1	0	1	0	1428	0	0	0	1450	1	13	9
4-4-aScrapers Cat 657G	10/5/2020	3/12/2021	25	5	69	38	3	0	3	2	0	2	0	7759	2	0	0	7877	5	65	35	2	0	2	2	0	2	0	7637	2	0	0	7755	4	57	30
4-4-aDozer D9T	10/5/2020	3/12/2021	30	3	42	22	2	0	2	2	0	2	0	4099	1	0	0	4161	3	40	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	35	19
4-4-aCat 140M3 Grader	10/5/2020	3/12/2021	10	0	4	1	0	0	0	0	0	0	0	369	0	0	0	374	0	4	1	0	0	0	0	0	0	0	363	0	0	0	369	0	4	1
4-4-aCat 374 F L	10/5/2020	3/12/2021	25	0	2	1	0	0	0	0	0	0	0	401	0	0	0	407	0	2	1	0	0	0	0	0	0	0	395	0	0	0	401	0	2	1
4-4-a825 Compactors	10/5/2020	3/12/2021	25	2	28	15	1	0	1	1	0	1	0	2733	1	0	0	2774	2	27	14	1	0	1	1	0	1	0	2690	1	0	0	2732	2	23	13
4-4-aOff Highway Dump Truck Cat 770	10/5/2020	3/12/2021	10	1	13	6	0	0	0	0	0	0	0	1635	0	0	0	1660	1	12	6	0	0	0	0	0	0	0	1608	0	0	0	1632	1	10	5
4-4-aWheel Loader 986 H	10/5/2020	3/12/2021	10	1	12	6	0	0	0	0	0	0	0	1306	0	0	0	1326	1	11	5	0	0	0	0	0	0	0	1285	0	0	0	1305	1	10	5
4-4-cJohn Deere 410K TC Backhoe Loader	3/15/2021	6/4/2021	58	2	18	13	1	0	1	1	0	1	0	1761	1	0	0	1788	2	17	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	14	13
4-4-cAuger Cast Caissons Drill Rig	3/15/2021	6/4/2021	58	1	19	8	1	0	1	1	0	1	0	3710	1	0	0	3766	1	18	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	13	8
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3/15/2021	6/4/2021	58	2	18	7	1	0	1	1	0	1	0	3486	0	0	0	3513	1	16	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	14	6
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/15/2021	4/1/2022	65	1	13	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	12	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	11	5
4-4-dAP 600 D Cat Asphalt Paver	2/16/2022	4/1/2022	33	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	11	8	1	0	1	1	0	1	0	1272	0	0	0	1292	1	10	8
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	2/16/2022	4/1/2022	33	2	5	6	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	7/12/2021	9/15/2022	20	2	18	7	1	0	1	1	0	1	0	3486	0	0	0	3513	1	16	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	14	6
4-4-eLink Belt Conventional Lattice Crawler Crane	7/12/2021	9/1/2022	208	2	24	16	1	0	1	1	0	1	0	2176	1	0	0	2209	2	22	15	1	0	1	1	0	1	0	2143	1	0	0	2176	2	20	14
3-2-dirtScrapers Cat 657	5/1/2017	7/5/2017	50	7	92	51	3	0	3	3	0	3	0	10345	3	0	0	10503	7	86	47	3	0	3	3	0	3	0	10183	3	0	0	10339	6	76	40
3-2-dirtDozer D9T	5/1/2017	7/5/2017	55	4	57	29	2	0	2	2	0	2	0	5465	2	0	0	5548	4	54	28	2	0	2	2	0	2	0	5380	2	0	0	5463	4	47	26
3-2-aScrapers Cat 657	10/3/2022	3/10/2023	10	3	46	25	2	0	2	2	0	2	0	5173	2	0	0	5251	3	43	23	2	0	2	1	0	1	0	5092	2	0	0	5170	3	38	20
3-2-aDozer D9T	10/3/2022	3/10/2023	15	2	28	15	1	0	1	1	0	1	0	2733	1	0	0	2774	2	27	14	1	0	1	1	0	1	0	2690	1	0	0	2732	2	23	13
3-2-aCat 140M3 Grader	10/3/2022	3/10/2023	10	1	8	2	0	0	0	0	0	0	0	738	0	0	0	749	1	8	2	0	0	0	0	0	0	0	726	0	0	0	737	1	8	2
3-2-aCat 374 F L	10/3/2022	3/10/2023	10	0	4	2	0	0	0	0	0	0	0	802	0	0	0	814	0	4	2	0	0	0	0	0	0	0	790	0	0	0	802	0	3	2
3-2-a825 Compactors	10/3/2022	3/10/2023	10	2	28	15	1	0	1	1	0	1	0	2733	1	0	0	2774	2	27	14	1	0	1	1	0	1	0	2690	1	0	0	2732	2	23	13
3-2-aOff Highway Dump Truck Cat 770	10/3/2022	3/10/2023	5	2	26	12	1	0	1	1	0	1	0	3269	1	0	0	3319	2	24	11	1	0	1	1	0	1	0	3215	1	0	0	3265	2	20	10
3-2-aWheel Loader 986 H	10/3/2022	3/10/2023	5	2	24	11	1	0	1	1	0	1	0	2612	1	0	0	2652	2	22	11	1	0	1	1	0	1	0	2570	1	0	0	2609	2	19	10
3-5-cJohn Deere 410K TC Backhoe Loader	1/23/2023	4/14/2023	58	2	18	13	1	0	1	1	0	1	0	1761	1	0	0	1788	2	17	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	14	13
3-5-cAuger Cast Caissons Drill Rig	1/23/2023	4/14/2023	58	1	19	8	1	0	1	1	0	1	0	3710	1	0	0	3766	1	18	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	13	8
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1/23/2023	4/14/2023	58	2	18	7	1	0	1	1	0	1	0	3486	0	0	0	3513	1	16	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	14	6
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	7/17/2023	12/1/2023	64	1	13	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	12	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	11	5
3-5-dAP 600 D Cat Asphalt Paver	7/17/2023	12/1/2023	34	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	11	8	1	0	1	1	0	1	0	1272	0	0	0	1292	1	10	8
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	7/17/2023	12/1/2023	34	2	5	6	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	4/24/2023	1/15/2024	45	3	36	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	32	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	29	13
3-5-eLink Belt Conventional Lattice Crawler Crane	4/24/2023	6/1/2024	208	1	16	11	1	0	1	1	0	1	0	1450	0	0	0	1472	1	15	10	1	0	1	1	0	1	0	1428	0	0	0	1450	1	13	9
1-6-aScrapers Cat 657	10/7/2024	12/10/2024	20	5	69	38	3	0	3	2	0	2	0	7759	2	0	0	7877	5	65	35	2	0	2	2	0	2	0	7637	2	0	0	7755	4	57	30
1-6-aDozer D9T	10/7/2024	12/10/2024	25	3	42	22	2	0	2	2	0	2	0	4099	1	0	0	4161	3	40	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	35	19
1-6-aCat 140M3 Grader	10/7/2024	12/10/2024	10	1	8	2	0	0	0	0	0	0	0	738	0	0	0	749	1	8	2	0	0	0	0	0	0	0	726	0	0	0	737	1	8	2
1-6-aCat 374 F L	10/7/2024	12/10/2024	10	0	2	1	0	0	0	0	0	0	0	401	0	0	0	407	0	2	1	0	0	0	0	0	0	0	395	0	0	0	401	0	2	1
1-6-a825 Compactors	10/7/2024	12/10/2024	20	3	42	22	2	0	2	2	0	2	0	4099	1	0	0	4161	3	40	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	35	19
1-6-aOff Highway Dump Truck Cat 770	10/7/2024	12/10/2024	10	2	26	12	1	0	1	1	0	1	0	3269	1	0	0	3319	2	24	11	1	0	1	1	0	1	0	3215	1	0	0	3265	2	20	10
1-6-aWheel Loader 986 H	10/7/2024	12/10/2024	10	2	24	11	1	0	1	1	0	1	0	2612	1	0	0	2652	2	22	11	1	0	1	1	0	1	0	2570	1	0	0	2609	2	19	10
1-6-cJohn Deere 410K TC Backhoe Loader	11/27/2024	2/18/2025	55	2	18	13	1	0	1	1	0	1	0	1761	1	0	0	1788	2	17	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	14	13
1-6-cAuger Cast Caissons Drill Rig	11/27/2024	2/18/2025	55	1	19	8	1	0	1	1	0	1	0	3710	1	0	0	3766	1	18	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	13	8
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/27/2024	2/18/2025	55	2	18	7	1	0	1	1	0	1	0	3486	0	0	0	3513	1	16	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	14	6
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/4/2024	3/21/2025	70	1	13	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	12	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	11	5
1-6-dAP 600 D Cat Asphalt Paver	11/4/2024	3/21/2025	23	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	11	8	1	0	1	1	0	1	0	1272	0	0	0	1292	1	10	8
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	11/4/2024	3/21/2025	23	2	5	6	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/26/2025	5/15/2026	45	3	36	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	32	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	29	13
1-6-eLink Belt Conventional Lattice Crawler Crane	5/20/2025	5/20/2026	198	2	24	16	1	0	1	1	0	1	0	2176	1	0	0	2209	2	22	15	1	0	1	1	0	1	0	2143	1	0	0	2176	2	20	14
1-6-eLink Belt Conventional Lattice Crawler Crane	5/20/2025	5/20/2026	198	2	24	16	1	0	1	1	0	1	0	2176	1	0	0	2209	2	22	15	1	0	1	1	0	1	0	2143	1	0	0	2176	2	20	14
2-7-aScrapers Cat 657	10/15/2026	11/13/2026	10	5	69	38	3	0	3	2	0	2	0	7759	2	0	0	7877	5	65	35	2	0	2	2	0	2	0	7637	2	0	0	7755	4	57	30
2-7-aDozer D9T	10/15/2026	11/13/2026	15	3	42	22	2	0	2	2	0	2	0	4099	1	0	0	4161	3	40	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	35	19
2-7-aCat 140M3 Grader	10/15/2026	11/13/2026	7	1	8	2	0	0	0	0	0	0	0	738	0	0	0	749	1	8	2	0	0	0	0	0	0	0	726	0	0	0	737	1	8	2
2-7-aCat 374 F L	10/15/2026	11/13/2026	5	0	2	1	0	0	0	0	0	0	0	401	0	0	0	407	0	2	1	0	0	0	0	0	0	0	395	0	0	0	401	0	2	1
2-7-a825 Compactors	10/15/2026	11/13/2026	10	3	42	22	2	0	2	2	0	2	0	4099	1	0	0	4161	3	40	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	35	19
2-7-aOff Highway Dump Truck Cat 770	10/15/2026	11/13/2026	5	2	26	12	1	0	1	1	0	1	0	3269	1	0	0	3319	2	24	11	1	0	1	1	0	1	0	3215	1	0	0	3265	2	20	10
2-7-aWheel Loader 986 H	10/15/2026	11/13/2026	5	2	24	11	1	0	1	1	0	1	0	2612	1	0	0	2652	2	22	11	1	0	1	1	0	1	0	2570	1	0	0	2609	2	19	10
2-7-cJohn Deere 410K TC Backhoe Loader	11/16/2026	2/5/2027	55	2	18	13	1	0	1	1	0	1	0	1761	1	0	0	1788	2	17	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	14	13
2-7-cAuger Cast Caissons Drill Rig	11/16/2026	2/5/2027	55	1	19	8	1	0	1	1	0	1	0	3710	1	0	0	3766	1	18	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	13	8
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/16/2026	2/5/2027	55	2	18	7	1	0	1	1	0	1	0	3486	0	0	0	3513	1	16	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	14	6
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5/3/2027	9/17/2027	55	1	13	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	12	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	11	5
2-7-dAP 600 D Cat Asphalt Paver	5/3/2027	9/17/2027	42	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	11	8	1	0	1	1	0	1	0	1272	0	0	0	1292	1	10	8
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5/3/2027	9/17/2027	42	2	5	6	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/8/2027	9/1/2028	35	2	18	7	1	0	1	1	0	1	0	3486	0	0	0	3513	1	16	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	14	6
2-7-eLink Belt Conventional Lattice Crawler Crane	4/30/2027	9/1/2028	198	1	16	11	1	0	1	1	0	1	0	1450	0	0	0	1472	1	15	10	1	0	1	1	0	1	0	1428	0	0	0	1450	1	13	9
2-7-eLink Belt Conventional Lattice Crawler Crane	4/30/2027	9/1/2028	198	1	16	11	1	0	1	1	0	1	0	1450	0	0	0	1472	1	15	10	1	0	1	1	0	1	0	1428	0	0	0	1450	1	13	9
2-8-aScrapers Cat 657	10/2/2028	1/5/2029	10	5	69	38	3	0	3	2	0	2	0	7759	2	0	0	7877	5	65	35	2	0	2	2	0	2	0	7637	2	0	0	7755	4	57	30
2-8-aDozer D9T	10/2/2028	1/5/2029	15	3	42	22	2	0	2	2	0	2	0	4099	1	0	0	4161	3	40	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	35	19
2-8-aCat 140M3 Grader	10/2/2028	1/5/2029	7	1	8	2	0	0	0	0	0	0	0	738	0	0	0	749	1	8	2	0	0	0	0	0	0	0	726	0	0	0	737	1	8	2
2-8-aCat 374 F L	10/2/2028	1/5/2029	5	0	2	1	0	0	0	0	0	0	0	401	0	0	0	407	0	2	1	0	0	0	0	0	0	0	395	0	0	0	401	0	2	1
2-8-a825 Compactors	10/2/2028	1/5/2029	10	3	42	22	2	0	2	2	0	2	0	4099	1	0	0	4161	3	40	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	35	19
2-8-aOff Highway Dump Truck Cat 770	10/2/2028	1/5/2029	5	2	26	12	1	0	1	1	0	1	0	3269	1	0	0	3319	2	24	11	1	0	1	1	0	1	0	3215	1	0	0	3265	2	20	10
2-8-aWheel Loader 986 H	10/2/2028	1/5/2029	5	2	24	11	1	0	1	1	0	1	0	2612	1	0	0	2652	2	22	11	1	0	1	1	0	1	0	2570	1	0	0	2609	2	19	10
2-8-cJohn Deere 410K TC Backhoe Loader	11/27/2028	2/16/2029	57	1	11	8	1	0	1	1	0	1	0	1057	0	0	0	1073	1	10	8	1	0	1	1	0	1	0	1039	0	0	0	1055	1	9	8
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/27/2028	2/16/2029	57	2	18	7	1	0	1	1	0	1	0	3486	0	0	0	3513	1	16	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	14	6
2-8-cAuger Cast Caissons Drill Rig	11/27/2028	2/16/2029	57	0	6	3	0	0	0	0	0	0	0	1237	0	0	0	1255	0	6	3	0	0	0	0	0	0	0	1223	0	0	0	1242	0	4	3
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/27/2028	2/16/2029	55	3	36	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	32	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	29	13
2-8-dAP 600 D Cat Asphalt Paver	10/30/2028	3/16/2029	38	1	16	10	1	0	1	1	0	1	0	1614	0	0	0	1639	1	14	10	1	0	1	1	0	1	0	1590	0	0	0	1615	1	12	10
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	10/30/2028	3/16/2029 *	38	2	5	6	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/19/2029	8/1/2030 *	40	3	36	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	32	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	29	13
2-8-eLink Belt Conventional Lattice Crawler Crane	5/11/2029	8/1/2030 *	170	1	8	5	0	0	0	0	0	0	0	725	0	0	0	736	1	7	5	0	0	0	0	0	0	0	714	0	0	0	725	1	7	5

Daily Construction- Equipment

Phase/Equipment	2018 PM10 Ex	2018 PM10 D	2018 PM10 T	2018 PM2.5 Ex	2018 PM2.5 D	2018 PM2.5 T	2018 SOX	2018 CO2	2018 CH4	2018 N2O	2018 Other	2018 CO2e	2019 ROG	2019 NOX	2019 CO	2019 PM10 Ex	2019 PM10 D	2019 PM10 T	2019 PM2.5 Ex	2019 PM2.5 D	2019 PM2.5 T	2019 SOX	2019 CO2	2019 CH4	2019 N2O	2019 Other	2019 CO2e	2020 ROG	2020 NOX	2020 CO	2020 PM10 Ex	2020 PM10 D	2020 PM10 T	2020 PM2.5 Ex	2020 PM2.5 D	2020 PM2.5 T	2020 SOX
	Pounds per day												Pounds per day															Pounds per day									
5-1-aScrapers Cat 657G	2	0	2	2	0	2	0	7513	2	0	0	7629	4	53	28	2	0	2	2	0	2	0	7391	2	0	0	7506	4	48	26	2	0	2	2	0	2	0
5-1-aDozer D9T	1	0	1	1	0	1	0	2642	1	0	0	2683	2	21	12	1	0	1	1	0	1	0	2602	1	0	0	2642	2	19	11	1	0	1	1	0	1	0
5-1-aExcavator 374 FL	0	0	0	0	0	0	0	777	0	0	0	790	0	3	2	0	0	0	0	0	0	0	765	0	0	0	777	0	2	2	0	0	0	0	0	0	0
5-1-a825 Compactors	1	0	1	1	0	1	0	2642	1	0	0	2683	2	21	12	1	0	1	1	0	1	0	2602	1	0	0	2642	2	19	11	1	0	1	1	0	1	0
5-1-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1021	0	0	0	1037	1	8	8	1	0	1	0	0	0	0	1004	0	0	0	1020	1	7	7	0	0	0	0	0	0	0
5-1-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	2428	1	0	0	2465	1	8	5	0	0	0	0	0	0	0	2385	1	0	0	2422	1	7	5	0	0	0	0	0	0	0
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	10	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	8	5	0	0	0	0	0	0	0
5-1-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	1	8	8	0	0	0	0	0	0	0	1232	0	0	0	1252	1	7	8	0	0	0	0	0	0	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	707	0	0	0	716	1	6	7	0	0	0	0	0	0	0	707	0	0	0	716	1	5	6	0	0	0	0	0	0	0
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	13	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	11	6	0	0	0	0	0	0	0
5-1-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	703	0	0	0	714	1	6	4	0	0	0	0	0	0	0	692	0	0	0	703	0	6	4	0	0	0	0	0	0	0
4-2-aScrapers Cat 657G	3	0	3	3	0	3	0	10017	3	0	0	10173	6	70	37	3	0	3	2	0	2	0	9854	3	0	0	10009	5	64	35	2	0	2	2	0	2	0
4-2-aDozer D9T	2	0	2	2	0	2	0	5285	2	0	0	5367	3	42	24	2	0	2	2	0	2	0	5203	2	0	0	5284	3	39	22	2	0	2	1	0	1	0
4-2-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	1	7	2	0	0	0	0	0	0	0	701	0	0	0	712	1	7	2	0	0	0	0	0	0	0
4-2-aCat 374 F L	0	0	0	0	0	0	0	777	0	0	0	790	0	3	2	0	0	0	0	0	0	0	765	0	0	0	777	0	2	2	0	0	0	0	0	0	0
4-2-a825 Compactors	2	0	2	2	0	2	0	5285	2	0	0	5367	3	42	24	2	0	2	2	0	2	0	5203	2	0	0	5284	3	39	22	2	0	2	1	0	1	0
4-2-aOff Highway Dump Truck Cat 770	1	0	1	1	0	1	0	3164	1	0	0	3214	2	17	10	1	0	1	1	0	1	0	3112	1	0	0	3161	2	15	9	1	0	1	1	0	1	0
4-2-aWheel Loader 986 H	1	0	1	1	0	1	0	2529	1	0	0	2569	2	17	9	1	0	1	1	0	1	0	2490	1	0	0	2529	2	16	9	1	0	1	1	0	1	0
4-2-bKomatsu PC360LC	0	0	0	0	0	0	0	3110	1	0	0	3158	1	11	7	0	0	0	0	0	0	0	3060	1	0	0	3108	1	10	7	0	0	0	0	0	0	0
4-2-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	12	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	11	8	0	0	0	0	0	0	0
4-2-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	13	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	11	12	1	0	1	1	0	1	0
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	10	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	8	5	0	0	0	0	0	0	0
4-2-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	1	8	8	0	0	0	0	0	0	0	1232	0	0	0	1252	1	7	8	0	0	0	0	0	0	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	13	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	11	6	0	0	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	1	0	1	1	0	1	0	2814	1	0	0	2857	2	25	17	1	0	1	1	0	1	0	2769	1	0	0	2813	2	22	15	1	0	1	1	0	1	0
4-2-eLink Belt Conventional Lattice Crawler Crane	1	0	1	1	0	1	0	2814	1	0	0	2857	2	25	17	1	0	1	1	0	1	0	2769	1	0	0	2813	2	22	15	1	0	1	1	0	1	0
4-3-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	13	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	11	12	1	0	1	1	0	1	0
4-3-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	12	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	11	8	0	0	0	0	0	0	0
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	13	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	11	6	0	0	0	0	0	0	0
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	10	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	8	5	0	0	0	0	0	0	0
4-3-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	1	8	8	0	0	0	0	0	0	0	1232	0	0	0	1252	1	7	8	0	0	0	0	0	0	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	13	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	11	6	0	0	0	0	0	0	0
4-3-eLink Belt Conventional Lattice Crawler Crane	1	0	1	0	0	0	0	1407	0	0	0	1429	1	12	9	0	0	0	0	0	0	0	1385	0	0	0	1406	1	11	8	0	0	0	0	0	0	0
4-4-aScrapers Cat 657G	2	0	2	2	0	2	0	7513	2	0	0	7629	4	53	28	2	0	2	2	0	2	0	7391	2	0	0	7506	4	48	26	2	0	2	2	0	2	0
4-4-aDozer D9T	1	0	1	1	0	1	0	3964	1	0	0	4025	3	32	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	29	17	1	0	1	1	0	1	0
4-4-aCat 140M3 Grader	0	0	0	0	0	0	0	357	0	0	0	363	0	4	1	0	0	0	0	0	0	0	351	0	0	0	356	0	3	1	0	0	0	0	0	0	0
4-4-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	1	1	0	0	0	0	0	0	0	382	0	0	0	388	0	1	1	0	0	0	0	0	0	0
4-4-a825 Compactors	1	0	1	1	0	1	0	2642	1	0	0	2683	2	21	12	1	0	1	1	0	1	0	2602	1	0	0	2642	2	19	11	1	0	1	1	0	1	0
4-4-aOff Highway Dump Truck Cat 770	0	0	0	0	0	0	0	1582	0	0	0	1607	1	9	5	0	0	0	0	0	0	0	1556	0	0	0	1581	1	8	5	0	0	0	0	0	0	0
4-4-aWheel Loader 986 H	0	0	0	0	0	0	0	1265	0	0	0	1284	1	9	5	0	0	0	0	0	0	0	1245	0	0	0	1264	1	8	4	0	0	0	0	0	0	0
4-4-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	13	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	11	12	1	0	1	1	0	1	0
4-4-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	12	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	11	8	0	0	0	0	0	0	0
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	13	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	11	6	0	0	0	0	0	0	0
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	10	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	8	5	0	0	0	0	0	0	0
4-4-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	1	8	8	0	0	0	0	0	0	0	1232	0	0	0	1252	1	7	8	0	0	0	0	0	0	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	13	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	11	6	0	0	0	0	0	0	0
4-4-eLink Belt Conventional Lattice Crawler Crane	1	0	1	1	0	1	0	2110	1	0	0	2143	2	18	13	1	0	1	1	0	1	0	2077	1	0	0	2109	1	17	11	1	0	1	1	0	1	0
3-2-dirtScrapers Cat 657	3	0	3	3	0	3	0	10017	3	0	0	10173	6	70	37	3	0	3	2	0	2	0	9854	3	0	0	10009	5	64	35	2	0	2	2	0	2	0
3-2-dirtDozer D9T	2	0	2	2	0	2	0	5285	2	0	0	5367	3	42	24	2	0	2	2	0	2	0	5203	2	0	0	5284	3	39	22	2	0	2	1	0	1	0
3-2-aScrapers Cat 657	1	0	1	1	0	1	0	5009	2	0	0	5086	3	35	19	1	0	1	1	0	1	0	4927	2	0	0	5004	3	32	18	1	0	1	1	0	1	0
3-2-aDozer D9T	1	0	1	1	0	1	0	2642	1	0	0	2683	2	21	12	1	0	1	1	0	1	0	2602	1	0	0	2642	2	19	11	1	0	1	1	0	1	0
3-2-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	1	7	2	0	0	0	0	0	0	0	701	0	0	0	712	1	7	2	0	0	0	0	0	0	0
3-2-aCat 374 F L	0	0	0	0	0	0	0	777	0	0	0	790	0	3	2	0	0	0	0	0	0	0	765	0	0	0	777	0	2	2	0	0	0	0	0	0	0
3-2-a825 Compactors	1	0	1	1	0	1	0	2642	1	0	0	2683	2	21	12	1	0	1	1	0	1	0	2602	1	0	0	2642	2	19	11	1	0	1	1	0	1	0
3-2-aOff Highway Dump Truck Cat 770	1	0	1	1	0	1	0	3164	1	0	0	3214	2	17	10	1	0	1	1	0	1	0	3112	1	0	0	3161	2	15	9	1	0	1	1	0	1	0
3-2-aWheel Loader 986 H	1	0	1	1	0	1	0	2529	1	0	0	2569	2	17	9	1	0	1	1	0	1	0	2490	1	0	0	2529	2	16	9	1	0	1	1	0	1	0
3-5-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	13	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	11	12	1	0	1	1	0	1	0
3-5-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	12	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	11	8	0	0	0	0	0	0	0
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	13	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	11	6	0	0	0	0	0	0	0
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	10	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	8	5	0	0	0	0	0	0	0
3-5-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	1	8	8	0	0	0	0	0	0	0	1232	0	0	0	1252	1	7	8	0	0	0	0	0	0	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	0	1	1	0	1	0	6972	0	0	0	7026	3	26	13	1	0	1	1	0	1	0	6972	0	0	0	7026	2	23	12	1	0	1	1	0	1	0
3-5-eLink Belt Conventional Lattice Crawler Crane	1	0	1	0	0	0	0	1407	0	0	0	1429	1	12	9	0	0	0	0	0	0	0	1385	0	0	0	1406	1	11	8	0	0	0	0	0	0	0
1-6-aScrapers Cat 657	2	0	2	2	0	2	0	7513	2	0	0	7629	4	53	28	2	0	2	2	0	2	0	7391	2	0	0	7506	4	48	26	2	0	2	2	0	2	0
1-6-aDozer D9T	1	0	1	1	0	1	0	3964	1	0	0	4025	3	32	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	29	17	1	0	1	1	0	1	0
1-6-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	1	7	2	0	0	0	0	0	0	0	701	0	0	0	712	1	7	2	0	0	0	0	0	0	0
1-6-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	1	1	0	0	0	0	0	0	0	382	0	0	0	388	0	1	1	0	0	0	0	0	0	0
1-6-a825 Compactors	1	0	1	1	0	1	0	3964	1	0	0	4025	3	32	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	29	17	1	0	1	1	0	1	0
1-6-aOff Highway Dump Truck Cat 770	1	0	1	1	0	1	0	3164	1	0	0	3214	2	17	10	1	0	1	1	0	1	0	3112	1	0	0	3161	2	15	9	1	0	1	1	0	1	0
1-6-aWheel Loader 986 H	1	0	1	1	0	1	0	2529	1	0	0	2569	2	17	9	1	0	1	1	0	1	0	2490	1	0	0	2529	2	16	9	1	0	1	1	0	1	0
1-6-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	13	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	11	12	1	0	1	1	0	1	0
1-6-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	12	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	11	8	0	0	0	0	0	0	0
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	13	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	11	6	0	0	0	0	0	0	0
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	10	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	8	5	0	0	0	0	0	0	0
1-6-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	1	8	8	0	0	0	0	0	0	0	1232	0	0	0	1252	1	7	8	0	0	0	0	0	0	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	0	1	1	0	1	0	6972	0	0	0	7026	3	26	13	1	0	1	1	0	1	0	6972	0	0	0	7026	2	23	12	1	0	1	1	0	1	0
1-6-eLink Belt Conventional Lattice Crawler Crane	1	0	1	1	0	1	0	2110	1	0	0	2143	2	18	13	1	0	1	1	0	1	0	2077	1	0	0	2109	1	17	11	1	0	1	1	0	1	0
1-6-eLink Belt Conventional Lattice Crawler Crane	1	0	1	1	0	1	0	2110	1	0	0	2143	2	18	13	1	0	1	1	0	1	0	2077	1	0	0	2109	1	17	11	1	0	1	1	0	1	0
2-7-aScrapers Cat 657	2	0	2	2	0	2	0	7513	2	0	0	7629	4	53	28	2	0	2	2	0	2	0	7391	2	0	0	7506	4	48	26	2	0	2	2	0	2	0
2-7-aDozer D9T	1	0	1	1	0	1	0	3964	1	0	0	4025	3	32	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	29	17	1	0	1	1	0	1	0
2-7-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	1	7	2	0	0	0	0	0	0	0	701	0	0	0	712	1	7	2	0	0	0	0	0	0	0
2-7-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	1	1	0	0	0	0	0	0	0	382	0	0	0	388	0	1	1	0	0	0	0	0	0	0
2-7-a825 Compactors	1	0	1	1	0	1	0	3964	1	0	0	4025	3	32	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	29	17	1	0	1	1	0	1	0
2-7-aOff Highway Dump Truck Cat 770	1	0	1	1	0	1	0	3164	1	0	0	3214	2	17	10	1	0	1	1	0	1	0	3112	1	0	0	3161	2	15	9	1	0	1	1	0	1	0
2-7-aWheel Loader 986 H	1	0	1	1	0	1	0	2529	1	0	0	2569	2	17	9	1	0	1	1	0	1	0	2490	1	0	0	2529	2	16	9	1	0	1	1	0	1	0
2-7-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	13	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	11	12	1	0	1	1	0	1	0
2-7-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	12	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	11	8	0	0	0	0	0	0	0
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	13	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	11	6	0	0	0	0	0	0	0
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	10	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	8	5	0	0	0	0	0	0	0
2-7-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	1	8	8	0	0	0	0	0	0	0	1232	0	0	0	1252	1	7	8	0	0	0	0	0	0	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	13	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	11	6	0	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	1	0	1	0	0	0	0	1407	0	0	0	1429	1	12	9	0	0	0	0	0	0	0	1385	0	0	0	1406	1	11	8	0	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	1	0	1	0	0	0	0	1407	0	0	0	1429	1	12	9	0	0	0	0	0	0	0	1385	0	0	0	1406	1	11	8	0	0	0	0	0	0	0
2-8-aScrapers Cat 657	2	0	2	2	0	2	0	7513	2	0	0	7629	4	53	28	2	0	2	2	0	2	0	7391	2	0	0	7506	4	48	26	2	0	2	2	0	2	0
2-8-aDozer D9T	1	0	1	1	0	1	0	3964	1	0	0	4025	3	32	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	29	17	1	0	1	1	0	1	0
2-8-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	1	7	2	0	0	0	0	0	0	0	701	0	0	0	712	1	7	2	0	0	0	0	0	0	0
2-8-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	1	1	0	0	0	0	0	0	0	382	0	0	0	388	0	1	1	0	0	0	0	0	0	0
2-8-a825 Compactors	1	0	1	1	0	1	0	3964	1	0	0	4025	3	32	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	29	17	1	0	1	1	0	1	0
2-8-aOff Highway Dump Truck Cat 770	1	0	1	1	0	1	0	3164	1	0	0	3214	2	17	10	1	0	1	1	0	1	0	3112	1	0	0	3161	2	15	9	1	0	1	1	0	1	0
2-8-aWheel Loader 986 H	1	0	1	1	0	1	0	2529	1	0	0	2569	2	17	9	1	0	1	1	0	1	0	2490	1	0	0	2529	2	16	9	1	0	1	1	0	1	0
2-8-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1021	0	0	0	1037	1	8	8	1	0	1	0	0	0	0	1004	0	0	0	1020	1	7	7	0	0	0	0	0	0	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	13	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	11	6	0	0	0	0	0	0	0
2-8-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	1214	0	0	0	1233	0	4	3	0	0	0	0	0	0	0	1192	0	0	0	1211	0	4	3	0	0	0	0	0	0	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	0	1	1	0	1	0	6972	0	0	0	7026	3	26	13	1	0	1	1	0	1	0	6972	0	0	0	7026	2	23	12	1	0	1	1	0	1	0
2-8-dAP 600 D Cat Asphalt Paver	1	0	1	1	0	1	0	1566	0	0	0	1590	1	10	10	1	0	1	0	0	0	0	1541	0	0	0	1565	1	9	10	0	0	0	0	0	0	0
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	0	1	1	0	1	0	6972	0	0	0	7026	3	26	13	1	0	1	1	0	1	0	6972	0	0	0	7026	2	23	12	1	0	1	1	0	1	0
2-8-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	703	0	0	0	714	1	6	4	0	0	0	0	0	0	0	692	0	0	0	703	0	6	4	0	0	0	0	0	0	0

Construction - Unmitigated

Daily Construction- Equipment

Phase/Equipment	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX
						Pounds per day															Pounds per day																
						2021															2022																
5-1-aScrapers Cat 657G	7225	2	0	0	7340	4	44	25	2	0	2	1	0	1	0	7225	2	0	0	7340	3	38	23	1	0	1	1	0	1	0	7217	2	0	0	7332	3	37
5-1-aDozer D9T	2545	1	0	0	2585	2	18	11	1	0	1	1	0	1	0	2541	1	0	0	2581	1	15	10	1	0	1	1	0	1	0	2540	1	0	0	2580	1	13
5-1-aExcavator 374 FL	748	0	0	0	759	0	2	2	0	0	0	0	0	0	0	746	0	0	0	758	0	2	2	0	0	0	0	0	0	0	747	0	0	0	758	0	1
5-1-a825 Compactors	2545	1	0	0	2585	2	18	11	1	0	1	1	0	1	0	2541	1	0	0	2581	1	15	10	1	0	1	1	0	1	0	2540	1	0	0	2580	1	13
5-1-cJohn Deere 410K TC Backhoe Loader	982	0	0	0	998	1	6	7	0	0	0	0	0	0	0	982	0	0	0	998	1	5	7	0	0	0	0	0	0	0	984	0	0	0	999	0	5
5-1-cAuger Cast Caissons Drill Rig	2333	1	0	0	2370	1	6	5	0	0	0	0	0	0	0	2348	1	0	0	2386	1	5	5	0	0	0	0	0	0	0	2335	1	0	0	2372	1	4
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6
5-1-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	1	7	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	6	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	5
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	707	0	0	0	715	1	5	6	0	0	0	0	0	0	0	707	0	0	0	715	1	5	6	0	0	0	0	0	0	0	707	0	0	0	715	1	5
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	10	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	8
5-1-eLink Belt Conventional Lattice Crawler Crane	677	0	0	0	688	0	5	4	0	0	0	0	0	0	0	677	0	0	0	688	0	4	3	0	0	0	0	0	0	0	677	0	0	0	687	0	4
4-2-aScrapers Cat 657G	9633	3	0	0	9786	5	59	34	2	0	2	2	0	2	0	9634	3	0	0	9786	5	51	31	2	0	2	2	0	2	0	9623	3	0	0	9776	5	49
4-2-aDozer D9T	5089	2	0	0	5170	3	35	22	1	0	1	1	0	1	0	5081	2	0	0	5162	3	29	21	1	0	1	1	0	1	0	5080	2	0	0	5161	3	27
4-2-aCat 140M3 Grader	685	0	0	0	696	0	6	2	0	0	0	0	0	0	0	684	0	0	0	695	0	6	2	0	0	0	0	0	0	0	684	0	0	0	695	0	5
4-2-aCat 374 F L	748	0	0	0	759	0	2	2	0	0	0	0	0	0	0	746	0	0	0	758	0	2	2	0	0	0	0	0	0	0	747	0	0	0	758	0	1
4-2-a825 Compactors	5089	2	0	0	5170	3	35	22	1	0	1	1	0	1	0	5081	2	0	0	5162	3	29	21	1	0	1	1	0	1	0	5080	2	0	0	5161	3	27
4-2-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	13	9	0	0	0	0	0	0	0	3043	1	0	0	3091	1	10	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	8
4-2-aWheel Loader 986 H	2436	1	0	0	2475	1	14	8	1	0	1	0	0	0	0	2442	1	0	0	2481	1	11	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	10
4-2-bKomatsu PC360LC	2990	1	0	0	3038	1	8	7	0	0	0	0	0	0	0	2986	1	0	0	3033	1	7	7	0	0	0	0	0	0	0	2987	1	0	0	3034	1	6
4-2-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	9	8	0	0	0	0	0	0	0	3523	1	0	0	3578	1	8	8	0	0	0	0	0	0	0	3503	1	0	0	3558	1	7
4-2-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	10	12	1	0	1	1	0	1	0	1637	1	0	0	1663	1	9	12	0	0	0	0	0	0	0	1639	1	0	0	1665	1	8
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6
4-2-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	1	7	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	6	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	5
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	10	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	8
4-2-eLink Belt Conventional Lattice Crawler Crane	2709	1	0	0	2751	2	20	14	1	0	1	1	0	1	0	2708	1	0	0	2751	1	17	13	1	0	1	1	0	1	0	2706	1	0	0	2749	1	14
4-2-eLink Belt Conventional Lattice Crawler Crane	2709	1	0	0	2751	2	20	14	1	0	1	1	0	1	0	2708	1	0	0	2751	1	17	13	1	0	1	1	0	1	0	2706	1	0	0	2749	1	14
4-3-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	10	12	1	0	1	1	0	1	0	1637	1	0	0	1663	1	9	12	0	0	0	0	0	0	0	1639	1	0	0	1665	1	8
4-3-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	9	8	0	0	0	0	0	0	0	3523	1	0	0	3578	1	8	8	0	0	0	0	0	0	0	3503	1	0	0	3558	1	7
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	10	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	8
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6
4-3-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	1	7	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	6	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	5
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	10	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	8
4-3-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	1	10	7	0	0	0	0	0	0	0	1354	0	0	0	1375	1	8	6	0	0	0	0	0	0	0	1353	0	0	0	1375	1	7
4-4-aScrapers Cat 657G	7225	2	0	0	7340	4	44	25	2	0	2	1	0	1	0	7225	2	0	0	7340	3	38	23	1	0	1	1	0	1	0	7217	2	0	0	7332	3	37
4-4-aDozer D9T	3817	1	0	0	3877	2	26	16	1	0	1	1	0	1	0	3811	1	0	0	3871	2	22	15	1	0	1	1	0	1	0	3810	1	0	0	3871	2	20
4-4-aCat 140M3 Grader	343	0	0	0	348	0	3	1	0	0	0	0	0	0	0	342	0	0	0	347	0	3	1	0	0	0	0	0	0	0	342	0	0	0	347	0	2
4-4-aCat 374 F L	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1
4-4-a825 Compactors	2545	1	0	0	2585	2	18	11	1	0	1	1	0	1	0	2541	1	0	0	2581	1	15	10	1	0	1	1	0	1	0	2540	1	0	0	2580	1	13
4-4-aOff Highway Dump Truck Cat 770	1522	0	0	0	1546	1	6	4	0	0	0	0	0	0	0	1521	0	0	0	1546	1	5	4	0	0	0	0	0	0	0	1522	0	0	0	1546	1	4
4-4-aWheel Loader 986 H	1218	0	0	0	1238	1	7	4	0	0	0	0	0	0	0	1221	0	0	0	1241	1	6	4	0	0	0	0	0	0	0	1222	0	0	0	1241	1	5
4-4-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	10	12	1	0	1	1	0	1	0	1637	1	0	0	1663	1	9	12	0	0	0	0	0	0	0	1639	1	0	0	1665	1	8
4-4-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	9	8	0	0	0	0	0	0	0	3523	1	0	0	3578	1	8	8	0	0	0	0	0	0	0	3503	1	0	0	3558	1	7
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	10	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	8
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6
4-4-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	1	7	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	6	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	5
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	10	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	8
4-4-eLink Belt Conventional Lattice Crawler Crane	2031	1	0	0	2064	1	15	11	1	0	1	1	0	1	0	2031	1	0	0	2063	1	12	10	1	0	1	0	0	0	0	2030	1	0	0	2062	1	11
3-2-dirtScrapers Cat 657	9633	3	0	0	9786	5	59	34	2	0	2	2	0	2	0	9634	3	0	0	9786	5	51	31	2	0	2	2	0	2	0	9623	3	0	0	9776	5	49
3-2-dirtDozer D9T	5089	2	0	0	5170	3	35	22	1	0	1	1	0	1	0	5081	2	0	0	5162	3	29	21	1	0	1	1	0	1	0	5080	2	0	0	5161	3	27
3-2-aScrapers Cat 657	4817	2	0	0	4893	3	29	17	1	0	1	1	0	1	0	4817	2	0	0	4893	2	25	15	1	0	1	1	0	1	0	4812	2	0	0	4888	2	24
3-2-aDozer D9T	2545	1	0	0	2585	2	18	11	1	0	1	1	0	1	0	2541	1	0	0	2581	1	15	10	1	0	1	1	0	1	0	2540	1	0	0	2580	1	13
3-2-aCat 140M3 Grader	685	0	0	0	696	0	6	2	0	0	0	0	0	0	0	684	0	0	0	695	0	6	2	0	0	0	0	0	0	0	684	0	0	0	695	0	5
3-2-aCat 374 F L	748	0	0	0	759	0	2	2	0	0	0	0	0	0	0	746	0	0	0	758	0	2	2	0	0	0	0	0	0	0	747	0	0	0	758	0	1
3-2-a825 Compactors	2545	1	0	0	2585	2	18	11	1	0	1	1	0	1	0	2541	1	0	0	2581	1	15	10	1	0	1	1	0	1	0	2540	1	0	0	2580	1	13
3-2-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	13	9	0	0	0	0	0	0	0	3043	1	0	0	3091	1	10	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	8
3-2-aWheel Loader 986 H	2436	1	0	0	2475	1	14	8	1	0	1	0	0	0	0	2442	1	0	0	2481	1	11	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	10
3-5-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	10	12	1	0	1	1	0	1	0	1637	1	0	0	1663	1	9	12	0	0	0	0	0	0	0	1639	1	0	0	1665	1	8
3-5-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	9	8	0	0	0	0	0	0	0	3523	1	0	0	3578	1	8	8	0	0	0	0	0	0	0	3503	1	0	0	3558	1	7
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	10	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	8
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6
3-5-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	1	7	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	6	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	5
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	2	19	12	1	0	1	1	0	1	0	6972	0	0	0	7025	2	17	12	1	0	1	1	0	1	0	6972	0	0	0	7025	2	15
3-5-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	1	10	7	0	0	0	0	0	0	0	1354	0	0	0	1375	1	8	6	0	0	0	0	0	0	0	1353	0	0	0	1375	1	7
1-6-aScrapers Cat 657	7225	2	0	0	7340	4	44	25	2	0	2	1	0	1	0	7225	2	0	0	7340	3	38	23	1	0	1	1	0	1	0	7217	2	0	0	7332	3	37
1-6-aDozer D9T	3817	1	0	0	3877	2	26	16	1	0	1	1	0	1	0	3811	1	0	0	3871	2	22	15	1	0	1	1	0	1	0	3810	1	0	0	3871	2	20
1-6-aCat 140M3 Grader	685	0	0	0	696	0	6	2	0	0	0	0	0	0	0	684	0	0	0	695	0	6	2	0	0	0	0	0	0	0	684	0	0	0	695	0	5
1-6-aCat 374 F L	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1
1-6-a825 Compactors	3817	1	0	0	3877	2	26	16	1	0	1	1	0	1	0	3811	1	0	0	3871	2	22	15	1	0	1	1	0	1	0	3810	1	0	0	3871	2	20
1-6-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	13	9	0	0	0	0	0	0	0	3043	1	0	0	3091	1	10	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	8
1-6-aWheel Loader 986 H	2436	1	0	0	2475	1	14	8	1	0	1	0	0	0	0	2442	1	0	0	2481	1	11	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	10
1-6-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	10	12	1	0	1	1	0	1	0	1637	1	0	0	1663	1	9	12	0	0	0	0	0	0	0	1639	1	0	0	1665	1	8
1-6-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	9	8	0	0	0	0	0	0	0	3523	1	0	0	3578	1	8	8	0	0	0	0	0	0	0	3503	1	0	0	3558	1	7
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	10	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	8
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6
1-6-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	1	7	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	6	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	5
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	2	19	12	1	0	1	1	0	1	0	6972	0	0	0	7025	2	17	12	1	0	1	1	0	1	0	6972	0	0	0	7025	2	15
1-6-eLink Belt Conventional Lattice Crawler Crane	2031	1	0	0	2064	1	15	11	1	0	1	1	0	1	0	2031	1	0	0	2063	1	12	10	1	0	1	0	0	0	0	2030	1	0	0	2062	1	11
1-6-eLink Belt Conventional Lattice Crawler Crane	2031	1	0	0	2064	1	15	11	1	0	1	1	0	1	0	2031	1	0	0	2063	1	12	10	1	0	1	0	0	0	0	2030	1	0	0	2062	1	11
2-7-aScrapers Cat 657	7225	2	0	0	7340	4	44	25	2	0	2	1	0	1	0	7225	2	0	0	7340	3	38	23	1	0	1	1	0	1	0	7217	2	0	0	7332	3	37
2-7-aDozer D9T	3817	1	0	0	3877	2	26	16	1	0	1	1	0	1	0	3811	1	0	0	3871	2	22	15	1	0	1	1	0	1	0	3810	1	0	0	3871	2	20
2-7-aCat 140M3 Grader	685	0	0	0	696	0	6	2	0	0	0	0	0	0	0	684	0	0	0	695	0	6	2	0	0	0	0	0	0	0	684	0	0	0	695	0	5
2-7-aCat 374 F L	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1
2-7-a825 Compactors	3817	1	0	0	3877	2	26	16	1	0	1	1	0	1	0	3811	1	0	0	3871	2	22	15	1	0	1	1	0	1	0	3810	1	0	0	3871	2	20
2-7-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	13	9	0	0	0	0	0	0	0	3043	1	0	0	3091	1	10	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	8
2-7-aWheel Loader 986 H	2436	1	0	0	2475	1	14	8	1	0	1	0	0	0	0	2442	1	0	0	2481	1	11	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	10
2-7-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	10	12	1	0	1	1	0	1	0	1637	1	0	0	1663	1	9	12	0	0	0	0	0	0	0	1639	1	0	0	1665	1	8
2-7-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	9	8	0	0	0	0	0	0	0	3523	1	0	0	3578	1	8	8	0	0	0	0	0	0	0	3503	1	0	0	3558	1	7
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	10	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	8
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	6
2-7-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	1	7	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	6	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	5
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	10	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	8
2-7-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	1	10	7	0	0	0	0	0	0	0	1354	0	0	0	1375	1	8	6	0	0	0	0	0	0	0	1353	0	0	0	1375	1	7
2-7-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	1	10	7	0	0	0	0	0	0	0	1354	0	0	0	1375	1	8	6	0	0	0	0	0	0	0	1353	0	0	0	1375	1	7
2-8-aScrapers Cat 657	7225	2	0	0	7340	4	44	25	2	0	2	1	0	1	0	7225	2	0	0	7340	3	38	23	1	0	1	1	0	1	0	7217	2	0	0	7332	3	37
2-8-aDozer D9T	3817	1	0	0	3877	2	26	16	1	0	1	1	0	1	0	3811	1	0	0	3871	2	22	15	1	0	1	1	0	1	0	3810	1	0	0	3871	2	20
2-8-aCat 140M3 Grader	685	0	0	0	696	0	6	2	0	0	0	0	0	0	0	684	0	0	0	695	0	6	2	0	0	0	0	0	0	0	684	0	0	0	695	0	5
2-8-aCat 374 F L	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1
2-8-a825 Compactors	3817	1	0	0	3877	2	26	16	1	0	1	1	0	1	0	3811	1	0	0	3871	2	22	15	1	0	1	1	0	1	0	3810	1	0	0	3871	2	20
2-8-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	13	9	0	0	0	0	0	0	0	3043	1	0	0	3091	1	10	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	8
2-8-aWheel Loader 986 H	2436	1	0	0	2475	1	14	8	1	0	1	0	0	0	0	2442	1	0	0	2481	1	11	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	10
2-8-cJohn Deere 410K TC Backhoe Loader	982	0	0	0	998	1	6	7	0	0	0	0	0	0	0	982	0	0	0	998	1	5	7	0	0	0	0	0	0	0	984	0	0	0	999	0	5
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	10	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	8
2-8-cAuger Cast Caissons Drill Rig	1167	0	0	0	1185	0	3	3	0	0	0	0	0	0	0	1174	0	0	0	1193	0	3	3	0	0	0	0	0	0	0	1168	0	0	0	1186	0	2
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	2	19	12	1	0	1	1	0	1	0	6972	0	0	0	7025	2	17	12	1	0	1	1	0	1	0	6972	0	0	0	7025	2	15
2-8-dAP 600 D Cat Asphalt Paver	1507	0	0	0	1531	1	9	10	0	0	0	0	0	0	0	1506	0	0	0	1530	1	7	10	0	0	0	0	0	0	0	1507	0	0	0	1531	1	6
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	2	19	12	1	0	1	1	0	1	0	6972	0	0	0	7025	2	17	12	1	0	1	1	0	1	0	6972	0	0	0	7025	2	15
2-8-eLink Belt Conventional Lattice Crawler Crane	677	0	0	0	688	0	5	4	0	0	0	0	0	0	0	677	0	0	0	688	0	4	3	0	0	0	0	0	0	0	677	0	0	0	687	0	4

Construction - Unmitigated

Daily Construction- Equipment

Phase/Equipment	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T
	Pounds per day													Pounds per day															Pounds per day								
	2023													2024															2025								
5-1-aScrapers Cat 657G	23	1	0	1	1	0	1	0	7218	2	0	0	7332	3	33	22	1	0	1	1	0	1	0	7220	2	0	0	7334	3	26	20	1	0	1	1	0	1
5-1-aDozer D9T	10	1	0	1	1	0	1	0	2541	1	0	0	2582	1	12	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0
5-1-aExcavator 374 FL	2	0	0	0	0	0	0	0	747	0	0	0	759	0	1	2	0	0	0	0	0	0	0	747	0	0	0	758	0	1	2	0	0	0	0	0	0
5-1-a825 Compactors	10	1	0	1	1	0	1	0	2541	1	0	0	2582	1	12	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0
5-1-cJohn Deere 410K TC Backhoe Loader	7	0	0	0	0	0	0	0	985	0	0	0	1000	0	5	7	0	0	0	0	0	0	0	985	0	0	0	1001	0	4	7	0	0	0	0	0	0
5-1-cAuger Cast Caissons Drill Rig	5	0	0	0	0	0	0	0	2320	1	0	0	2356	1	4	5	0	0	0	0	0	0	0	2322	1	0	0	2358	1	4	5	0	0	0	0	0	0
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	5	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0
5-1-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	5	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	6	0	0	0	0	0	0	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	7	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0
5-1-eLink Belt Conventional Lattice Crawler Crane	3	0	0	0	0	0	0	0	677	0	0	0	687	0	3	3	0	0	0	0	0	0	0	676	0	0	0	687	0	3	3	0	0	0	0	0	0
4-2-aScrapers Cat 657G	31	2	0	2	2	0	2	0	9624	3	0	0	9776	4	45	30	2	0	2	2	0	2	0	9626	3	0	0	9779	4	35	27	1	0	1	1	0	1
4-2-aDozer D9T	20	1	0	1	1	0	1	0	5083	2	0	0	5163	2	24	19	1	0	1	1	0	1	0	5076	2	0	0	5157	2	21	18	1	0	1	1	0	1
4-2-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	4	2	0	0	0	0	0	0	0	683	0	0	0	694	0	4	2	0	0	0	0	0	0
4-2-aCat 374 F L	2	0	0	0	0	0	0	0	747	0	0	0	759	0	1	2	0	0	0	0	0	0	0	747	0	0	0	758	0	1	2	0	0	0	0	0	0
4-2-a825 Compactors	20	1	0	1	1	0	1	0	5083	2	0	0	5163	2	24	19	1	0	1	1	0	1	0	5076	2	0	0	5157	2	21	18	1	0	1	1	0	1
4-2-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	8	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	7	8	0	0	0	0	0	0
4-2-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	9	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	7	7	0	0	0	0	0	0
4-2-bKomatsu PC360LC	7	0	0	0	0	0	0	0	2988	1	0	0	3035	1	5	7	0	0	0	0	0	0	0	2987	1	0	0	3034	1	5	7	0	0	0	0	0	0
4-2-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	1	6	7	0	0	0	0	0	0	0	3483	1	0	0	3538	1	6	7	0	0	0	0	0	0
4-2-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	1	8	12	0	0	0	0	0	0	0	1642	1	0	0	1668	1	7	12	0	0	0	0	0	0
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	5	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0
4-2-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	5	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	7	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	12	1	0	1	1	0	1	0	2707	1	0	0	2750	1	14	11	1	0	1	1	0	1	0	2706	1	0	0	2749	1	12	11	1	0	1	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	12	1	0	1	1	0	1	0	2707	1	0	0	2750	1	14	11	1	0	1	1	0	1	0	2706	1	0	0	2749	1	12	11	1	0	1	0	0	0
4-3-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	1	8	12	0	0	0	0	0	0	0	1642	1	0	0	1668	1	7	12	0	0	0	0	0	0
4-3-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	1	6	7	0	0	0	0	0	0	0	3483	1	0	0	3538	1	6	7	0	0	0	0	0	0
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	7	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	5	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0
4-3-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	5	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	7	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0
4-3-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	1	7	6	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0
4-4-aScrapers Cat 657G	23	1	0	1	1	0	1	0	7218	2	0	0	7332	3	33	22	1	0	1	1	0	1	0	7220	2	0	0	7334	3	26	20	1	0	1	1	0	1
4-4-aDozer D9T	15	1	0	1	1	0	1	0	3812	1	0	0	3872	2	18	14	1	0	1	1	0	1	0	3807	1	0	0	3868	2	15	14	1	0	1	1	0	1
4-4-aCat 140M3 Grader	1	0	0	0	0	0	0	0	342	0	0	0	347	0	2	1	0	0	0	0	0	0	0	341	0	0	0	347	0	2	1	0	0	0	0	0	0
4-4-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0
4-4-a825 Compactors	10	1	0	1	1	0	1	0	2541	1	0	0	2582	1	12	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0
4-4-aOff Highway Dump Truck Cat 770	4	0	0	0	0	0	0	0	1523	1	0	0	1547	1	4	4	0	0	0	0	0	0	0	1524	1	0	0	1548	1	3	4	0	0	0	0	0	0
4-4-aWheel Loader 986 H	4	0	0	0	0	0	0	0	1223	0	0	0	1242	1	4	4	0	0	0	0	0	0	0	1223	0	0	0	1242	1	4	3	0	0	0	0	0	0
4-4-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	1	8	12	0	0	0	0	0	0	0	1642	1	0	0	1668	1	7	12	0	0	0	0	0	0
4-4-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	1	6	7	0	0	0	0	0	0	0	3483	1	0	0	3538	1	6	7	0	0	0	0	0	0
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	7	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	5	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0
4-4-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	5	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	7	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0
4-4-eLink Belt Conventional Lattice Crawler Crane	9	0	0	0	0	0	0	0	2030	1	0	0	2062	1	10	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0
3-2-dirtScrapers Cat 657	31	2	0	2	2	0	2	0	9624	3	0	0	9776	4	45	30	2	0	2	2	0	2	0	9626	3	0	0	9779	4	35	27	1	0	1	1	0	1
3-2-dirtDozer D9T	20	1	0	1	1	0	1	0	5083	2	0	0	5163	2	24	19	1	0	1	1	0	1	0	5076	2	0	0	5157	2	21	18	1	0	1	1	0	1
3-2-aScrapers Cat 657	15	1	0	1	1	0	1	0	4812	2	0	0	4888	2	22	15	1	0	1	1	0	1	0	4813	2	0	0	4889	2	17	14	1	0	1	1	0	1
3-2-aDozer D9T	10	1	0	1	1	0	1	0	2541	1	0	0	2582	1	12	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0
3-2-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	4	2	0	0	0	0	0	0	0	683	0	0	0	694	0	4	2	0	0	0	0	0	0
3-2-aCat 374 F L	2	0	0	0	0	0	0	0	747	0	0	0	759	0	1	2	0	0	0	0	0	0	0	747	0	0	0	758	0	1	2	0	0	0	0	0	0
3-2-a825 Compactors	10	1	0	1	1	0	1	0	2541	1	0	0	2582	1	12	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0
3-2-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	8	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	7	8	0	0	0	0	0	0
3-2-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	9	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	7	7	0	0	0	0	0	0
3-5-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	1	8	12	0	0	0	0	0	0	0	1642	1	0	0	1668	1	7	12	0	0	0	0	0	0
3-5-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	1	6	7	0	0	0	0	0	0	0	3483	1	0	0	3538	1	6	7	0	0	0	0	0	0
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	7	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	5	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0
3-5-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	5	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	2	13	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0
3-5-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	1	7	6	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0
1-6-aScrapers Cat 657	23	1	0	1	1	0	1	0	7218	2	0	0	7332	3	33	22	1	0	1	1	0	1	0	7220	2	0	0	7334	3	26	20	1	0	1	1	0	1
1-6-aDozer D9T	15	1	0	1	1	0	1	0	3812	1	0	0	3872	2	18	14	1	0	1	1	0	1	0	3807	1	0	0	3868	2	15	14	1	0	1	1	0	1
1-6-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	4	2	0	0	0	0	0	0	0	683	0	0	0	694	0	4	2	0	0	0	0	0	0
1-6-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0
1-6-a825 Compactors	15	1	0	1	1	0	1	0	3812	1	0	0	3872	2	18	14	1	0	1	1	0	1	0	3807	1	0	0	3868	2	15	14	1	0	1	1	0	1
1-6-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	8	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	7	8	0	0	0	0	0	0
1-6-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	9	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	7	7	0	0	0	0	0	0
1-6-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	1	8	12	0	0	0	0	0	0	0	1642	1	0	0	1668	1	7	12	0	0	0	0	0	0
1-6-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	1	6	7	0	0	0	0	0	0	0	3483	1	0	0	3538	1	6	7	0	0	0	0	0	0
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	7	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	5	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0
1-6-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	5	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	2	13	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	9	0	0	0	0	0	0	0	2030	1	0	0	2062	1	10	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	9	0	0	0	0	0	0	0	2030	1	0	0	2062	1	10	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0
2-7-aScrapers Cat 657	23	1	0	1	1	0	1	0	7218	2	0	0	7332	3	33	22	1	0	1	1	0	1	0	7220	2	0	0	7334	3	26	20	1	0	1	1	0	1
2-7-aDozer D9T	15	1	0	1	1	0	1	0	3812	1	0	0	3872	2	18	14	1	0	1	1	0	1	0	3807	1	0	0	3868	2	15	14	1	0	1	1	0	1
2-7-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	4	2	0	0	0	0	0	0	0	683	0	0	0	694	0	4	2	0	0	0	0	0	0
2-7-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0
2-7-a825 Compactors	15	1	0	1	1	0	1	0	3812	1	0	0	3872	2	18	14	1	0	1	1	0	1	0	3807	1	0	0	3868	2	15	14	1	0	1	1	0	1
2-7-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	8	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	7	8	0	0	0	0	0	0
2-7-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	9	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	7	7	0	0	0	0	0	0
2-7-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	1	8	12	0	0	0	0	0	0	0	1642	1	0	0	1668	1	7	12	0	0	0	0	0	0
2-7-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	1	6	7	0	0	0	0	0	0	0	3483	1	0	0	3538	1	6	7	0	0	0	0	0	0
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	7	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	5	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0
2-7-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	5	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	7	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	1	7	6	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	1	7	6	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0
2-8-aScrapers Cat 657	23	1	0	1	1	0	1	0	7218	2	0	0	7332	3	33	22	1	0	1	1	0	1	0	7220	2	0	0	7334	3	26	20	1	0	1	1	0	1
2-8-aDozer D9T	15	1	0	1	1	0	1	0	3812	1	0	0	3872	2	18	14	1	0	1	1	0	1	0	3807	1	0	0	3868	2	15	14	1	0	1	1	0	1
2-8-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	4	2	0	0	0	0	0	0	0	683	0	0	0	694	0	4	2	0	0	0	0	0	0
2-8-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	1	1	0	0	0	0	0	0
2-8-a825 Compactors	15	1	0	1	1	0	1	0	3812	1	0	0	3872	2	18	14	1	0	1	1	0	1	0	3807	1	0	0	3868	2	15	14	1	0	1	1	0	1
2-8-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	8	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	7	8	0	0	0	0	0	0
2-8-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	9	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	7	7	0	0	0	0	0	0
2-8-cJohn Deere 410K TC Backhoe Loader	7	0	0	0	0	0	0	0	985	0	0	0	1000	0	5	7	0	0	0	0	0	0	0	985	0	0	0	1001	0	4	7	0	0	0	0	0	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	7	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0
2-8-cAuger Cast Caissons Drill Rig	2	0	0	0	0	0	0	0	1160	0	0	0	1178	0	2	2	0	0	0	0	0	0	0	1161	0	0	0	1179	0	2	2	0	0	0	0	0	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	2	13	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0
2-8-dAP 600 D Cat Asphalt Paver	10	0	0	0	0	0	0	0	1507	0	0	0	1530	1	6	10	0	0	0	0	0	0	0	1506	0	0	0	1530	1	5	10	0	0	0	0	0	0
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	2	13	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0
2-8-eLink Belt Conventional Lattice Crawler Crane	3	0	0	0	0	0	0	0	677	0	0	0	687	0	3	3	0	0	0	0	0	0	0	676	0	0	0	687	0	3	3	0	0	0	0	0	0

Construction - Unmitigated

Daily Construction- Equipment

Phase/Equipment							Pounds per day																Pounds per day																
							2026																2027																
Phase/Equipment	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG
5-1-aScrapers Cat 657G	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3
5-1-aDozer D9T	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
5-1-aExcavator 374 FL	0	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0
5-1-a825 Compactors	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
5-1-cJohn Deere 410K TC Backhoe Loader	0	986	0	0	0	1002	0	4	7	0	0	0	0	0	0	0	986	0	0	0	1002	0	4	7	0	0	0	0	0	0	0	986	0	0	0	1002	0
5-1-cAuger Cast Caissons Drill Rig	0	2336	1	0	0	2373	1	4	5	0	0	0	0	0	0	0	2336	1	0	0	2373	1	4	5	0	0	0	0	0	0	0	2336	1	0	0	2373	1
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1
5-1-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714	1
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1
5-1-eLink Belt Conventional Lattice Crawler Crane	0	676	0	0	0	687	0	3	3	0	0	0	0	0	0	0	676	0	0	0	687	0	3	3	0	0	0	0	0	0	0	676	0	0	0	687	0
4-2-aScrapers Cat 657G	0	9640	3	0	0	9793	4	35	27	1	0	1	1	0	1	0	9640	3	0	0	9793	4	35	27	1	0	1	1	0	1	0	9640	3	0	0	9793	4
4-2-aDozer D9T	0	5076	2	0	0	5156	2	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	2	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	2
4-2-aCat 140M3 Grader	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0
4-2-aCat 374 F L	0	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0
4-2-a825 Compactors	0	5076	2	0	0	5156	2	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	2	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	2
4-2-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
4-2-aWheel Loader 986 H	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
4-2-bKomatsu PC360LC	0	2990	1	0	0	3038	1	5	7	0	0	0	0	0	0	0	2990	1	0	0	3038	1	5	7	0	0	0	0	0	0	0	2990	1	0	0	3038	1
4-2-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1
4-2-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1
4-2-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1
4-2-eLink Belt Conventional Lattice Crawler Crane	0	2705	1	0	0	2748	1	12	11	1	0	1	0	0	0	0	2705	1	0	0	2748	1	12	11	1	0	1	0	0	0	0	2705	1	0	0	2748	1
4-2-eLink Belt Conventional Lattice Crawler Crane	0	2705	1	0	0	2748	1	12	11	1	0	1	0	0	0	0	2705	1	0	0	2748	1	12	11	1	0	1	0	0	0	0	2705	1	0	0	2748	1
4-3-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1
4-3-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1
4-3-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1
4-3-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1
4-4-aScrapers Cat 657G	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3
4-4-aDozer D9T	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2
4-4-aCat 140M3 Grader	0	341	0	0	0	347	0	2	1	0	0	0	0	0	0	0	341	0	0	0	347	0	2	1	0	0	0	0	0	0	0	341	0	0	0	347	0
4-4-aCat 374 F L	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0
4-4-a825 Compactors	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
4-4-aOff Highway Dump Truck Cat 770	0	1523	0	0	0	1547	1	3	4	0	0	0	0	0	0	0	1523	0	0	0	1547	1	3	4	0	0	0	0	0	0	0	1523	0	0	0	1547	1
4-4-aWheel Loader 986 H	0	1224	0	0	0	1244	1	4	3	0	0	0	0	0	0	0	1224	0	0	0	1244	1	4	3	0	0	0	0	0	0	0	1224	0	0	0	1244	1
4-4-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1
4-4-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1
4-4-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1
4-4-eLink Belt Conventional Lattice Crawler Crane	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1
3-2-dirtScrapers Cat 657	0	9640	3	0	0	9793	4	35	27	1	0	1	1	0	1	0	9640	3	0	0	9793	4	35	27	1	0	1	1	0	1	0	9640	3	0	0	9793	4
3-2-dirtDozer D9T	0	5076	2	0	0	5156	2	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	2	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	2
3-2-aScrapers Cat 657	0	4820	2	0	0	4897	2	17	14	1	0	1	1	0	1	0	4820	2	0	0	4897	2	17	14	1	0	1	1	0	1	0	4820	2	0	0	4897	2
3-2-aDozer D9T	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
3-2-aCat 140M3 Grader	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0
3-2-aCat 374 F L	0	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0
3-2-a825 Compactors	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
3-2-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
3-2-aWheel Loader 986 H	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
3-5-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1
3-5-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1
3-5-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2
3-5-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1
1-6-aScrapers Cat 657	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3
1-6-aDozer D9T	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2
1-6-aCat 140M3 Grader	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0
1-6-aCat 374 F L	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0
1-6-a825 Compactors	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2
1-6-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
1-6-aWheel Loader 986 H	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
1-6-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1
1-6-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1
1-6-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2
1-6-eLink Belt Conventional Lattice Crawler Crane	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1
1-6-eLink Belt Conventional Lattice Crawler Crane	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1
2-7-aScrapers Cat 657	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3
2-7-aDozer D9T	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2
2-7-aCat 140M3 Grader	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0
2-7-aCat 374 F L	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0
2-7-a825 Compactors	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2
2-7-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
2-7-aWheel Loader 986 H	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
2-7-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1
2-7-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1
2-7-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1
2-8-aScrapers Cat 657	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3
2-8-aDozer D9T	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2
2-8-aCat 140M3 Grader	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0
2-8-aCat 374 F L	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0
2-8-a825 Compactors	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2
2-8-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
2-8-aWheel Loader 986 H	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
2-8-cJohn Deere 410K TC Backhoe Loader	0	986	0	0	0	1002	0	4	7	0	0	0	0	0	0	0	986	0	0	0	1002	0	4	7	0	0	0	0	0	0	0	986	0	0	0	1002	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1
2-8-cAuger Cast Caissons Drill Rig	0	1168	0	0	0	1186	0	2	2	0	0	0	0	0	0	0	1168	0	0	0	1186	0	2	2	0	0	0	0	0	0	0	1168	0	0	0	1186	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2
2-8-dAP 600 D Cat Asphalt Paver	0	1506	0	0	0	1530	1	5	10	0	0	0	0	0	0	0	1506	0	0	0	1530	1	5	10	0	0	0	0	0	0	0	1506	0	0	0	1530	1
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2
2-8-eLink Belt Conventional Lattice Crawler Crane	0	676	0	0	0	687	0	3	3	0	0	0	0	0	0	0	676	0	0	0	687	0	3	3	0	0	0	0	0	0	0	676	0	0	0	687	0

Construction - Unmitigated

Daily Construction- Equipment

Phase/Equipment	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D
	Pounds per day 2028														Pounds per day 2029															Pounds per d 2030							
5-1-aScrapers Cat 657G	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	4	16	18	1	0	1	1	0
5-1-aDozer D9T	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	5	6	0	0	0	0	0
5-1-aExcavator 374 FL	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0	1	2	0	0	0	0	0
5-1-a825 Compactors	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	5	6	0	0	0	0	0
5-1-cJohn Deere 410K TC Backhoe Loader	4	7	0	0	0	0	0	0	0	986	0	0	0	1002	0	4	7	0	0	0	0	0	0	0	986	0	0	0	1002	1	3	8	0	0	0	0	0
5-1-cAuger Cast Caissons Drill Rig	4	5	0	0	0	0	0	0	0	2336	1	0	0	2373	1	4	5	0	0	0	0	0	0	0	2336	1	0	0	2373	1	1	5	0	0	0	0	0
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	2	5	0	0	0	0	0
5-1-dAP 600 D Cat Asphalt Paver	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	4	8	0	0	0	0	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	6	0	0	0	0	0	0	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714	1	4	6	0	0	0	0	0
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	3	6	0	0	0	0	0
5-1-eLink Belt Conventional Lattice Crawler Crane	3	3	0	0	0	0	0	0	0	676	0	0	0	687	0	3	3	0	0	0	0	0	0	0	676	0	0	0	687	0	1	2	0	0	0	0	0
4-2-aScrapers Cat 657G	35	27	1	0	1	1	0	1	0	9640	3	0	0	9793	4	35	27	1	0	1	1	0	1	0	9640	3	0	0	9793	5	22	24	1	0	1	1	0
4-2-aDozer D9T	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	2	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	3	11	13	0	0	0	0	0
4-2-aCat 140M3 Grader	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	1	2	0	0	0	0	0
4-2-aCat 374 F L	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0	1	2	0	0	0	0	0
4-2-a825 Compactors	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	2	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	3	11	13	0	0	0	0	0
4-2-aOff Highway Dump Truck Cat 770	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	3	7	0	0	0	0	0
4-2-aWheel Loader 986 H	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	3	6	0	0	0	0	0
4-2-bKomatsu PC360LC	5	7	0	0	0	0	0	0	0	2990	1	0	0	3038	1	5	7	0	0	0	0	0	0	0	2990	1	0	0	3038	1	3	7	0	0	0	0	0
4-2-cAuger Cast Caissons Drill Rig	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	2	8	0	0	0	0	0
4-2-cJohn Deere 410K TC Backhoe Loader	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	6	13	0	0	0	0	0
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	2	5	0	0	0	0	0
4-2-dAP 600 D Cat Asphalt Paver	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	4	8	0	0	0	0	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	3	5	0	0	0	0	0
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	3	6	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	12	11	1	0	1	0	0	0	0	2705	1	0	0	2748	1	12	11	1	0	1	0	0	0	0	2705	1	0	0	2748	1	4	6	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	12	11	1	0	1	0	0	0	0	2705	1	0	0	2748	1	12	11	1	0	1	0	0	0	0	2705	1	0	0	2748	1	4	6	0	0	0	0	0
4-3-cJohn Deere 410K TC Backhoe Loader	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	6	13	0	0	0	0	0
4-3-cAuger Cast Caissons Drill Rig	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	2	8	0	0	0	0	0
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	3	6	0	0	0	0	0
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	2	5	0	0	0	0	0
4-3-dAP 600 D Cat Asphalt Paver	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	4	8	0	0	0	0	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	3	5	0	0	0	0	0
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	3	6	0	0	0	0	0
4-3-eLink Belt Conventional Lattice Crawler Crane	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	2	3	0	0	0	0	0
4-4-aScrapers Cat 657G	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	4	16	18	1	0	1	1	0
4-4-aDozer D9T	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	8	10	0	0	0	0	0
4-4-aCat 140M3 Grader	2	1	0	0	0	0	0	0	0	341	0	0	0	347	0	2	1	0	0	0	0	0	0	0	341	0	0	0	347	0	0	1	0	0	0	0	0
4-4-aCat 374 F L	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0
4-4-a825 Compactors	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	5	6	0	0	0	0	0
4-4-aOff Highway Dump Truck Cat 770	3	4	0	0	0	0	0	0	0	1523	0	0	0	1547	1	3	4	0	0	0	0	0	0	0	1523	0	0	0	1547	1	1	4	0	0	0	0	0
4-4-aWheel Loader 986 H	4	3	0	0	0	0	0	0	0	1224	0	0	0	1244	1	4	3	0	0	0	0	0	0	0	1224	0	0	0	1244	1	2	3	0	0	0	0	0
4-4-cJohn Deere 410K TC Backhoe Loader	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	6	13	0	0	0	0	0
4-4-cAuger Cast Caissons Drill Rig	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	2	8	0	0	0	0	0
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	3	6	0	0	0	0	0
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	2	5	0	0	0	0	0
4-4-dAP 600 D Cat Asphalt Paver	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	4	8	0	0	0	0	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	3	5	0	0	0	0	0
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	3	6	0	0	0	0	0
4-4-eLink Belt Conventional Lattice Crawler Crane	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	3	5	0	0	0	0	0
3-2-dirtScrapers Cat 657	35	27	1	0	1	1	0	1	0	9640	3	0	0	9793	4	35	27	1	0	1	1	0	1	0	9640	3	0	0	9793	5	22	24	1	0	1	1	0
3-2-dirtDozer D9T	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	2	21	18	1	0	1	1	0	1	0	5076	2	0	0	5156	3	11	13	0	0	0	0	0
3-2-aScrapers Cat 657	17	14	1	0	1	1	0	1	0	4820	2	0	0	4897	2	17	14	1	0	1	1	0	1	0	4820	2	0	0	4897	3	11	12	0	0	0	0	0
3-2-aDozer D9T	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	5	6	0	0	0	0	0
3-2-aCat 140M3 Grader	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	1	2	0	0	0	0	0
3-2-aCat 374 F L	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	748	0	0	0	759	0	1	2	0	0	0	0	0
3-2-a825 Compactors	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	10	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	5	6	0	0	0	0	0
3-2-aOff Highway Dump Truck Cat 770	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	3	7	0	0	0	0	0
3-2-aWheel Loader 986 H	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	3	6	0	0	0	0	0
3-5-cJohn Deere 410K TC Backhoe Loader	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	6	13	0	0	0	0	0
3-5-cAuger Cast Caissons Drill Rig	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	2	8	0	0	0	0	0
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	3	6	0	0	0	0	0
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	2	5	0	0	0	0	0
3-5-dAP 600 D Cat Asphalt Paver	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	4	8	0	0	0	0	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	3	5	0	0	0	0	0
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	6	12	0	0	0	0	0
3-5-eLink Belt Conventional Lattice Crawler Crane	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	2	3	0	0	0	0	0
1-6-aScrapers Cat 657	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	4	16	18	1	0	1	1	0
1-6-aDozer D9T	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	8	10	0	0	0	0	0
1-6-aCat 140M3 Grader	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	1	2	0	0	0	0	0
1-6-aCat 374 F L	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0
1-6-a825 Compactors	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	8	10	0	0	0	0	0
1-6-aOff Highway Dump Truck Cat 770	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	3	7	0	0	0	0	0
1-6-aWheel Loader 986 H	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	3	6	0	0	0	0	0
1-6-cJohn Deere 410K TC Backhoe Loader	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	6	13	0	0	0	0	0
1-6-cAuger Cast Caissons Drill Rig	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	2	8	0	0	0	0	0
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	3	6	0	0	0	0	0
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	2	5	0	0	0	0	0
1-6-dAP 600 D Cat Asphalt Paver	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	4	8	0	0	0	0	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	3	5	0	0	0	0	0
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	6	12	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	3	5	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	9	8	0	0	0	0	0	0	0	2029	1	0	0	2061	1	3	5	0	0	0	0	0
2-7-aScrapers Cat 657	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	4	16	18	1	0	1	1	0
2-7-aDozer D9T	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	8	10	0	0	0	0	0
2-7-aCat 140M3 Grader	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	1	2	0	0	0	0	0
2-7-aCat 374 F L	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0
2-7-a825 Compactors	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	8	10	0	0	0	0	0
2-7-aOff Highway Dump Truck Cat 770	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	3	7	0	0	0	0	0
2-7-aWheel Loader 986 H	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	3	6	0	0	0	0	0
2-7-cJohn Deere 410K TC Backhoe Loader	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	7	12	0	0	0	0	0	0	0	1644	1	0	0	1670	1	6	13	0	0	0	0	0
2-7-cAuger Cast Caissons Drill Rig	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	6	7	0	0	0	0	0	0	0	3504	1	0	0	3559	1	2	8	0	0	0	0	0
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	3	6	0	0	0	0	0
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	1	2	5	0	0	0	0	0
2-7-dAP 600 D Cat Asphalt Paver	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224	1	4	8	0	0	0	0	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	3	5	0	0	0	0	0
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	3	6	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	2	3	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	6	5	0	0	0	0	0	0	0	1353	0	0	0	1374	1	2	3	0	0	0	0	0
2-8-aScrapers Cat 657	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	3	26	20	1	0	1	1	0	1	0	7230	2	0	0	7345	4	16	18	1	0	1	1	0
2-8-aDozer D9T	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	8	10	0	0	0	0	0
2-8-aCat 140M3 Grader	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	4	2	0	0	0	0	0	0	0	683	0	0	0	693	0	1	2	0	0	0	0	0
2-8-aCat 374 F L	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0
2-8-a825 Compactors	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	15	14	1	0	1	1	0	1	0	3807	1	0	0	3867	2	8	10	0	0	0	0	0
2-8-aOff Highway Dump Truck Cat 770	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	7	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	3	7	0	0	0	0	0
2-8-aWheel Loader 986 H	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	7	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	3	6	0	0	0	0	0
2-8-cJohn Deere 410K TC Backhoe Loader	4	7	0	0	0	0	0	0	0	986	0	0	0	1002	0	4	7	0	0	0	0	0	0	0	986	0	0	0	1002	1	3	8	0	0	0	0	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	3	6	0	0	0	0	0
2-8-cAuger Cast Caissons Drill Rig	2	2	0	0	0	0	0	0	0	1168	0	0	0	1186	0	2	2	0	0	0	0	0	0	0	1168	0	0	0	1186	0	1	3	0	0	0	0	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	6	12	0	0	0	0	0
2-8-dAP 600 D Cat Asphalt Paver	5	10	0	0	0	0	0	0	0	1506	0	0	0	1530	1	5	10	0	0	0	0	0	0	0	1506	0	0	0	1530	1	5	11	0	0	0	0	0
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	3	5	0	0	0	0	0
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	12	12	0	0	0	0	0	0	0	6972	0	0	0	7024	2	6	12	0	0	0	0	0
2-8-eLink Belt Conventional Lattice Crawler Crane	3	3	0	0	0	0	0	0	0	676	0	0	0	687	0	3	3	0	0	0	0	0	0	0	676	0	0	0	687	0	1	2	0	0	0	0	0

Construction - Unmitigated

Daily Construction- Equipment

	ty						
Phase/Equipment	PM2.5T	SOX	CO2	CH4	N2O	Other	CO2e
5-1-aScrapersCat 657G	1	0	8703	0	0	0	8772
5-1-aDozer D9T	0	0	3043	0	0	0	3067
5-1-aExcavator 374 FL	0	0	903	0	0	0	910
5-1-a825 Compactors	0	0	3043	0	0	0	3067
5-1-cJohn Deere 410K TC Backhoe Loader	0	0	1175	0	0	0	1184
5-1-cAuger Cast Caissons Drill Rig	0	0	2841	0	0	0	2861
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
5-1-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	707	0	0	0	714
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
5-1-eLink Belt Conventional Lattice Crawler Crane	0	0	814	0	0	0	821
4-2-aScrapers Cat 657G	1	0	11604	0	0	0	11696
4-2-aDozer D9T	0	0	6086	0	0	0	6134
4-2-aCat 140M3 Grader	0	0	819	0	0	0	826
4-2-aCat 374 FL	0	0	903	0	0	0	910
4-2-a825 Compactors	0	0	6086	0	0	0	6134
4-2-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
4-2-aWheel Loader 986 H	0	0	2966	0	0	0	2989
4-2-bKomatsu PC360LC	0	0	3613	0	0	0	3641
4-2-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
4-2-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
4-2-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-2-eLink Belt Conventional Lattice Crawler Crane	0	0	3257	0	0	0	3283
4-2-eLink Belt Conventional Lattice Crawler Crane	0	0	3257	0	0	0	3283
4-3-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
4-3-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
4-3-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-3-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
4-4-aScrapers Cat 657G	1	0	8703	0	0	0	8772
4-4-aDozer D9T	0	0	4564	0	0	0	4601
4-4-aCat 140M3 Grader	0	0	410	0	0	0	413
4-4-aCat 374 FL	0	0	452	0	0	0	455
4-4-a825 Compactors	0	0	3043	0	0	0	3067
4-4-aOff Highway Dump Truck Cat 770	0	0	1822	0	0	0	1836
4-4-aWheel Loader 986 H	0	0	1483	0	0	0	1495
4-4-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
4-4-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
4-4-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-4-eLink Belt Conventional Lattice Crawler Crane	0	0	2443	0	0	0	2462
3-2-dirtScrapers Cat 657	1	0	11604	0	0	0	11696
3-2-dirtDozer D9T	0	0	6086	0	0	0	6134
3-2-aScrapers Cat 657	0	0	5802	0	0	0	5848
3-2-aDozer D9T	0	0	3043	0	0	0	3067
3-2-aCat 140M3 Grader	0	0	819	0	0	0	826
3-2-aCat 374 FL	0	0	903	0	0	0	910
3-2-a825 Compactors	0	0	3043	0	0	0	3067
3-2-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
3-2-aWheel Loader 986 H	0	0	2966	0	0	0	2989
3-5-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
3-5-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
3-5-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
3-5-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
1-6-aScrapers Cat 657	1	0	8703	0	0	0	8772
1-6-aDozer D9T	0	0	4564	0	0	0	4601
1-6-aCat 140M3 Grader	0	0	819	0	0	0	826
1-6-aCat 374 FL	0	0	452	0	0	0	455
1-6-a825 Compactors	0	0	4564	0	0	0	4601
1-6-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
1-6-aWheel Loader 986 H	0	0	2966	0	0	0	2989
1-6-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
1-6-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
1-6-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
1-6-eLink Belt Conventional Lattice Crawler Crane	0	0	2443	0	0	0	2462
1-6-eLink Belt Conventional Lattice Crawler Crane	0	0	2443	0	0	0	2462
2-7-aScrapers Cat 657	1	0	8703	0	0	0	8772
2-7-aDozer D9T	0	0	4564	0	0	0	4601
2-7-aCat 140M3 Grader	0	0	819	0	0	0	826
2-7-aCat 374 FL	0	0	452	0	0	0	455
2-7-a825 Compactors	0	0	4564	0	0	0	4601
2-7-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
2-7-aWheel Loader 986 H	0	0	2966	0	0	0	2989
2-7-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
2-7-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
2-7-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
2-7-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
2-7-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
2-8-aScrapers Cat 657	1	0	8703	0	0	0	8772
2-8-aDozer D9T	0	0	4564	0	0	0	4601
2-8-aCat 140M3 Grader	0	0	819	0	0	0	826
2-8-aCat 374 FL	0	0	452	0	0	0	455
2-8-a825 Compactors	0	0	4564	0	0	0	4601
2-8-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
2-8-aWheel Loader 986 H	0	0	2966	0	0	0	2989
2-8-cJohn Deere 410K TC Backhoe Loader	0	0	1175	0	0	0	1184
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
2-8-cAuger Cast Caissons Drill Rig	0	0	1420	0	0	0	1431
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
2-8-dAP 600 D Cat Asphalt Paver	0	0	1811	0	0	0	1826
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
2-8-eLink Belt Conventional Lattice Crawler Crane	0	0	814	0	0	0	821

Construction - Unmitigated

Equipment Emission Calcs

											Pounds per day														Gal/Day	Pounds per day														Gal/Day	
											2017															2018															
Parcel	Phase	Activity	Sch Code	lookup for daily	#/day	Hrs/day/Eq	HP Look	HP	LF	Days	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG
5	1	a	5-1-a	5-1-aScrapers Cat 657G	3	8	750	600	0.48	56	4.97	64.57	35.14	2.39		2.39	2.19		2.19	0.08	7637.25	2.34	0.20		339.41	4.50	57.37	30.09	2.07		2.07	1.90		1.90	0.08	7512.97	2.34	0.19		333.89	4.24
5	1	a	5-1-a	5-1-aDozer D9T	2	8	500	354	0.43	62	2.06	26.93	14.11	1.04		1.04	0.96		0.96	0.03	2690.18	0.82	0.07		119.56	1.84	23.42	12.76	0.91		0.91	0.83		0.83	0.03	2642.46	0.82	0.07		117.44	1.71
5	1	a	5-1-a	5-1-aExcavator 374 FL	1	4	500	472	0.38	20	0.32	3.99	1.91	0.13		0.13	0.12		0.12	0.01	789.73	0.24	0.02		35.10	0.28	3.26	1.81	0.11		0.11	0.10		0.10	0.01	777.47	0.24	0.02		34.55	0.26
5	1	a	5-1-a	5-1-a825 Compactors	2	8	500	354	0.43	25	2.06	26.93	14.11	1.04		1.04	0.96		0.96	0.03	2690.18	0.82	0.07		119.56	1.84	23.42	12.76	0.91		0.91	0.83		0.83	0.03	2642.46	0.82	0.07		117.44	1.71
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	3	8	120	106	0.37	26	1.03	9.94	7.82	0.75		0.75	0.69		0.69	0.01	1039.15	0.32	0.03		46.18	0.87	8.59	7.63	0.61		0.61	0.56		0.56	0.01	1021.23	0.32	0.03		45.39	0.76
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	2	8	500	282	0.50	26	0.83	11.83	5.59	0.36		0.36	0.33		0.33	0.02	2446.57	0.75	0.06		108.73	0.67	8.73	5.16	0.26		0.26	0.24		0.24	0.02	2427.72	0.76	0.06		107.89	0.65
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	20	1.10	12.02	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	10.77	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07		116.19	0.98
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	49	0.99	11.10	7.81	0.55		0.55	0.50		0.50	0.01	1272.16	0.39	0.03		56.54	0.86	9.55	7.75	0.47		0.47	0.43		0.43	0.01	1252.67	0.39	0.03		55.67	0.76
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	3	8	50	49	0.48	10	1.84	6.06	6.97	0.46		0.46	0.46		0.46	0.01	707.23	0.17	0.02		31.43	1.62	5.86	6.77	0.41		0.41	0.41		0.41	0.01	707.23	0.15	0.02		31.43	1.41
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	30	1.47	16.03	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	14.35	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09		154.92	1.31
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	159	0.59	7.50	5.08	0.30		0.30	0.28		0.28	0.01	714.21	0.22	0.02		31.74	0.53	6.64	4.57	0.27		0.27	0.25		0.25	0.01	703.40	0.22	0.02		31.26	0.50
4	2	a	4-2-a	4-2-aScrapers Cat 657G	4	8	750	600	0.48	74	6.63	86.10	46.86	3.18		3.18	2.93		2.93	0.10	10183.01	3.12	0.26		452.55	6.00	76.49	40.12	2.76		2.76	2.54		2.54	0.10	10017.29	3.12	0.26		445.19	5.65
4	2	a	4-2-a	4-2-aDozer D9T	4	8	500	354	0.43	80	4.12	53.86	28.22	2.08		2.08	1.92		1.92	0.05	5380.35	1.65	0.14		239.11	3.68	46.83	25.51	1.81		1.81	1.67		1.67	0.05	5284.92	1.64	0.14		234.87	3.41
4	2	a	4-2-a	4-2-aCat 140M3 Grader	2	4	250	200	0.41	30	0.57	7.96	2.09	0.26		0.26	0.24		0.24	0.01	726.30	0.22	0.02		32.28	0.55	7.60	2.04	0.25		0.25	0.23		0.23	0.01	714.24	0.22	0.02		31.74	0.52
4	2	a	4-2-a	4-2-aCat 374 F L	2	2	500	472	0.38	74	0.32	3.99	1.91	0.13		0.13	0.12		0.12	0.01	789.73	0.24	0.02		35.10	0.28	3.26	1.81	0.11		0.11	0.10		0.10	0.01	777.47	0.24	0.02		34.55	0.26
4	2	a	4-2-a	4-2-a825 Compactors	4	8	500	354	0.43	74	4.12	53.86	28.22	2.08		2.08	1.92		1.92	0.05	5380.35	1.65	0.14		239.11	3.68	46.83	25.51	1.81		1.81	1.67		1.67	0.05	5284.92	1.64	0.14		234.87	3.41
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	30	2.09	23.52	11.21	0.87		0.87	0.80		0.80	0.03	3215.34	0.98	0.08		142.90	1.84	19.81	10.00	0.72		0.72	0.67		0.67	0.03	3164.49	0.98	0.08		140.64	1.69
4	2	a	4-2-a	4-2-aWheel Loader 986 H	2	8	500	409	0.36	30	1.93	22.20	10.75	0.84		0.84	0.77		0.77	0.03	2569.54	0.79	0.07		114.19	1.74	19.45	9.75	0.73		0.73	0.67		0.67	0.03	2529.32	0.79	0.06		112.41	1.60
4	2	b	4-2-b	4-2-bKomatsu PC360LC	2	8	500	472	0.38	37	1.27	15.94	7.62	0.52		0.52	0.47		0.47	0.03	3158.90	0.97	0.08		140.39	1.11	13.04	7.25	0.42		0.42	0.39		0.39	0.03	3109.90	0.97	0.08		138.21	1.03
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	101	1.24	17.75	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	13.09	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09		161.84	0.97
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	101	1.72	16.56	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	1.45	14.31	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04		75.64	1.27
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	98	1.10	12.02	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	10.77	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07		116.19	0.98
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	60	0.99	11.10	7.81	0.55		0.55	0.50		0.50	0.01	1272.16	0.39	0.03		56.54	0.86	9.55	7.75	0.47		0.47	0.43		0.43	0.01	1252.67	0.39	0.03		55.67	0.76
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	10	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02		26.19	1.17
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	20	1.47	16.03	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	14.35	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09		154.92	1.31
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	4	8	500	282	0.29	190	2.35	29.99	20.33	1.22		1.22	1.12		1.12	0.03	2856.86	0.88	0.07		126.96	2.12	26.56	18.27	1.07		1.07	0.99		0.99	0.03	2813.60	0.88	0.07		125.04	2.00
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	190	0.59	7.50	5.08	0.30		0.30	0.28		0.28	0.01	714.21	0.22	0.02		31.74	0.53	6.64	4.57	0.27		0.27	0.25		0.25	0.01	703.40	0.22	0.02		31.26	0.50
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	59	1.72	16.56	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	1.45	14.31	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04		75.64	1.27
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	59	1.24	17.75	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	13.09	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09		161.84	0.97
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	59	1.47	16.03	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	14.35	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09		154.92	1.31
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	51	1.10	12.02	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	10.77	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07		116.19	0.98
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	44	0.99	11.10	7.81	0.55		0.55	0.50		0.50	0.01	1272.16	0.39	0.03		56.54	0.86	9.55	7.75	0.47		0.47	0.43		0.43	0.01	1252.67	0.39	0.03		55.67	0.76
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	11	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02		26.19	1.17
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	25	1.47	16.03	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	14.35	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09		154.92	1.31
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	2	8	500	282	0.29	200	1.18	14.99	10.17	0.61		0.61	0.56		0.56	0.01	1428.43	0.44	0.04		63.48	1.06	13.28	9.13	0.54		0.54	0.49		0.49	0.01	1406.80	0.44	0.04		62.52	1.00
4	4	a	4-4-a	4-4-aScrapers Cat 657G	3	8	750	600	0.48	25	4.97	64.57	35.14	2.39		2.39	2.19		2.19	0.08	7637.25	2.34	0.20		339.41	4.50	57.37	30.09	2.07		2.07	1.90		1.90	0.08	7512.97	2.34	0.19		333.89	4.24
4	4	a	4-4-a	4-4-aDozer D9T	3	8	500	354	0.43	30	3.09	40.39	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	35.12	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10		176.15	2.56
4	4	a	4-4-a	4-4-aCat 140M3 Grader	1	4	250	200	0.41	10	0.29	3.98	1.04	0.13		0.13	0.12		0.12	0.00	363.15	0.11	0.01		16.14	0.28	3.80	1.02	0.12		0.12	0.11		0.11	0.00	357.12	0.11	0.01		15.87	0.26
4	4	a	4-4-a	4-4-aCat 374 F L	1	2	500	472	0.38	25	0.16	1.99	0.95	0.06		0.06	0.06		0.06	0.00	394.86	0.12	0.01		17.55	0.14	1.63	0.91	0.05		0.05	0.05		0.05	0.00	388.74	0.12	0.01		17.28	0.13
4	4	a	4-4-a	4-4-a825 Compactors	2	8	500	354	0.43	25	2.06	26.93	14.11	1.04		1.04	0.96		0.96	0.03	2690.18	0.82	0.07		119.56	1.84	23.42	12.76	0.91		0.91	0.83		0.83	0.03	2642.46	0.82	0.07		117.44	1.71
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	1	8	500	476	0.38	10	1.04	11.76	5.60	0.44		0.44	0.40		0.40	0.02	1607.67	0.49	0.04		71.45	0.92	9.91	5.00	0.36		0.36	0.33		0.33	0.02	1582.24	0.49	0.04		70.32	0.84
4	4	a	4-4-a	4-4-aWheel Loader 986 H	1	8	500	409	0.36	10	0.96	11.10	5.38	0.42		0.42	0.38		0.38	0.01	1284.77	0.39	0.03		57.10	0.87	9.72	4.88	0.36		0.36	0.33		0.33	0.01	1264.66	0.39	0.03		56.20	0.80
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	58	1.72	16.56	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	1.45	14.31	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04		75.64	1.27
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	58	1.24	17.75	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	13.09	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09		161.84	0.97
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	58	1.47	16.03	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	14.35	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09		154.92	1.31
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	65	1.10	12.02	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	10.77	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07		116.19	0.98
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	33	0.99	11.10	7.81	0.55		0.55	0.50		0.50	0.01	1272.16	0.39	0.03		56.54	0.86	9.55	7.75	0.47		0.47	0.43		0.43	0.01	1252.67	0.39	0.03		55.67	0.76
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	33	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02		26.19	1.17
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	20	1.47	16.03	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	14.35	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09		154.92	1.31
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	3	8	500	282	0.29	208	1.76	22.49	15.25	0.91		0.91	0.84		0.84	0.02	2142.64	0.66	0.05		95.22	1.59	19.92	13.70	0.80		0.80	0.74		0.74	0.02	2110.20	0.66	0.05		93.78	1.50
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	4	8	750	600	0.48	50	6.63	86.10	46.86	3.18		3.18	2.93		2.93	0.10	10183.01	3.12	0.26		452.55	6.00	76.49	40.12	2.76		2.76	2.54		2.54	0.10	10017.29	3.12	0.26		445.19	5.65
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	4	8	500	354	0.43	55	4.12	53.86	28.22	2.08		2.08	1.92		1.92	0.05	5380.35	1.65	0.14		239.11	3.68	46.83	25.51	1.81		1.81	1.67		1.67	0.05	5284.92	1.64	0.14		234.87	3.41
3	2	a	3-2-a	3-2-aScrapers Cat 657	2	8	750	600	0.48	10	3.32	43.05	23.43	1.59		1.59	1.46		1.46	0.05	5091.50	1.56	0.13		226.27	3.00	38.24	20.06	1.38		1.38	1.27		1.27	0.05	5008.65	1.56	0.13		222.59	2.83
3	2	a	3-2-a	3-2-aDozer D9T	2	8	500	354	0.43	15	2.06	26.93	14.11	1.04		1.04	0.96		0.96	0.03	2690.18	0.82	0.07		119.56	1.84	23.42	12.76	0.91		0.91	0.83		0.83	0.03	2642.46	0.82	0.07		117.44	1.71
3	2	a	3-2-a	3-2-aCat 140M3 Grader	2	4	250	200	0.41	10	0.57	7.96	2.09	0.26		0.26	0.24		0.24	0.01	726.30	0.22	0.02		32.28	0.55	7.60	2.04	0.25		0.25	0.23		0.23	0.01	714.24	0.22	0.02		31.74	0.52
3	2	a	3-2-a	3-2-aCat 374 F L	2	2	500	472	0.38	10	0.32	3.99	1.91	0.13		0.13	0.12		0.12	0.01	789.73	0.24	0.02		35.10	0.28	3.26	1.81	0.11		0.11	0.10		0.10	0.01	777.47	0.24	0.02		34.55	0.26
3	2	a	3-2-a	3-2-a825 Compactors	2	8	500	354	0.43	10	2.06	26.93	14.11	1.04		1.04	0.96		0.96	0.03	2690.18	0.82	0.07		119.56	1.84	23.42	12.76	0.91		0.91	0.83		0.83	0.03	2642.46	0.82	0.07		117.44	1.71
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	5	2.09	23.52	11.21	0.87		0.87	0.80		0.80	0.03	3215.34	0.98	0.08		142.90	1.84	19.81	10.00	0.72		0.72	0.67		0.67	0.03	3164.49	0.98	0.08		140.64	1.69
3	2	a	3-2-a	3-2-aWheel Loader 986 H	2	8	500	409	0.36	5	1.93	22.20	10.75	0.84		0.84	0.77		0.77	0.03	2569.54	0.79	0.07		114.19	1.74	19.45	9.75	0.73		0.73	0.67		0.67	0.03	2529.32	0.79	0.06		112.41	1.60
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	58	1.72	16.56	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	1.45	14.31	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04		75.64	1.27
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	58	1.24	17.75	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	13.09	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09		161.84	0.97
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	58	1.47	16.03	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	14.35	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09		154.92	1.31
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	64	1.10	12.02	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	10.77	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07		116.19	0.98
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	34	0.99	11.10	7.81	0.55		0.55	0.50		0.50	0.01	1272.16	0.39	0.03		56.54	0.86	9.55	7.75	0.47		0.47	0.43		0.43	0.01	1252.67	0.39	0.03		55.67	0.76
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	34	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02		26.19	1.17
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	45	2.93	32.06	13.03	0.97		0.97	0.97		0.97	0.06	6972.05	0.26	0.18		309.85	2.77	28.71	12.77	0.87		0.87	0.87		0.87	0.06	6972.05	0.25	0.18		309.85	2.63
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	2	8	500	282	0.29	208	1.18	14.99	10.17	0.61		0.61	0.56		0.56	0.01	1428.43	0.44	0.04		63.48	1.06	13.28	9.13	0.54		0.54	0.49		0.49	0.01	1406.80	0.44	0.04		62.52	1.00
1	6	a	1-6-a	1-6-aScrapers Cat 657	3	8	750	600	0.48	20	4.97	64.57	35.14	2.39		2.39	2.19		2.19	0.08	7637.25	2.34	0.20		339.41	4.50	57.37	30.09	2.07		2.07	1.90		1.90	0.08	7512.97	2.34	0.19		333.89	4.24
1	6	a	1-6-a	1-6-aDozer D9T	3	8	500	354	0.43	25	3.09	40.39	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	35.12	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10		176.15	2.56
1	6	a	1-6-a	1-6-aCat 140M3 Grader	2	4	250	200	0.41	10	0.57	7.96	2.09	0.26		0.26	0.24		0.24	0.01	726.30	0.22	0.02		32.28	0.55	7.60	2.04	0.25		0.25	0.23		0.23	0.01	714.24	0.22	0.02		31.74	0.52
1	6	a	1-6-a	1-6-aCat 374 F L	1	2	500	472	0.38	10	0.16	1.99	0.95	0.06		0.06	0.06		0.06	0.00	394.86	0.12	0.01		17.55	0.14	1.63	0.91	0.05		0.05	0.05		0.05	0.00	388.74	0.12	0.01		17.28	0.13
1	6	a	1-6-a	1-6-a825 Compactors	3	8	500	354	0.43	20	3.09	40.39	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	35.12	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10		176.15	2.56
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	10	2.09	23.52	11.21	0.87		0.87	0.80		0.80	0.03	3215.34	0.98	0.08		142.90	1.84	19.81	10.00	0.72		0.72	0.67		0.67	0.03	3164.49	0.98	0.08		140.64	1.69
1	6	a	1-6-a	1-6-aWheel Loader 986 H	2	8	500	409	0.36	10	1.93	22.20	10.75	0.84		0.84	0.77		0.77	0.03	2569.54	0.79	0.07		114.19	1.74	19.45	9.75	0.73		0.73	0.67		0.67	0.03	2529.32	0.79	0.06		112.41	1.60
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	55	1.72	16.56	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	1.45	14.31	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04		75.64	1.27
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	55	1.24	17.75	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	13.09	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09		161.84	0.97
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	55	1.47	16.03	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	14.35	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09		154.92	1.31
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	70	1.10	12.02	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	10.77	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07		116.19	0.98
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	23	0.99	11.10	7.81	0.55		0.55	0.50		0.50	0.01	1272.16	0.39	0.03		56.54	0.86	9.55	7.75	0.47		0.47	0.43		0.43	0.01	1252.67	0.39	0.03		55.67	0.76
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	23	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02		26.19	1.17
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	45	2.93	32.06	13.03	0.97		0.97	0.97		0.97	0.06	6972.05	0.26	0.18		309.85	2.77	28.71	12.77	0.87		0.87	0.87		0.87	0.06	6972.05	0.25	0.18		309.85	2.63
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	3	8	500	282	0.29	198	1.76	22.49	15.25	0.91		0.91	0.84		0.84	0.02	2142.64	0.66	0.05		95.22	1.59	19.92	13.70	0.80		0.80	0.74		0.74	0.02	2110.20	0.66	0.05		93.78	1.50
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	198	0.59	7.50	5.08	0.30		0.30	0.28		0.28	0.01	714.21	0.22	0.02		31.74	0.53	6.64	4.57	0.27		0.27	0.25		0.25	0.01	703.40	0.22	0.02		31.26	0.50
2	7	a	2-7-a	2-7-aScrapers Cat 657	3	8	750	600	0.48	10	4.97	64.57	35.14	2.39		2.39	2.19		2.19	0.08	7637.25	2.34	0.20		339.41	4.50	57.37	30.09	2.07		2.07	1.90		1.90	0.08	7512.97	2.34	0.19		333.89	4.24
2	7	a	2-7-a	2-7-aDozer D9T	3	8	500	354	0.43	15	3.09	40.39	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	35.12	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10		176.15	2.56
2	7	a	2-7-a	2-7-aCat 140M3 Grader	2	4	250	200	0.41	7	0.57	7.96	2.09	0.26		0.26	0.24		0.24	0.01	726.30	0.22	0.02		32.28	0.55	7.60	2.04	0.25		0.25	0.23		0.23	0.01	714.24	0.22	0.02		31.74	0.52
2	7	a	2-7-a	2-7-aCat 374 F L	1	2	500	472	0.38	5	0.16	1.99	0.95	0.06		0.06	0.06		0.06	0.00	394.86	0.12	0.01		17.55	0.14	1.63	0.91	0.05		0.05	0.05		0.05	0.00	388.74	0.12	0.01		17.28	0.13
2	7	a	2-7-a	2-7-a825 Compactors	3	8	500	354	0.43	10	3.09	40.39	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	35.12	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10		176.15	2.56
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	5	2.09	23.52	11.21	0.87		0.87	0.80		0.80	0.03	3215.34	0.98	0.08		142.90	1.84	19.81	10.00	0.72		0.72	0.67		0.67	0.03	3164.49	0.98	0.08		140.64	1.69
2	7	a	2-7-a	2-7-aWheel Loader 986 H	2	8	500	409	0.36	5	1.93	22.20	10.75	0.84		0.84	0.77		0.77	0.03	2569.54	0.79	0.07		114.19	1.74	19.45	9.75	0.73		0.73	0.67		0.67	0.03	2529.32	0.79	0.06		112.41	1.60
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	55	1.72	16.56	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	1.45	14.31	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04		75.64	1.27
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	55	1.24	17.75	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	13.09	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09		161.84	0.97
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	55	1.47	16.03	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	14.35	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09		154.92	1.31
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	55	1.10	12.02	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	10.77	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07		116.19	0.98
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	42	0.99	11.10	7.81	0.55		0.55	0.50		0.50	0.01	1272.16	0.39	0.03		56.54	0.86	9.55	7.75	0.47		0.47	0.43		0.43	0.01	1252.67	0.39	0.03		55.67	0.76
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	42	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02		26.19	1.17
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	35	1.47	16.03	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	14.35	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09		154.92	1.31
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	2	8	500	282	0.29	198	1.18	14.99	10.17	0.61		0.61	0.56		0.56	0.01	1428.43	0.44	0.04		63.48	1.06	13.28	9.13	0.54		0.54	0.49		0.49	0.01	1406.80	0.44	0.04		62.52	1.00
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	198	0.59	7.50	5.08	0.30		0.30	0.28		0.28	0.01	714.21	0.22	0.02		31.74	0.53	6.64	4.57	0.27		0.27	0.25		0.25	0.01	703.40	0.22	0.02		31.26	0.50
2	8	a	2-8-a	2-8-aScrapers Cat 657	3	8	750	600	0.48	10	4.97	64.57	35.14	2.39		2.39	2.19		2.19	0.08	7637.25	2.34	0.20		339.41	4.50	57.37	30.09	2.07		2.07	1.90		1.90	0.08	7512.97	2.34	0.19		333.89	4.24
2	8	a	2-8-a	2-8-aDozer D9T	3	8	500	354	0.43	15	3.09	40.39	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	35.12	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10		176.15	2.56
2	8	a	2-8-a	2-8-aCat 140M3 Grader	2	4	250	200	0.41	7	0.57	7.96	2.09	0.26		0.26	0.24		0.24	0.01	726.30	0.22	0.02		32.28	0.55	7.60	2.04	0.25		0.25	0.23		0.23	0.01	714.24	0.22	0.02		31.74	0.52
2	8	a	2-8-a	2-8-aCat 374 F L	1	2	500	472	0.38	5	0.16	1.99	0.95	0.06		0.06	0.06		0.06	0.00	394.86	0.12	0.01		17.55	0.14	1.63	0.91	0.05		0.05	0.05		0.05	0.00	388.74	0.12	0.01		17.28	0.13
2	8	a	2-8-a	2-8-a825 Compactors	3	8	500	354	0.43	10	3.09	40.39	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	35.12	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10		176.15	2.56
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	5	2.09	23.52	11.21	0.87		0.87	0.80		0.80	0.03	3215.34	0.98	0.08		142.90	1.84	19.81	10.00	0.72		0.72	0.67		0.67	0.03	3164.49	0.98	0.08		140.64	1.69
2	8	a	2-8-a	2-8-aWheel Loader 986 H	2	8	500	409	0.36	5	1.93	22.20	10.75	0.84		0.84	0.77		0.77	0.03	2569.54	0.79	0.07		114.19	1.74	19.45	9.75	0.73		0.73	0.67		0.67	0.03	2529.32	0.79	0.06		112.41	1.60
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	3	8	120	106	0.37	57	1.03	9.94	7.82	0.75		0.75	0.69		0.69	0.01	1039.15	0.32	0.03		46.18	0.87	8.59	7.63	0.61		0.61	0.56		0.56	0.01	1021.23	0.32	0.03		45.39	0.76
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	57	1.47	16.03	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	14.35	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09		154.92	1.31
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	1	8	500	282	0.50	57	0.41	5.92	2.80	0.18		0.18	0.17		0.17	0.01	1223.29	0.37	0.03		54.36	0.34	4.36	2.58	0.13		0.13	0.12		0.12	0.01	1213.86	0.38	0.03		53.95	0.32
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	55	2.93	32.06	13.03	0.97		0.97	0.97		0.97	0.06	6972.05	0.26	0.18		309.85	2.77	28.71	12.77	0.87		0.87	0.87		0.87	0.06	6972.05	0.25	0.18		309.85	2.63
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	38	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02		26.19	1.17
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	5	4	175	174	0.42	38	1.24	13.87	9.76	0.68		0.68	0.63		0.63	0.02	1590.20	0.49	0.04		70.67	1.08	11.94	9.69	0.58		0.58	0.54		0.54	0.02	1565.84	0.49	0.04		69.59	0.95
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	40	2.93	32.06	13.03	0.97		0.97	0.97		0.97	0.06	6972.05	0.26	0.18		309.85	2.77	28.71	12.77	0.87		0.87	0.87		0.87	0.06	6972.05	0.25	0.18		309.85	2.63
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	170	0.59	7.50	5.08	0.30		0.30	0.28		0.28	0.01	714.21	0.22	0.02		31.74	0.53	6.64	4.57	0.27		0.27	0.25		0.25	0.01	703.40	0.22	0.02		31.26	0.50

Construction - Unmitigated

Equipment Emission Calcs

					Pounds per day													Gal/Day	Pounds per day														Gal/Day	Pounds per day							
					2019														2020															2021							
Parcel	Phase	Activity	Sch Code	lookup for daily	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D
5	1	a	5-1-a	5-1-aScrapers Cat 657G	52.54	28.01	1.89		1.89	1.74		1.74	0.08	7390.74	2.34	0.19		328.46	4.02	47.87	26.42	1.73		1.73	1.60		1.60	0.08	7225.06	2.34	0.19		321.09	3.83	44.21	25.39	1.61		1.61	1.48	
5	1	a	5-1-a	5-1-aDozer D9T	21.06	11.88	0.82		0.82	0.75		0.75	0.03	2601.52	0.82	0.07		115.62	1.61	19.39	11.18	0.75		0.75	0.69		0.69	0.03	2544.60	0.82	0.07		113.09	1.52	17.54	10.84	0.69		0.69	0.64	
5	1	a	5-1-a	5-1-aExcavator 374 FL	2.83	1.77	0.09		0.09	0.08		0.08	0.01	764.97	0.24	0.02		34.00	0.24	2.50	1.75	0.08		0.08	0.08		0.08	0.01	747.58	0.24	0.02		33.22	0.23	2.12	1.73	0.07		0.07	0.07	
5	1	a	5-1-a	5-1-a825 Compactors	21.06	11.88	0.82		0.82	0.75		0.75	0.03	2601.52	0.82	0.07		115.62	1.61	19.39	11.18	0.75		0.75	0.69		0.69	0.03	2544.60	0.82	0.07		113.09	1.52	17.54	10.84	0.69		0.69	0.64	
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	7.63	7.52	0.51		0.51	0.47		0.47	0.01	1004.14	0.32	0.03		44.63	0.68	6.87	7.44	0.43		0.43	0.40		0.40	0.01	982.03	0.32	0.03		43.64	0.61	6.19	7.38	0.36		0.36	0.34	
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	7.75	5.17	0.24		0.24	0.22		0.22	0.02	2384.51	0.75	0.06		105.97	0.62	7.04	5.06	0.22		0.22	0.20		0.20	0.02	2333.41	0.75	0.06		103.70	0.58	6.10	5.07	0.20		0.20	0.19	
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	9.59	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	8.47	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	7.29	4.63	0.23		0.23	0.23	
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	8.27	7.68	0.41		0.41	0.37		0.37	0.01	1232.45	0.39	0.03		54.77	0.70	7.44	7.67	0.36		0.36	0.33		0.33	0.01	1205.38	0.39	0.03		53.57	0.65	6.87	7.69	0.33		0.33	0.31	
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5.66	6.57	0.36		0.36	0.36		0.36	0.01	707.23	0.13	0.02		31.43	1.25	5.47	6.43	0.31		0.31	0.31		0.31	0.01	707.23	0.11	0.02		31.43	1.10	5.25	6.25	0.26		0.26	0.26	
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12.78	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	11.29	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	9.72	6.18	0.31		0.31	0.31	
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	6.16	4.25	0.25		0.25	0.23		0.23	0.01	692.30	0.22	0.02		30.77	0.46	5.53	3.81	0.22		0.22	0.20		0.20	0.01	677.13	0.22	0.02		30.09	0.42	4.93	3.51	0.20		0.20	0.18	
4	2	a	4-2-a	4-2-aScrapers Cat 657G	70.06	37.35	2.52		2.52	2.31		2.31	0.10	9854.32	3.12	0.25		437.94	5.35	63.83	35.22	2.31		2.31	2.13		2.13	0.10	9633.41	3.12	0.25		428.12	5.11	58.95	33.85	2.15		2.15	1.98	
4	2	a	4-2-a	4-2-aDozer D9T	42.13	23.77	1.64		1.64	1.51		1.51	0.05	5203.04	1.65	0.13		231.23	3.23	38.78	22.35	1.51		1.51	1.39		1.39	0.05	5089.20	1.65	0.13		226.17	3.03	35.09	21.68	1.38		1.38	1.27	
4	2	a	4-2-a	4-2-aCat 140M3 Grader	7.01	1.96	0.23		0.23	0.21		0.21	0.01	701.11	0.22	0.02		31.16	0.51	6.74	1.93	0.22		0.22	0.20		0.20	0.01	685.22	0.22	0.02		30.45	0.48	6.32	1.88	0.20		0.20	0.18	
4	2	a	4-2-a	4-2-aCat 374 F L	2.83	1.77	0.09		0.09	0.08		0.08	0.01	764.97	0.24	0.02		34.00	0.24	2.50	1.75	0.08		0.08	0.08		0.08	0.01	747.58	0.24	0.02		33.22	0.23	2.12	1.73	0.07		0.07	0.07	
4	2	a	4-2-a	4-2-a825 Compactors	42.13	23.77	1.64		1.64	1.51		1.51	0.05	5203.04	1.65	0.13		231.23	3.23	38.78	22.35	1.51		1.51	1.39		1.39	0.05	5089.20	1.65	0.13		226.17	3.03	35.09	21.68	1.38		1.38	1.27	
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	17.11	9.51	0.62		0.62	0.57		0.57	0.03	3112.40	0.98	0.08		138.32	1.58	15.05	9.07	0.55		0.55	0.50		0.50	0.03	3043.12	0.98	0.08		135.24	1.44	12.53	8.58	0.46		0.46	0.42	
4	2	a	4-2-a	4-2-aWheel Loader 986 H	17.16	9.00	0.64		0.64	0.59		0.59	0.03	2490.02	0.79	0.06		110.66	1.51	15.75	8.51	0.59		0.59	0.54		0.54	0.03	2436.47	0.79	0.06		108.28	1.38	13.63	7.98	0.51		0.51	0.47	
4	2	b	4-2-b	4-2-bKomatsu PC360LC	11.32	7.08	0.37		0.37	0.34		0.34	0.03	3059.88	0.97	0.08		135.99	0.98	10.00	7.00	0.33		0.33	0.30		0.30	0.03	2990.31	0.97	0.08		132.89	0.91	8.47	6.92	0.28		0.28	0.26	
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	11.63	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	10.57	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	9.15	7.61	0.31		0.31	0.28	
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	12.72	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	1.14	11.46	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	1.02	10.32	12.30	0.61		0.61	0.56	
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	9.59	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	8.47	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	7.29	4.63	0.23		0.23	0.23	
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	8.27	7.68	0.41		0.41	0.37		0.37	0.01	1232.45	0.39	0.03		54.77	0.70	7.44	7.67	0.36		0.36	0.33		0.33	0.01	1205.38	0.39	0.03		53.57	0.65	6.87	7.69	0.33		0.33	0.31	
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22		0.22	0.22	
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12.78	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	11.29	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	9.72	6.18	0.31		0.31	0.31	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	24.63	17.02	0.99		0.99	0.91		0.91	0.03	2769.18	0.88	0.07		123.07	1.84	22.14	15.25	0.89		0.89	0.82		0.82	0.03	2708.52	0.88	0.07		120.37	1.69	19.73	14.03	0.79		0.79	0.73	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	6.16	4.25	0.25		0.25	0.23		0.23	0.01	692.30	0.22	0.02		30.77	0.46	5.53	3.81	0.22		0.22	0.20		0.20	0.01	677.13	0.22	0.02		30.09	0.42	4.93	3.51	0.20		0.20	0.18	
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	12.72	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	1.14	11.46	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	1.02	10.32	12.30	0.61		0.61	0.56	
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	11.63	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	10.57	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	9.15	7.61	0.31		0.31	0.28	
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12.78	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	11.29	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	9.72	6.18	0.31		0.31	0.31	
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	9.59	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	8.47	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	7.29	4.63	0.23		0.23	0.23	
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	8.27	7.68	0.41		0.41	0.37		0.37	0.01	1232.45	0.39	0.03		54.77	0.70	7.44	7.67	0.36		0.36	0.33		0.33	0.01	1205.38	0.39	0.03		53.57	0.65	6.87	7.69	0.33		0.33	0.31	
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22		0.22	0.22	
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12.78	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	11.29	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	9.72	6.18	0.31		0.31	0.31	
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	12.31	8.51	0.50		0.50	0.46		0.46	0.01	1384.59	0.44	0.04		61.53	0.92	11.07	7.62	0.44		0.44	0.41		0.41	0.01	1354.26	0.44	0.03		60.19	0.85	9.87	7.02	0.40		0.40	0.37	
4	4	a	4-4-a	4-4-aScrapers Cat 657G	52.54	28.01	1.89		1.89	1.74		1.74	0.08	7390.74	2.34	0.19		328.46	4.02	47.87	26.42	1.73		1.73	1.60		1.60	0.08	7225.06	2.34	0.19		321.09	3.83	44.21	25.39	1.61		1.61	1.48	
4	4	a	4-4-a	4-4-aDozer D9T	31.60	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	29.09	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	26.31	16.26	1.04		1.04	0.95	
4	4	a	4-4-a	4-4-aCat 140M3 Grader	3.51	0.98	0.11		0.11	0.10		0.10	0.00	350.56	0.11	0.01		15.58	0.25	3.37	0.97	0.11		0.11	0.10		0.10	0.00	342.61	0.11	0.01		15.23	0.24	3.16	0.94	0.10		0.10	0.09	
4	4	a	4-4-a	4-4-aCat 374 F L	1.41	0.89	0.05		0.05	0.04		0.04	0.00	382.48	0.12	0.01		17.00	0.12	1.25	0.88	0.04		0.04	0.04		0.04	0.00	373.79	0.12	0.01		16.61	0.11	1.06	0.86	0.04		0.04	0.03	
4	4	a	4-4-a	4-4-a825 Compactors	21.06	11.88	0.82		0.82	0.75		0.75	0.03	2601.52	0.82	0.07		115.62	1.61	19.39	11.18	0.75		0.75	0.69		0.69	0.03	2544.60	0.82	0.07		113.09	1.52	17.54	10.84	0.69		0.69	0.64	
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	8.56	4.76	0.31		0.31	0.29		0.29	0.02	1556.20	0.49	0.04		69.16	0.79	7.52	4.53	0.27		0.27	0.25		0.25	0.02	1521.56	0.49	0.04		67.62	0.72	6.26	4.29	0.23		0.23	0.21	
4	4	a	4-4-a	4-4-aWheel Loader 986 H	8.58	4.50	0.32		0.32	0.29		0.29	0.01	1245.01	0.39	0.03		55.33	0.75	7.87	4.26	0.29		0.29	0.27		0.27	0.01	1218.24	0.39	0.03		54.14	0.69	6.81	3.99	0.25		0.25	0.23	
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	12.72	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	1.14	11.46	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	1.02	10.32	12.30	0.61		0.61	0.56	
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	11.63	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	10.57	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	9.15	7.61	0.31		0.31	0.28	
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12.78	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	11.29	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	9.72	6.18	0.31		0.31	0.31	
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	9.59	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	8.47	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	7.29	4.63	0.23		0.23	0.23	
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	8.27	7.68	0.41		0.41	0.37		0.37	0.01	1232.45	0.39	0.03		54.77	0.70	7.44	7.67	0.36		0.36	0.33		0.33	0.01	1205.38	0.39	0.03		53.57	0.65	6.87	7.69	0.33		0.33	0.31	
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22		0.22	0.22	
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12.78	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	11.29	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	9.72	6.18	0.31		0.31	0.31	
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	18.47	12.76	0.74		0.74	0.68		0.68	0.02	2076.89	0.66	0.05		92.30	1.38	16.60	11.44	0.67		0.67	0.61		0.61	0.02	2031.39	0.66	0.05		90.28	1.27	14.80	10.52	0.60		0.60	0.55	
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	70.06	37.35	2.52		2.52	2.31		2.31	0.10	9854.32	3.12	0.25		437.94	5.35	63.83	35.22	2.31		2.31	2.13		2.13	0.10	9633.41	3.12	0.25		428.12	5.11	58.95	33.85	2.15		2.15	1.98	
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	42.13	23.77	1.64		1.64	1.51		1.51	0.05	5203.04	1.65	0.13		231.23	3.23	38.78	22.35	1.51		1.51	1.39		1.39	0.05	5089.20	1.65	0.13		226.17	3.03	35.09	21.68	1.38		1.38	1.27	
3	2	a	3-2-a	3-2-aScrapers Cat 657	35.03	18.67	1.26		1.26	1.16		1.16	0.05	4927.16	1.56	0.13		218.97	2.68	31.91	17.61	1.16		1.16	1.06		1.06	0.05	4816.71	1.56	0.12		214.06	2.56	29.48	16.92	1.08		1.08	0.99	
3	2	a	3-2-a	3-2-aDozer D9T	21.06	11.88	0.82		0.82	0.75		0.75	0.03	2601.52	0.82	0.07		115.62	1.61	19.39	11.18	0.75		0.75	0.69		0.69	0.03	2544.60	0.82	0.07		113.09	1.52	17.54	10.84	0.69		0.69	0.64	
3	2	a	3-2-a	3-2-aCat 140M3 Grader	7.01	1.96	0.23		0.23	0.21		0.21	0.01	701.11	0.22	0.02		31.16	0.51	6.74	1.93	0.22		0.22	0.20		0.20	0.01	685.22	0.22	0.02		30.45	0.48	6.32	1.88	0.20		0.20	0.18	
3	2	a	3-2-a	3-2-aCat 374 F L	2.83	1.77	0.09		0.09	0.08		0.08	0.01	764.97	0.24	0.02		34.00	0.24	2.50	1.75	0.08		0.08	0.08		0.08	0.01	747.58	0.24	0.02		33.22	0.23	2.12	1.73	0.07		0.07	0.07	
3	2	a	3-2-a	3-2-a825 Compactors	21.06	11.88	0.82		0.82	0.75		0.75	0.03	2601.52	0.82	0.07		115.62	1.61	19.39	11.18	0.75		0.75	0.69		0.69	0.03	2544.60	0.82	0.07		113.09	1.52	17.54	10.84	0.69		0.69	0.64	
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	17.11	9.51	0.62		0.62	0.57		0.57	0.03	3112.40	0.98	0.08		138.32	1.58	15.05	9.07	0.55		0.55	0.50		0.50	0.03	3043.12	0.98	0.08		135.24	1.44	12.53	8.58	0.46		0.46	0.42	
3	2	a	3-2-a	3-2-aWheel Loader 986 H	17.16	9.00	0.64		0.64	0.59		0.59	0.03	2490.02	0.79	0.06		110.66	1.51	15.75	8.51	0.59		0.59	0.54		0.54	0.03	2436.47	0.79	0.06		108.28	1.38	13.63	7.98	0.51		0.51	0.47	
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	12.72	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	1.14	11.46	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	1.02	10.32	12.30	0.61		0.61	0.56	
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	11.63	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	10.57	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	9.15	7.61	0.31		0.31	0.28	
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12.78	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	11.29	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	9.72	6.18	0.31		0.31	0.31	
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	9.59	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	8.47	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	7.29	4.63	0.23		0.23	0.23	
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	8.27	7.68	0.41		0.41	0.37		0.37	0.01	1232.45	0.39	0.03		54.77	0.70	7.44	7.67	0.36		0.36	0.33		0.33	0.01	1205.38	0.39	0.03		53.57	0.65	6.87	7.69	0.33		0.33	0.31	
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22		0.22	0.22	
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	25.57	12.60	0.79		0.79	0.79		0.79	0.06	6972.07	0.23	0.18		309.85	2.49	22.59	12.48	0.70		0.70	0.70		0.70	0.06	6972.07	0.22	0.18		309.85	2.32	19.43	12.35	0.61		0.61	0.61	
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	12.31	8.51	0.50		0.50	0.46		0.46	0.01	1384.59	0.44	0.04		61.53	0.92	11.07	7.62	0.44		0.44	0.41		0.41	0.01	1354.26	0.44	0.03		60.19	0.85	9.87	7.02	0.40		0.40	0.37	
1	6	a	1-6-a	1-6-aScrapers Cat 657	52.54	28.01	1.89		1.89	1.74		1.74	0.08	7390.74	2.34	0.19		328.46	4.02	47.87	26.42	1.73		1.73	1.60		1.60	0.08	7225.06	2.34	0.19		321.09	3.83	44.21	25.39	1.61		1.61	1.48	
1	6	a	1-6-a	1-6-aDozer D9T	31.60	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	29.09	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	26.31	16.26	1.04		1.04	0.95	
1	6	a	1-6-a	1-6-aCat 140M3 Grader	7.01	1.96	0.23		0.23	0.21		0.21	0.01	701.11	0.22	0.02		31.16	0.51	6.74	1.93	0.22		0.22	0.20		0.20	0.01	685.22	0.22	0.02		30.45	0.48	6.32	1.88	0.20		0.20	0.18	
1	6	a	1-6-a	1-6-aCat 374 F L	1.41	0.89	0.05		0.05	0.04		0.04	0.00	382.48	0.12	0.01		17.00	0.12	1.25	0.88	0.04		0.04	0.04		0.04	0.00	373.79	0.12	0.01		16.61	0.11	1.06	0.86	0.04		0.04	0.03	
1	6	a	1-6-a	1-6-a825 Compactors	31.60	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	29.09	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	26.31	16.26	1.04		1.04	0.95	
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	17.11	9.51	0.62		0.62	0.57		0.57	0.03	3112.40	0.98	0.08		138.32	1.58	15.05	9.07	0.55		0.55	0.50		0.50	0.03	3043.12	0.98	0.08		135.24	1.44	12.53	8.58	0.46		0.46	0.42	
1	6	a	1-6-a	1-6-aWheel Loader 986 H	17.16	9.00	0.64		0.64	0.59		0.59	0.03	2490.02	0.79	0.06		110.66	1.51	15.75	8.51	0.59		0.59	0.54		0.54	0.03	2436.47	0.79	0.06		108.28	1.38	13.63	7.98	0.51		0.51	0.47	
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	12.72	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	1.14	11.46	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	1.02	10.32	12.30	0.61		0.61	0.56	
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	11.63	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	10.57	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	9.15	7.61	0.31		0.31	0.28	
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12.78	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	11.29	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	9.72	6.18	0.31		0.31	0.31	
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	9.59	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	8.47	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	7.29	4.63	0.23		0.23	0.23	
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	8.27	7.68	0.41		0.41	0.37		0.37	0.01	1232.45	0.39	0.03		54.77	0.70	7.44	7.67	0.36		0.36	0.33		0.33	0.01	1205.38	0.39	0.03		53.57	0.65	6.87	7.69	0.33		0.33	0.31	
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22		0.22	0.22	
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	25.57	12.60	0.79		0.79	0.79		0.79	0.06	6972.07	0.23	0.18		309.85	2.49	22.59	12.48	0.70		0.70	0.70		0.70	0.06	6972.07	0.22	0.18		309.85	2.32	19.43	12.35	0.61		0.61	0.61	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	18.47	12.76	0.74		0.74	0.68		0.68	0.02	2076.89	0.66	0.05		92.30	1.38	16.60	11.44	0.67		0.67	0.61		0.61	0.02	2031.39	0.66	0.05		90.28	1.27	14.80	10.52	0.60		0.60	0.55	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	6.16	4.25	0.25		0.25	0.23		0.23	0.01	692.30	0.22	0.02		30.77	0.46	5.53	3.81	0.22		0.22	0.20		0.20	0.01	677.13	0.22	0.02		30.09	0.42	4.93	3.51	0.20		0.20	0.18	
2	7	a	2-7-a	2-7-aScrapers Cat 657	52.54	28.01	1.89		1.89	1.74		1.74	0.08	7390.74	2.34	0.19		328.46	4.02	47.87	26.42	1.73		1.73	1.60		1.60	0.08	7225.06	2.34	0.19		321.09	3.83	44.21	25.39	1.61		1.61	1.48	
2	7	a	2-7-a	2-7-aDozer D9T	31.60	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	29.09	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	26.31	16.26	1.04		1.04	0.95	
2	7	a	2-7-a	2-7-aCat 140M3 Grader	7.01	1.96	0.23		0.23	0.21		0.21	0.01	701.11	0.22	0.02		31.16	0.51	6.74	1.93	0.22		0.22	0.20		0.20	0.01	685.22	0.22	0.02		30.45	0.48	6.32	1.88	0.20		0.20	0.18	
2	7	a	2-7-a	2-7-aCat 374 F L	1.41	0.89	0.05		0.05	0.04		0.04	0.00	382.48	0.12	0.01		17.00	0.12	1.25	0.88	0.04		0.04	0.04		0.04	0.00	373.79	0.12	0.01		16.61	0.11	1.06	0.86	0.04		0.04	0.03	
2	7	a	2-7-a	2-7-a825 Compactors	31.60	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	29.09	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	26.31	16.26	1.04		1.04	0.95	
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	17.11	9.51	0.62		0.62	0.57		0.57	0.03	3112.40	0.98	0.08		138.32	1.58	15.05	9.07	0.55		0.55	0.50		0.50	0.03	3043.12	0.98	0.08		135.24	1.44	12.53	8.58	0.46		0.46	0.42	
2	7	a	2-7-a	2-7-aWheel Loader 986 H	17.16	9.00	0.64		0.64	0.59		0.59	0.03	2490.02	0.79	0.06		110.66	1.51	15.75	8.51	0.59		0.59	0.54		0.54	0.03	2436.47	0.79	0.06		108.28	1.38	13.63	7.98	0.51		0.51	0.47	
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	12.72	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	1.14	11.46	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	1.02	10.32	12.30	0.61		0.61	0.56	
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	11.63	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	10.57	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	9.15	7.61	0.31		0.31	0.28	
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12.78	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	11.29	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	9.72	6.18	0.31		0.31	0.31	
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	9.59	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	8.47	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	7.29	4.63	0.23		0.23	0.23	
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	8.27	7.68	0.41		0.41	0.37		0.37	0.01	1232.45	0.39	0.03		54.77	0.70	7.44	7.67	0.36		0.36	0.33		0.33	0.01	1205.38	0.39	0.03		53.57	0.65	6.87	7.69	0.33		0.33	0.31	
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22		0.22	0.22	
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12.78	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	11.29	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	9.72	6.18	0.31		0.31	0.31	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	12.31	8.51	0.50		0.50	0.46		0.46	0.01	1384.59	0.44	0.04		61.53	0.92	11.07	7.62	0.44		0.44	0.41		0.41	0.01	1354.26	0.44	0.03		60.19	0.85	9.87	7.02	0.40		0.40	0.37	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	6.16	4.25	0.25		0.25	0.23		0.23	0.01	692.30	0.22	0.02		30.77	0.46	5.53	3.81	0.22		0.22	0.20		0.20	0.01	677.13	0.22	0.02		30.09	0.42	4.93	3.51	0.20		0.20	0.18	
2	8	a	2-8-a	2-8-aScrapers Cat 657	52.54	28.01	1.89		1.89	1.74		1.74	0.08	7390.74	2.34	0.19		328.46	4.02	47.87	26.42	1.73		1.73	1.60		1.60	0.08	7225.06	2.34	0.19		321.09	3.83	44.21	25.39	1.61		1.61	1.48	
2	8	a	2-8-a	2-8-aDozer D9T	31.60	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	29.09	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	26.31	16.26	1.04		1.04	0.95	
2	8	a	2-8-a	2-8-aCat 140M3 Grader	7.01	1.96	0.23		0.23	0.21		0.21	0.01	701.11	0.22	0.02		31.16	0.51	6.74	1.93	0.22		0.22	0.20		0.20	0.01	685.22	0.22	0.02		30.45	0.48	6.32	1.88	0.20		0.20	0.18	
2	8	a	2-8-a	2-8-aCat 374 F L	1.41	0.89	0.05		0.05	0.04		0.04	0.00	382.48	0.12	0.01		17.00	0.12	1.25	0.88	0.04		0.04	0.04		0.04	0.00	373.79	0.12	0.01		16.61	0.11	1.06	0.86	0.04		0.04	0.03	
2	8	a	2-8-a	2-8-a825 Compactors	31.60	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	29.09	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	26.31	16.26	1.04		1.04	0.95	
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	17.11	9.51	0.62		0.62	0.57		0.57	0.03	3112.40	0.98	0.08		138.32	1.58	15.05	9.07	0.55		0.55	0.50		0.50	0.03	3043.12	0.98	0.08		135.24	1.44	12.53	8.58	0.46		0.46	0.42	
2	8	a	2-8-a	2-8-aWheel Loader 986 H	17.16	9.00	0.64		0.64	0.59		0.59	0.03	2490.02	0.79	0.06		110.66	1.51	15.75	8.51	0.59		0.59	0.54		0.54	0.03	2436.47	0.79	0.06		108.28	1.38	13.63	7.98	0.51		0.51	0.47	
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	7.63	7.52	0.51		0.51	0.47		0.47	0.01	1004.14	0.32	0.03		44.63	0.68	6.87	7.44	0.43		0.43	0.40		0.40	0.01	982.03	0.32	0.03		43.64	0.61	6.19	7.38	0.36		0.36	0.34	
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12.78	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	11.29	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	9.72	6.18	0.31		0.31	0.31	
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	3.88	2.59	0.12		0.12	0.11		0.11	0.01	1192.26	0.38	0.03		52.99	0.31	3.52	2.53	0.11		0.11	0.10		0.10	0.01	1166.70	0.38	0.03		51.85	0.29	3.05	2.54	0.10		0.10	0.09	
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	25.57	12.60	0.79		0.79	0.79		0.79	0.06	6972.07	0.23	0.18		309.85	2.49	22.59	12.48	0.70		0.70	0.70		0.70	0.06	6972.07	0.22	0.18		309.85	2.32	19.43	12.35	0.61		0.61	0.61	
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22		0.22	0.22	
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	10.34	9.60	0.51		0.51	0.47		0.47	0.02	1540.57	0.49	0.04		68.47	0.87	9.30	9.59	0.45		0.45	0.42		0.42	0.02	1506.73	0.49	0.04		66.96	0.81	8.59	9.61	0.41		0.41	0.38	
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	25.57	12.60	0.79		0.79	0.79		0.79	0.06	6972.07	0.23	0.18		309.85	2.49	22.59	12.48	0.70		0.70	0.70		0.70	0.06	6972.07	0.22	0.18		309.85	2.32	19.43	12.35	0.61		0.61	0.61	
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	6.16	4.25	0.25		0.25	0.23		0.23	0.01	692.30	0.22	0.02		30.77	0.46	5.53	3.81	0.22		0.22	0.20		0.20	0.01	677.13	0.22	0.02		30.09	0.42	4.93	3.51	0.20		0.20	0.18	

Construction - Unmitigated

Equipment Emission Calcs

Parcel	Phase	Activity	Sch Code	lookup for daily	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel (Gal/Day)	ROG (2022, Pounds per day)	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel (2022, Gal/Day)	ROG (2023, Pounds per day)	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel (2023, Gal/Day)
5	1	a	5-1-a	5-1-aScrapers Cat 657G	1.48	0.08	7225.19	2.34	0.19		321.10	3.43	37.91	23.10	1.38		1.38	1.27		1.27	0.08	7217.42	2.33	0.18		320.75	3.39	36.54	23.17	1.34		1.34	1.23		1.23	0.08	7217.67	2.33	0.18		320.77
5	1	a	5-1-a	5-1-aDozer D9T	0.64	0.03	2540.59	0.82	0.07		112.91	1.36	14.69	10.26	0.59		0.59	0.55		0.55	0.03	2540.20	0.82	0.07		112.89	1.29	13.26	9.92	0.54		0.54	0.50		0.50	0.03	2541.28	0.82	0.07		112.94
5	1	a	5-1-a	5-1-aExcavator 374 FL	0.07	0.01	746.50	0.24	0.02		33.18	0.20	1.65	1.69	0.06		0.06	0.05		0.05	0.01	746.65	0.24	0.02		33.18	0.19	1.42	1.67	0.05		0.05	0.04		0.04	0.01	746.93	0.24	0.02		33.19
5	1	a	5-1-a	5-1-a825 Compactors	0.64	0.03	2540.59	0.82	0.07		112.91	1.36	14.69	10.26	0.59		0.59	0.55		0.55	0.03	2540.20	0.82	0.07		112.89	1.29	13.26	9.92	0.54		0.54	0.50		0.50	0.03	2541.28	0.82	0.07		112.94
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	0.34	0.01	982.46	0.32	0.03		43.66	0.54	5.47	7.31	0.29		0.29	0.27		0.27	0.01	983.56	0.32	0.03		43.71	0.49	5.01	7.29	0.25		0.25	0.23		0.23	0.01	984.67	0.32	0.03		43.76
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	0.19	0.02	2348.37	0.76	0.06		104.37	0.54	5.17	5.01	0.18		0.18	0.16		0.16	0.02	2335.26	0.76	0.06		103.78	0.51	4.49	4.94	0.15		0.15	0.14		0.14	0.02	2319.51	0.75	0.06		103.08
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.23	0.02	2614.52	0.08	0.07		116.19	0.83	6.46	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19	0.79	5.73	4.59	0.17		0.17	0.17		0.17	0.02	2614.52	0.07	0.07		116.19
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	0.31	0.01	1204.82	0.39	0.03		53.54	0.55	5.56	7.64	0.26		0.26	0.24		0.24	0.01	1205.34	0.39	0.03		53.57	0.51	4.98	7.63	0.23		0.23	0.22		0.22	0.01	1205.24	0.39	0.03		53.56
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.26	0.01	707.23	0.10	0.02		31.43	1.01	5.09	6.17	0.23		0.23	0.23		0.23	0.01	707.23	0.09	0.02		31.43	0.94	4.95	6.11	0.19		0.19	0.19		0.19	0.01	707.23	0.08	0.02		31.43
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.31	0.03	3486.03	0.10	0.09		154.92	1.10	8.61	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93	1.05	7.64	6.12	0.23		0.23	0.23		0.23	0.03	3486.03	0.09	0.09		154.93
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	0.18	0.01	676.98	0.22	0.02		30.09	0.37	4.15	3.17	0.17		0.17	0.15		0.15	0.01	676.59	0.22	0.02		30.07	0.34	3.60	2.88	0.15		0.15	0.13		0.13	0.01	676.75	0.22	0.02		30.08
4	2	a	4-2-a	4-2-aScrapers Cat 657G	1.98	0.10	9633.58	3.12	0.25		428.13	4.57	50.55	30.80	1.84		1.84	1.69		1.69	0.10	9623.23	3.11	0.25		427.67	4.52	48.72	30.89	1.78		1.78	1.64		1.64	0.10	9623.56	3.11	0.25		427.69
4	2	a	4-2-a	4-2-aDozer D9T	1.27	0.05	5081.17	1.64	0.13		225.82	2.72	29.39	20.52	1.19		1.19	1.09		1.09	0.05	5080.40	1.64	0.13		225.78	2.58	26.52	19.83	1.09		1.09	1.00		1.00	0.05	5082.55	1.64	0.13		225.88
4	2	a	4-2-a	4-2-aCat 140M3 Grader	0.18	0.01	684.12	0.22	0.02		30.40	0.44	5.61	1.84	0.18		0.18	0.16		0.16	0.01	683.69	0.22	0.02		30.38	0.41	4.96	1.80	0.16		0.16	0.15		0.15	0.01	683.23	0.22	0.02		30.36
4	2	a	4-2-a	4-2-aCat 374 F L	0.07	0.01	746.50	0.24	0.02		33.18	0.20	1.65	1.69	0.06		0.06	0.05		0.05	0.01	746.65	0.24	0.02		33.18	0.19	1.42	1.67	0.05		0.05	0.04		0.04	0.01	746.93	0.24	0.02		33.19
4	2	a	4-2-a	4-2-a825 Compactors	1.27	0.05	5081.17	1.64	0.13		225.82	2.72	29.39	20.52	1.19		1.19	1.09		1.09	0.05	5080.40	1.64	0.13		225.78	2.58	26.52	19.83	1.09		1.09	1.00		1.00	0.05	5082.55	1.64	0.13		225.88
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	0.42	0.03	3042.88	0.98	0.08		135.23	1.26	9.55	7.99	0.35		0.35	0.32		0.32	0.03	3043.99	0.98	0.08		135.28	1.20	8.49	7.83	0.31		0.31	0.28		0.28	0.03	3046.13	0.98	0.08		135.38
4	2	a	4-2-a	4-2-aWheel Loader 986 H	0.47	0.03	2442.45	0.79	0.06		108.55	1.24	11.35	7.52	0.42		0.42	0.39		0.39	0.03	2443.50	0.79	0.06		108.59	1.13	9.74	7.22	0.36		0.36	0.33		0.33	0.03	2445.26	0.79	0.06		108.67
4	2	b	4-2-b	4-2-bKomatsu PC360LC	0.26	0.03	2985.99	0.97	0.08		132.70	0.81	6.61	6.75	0.22		0.22	0.20		0.20	0.03	2986.59	0.97	0.08		132.73	0.78	5.68	6.68	0.19		0.19	0.18		0.18	0.03	2987.73	0.97	0.08		132.78
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	0.28	0.04	3522.56	1.14	0.09		156.55	0.81	7.76	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67	0.76	6.73	7.41	0.23		0.23	0.21		0.21	0.04	3479.26	1.13	0.09		154.62
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	0.56	0.02	1637.43	0.53	0.04		72.77	0.90	9.12	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85	0.82	8.36	12.14	0.41		0.41	0.38		0.38	0.02	1641.11	0.53	0.04		72.93
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.23	0.02	2614.52	0.08	0.07		116.19	0.83	6.46	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19	0.79	5.73	4.59	0.17		0.17	0.17		0.17	0.02	2614.52	0.07	0.07		116.19
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	0.31	0.01	1204.82	0.39	0.03		53.54	0.55	5.56	7.64	0.26		0.26	0.24		0.24	0.01	1205.34	0.39	0.03		53.57	0.51	4.98	7.63	0.23		0.23	0.22		0.22	0.01	1205.24	0.39	0.03		53.56
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16	0.01	589.36	0.07	0.02		26.19
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.31	0.03	3486.03	0.10	0.09		154.92	1.10	8.61	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93	1.05	7.64	6.12	0.23		0.23	0.23		0.23	0.03	3486.03	0.09	0.09		154.93
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	0.73	0.03	2707.93	0.88	0.07		120.34	1.50	16.59	12.68	0.67		0.67	0.62		0.62	0.03	2706.35	0.88	0.07		120.27	1.35	14.39	11.52	0.58		0.58	0.54		0.54	0.03	2707.00	0.88	0.07		120.30
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	0.18	0.01	676.98	0.22	0.02		30.09	0.37	4.15	3.17	0.17		0.17	0.15		0.15	0.01	676.59	0.22	0.02		30.07	0.34	3.60	2.88	0.15		0.15	0.13		0.13	0.01	676.75	0.22	0.02		30.08
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	0.56	0.02	1637.43	0.53	0.04		72.77	0.90	9.12	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85	0.82	8.36	12.14	0.41		0.41	0.38		0.38	0.02	1641.11	0.53	0.04		72.93
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	0.28	0.04	3522.56	1.14	0.09		156.55	0.81	7.76	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67	0.76	6.73	7.41	0.23		0.23	0.21		0.21	0.04	3479.26	1.13	0.09		154.62
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.31	0.03	3486.03	0.10	0.09		154.92	1.10	8.61	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93	1.05	7.64	6.12	0.23		0.23	0.23		0.23	0.03	3486.03	0.09	0.09		154.93
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.23	0.02	2614.52	0.08	0.07		116.19	0.83	6.46	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19	0.79	5.73	4.59	0.17		0.17	0.17		0.17	0.02	2614.52	0.07	0.07		116.19
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	0.31	0.01	1204.82	0.39	0.03		53.54	0.55	5.56	7.64	0.26		0.26	0.24		0.24	0.01	1205.34	0.39	0.03		53.57	0.51	4.98	7.63	0.23		0.23	0.22		0.22	0.01	1205.24	0.39	0.03		53.56
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16	0.01	589.36	0.07	0.02		26.19
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.31	0.03	3486.03	0.10	0.09		154.92	1.10	8.61	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93	1.05	7.64	6.12	0.23		0.23	0.23		0.23	0.03	3486.03	0.09	0.09		154.93
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	0.37	0.01	1353.96	0.44	0.03		60.17	0.75	8.29	6.34	0.34		0.34	0.31		0.31	0.01	1353.18	0.44	0.03		60.14	0.68	7.19	5.76	0.29		0.29	0.27		0.27	0.01	1353.50	0.44	0.03		60.15
4	4	a	4-4-a	4-4-aScrapers Cat 657G	1.48	0.08	7225.19	2.34	0.19		321.10	3.43	37.91	23.10	1.38		1.38	1.27		1.27	0.08	7217.42	2.33	0.18		320.75	3.39	36.54	23.17	1.34		1.34	1.23		1.23	0.08	7217.67	2.33	0.18		320.77
4	4	a	4-4-a	4-4-aDozer D9T	0.95	0.04	3810.88	1.23	0.10		169.36	2.04	22.04	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34	1.93	19.89	14.88	0.82		0.82	0.75		0.75	0.04	3811.91	1.23	0.10		169.41
4	4	a	4-4-a	4-4-aCat 140M3 Grader	0.09	0.00	342.06	0.11	0.01		15.20	0.22	2.80	0.92	0.09		0.09	0.08		0.08	0.00	341.84	0.11	0.01		15.19	0.20	2.48	0.90	0.08		0.08	0.07		0.07	0.00	341.62	0.11	0.01		15.18
4	4	a	4-4-a	4-4-aCat 374 F L	0.03	0.00	373.25	0.12	0.01		16.59	0.10	0.83	0.84	0.03		0.03	0.03		0.03	0.00	373.32	0.12	0.01		16.59	0.10	0.71	0.84	0.02		0.02	0.02		0.02	0.00	373.47	0.12	0.01		16.60
4	4	a	4-4-a	4-4-a825 Compactors	0.64	0.03	2540.59	0.82	0.07		112.91	1.36	14.69	10.26	0.59		0.59	0.55		0.55	0.03	2540.20	0.82	0.07		112.89	1.29	13.26	9.92	0.54		0.54	0.50		0.50	0.03	2541.28	0.82	0.07		112.94
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	0.21	0.02	1521.44	0.49	0.04		67.62	0.63	4.78	4.00	0.17		0.17	0.16		0.16	0.02	1521.99	0.49	0.04		67.64	0.60	4.25	3.91	0.15		0.15	0.14		0.14	0.02	1523.07	0.49	0.04		67.69
4	4	a	4-4-a	4-4-aWheel Loader 986 H	0.23	0.01	1221.22	0.39	0.03		54.27	0.62	5.68	3.76	0.21		0.21	0.19		0.19	0.01	1221.75	0.40	0.03		54.30	0.57	4.87	3.61	0.18		0.18	0.17		0.17	0.01	1222.63	0.40	0.03		54.34
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	0.56	0.02	1637.43	0.53	0.04		72.77	0.90	9.12	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85	0.82	8.36	12.14	0.41		0.41	0.38		0.38	0.02	1641.11	0.53	0.04		72.93
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	0.28	0.04	3522.56	1.14	0.09		156.55	0.81	7.76	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67	0.76	6.73	7.41	0.23		0.23	0.21		0.21	0.04	3479.26	1.13	0.09		154.62
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.31	0.03	3486.03	0.10	0.09		154.92	1.10	8.61	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93	1.05	7.64	6.12	0.23		0.23	0.23		0.23	0.03	3486.03	0.09	0.09		154.93
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.23	0.02	2614.52	0.08	0.07		116.19	0.83	6.46	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19	0.79	5.73	4.59	0.17		0.17	0.17		0.17	0.02	2614.52	0.07	0.07		116.19
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	0.31	0.01	1204.82	0.39	0.03		53.54	0.55	5.56	7.64	0.26		0.26	0.24		0.24	0.01	1205.34	0.39	0.03		53.57	0.51	4.98	7.63	0.23		0.23	0.22		0.22	0.01	1205.24	0.39	0.03		53.56
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16	0.01	589.36	0.07	0.02		26.19
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.31	0.03	3486.03	0.10	0.09		154.92	1.10	8.61	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93	1.05	7.64	6.12	0.23		0.23	0.23		0.23	0.03	3486.03	0.09	0.09		154.93
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	0.55	0.02	2030.95	0.66	0.05		90.26	1.12	12.44	9.51	0.50		0.50	0.46		0.46	0.02	2029.77	0.66	0.05		90.21	1.02	10.79	8.64	0.44		0.44	0.40		0.40	0.02	2030.25	0.66	0.05		90.23
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	1.98	0.10	9633.58	3.12	0.25		428.13	4.57	50.55	30.80	1.84		1.84	1.69		1.69	0.10	9623.23	3.11	0.25		427.67	4.52	48.72	30.89	1.78		1.78	1.64		1.64	0.10	9623.56	3.11	0.25		427.69
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	1.27	0.05	5081.17	1.64	0.13		225.82	2.72	29.39	20.52	1.19		1.19	1.09		1.09	0.05	5080.40	1.64	0.13		225.78	2.58	26.52	19.83	1.09		1.09	1.00		1.00	0.05	5082.55	1.64	0.13		225.88
3	2	a	3-2-a	3-2-aScrapers Cat 657	0.99	0.05	4816.79	1.56	0.12		214.07	2.29	25.27	15.40	0.92		0.92	0.84		0.84	0.05	4811.61	1.56	0.12		213.84	2.26	24.36	15.45	0.89		0.89	0.82		0.82	0.05	4811.78	1.56	0.12		213.84
3	2	a	3-2-a	3-2-aDozer D9T	0.64	0.03	2540.59	0.82	0.07		112.91	1.36	14.69	10.26	0.59		0.59	0.55		0.55	0.03	2540.20	0.82	0.07		112.89	1.29	13.26	9.92	0.54		0.54	0.50		0.50	0.03	2541.28	0.82	0.07		112.94
3	2	a	3-2-a	3-2-aCat 140M3 Grader	0.18	0.01	684.12	0.22	0.02		30.40	0.44	5.61	1.84	0.18		0.18	0.16		0.16	0.01	683.69	0.22	0.02		30.38	0.41	4.96	1.80	0.16		0.16	0.15		0.15	0.01	683.23	0.22	0.02		30.36
3	2	a	3-2-a	3-2-aCat 374 F L	0.07	0.01	746.50	0.24	0.02		33.18	0.20	1.65	1.69	0.06		0.06	0.05		0.05	0.01	746.65	0.24	0.02		33.18	0.19	1.42	1.67	0.05		0.05	0.04		0.04	0.01	746.93	0.24	0.02		33.19
3	2	a	3-2-a	3-2-a825 Compactors	0.64	0.03	2540.59	0.82	0.07		112.91	1.36	14.69	10.26	0.59		0.59	0.55		0.55	0.03	2540.20	0.82	0.07		112.89	1.29	13.26	9.92	0.54		0.54	0.50		0.50	0.03	2541.28	0.82	0.07		112.94
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	0.42	0.03	3042.88	0.98	0.08		135.23	1.26	9.55	7.99	0.35		0.35	0.32		0.32	0.03	3043.99	0.98	0.08		135.28	1.20	8.49	7.83	0.31		0.31	0.28		0.28	0.03	3046.13	0.98	0.08		135.38
3	2	a	3-2-a	3-2-aWheel Loader 986 H	0.47	0.03	2442.45	0.79	0.06		108.55	1.24	11.35	7.52	0.42		0.42	0.39		0.39	0.03	2443.50	0.79	0.06		108.59	1.13	9.74	7.22	0.36		0.36	0.33		0.33	0.03	2445.26	0.79	0.06		108.67
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	0.56	0.02	1637.43	0.53	0.04		72.77	0.90	9.12	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85	0.82	8.36	12.14	0.41		0.41	0.38		0.38	0.02	1641.11	0.53	0.04		72.93
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	0.28	0.04	3522.56	1.14	0.09		156.55	0.81	7.76	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67	0.76	6.73	7.41	0.23		0.23	0.21		0.21	0.04	3479.26	1.13	0.09		154.62
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.31	0.03	3486.03	0.10	0.09		154.92	1.10	8.61	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93	1.05	7.64	6.12	0.23		0.23	0.23		0.23	0.03	3486.03	0.09	0.09		154.93
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.23	0.02	2614.52	0.08	0.07		116.19	0.83	6.46	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19	0.79	5.73	4.59	0.17		0.17	0.17		0.17	0.02	2614.52	0.07	0.07		116.19
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	0.31	0.01	1204.82	0.39	0.03		53.54	0.55	5.56	7.64	0.26		0.26	0.24		0.24	0.01	1205.34	0.39	0.03		53.57	0.51	4.98	7.63	0.23		0.23	0.22		0.22	0.01	1205.24	0.39	0.03		53.56
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16	0.01	589.36	0.07	0.02		26.19
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.61	0.06	6972.05	0.21	0.18		309.85	2.21	17.22	12.28	0.54		0.54	0.54		0.54	0.06	6972.07	0.20	0.18		309.85	2.10	15.29	12.24	0.47		0.47	0.47		0.47	0.06	6972.07	0.18	0.18		309.85
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	0.37	0.01	1353.96	0.44	0.03		60.17	0.75	8.29	6.34	0.34		0.34	0.31		0.31	0.01	1353.18	0.44	0.03		60.14	0.68	7.19	5.76	0.29		0.29	0.27		0.27	0.01	1353.50	0.44	0.03		60.15
1	6	a	1-6-a	1-6-aScrapers Cat 657	1.48	0.08	7225.19	2.34	0.19		321.10	3.43	37.91	23.10	1.38		1.38	1.27		1.27	0.08	7217.42	2.33	0.18		320.75	3.39	36.54	23.17	1.34		1.34	1.23		1.23	0.08	7217.67	2.33	0.18		320.77
1	6	a	1-6-a	1-6-aDozer D9T	0.95	0.04	3810.88	1.23	0.10		169.36	2.04	22.04	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34	1.93	19.89	14.88	0.82		0.82	0.75		0.75	0.04	3811.91	1.23	0.10		169.41
1	6	a	1-6-a	1-6-aCat 140M3 Grader	0.18	0.01	684.12	0.22	0.02		30.40	0.44	5.61	1.84	0.18		0.18	0.16		0.16	0.01	683.69	0.22	0.02		30.38	0.41	4.96	1.80	0.16		0.16	0.15		0.15	0.01	683.23	0.22	0.02		30.36
1	6	a	1-6-a	1-6-aCat 374 F L	0.03	0.00	373.25	0.12	0.01		16.59	0.10	0.83	0.84	0.03		0.03	0.03		0.03	0.00	373.32	0.12	0.01		16.59	0.10	0.71	0.84	0.02		0.02	0.02		0.02	0.00	373.47	0.12	0.01		16.60
1	6	a	1-6-a	1-6-a825 Compactors	0.95	0.04	3810.88	1.23	0.10		169.36	2.04	22.04	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34	1.93	19.89	14.88	0.82		0.82	0.75		0.75	0.04	3811.91	1.23	0.10		169.41
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	0.42	0.03	3042.88	0.98	0.08		135.23	1.26	9.55	7.99	0.35		0.35	0.32		0.32	0.03	3043.99	0.98	0.08		135.28	1.20	8.49	7.83	0.31		0.31	0.28		0.28	0.03	3046.13	0.98	0.08		135.38
1	6	a	1-6-a	1-6-aWheel Loader 986 H	0.47	0.03	2442.45	0.79	0.06		108.55	1.24	11.35	7.52	0.42		0.42	0.39		0.39	0.03	2443.50	0.79	0.06		108.59	1.13	9.74	7.22	0.36		0.36	0.33		0.33	0.03	2445.26	0.79	0.06		108.67
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	0.56	0.02	1637.43	0.53	0.04		72.77	0.90	9.12	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85	0.82	8.36	12.14	0.41		0.41	0.38		0.38	0.02	1641.11	0.53	0.04		72.93
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	0.28	0.04	3522.56	1.14	0.09		156.55	0.81	7.76	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67	0.76	6.73	7.41	0.23		0.23	0.21		0.21	0.04	3479.26	1.13	0.09		154.62
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.31	0.03	3486.03	0.10	0.09		154.92	1.10	8.61	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93	1.05	7.64	6.12	0.23		0.23	0.23		0.23	0.03	3486.03	0.09	0.09		154.93
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.23	0.02	2614.52	0.08	0.07		116.19	0.83	6.46	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19	0.79	5.73	4.59	0.17		0.17	0.17		0.17	0.02	2614.52	0.07	0.07		116.19
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	0.31	0.01	1204.82	0.39	0.03		53.54	0.55	5.56	7.64	0.26		0.26	0.24		0.24	0.01	1205.34	0.39	0.03		53.57	0.51	4.98	7.63	0.23		0.23	0.22		0.22	0.01	1205.24	0.39	0.03		53.56
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16	0.01	589.36	0.07	0.02		26.19
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.61	0.06	6972.05	0.21	0.18		309.85	2.21	17.22	12.28	0.54		0.54	0.54		0.54	0.06	6972.07	0.20	0.18		309.85	2.10	15.29	12.24	0.47		0.47	0.47		0.47	0.06	6972.07	0.18	0.18		309.85
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.55	0.02	2030.95	0.66	0.05		90.26	1.12	12.44	9.51	0.50		0.50	0.46		0.46	0.02	2029.77	0.66	0.05		90.21	1.02	10.79	8.64	0.44		0.44	0.40		0.40	0.02	2030.25	0.66	0.05		90.23
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.18	0.01	676.98	0.22	0.02		30.09	0.37	4.15	3.17	0.17		0.17	0.15		0.15	0.01	676.59	0.22	0.02		30.07	0.34	3.60	2.88	0.15		0.15	0.13		0.13	0.01	676.75	0.22	0.02		30.08
2	7	a	2-7-a	2-7-aScrapers Cat 657	1.48	0.08	7225.19	2.34	0.19		321.10	3.43	37.91	23.10	1.38		1.38	1.27		1.27	0.08	7217.42	2.33	0.18		320.75	3.39	36.54	23.17	1.34		1.34	1.23		1.23	0.08	7217.67	2.33	0.18		320.77
2	7	a	2-7-a	2-7-aDozer D9T	0.95	0.04	3810.88	1.23	0.10		169.36	2.04	22.04	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34	1.93	19.89	14.88	0.82		0.82	0.75		0.75	0.04	3811.91	1.23	0.10		169.41
2	7	a	2-7-a	2-7-aCat 140M3 Grader	0.18	0.01	684.12	0.22	0.02		30.40	0.44	5.61	1.84	0.18		0.18	0.16		0.16	0.01	683.69	0.22	0.02		30.38	0.41	4.96	1.80	0.16		0.16	0.15		0.15	0.01	683.23	0.22	0.02		30.36
2	7	a	2-7-a	2-7-aCat 374 F L	0.03	0.00	373.25	0.12	0.01		16.59	0.10	0.83	0.84	0.03		0.03	0.03		0.03	0.00	373.32	0.12	0.01		16.59	0.10	0.71	0.84	0.02		0.02	0.02		0.02	0.00	373.47	0.12	0.01		16.60
2	7	a	2-7-a	2-7-a825 Compactors	0.95	0.04	3810.88	1.23	0.10		169.36	2.04	22.04	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34	1.93	19.89	14.88	0.82		0.82	0.75		0.75	0.04	3811.91	1.23	0.10		169.41
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	0.42	0.03	3042.88	0.98	0.08		135.23	1.26	9.55	7.99	0.35		0.35	0.32		0.32	0.03	3043.99	0.98	0.08		135.28	1.20	8.49	7.83	0.31		0.31	0.28		0.28	0.03	3046.13	0.98	0.08		135.38
2	7	a	2-7-a	2-7-aWheel Loader 986 H	0.47	0.03	2442.45	0.79	0.06		108.55	1.24	11.35	7.52	0.42		0.42	0.39		0.39	0.03	2443.50	0.79	0.06		108.59	1.13	9.74	7.22	0.36		0.36	0.33		0.33	0.03	2445.26	0.79	0.06		108.67
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	0.56	0.02	1637.43	0.53	0.04		72.77	0.90	9.12	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85	0.82	8.36	12.14	0.41		0.41	0.38		0.38	0.02	1641.11	0.53	0.04		72.93
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	0.28	0.04	3522.56	1.14	0.09		156.55	0.81	7.76	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67	0.76	6.73	7.41	0.23		0.23	0.21		0.21	0.04	3479.26	1.13	0.09		154.62
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.31	0.03	3486.03	0.10	0.09		154.92	1.10	8.61	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93	1.05	7.64	6.12	0.23		0.23	0.23		0.23	0.03	3486.03	0.09	0.09		154.93
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.23	0.02	2614.52	0.08	0.07		116.19	0.83	6.46	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19	0.79	5.73	4.59	0.17		0.17	0.17		0.17	0.02	2614.52	0.07	0.07		116.19
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	0.31	0.01	1204.82	0.39	0.03		53.54	0.55	5.56	7.64	0.26		0.26	0.24		0.24	0.01	1205.34	0.39	0.03		53.57	0.51	4.98	7.63	0.23		0.23	0.22		0.22	0.01	1205.24	0.39	0.03		53.56
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16	0.01	589.36	0.07	0.02		26.19
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.31	0.03	3486.03	0.10	0.09		154.92	1.10	8.61	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93	1.05	7.64	6.12	0.23		0.23	0.23		0.23	0.03	3486.03	0.09	0.09		154.93
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.37	0.01	1353.96	0.44	0.03		60.17	0.75	8.29	6.34	0.34		0.34	0.31		0.31	0.01	1353.18	0.44	0.03		60.14	0.68	7.19	5.76	0.29		0.29	0.27		0.27	0.01	1353.50	0.44	0.03		60.15
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.18	0.01	676.98	0.22	0.02		30.09	0.37	4.15	3.17	0.17		0.17	0.15		0.15	0.01	676.59	0.22	0.02		30.07	0.34	3.60	2.88	0.15		0.15	0.13		0.13	0.01	676.75	0.22	0.02		30.08
2	8	a	2-8-a	2-8-aScrapers Cat 657	1.48	0.08	7225.19	2.34	0.19		321.10	3.43	37.91	23.10	1.38		1.38	1.27		1.27	0.08	7217.42	2.33	0.18		320.75	3.39	36.54	23.17	1.34		1.34	1.23		1.23	0.08	7217.67	2.33	0.18		320.77
2	8	a	2-8-a	2-8-aDozer D9T	0.95	0.04	3810.88	1.23	0.10		169.36	2.04	22.04	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34	1.93	19.89	14.88	0.82		0.82	0.75		0.75	0.04	3811.91	1.23	0.10		169.41
2	8	a	2-8-a	2-8-aCat 140M3 Grader	0.18	0.01	684.12	0.22	0.02		30.40	0.44	5.61	1.84	0.18		0.18	0.16		0.16	0.01	683.69	0.22	0.02		30.38	0.41	4.96	1.80	0.16		0.16	0.15		0.15	0.01	683.23	0.22	0.02		30.36
2	8	a	2-8-a	2-8-aCat 374 F L	0.03	0.00	373.25	0.12	0.01		16.59	0.10	0.83	0.84	0.03		0.03	0.03		0.03	0.00	373.32	0.12	0.01		16.59	0.10	0.71	0.84	0.02		0.02	0.02		0.02	0.00	373.47	0.12	0.01		16.60
2	8	a	2-8-a	2-8-a825 Compactors	0.95	0.04	3810.88	1.23	0.10		169.36	2.04	22.04	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34	1.93	19.89	14.88	0.82		0.82	0.75		0.75	0.04	3811.91	1.23	0.10		169.41
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	0.42	0.03	3042.88	0.98	0.08		135.23	1.26	9.55	7.99	0.35		0.35	0.32		0.32	0.03	3043.99	0.98	0.08		135.28	1.20	8.49	7.83	0.31		0.31	0.28		0.28	0.03	3046.13	0.98	0.08		135.38
2	8	a	2-8-a	2-8-aWheel Loader 986 H	0.47	0.03	2442.45	0.79	0.06		108.55	1.24	11.35	7.52	0.42		0.42	0.39		0.39	0.03	2443.50	0.79	0.06		108.59	1.13	9.74	7.22	0.36		0.36	0.33		0.33	0.03	2445.26	0.79	0.06		108.67
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	0.34	0.01	982.46	0.32	0.03		43.66	0.54	5.47	7.31	0.29		0.29	0.27		0.27	0.01	983.56	0.32	0.03		43.71	0.49	5.01	7.29	0.25		0.25	0.23		0.23	0.01	984.67	0.32	0.03		43.76
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.31	0.03	3486.03	0.10	0.09		154.92	1.10	8.61	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93	1.05	7.64	6.12	0.23		0.23	0.23		0.23	0.03	3486.03	0.09	0.09		154.93
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	0.09	0.01	1174.19	0.38	0.03		52.18	0.27	2.59	2.50	0.09		0.09	0.08		0.08	0.01	1167.63	0.38	0.03		51.89	0.25	2.24	2.47	0.08		0.08	0.07		0.07	0.01	1159.75	0.38	0.03		51.54
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.61	0.06	6972.05	0.21	0.18		309.85	2.21	17.22	12.28	0.54		0.54	0.54		0.54	0.06	6972.07	0.20	0.18		309.85	2.10	15.29	12.24	0.47		0.47	0.47		0.47	0.06	6972.07	0.18	0.18		309.85
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16	0.01	589.36	0.07	0.02		26.19
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	0.38	0.02	1506.03	0.49	0.04		66.93	0.68	6.95	9.54	0.33		0.33	0.30		0.30	0.02	1506.68	0.49	0.04		66.96	0.64	6.23	9.54	0.29		0.29	0.27		0.27	0.02	1506.54	0.49	0.04		66.95
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.61	0.06	6972.05	0.21	0.18		309.85	2.21	17.22	12.28	0.54		0.54	0.54		0.54	0.06	6972.07	0.20	0.18		309.85	2.10	15.29	12.24	0.47		0.47	0.47		0.47	0.06	6972.07	0.18	0.18		309.85
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	0.18	0.01	676.98	0.22	0.02		30.09	0.37	4.15	3.17	0.17		0.17	0.15		0.15	0.01	676.59	0.22	0.02		30.07	0.34	3.60	2.88	0.15		0.15	0.13		0.13	0.01	676.75	0.22	0.02		30.08

Construction - Unmitigated

Equipment Emission Calcs

Parcel	Phase	Activity	Sch Code	lookup for daily	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex
					Pounds per day														Gal/Day	Pounds per day														Gal/Day	Pounds						
					2024															2025																					
5	1	a	5-1-a	5-1-aScrapers Cat 657G	3.26	33.49	22.37	1.24		1.24	1.14		1.14	0.08	7219.72	2.34	0.18		320.86	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90
5	1	a	5-1-a	5-1-aDozer D9T	1.22	12.02	9.53	0.50		0.50	0.46		0.46	0.03	2538.13	0.82	0.07		112.80	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40
5	1	a	5-1-a	5-1-aExcavator 374 FL	0.19	1.32	1.67	0.05		0.05	0.04		0.04	0.01	746.65	0.24	0.02		33.18	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02		33.22	0.18	1.15	1.67	0.04		0.04	0.04
5	1	a	5-1-a	5-1-a825 Compactors	1.22	12.02	9.53	0.50		0.50	0.46		0.46	0.03	2538.13	0.82	0.07		112.80	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	0.47	4.73	7.30	0.22		0.22	0.20		0.20	0.01	985.29	0.32	0.03		43.79	0.43	4.36	7.28	0.18		0.18	0.16		0.16	0.01	986.23	0.32	0.03		43.83	0.43	4.36	7.28	0.18		0.18	0.16
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	0.51	4.30	4.97	0.15		0.15	0.13		0.13	0.02	2321.70	0.75	0.06		103.18	0.51	4.11	4.99	0.14		0.14	0.13		0.13	0.02	2335.74	0.76	0.06		103.80	0.51	4.11	4.99	0.14		0.14	0.13
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.75	5.05	4.57	0.15		0.15	0.15		0.15	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	0.49	4.61	7.66	0.22		0.22	0.20		0.20	0.01	1205.09	0.39	0.03		53.56	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.87	4.81	6.07	0.17		0.17	0.17		0.17	0.01	707.23	0.08	0.02		31.43	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02		31.43	0.82	4.67	6.04	0.14		0.14	0.14
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	6.74	6.10	0.20		0.20	0.20		0.20	0.03	3486.03	0.09	0.09		154.92	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	0.33	3.41	2.77	0.14		0.14	0.13		0.13	0.01	676.43	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12
4	2	a	4-2-a	4-2-aScrapers Cat 657G	4.35	44.65	29.83	1.65		1.65	1.52		1.52	0.10	9626.30	3.11	0.25		427.81	3.75	34.98	27.33	1.31		1.31	1.20		1.20	0.10	9640.30	3.12	0.25		428.43	3.75	34.98	27.33	1.31		1.31	1.20
4	2	a	4-2-a	4-2-aDozer D9T	2.44	24.03	19.06	0.99		0.99	0.91		0.91	0.05	5076.26	1.64	0.13		225.60	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13		225.59	2.23	20.56	18.39	0.86		0.86	0.79
4	2	a	4-2-a	4-2-aCat 140M3 Grader	0.38	4.43	1.77	0.14		0.14	0.13		0.13	0.01	682.86	0.22	0.02		30.35	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11
4	2	a	4-2-a	4-2-aCat 374 F L	0.19	1.32	1.67	0.05		0.05	0.04		0.04	0.01	746.65	0.24	0.02		33.18	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02		33.22	0.18	1.15	1.67	0.04		0.04	0.04
4	2	a	4-2-a	4-2-a825 Compactors	2.44	24.03	19.06	0.99		0.99	0.91		0.91	0.05	5076.26	1.64	0.13		225.60	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13		225.59	2.23	20.56	18.39	0.86		0.86	0.79
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	1.18	7.92	7.74	0.29		0.29	0.26		0.26	0.03	3047.23	0.99	0.08		135.42	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22
4	2	a	4-2-a	4-2-aWheel Loader 986 H	1.09	8.88	7.06	0.33		0.33	0.30		0.30	0.03	2445.50	0.79	0.06		108.68	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25
4	2	b	4-2-b	4-2-bKomatsu PC360LC	0.77	5.29	6.70	0.18		0.18	0.17		0.17	0.03	2986.60	0.97	0.08		132.73	0.73	4.62	6.68	0.16		0.16	0.15		0.15	0.03	2990.29	0.97	0.08		132.89	0.73	4.62	6.68	0.16		0.16	0.15
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	0.77	6.45	7.45	0.22		0.22	0.20		0.20	0.04	3482.55	1.13	0.09		154.77	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	0.78	7.88	12.17	0.36		0.36	0.33		0.33	0.02	1642.14	0.53	0.04		72.98	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.75	5.05	4.57	0.15		0.15	0.15		0.15	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	0.49	4.61	7.66	0.22		0.22	0.20		0.20	0.01	1205.09	0.39	0.03		53.56	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	6.74	6.10	0.20		0.20	0.20		0.20	0.03	3486.03	0.09	0.09		154.92	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	1.32	13.66	11.08	0.55		0.55	0.51		0.51	0.03	2705.70	0.88	0.07		120.25	1.25	12.35	10.51	0.50		0.50	0.46		0.46	0.03	2705.13	0.87	0.07		120.22	1.25	12.35	10.51	0.50		0.50	0.46
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	0.33	3.41	2.77	0.14		0.14	0.13		0.13	0.01	676.43	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	0.78	7.88	12.17	0.36		0.36	0.33		0.33	0.02	1642.14	0.53	0.04		72.98	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	0.77	6.45	7.45	0.22		0.22	0.20		0.20	0.04	3482.55	1.13	0.09		154.77	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	6.74	6.10	0.20		0.20	0.20		0.20	0.03	3486.03	0.09	0.09		154.92	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.75	5.05	4.57	0.15		0.15	0.15		0.15	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	0.49	4.61	7.66	0.22		0.22	0.20		0.20	0.01	1205.09	0.39	0.03		53.56	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	6.74	6.10	0.20		0.20	0.20		0.20	0.03	3486.03	0.09	0.09		154.92	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	0.66	6.83	5.54	0.28		0.28	0.25		0.25	0.01	1352.85	0.44	0.03		60.12	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03		60.11	0.63	6.17	5.25	0.25		0.25	0.23
4	4	a	4-4-a	4-4-aScrapers Cat 657G	3.26	33.49	22.37	1.24		1.24	1.14		1.14	0.08	7219.72	2.34	0.18		320.86	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90
4	4	a	4-4-a	4-4-aDozer D9T	1.83	18.02	14.30	0.74		0.74	0.68		0.68	0.04	3807.19	1.23	0.10		169.20	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60
4	4	a	4-4-a	4-4-aCat 140M3 Grader	0.19	2.22	0.88	0.07		0.07	0.07		0.07	0.00	341.43	0.11	0.01		15.17	0.17	1.84	0.85	0.06		0.06	0.05		0.05	0.00	341.29	0.11	0.01		15.17	0.17	1.84	0.85	0.06		0.06	0.05
4	4	a	4-4-a	4-4-aCat 374 F L	0.10	0.66	0.84	0.02		0.02	0.02		0.02	0.00	373.32	0.12	0.01		16.59	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02
4	4	a	4-4-a	4-4-a825 Compactors	1.22	12.02	9.53	0.50		0.50	0.46		0.46	0.03	2538.13	0.82	0.07		112.80	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	0.59	3.96	3.87	0.14		0.14	0.13		0.13	0.02	1523.62	0.49	0.04		67.71	0.57	3.41	3.79	0.12		0.12	0.11		0.11	0.02	1522.81	0.49	0.04		67.68	0.57	3.41	3.79	0.12		0.12	0.11
4	4	a	4-4-a	4-4-aWheel Loader 986 H	0.55	4.44	3.53	0.16		0.16	0.15		0.15	0.01	1222.75	0.40	0.03		54.34	0.50	3.74	3.33	0.14		0.14	0.13		0.13	0.01	1224.40	0.40	0.03		54.41	0.50	3.74	3.33	0.14		0.14	0.13
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	0.78	7.88	12.17	0.36		0.36	0.33		0.33	0.02	1642.14	0.53	0.04		72.98	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	0.77	6.45	7.45	0.22		0.22	0.20		0.20	0.04	3482.55	1.13	0.09		154.77	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	6.74	6.10	0.20		0.20	0.20		0.20	0.03	3486.03	0.09	0.09		154.92	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.75	5.05	4.57	0.15		0.15	0.15		0.15	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	0.49	4.61	7.66	0.22		0.22	0.20		0.20	0.01	1205.09	0.39	0.03		53.56	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	6.74	6.10	0.20		0.20	0.20		0.20	0.03	3486.03	0.09	0.09		154.92	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	0.99	10.24	8.31	0.41		0.41	0.38		0.38	0.02	2029.28	0.66	0.05		90.18	0.94	9.26	7.88	0.38		0.38	0.35		0.35	0.02	2028.85	0.66	0.05		90.17	0.94	9.26	7.88	0.38		0.38	0.35
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	4.35	44.65	29.83	1.65		1.65	1.52		1.52	0.10	9626.30	3.11	0.25		427.81	3.75	34.98	27.33	1.31		1.31	1.20		1.20	0.10	9640.30	3.12	0.25		428.43	3.75	34.98	27.33	1.31		1.31	1.20
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	2.44	24.03	19.06	0.99		0.99	0.91		0.91	0.05	5076.26	1.64	0.13		225.60	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13		225.59	2.23	20.56	18.39	0.86		0.86	0.79
3	2	a	3-2-a	3-2-aScrapers Cat 657	2.17	22.32	14.91	0.82		0.82	0.76		0.76	0.05	4813.15	1.56	0.12		213.90	1.87	17.49	13.66	0.65		0.65	0.60		0.60	0.05	4820.15	1.56	0.12		214.22	1.87	17.49	13.66	0.65		0.65	0.60
3	2	a	3-2-a	3-2-aDozer D9T	1.22	12.02	9.53	0.50		0.50	0.46		0.46	0.03	2538.13	0.82	0.07		112.80	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40
3	2	a	3-2-a	3-2-aCat 140M3 Grader	0.38	4.43	1.77	0.14		0.14	0.13		0.13	0.01	682.86	0.22	0.02		30.35	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11
3	2	a	3-2-a	3-2-aCat 374 F L	0.19	1.32	1.67	0.05		0.05	0.04		0.04	0.01	746.65	0.24	0.02		33.18	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02		33.22	0.18	1.15	1.67	0.04		0.04	0.04
3	2	a	3-2-a	3-2-a825 Compactors	1.22	12.02	9.53	0.50		0.50	0.46		0.46	0.03	2538.13	0.82	0.07		112.80	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	1.18	7.92	7.74	0.29		0.29	0.26		0.26	0.03	3047.23	0.99	0.08		135.42	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22
3	2	a	3-2-a	3-2-aWheel Loader 986 H	1.09	8.88	7.06	0.33		0.33	0.30		0.30	0.03	2445.50	0.79	0.06		108.68	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	0.78	7.88	12.17	0.36		0.36	0.33		0.33	0.02	1642.14	0.53	0.04		72.98	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	0.77	6.45	7.45	0.22		0.22	0.20		0.20	0.04	3482.55	1.13	0.09		154.77	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	6.74	6.10	0.20		0.20	0.20		0.20	0.03	3486.03	0.09	0.09		154.92	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.75	5.05	4.57	0.15		0.15	0.15		0.15	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	0.49	4.61	7.66	0.22		0.22	0.20		0.20	0.01	1205.09	0.39	0.03		53.56	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2.01	13.47	12.19	0.40		0.40	0.40		0.40	0.06	6972.05	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	0.66	6.83	5.54	0.28		0.28	0.25		0.25	0.01	1352.85	0.44	0.03		60.12	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03		60.11	0.63	6.17	5.25	0.25		0.25	0.23
1	6	a	1-6-a	1-6-aScrapers Cat 657	3.26	33.49	22.37	1.24		1.24	1.14		1.14	0.08	7219.72	2.34	0.18		320.86	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90
1	6	a	1-6-a	1-6-aDozer D9T	1.83	18.02	14.30	0.74		0.74	0.68		0.68	0.04	3807.19	1.23	0.10		169.20	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60
1	6	a	1-6-a	1-6-aCat 140M3 Grader	0.38	4.43	1.77	0.14		0.14	0.13		0.13	0.01	682.86	0.22	0.02		30.35	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11
1	6	a	1-6-a	1-6-aCat 374 F L	0.10	0.66	0.84	0.02		0.02	0.02		0.02	0.00	373.32	0.12	0.01		16.59	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02
1	6	a	1-6-a	1-6-a825 Compactors	1.83	18.02	14.30	0.74		0.74	0.68		0.68	0.04	3807.19	1.23	0.10		169.20	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	1.18	7.92	7.74	0.29		0.29	0.26		0.26	0.03	3047.23	0.99	0.08		135.42	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22
1	6	a	1-6-a	1-6-aWheel Loader 986 H	1.09	8.88	7.06	0.33		0.33	0.30		0.30	0.03	2445.50	0.79	0.06		108.68	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	0.78	7.88	12.17	0.36		0.36	0.33		0.33	0.02	1642.14	0.53	0.04		72.98	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	0.77	6.45	7.45	0.22		0.22	0.20		0.20	0.04	3482.55	1.13	0.09		154.77	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	6.74	6.10	0.20		0.20	0.20		0.20	0.03	3486.03	0.09	0.09		154.92	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.75	5.05	4.57	0.15		0.15	0.15		0.15	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	0.49	4.61	7.66	0.22		0.22	0.20		0.20	0.01	1205.09	0.39	0.03		53.56	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2.01	13.47	12.19	0.40		0.40	0.40		0.40	0.06	6972.05	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.99	10.24	8.31	0.41		0.41	0.38		0.38	0.02	2029.28	0.66	0.05		90.18	0.94	9.26	7.88	0.38		0.38	0.35		0.35	0.02	2028.85	0.66	0.05		90.17	0.94	9.26	7.88	0.38		0.38	0.35
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.33	3.41	2.77	0.14		0.14	0.13		0.13	0.01	676.43	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12
2	7	a	2-7-a	2-7-aScrapers Cat 657	3.26	33.49	22.37	1.24		1.24	1.14		1.14	0.08	7219.72	2.34	0.18		320.86	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90
2	7	a	2-7-a	2-7-aDozer D9T	1.83	18.02	14.30	0.74		0.74	0.68		0.68	0.04	3807.19	1.23	0.10		169.20	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60
2	7	a	2-7-a	2-7-aCat 140M3 Grader	0.38	4.43	1.77	0.14		0.14	0.13		0.13	0.01	682.86	0.22	0.02		30.35	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11
2	7	a	2-7-a	2-7-aCat 374 F L	0.10	0.66	0.84	0.02		0.02	0.02		0.02	0.00	373.32	0.12	0.01		16.59	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02
2	7	a	2-7-a	2-7-a825 Compactors	1.83	18.02	14.30	0.74		0.74	0.68		0.68	0.04	3807.19	1.23	0.10		169.20	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	1.18	7.92	7.74	0.29		0.29	0.26		0.26	0.03	3047.23	0.99	0.08		135.42	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22
2	7	a	2-7-a	2-7-aWheel Loader 986 H	1.09	8.88	7.06	0.33		0.33	0.30		0.30	0.03	2445.50	0.79	0.06		108.68	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	0.78	7.88	12.17	0.36		0.36	0.33		0.33	0.02	1642.14	0.53	0.04		72.98	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	0.77	6.45	7.45	0.22		0.22	0.20		0.20	0.04	3482.55	1.13	0.09		154.77	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	6.74	6.10	0.20		0.20	0.20		0.20	0.03	3486.03	0.09	0.09		154.92	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.75	5.05	4.57	0.15		0.15	0.15		0.15	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	0.49	4.61	7.66	0.22		0.22	0.20		0.20	0.01	1205.09	0.39	0.03		53.56	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	6.74	6.10	0.20		0.20	0.20		0.20	0.03	3486.03	0.09	0.09		154.92	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.66	6.83	5.54	0.28		0.28	0.25		0.25	0.01	1352.85	0.44	0.03		60.12	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03		60.11	0.63	6.17	5.25	0.25		0.25	0.23
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.33	3.41	2.77	0.14		0.14	0.13		0.13	0.01	676.43	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12
2	8	a	2-8-a	2-8-aScrapers Cat 657	3.26	33.49	22.37	1.24		1.24	1.14		1.14	0.08	7219.72	2.34	0.18		320.86	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90
2	8	a	2-8-a	2-8-aDozer D9T	1.83	18.02	14.30	0.74		0.74	0.68		0.68	0.04	3807.19	1.23	0.10		169.20	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60
2	8	a	2-8-a	2-8-aCat 140M3 Grader	0.38	4.43	1.77	0.14		0.14	0.13		0.13	0.01	682.86	0.22	0.02		30.35	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11
2	8	a	2-8-a	2-8-aCat 374 F L	0.10	0.66	0.84	0.02		0.02	0.02		0.02	0.00	373.32	0.12	0.01		16.59	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02
2	8	a	2-8-a	2-8-a825 Compactors	1.83	18.02	14.30	0.74		0.74	0.68		0.68	0.04	3807.19	1.23	0.10		169.20	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	1.18	7.92	7.74	0.29		0.29	0.26		0.26	0.03	3047.23	0.99	0.08		135.42	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22
2	8	a	2-8-a	2-8-aWheel Loader 986 H	1.09	8.88	7.06	0.33		0.33	0.30		0.30	0.03	2445.50	0.79	0.06		108.68	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	0.47	4.73	7.30	0.22		0.22	0.20		0.20	0.01	985.29	0.32	0.03		43.79	0.43	4.36	7.28	0.18		0.18	0.16		0.16	0.01	986.23	0.32	0.03		43.83	0.43	4.36	7.28	0.18		0.18	0.16
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	6.74	6.10	0.20		0.20	0.20		0.20	0.03	3486.03	0.09	0.09		154.92	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	0.26	2.15	2.48	0.07		0.07	0.07		0.07	0.01	1160.85	0.38	0.03		51.59	0.25	2.06	2.49	0.07		0.07	0.06		0.06	0.01	1167.87	0.38	0.03		51.90	0.25	2.06	2.49	0.07		0.07	0.06
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2.01	13.47	12.19	0.40		0.40	0.40		0.40	0.06	6972.05	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	0.61	5.76	9.57	0.27		0.27	0.25		0.25	0.02	1506.36	0.49	0.04		66.95	0.58	5.24	9.58	0.25		0.25	0.23		0.23	0.02	1505.80	0.49	0.04		66.92	0.58	5.24	9.58	0.25		0.25	0.23
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2.01	13.47	12.19	0.40		0.40	0.40		0.40	0.06	6972.05	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	0.33	3.41	2.77	0.14		0.14	0.13		0.13	0.01	676.43	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12

Construction - Unmitigated

Equipment Emission Calcs

					per day 2026							Gal/Day	Pounds per day 2027														Gal/Day	Pounds per day 2028													
Parcel	Phase	Activity	Sch Code	lookup for daily	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other
5	1	a	5-1-a	5-1-aScrapers Cat 657G		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19	
5	1	a	5-1-a	5-1-aDozer D9T		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07	
5	1	a	5-1-a	5-1-aExcavator 374 FL		0.04	0.01	747.57	0.24	0.02		33.22	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02		33.22	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02	
5	1	a	5-1-a	5-1-a825 Compactors		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07	
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader		0.16	0.01	986.23	0.32	0.03		43.83	0.43	4.36	7.28	0.18		0.18	0.16		0.16	0.01	986.23	0.32	0.03		43.83	0.43	4.36	7.28	0.18		0.18	0.16		0.16	0.01	986.23	0.32	0.03	
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig		0.13	0.02	2335.74	0.76	0.06		103.80	0.51	4.11	4.99	0.14		0.14	0.13		0.13	0.02	2335.74	0.76	0.06		103.80	0.51	4.11	4.99	0.14		0.14	0.13		0.13	0.02	2335.74	0.76	0.06	
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07	
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03	
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.14	0.01	707.23	0.07	0.02		31.43	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02		31.43	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02	
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09	
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02	
4	2	a	4-2-a	4-2-aScrapers Cat 657G		1.20	0.10	9640.30	3.12	0.25		428.43	3.75	34.98	27.33	1.31		1.31	1.20		1.20	0.10	9640.30	3.12	0.25		428.43	3.75	34.98	27.33	1.31		1.31	1.20		1.20	0.10	9640.30	3.12	0.25	
4	2	a	4-2-a	4-2-aDozer D9T		0.79	0.05	5076.07	1.64	0.13		225.59	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13		225.59	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13	
4	2	a	4-2-a	4-2-aCat 140M3 Grader		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02	
4	2	a	4-2-a	4-2-aCat 374 F L		0.04	0.01	747.57	0.24	0.02		33.22	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02		33.22	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02	
4	2	a	4-2-a	4-2-a825 Compactors		0.79	0.05	5076.07	1.64	0.13		225.59	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13		225.59	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13	
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08	
4	2	a	4-2-a	4-2-aWheel Loader 986 H		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06	
4	2	b	4-2-b	4-2-bKomatsu PC360LC		0.15	0.03	2990.29	0.97	0.08		132.89	0.73	4.62	6.68	0.16		0.16	0.15		0.15	0.03	2990.29	0.97	0.08		132.89	0.73	4.62	6.68	0.16		0.16	0.15		0.15	0.03	2990.29	0.97	0.08	
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09	
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04	
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07	
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03	
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		0.46	0.03	2705.13	0.87	0.07		120.22	1.25	12.35	10.51	0.50		0.50	0.46		0.46	0.03	2705.13	0.87	0.07		120.22	1.25	12.35	10.51	0.50		0.50	0.46		0.46	0.03	2705.13	0.87	0.07	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02	
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04	
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09	
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09	
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07	
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03	
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09	
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane		0.23	0.01	1352.57	0.44	0.03		60.11	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03		60.11	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03	
4	4	a	4-4-a	4-4-aScrapers Cat 657G		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19	
4	4	a	4-4-a	4-4-aDozer D9T		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10	
4	4	a	4-4-a	4-4-aCat 140M3 Grader		0.05	0.00	341.29	0.11	0.01		15.17	0.17	1.84	0.85	0.06		0.06	0.05		0.05	0.00	341.29	0.11	0.01		15.17	0.17	1.84	0.85	0.06		0.06	0.05		0.05	0.00	341.29	0.11	0.01	
4	4	a	4-4-a	4-4-aCat 374 F L		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01	
4	4	a	4-4-a	4-4-a825 Compactors		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07	
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770		0.11	0.02	1522.81	0.49	0.04		67.68	0.57	3.41	3.79	0.12		0.12	0.11		0.11	0.02	1522.81	0.49	0.04		67.68	0.57	3.41	3.79	0.12		0.12	0.11		0.11	0.02	1522.81	0.49	0.04	
4	4	a	4-4-a	4-4-aWheel Loader 986 H		0.13	0.01	1224.40	0.40	0.03		54.41	0.50	3.74	3.33	0.14		0.14	0.13		0.13	0.01	1224.40	0.40	0.03		54.41	0.50	3.74	3.33	0.14		0.14	0.13		0.13	0.01	1224.40	0.40	0.03	
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04	
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09	
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09	
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07	
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03	
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09	
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane		0.35	0.02	2028.85	0.66	0.05		90.17	0.94	9.26	7.88	0.38		0.38	0.35		0.35	0.02	2028.85	0.66	0.05		90.17	0.94	9.26	7.88	0.38		0.38	0.35		0.35	0.02	2028.85	0.66	0.05	
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657		1.20	0.10	9640.30	3.12	0.25		428.43	3.75	34.98	27.33	1.31		1.31	1.20		1.20	0.10	9640.30	3.12	0.25		428.43	3.75	34.98	27.33	1.31		1.31	1.20		1.20	0.10	9640.30	3.12	0.25	
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T		0.79	0.05	5076.07	1.64	0.13		225.59	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13		225.59	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13	
3	2	a	3-2-a	3-2-aScrapers Cat 657		0.60	0.05	4820.15	1.56	0.12		214.22	1.87	17.49	13.66	0.65		0.65	0.60		0.60	0.05	4820.15	1.56	0.12		214.22	1.87	17.49	13.66	0.65		0.65	0.60		0.60	0.05	4820.15	1.56	0.12	
3	2	a	3-2-a	3-2-aDozer D9T		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07	
3	2	a	3-2-a	3-2-aCat 140M3 Grader		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02	
3	2	a	3-2-a	3-2-aCat 374 F L		0.04	0.01	747.57	0.24	0.02		33.22	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02		33.22	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02	
3	2	a	3-2-a	3-2-a825 Compactors		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07	
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08	
3	2	a	3-2-a	3-2-aWheel Loader 986 H		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06	
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04	
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09	
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09	
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07	
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03	
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18	
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane		0.23	0.01	1352.57	0.44	0.03		60.11	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03		60.11	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03	
1	6	a	1-6-a	1-6-aScrapers Cat 657		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19	
1	6	a	1-6-a	1-6-aDozer D9T		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10	
1	6	a	1-6-a	1-6-aCat 140M3 Grader		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02	
1	6	a	1-6-a	1-6-aCat 374 F L		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01	
1	6	a	1-6-a	1-6-a825 Compactors		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10	
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08	
1	6	a	1-6-a	1-6-aWheel Loader 986 H		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06	
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04	
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09	
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09	
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07	
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03	
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		0.35	0.02	2028.85	0.66	0.05		90.17	0.94	9.26	7.88	0.38		0.38	0.35		0.35	0.02	2028.85	0.66	0.05		90.17	0.94	9.26	7.88	0.38		0.38	0.35		0.35	0.02	2028.85	0.66	0.05	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02	
2	7	a	2-7-a	2-7-aScrapers Cat 657		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19	
2	7	a	2-7-a	2-7-aDozer D9T		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10	
2	7	a	2-7-a	2-7-aCat 140M3 Grader		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02	
2	7	a	2-7-a	2-7-aCat 374 F L		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01	
2	7	a	2-7-a	2-7-a825 Compactors		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10	
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08	
2	7	a	2-7-a	2-7-aWheel Loader 986 H		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06	
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04	
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09	
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09	
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07	
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03	
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		0.23	0.01	1352.57	0.44	0.03		60.11	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03		60.11	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02	
2	8	a	2-8-a	2-8-aScrapers Cat 657		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19	
2	8	a	2-8-a	2-8-aDozer D9T		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10	
2	8	a	2-8-a	2-8-aCat 140M3 Grader		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02	
2	8	a	2-8-a	2-8-aCat 374 F L		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01	
2	8	a	2-8-a	2-8-a825 Compactors		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10	
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08	
2	8	a	2-8-a	2-8-aWheel Loader 986 H		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06	
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader		0.16	0.01	986.23	0.32	0.03		43.83	0.43	4.36	7.28	0.18		0.18	0.16		0.16	0.01	986.23	0.32	0.03		43.83	0.43	4.36	7.28	0.18		0.18	0.16		0.16	0.01	986.23	0.32	0.03	
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09	
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig		0.06	0.01	1167.87	0.38	0.03		51.90	0.25	2.06	2.49	0.07		0.07	0.06		0.06	0.01	1167.87	0.38	0.03		51.90	0.25	2.06	2.49	0.07		0.07	0.06		0.06	0.01	1167.87	0.38	0.03	
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18	
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver		0.23	0.02	1505.80	0.49	0.04		66.92	0.58	5.24	9.58	0.25		0.25	0.23		0.23	0.02	1505.80	0.49	0.04		66.92	0.58	5.24	9.58	0.25		0.25	0.23		0.23	0.02	1505.80	0.49	0.04	
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18	
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02	

Construction - Unmitigated

Equipment Emission Calcs

Value conservatively used for 2026-2029

2025

					Gal/Day	Pounds per day														Gal/Day	Pounds per day														Gal/Day
						2029															2030														
Parcel	Phase	Activity	Sch Code	lookup for daily	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	1	a	5-1-a	5-1-aScrapers Cat 657G	321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	3.97	16.46	18.13	0.61		0.61	0.61		0.61	0.08	8703.24	0.35	0.22		386.79
5	1	a	5-1-a	5-1-aDozer D9T	112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.38	5.44	6.43	0.20		0.20	0.20		0.20	0.03	3042.91	0.12	0.08		135.23
5	1	a	5-1-a	5-1-aExcavator 374 FL	33.22	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02		33.22	0.32	0.69	1.73	0.03		0.03	0.03		0.03	0.01	903.36	0.03	0.02		40.15
5	1	a	5-1-a	5-1-a825 Compactors	112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.38	5.44	6.43	0.20		0.20	0.20		0.20	0.03	3042.91	0.12	0.08		135.23
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	43.83	0.43	4.36	7.28	0.18		0.18	0.16		0.16	0.01	986.23	0.32	0.03		43.83	0.56	3.36	7.66	0.06		0.06	0.06		0.06	0.01	1174.53	0.05	0.03		52.20
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	103.80	0.51	4.11	4.99	0.14		0.14	0.13		0.13	0.02	2335.74	0.76	0.06		103.80	0.63	1.37	5.03	0.05		0.05	0.05		0.05	0.02	2840.64	0.05	0.07		126.24
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.59	2.22	4.55	0.07		0.07	0.07		0.07	0.02	2614.52	0.05	0.07		116.19
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.76	3.63	8.48	0.19		0.19	0.19		0.19	0.02	1448.93	0.07	0.04		64.39
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	31.43	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02		31.43	0.63	4.16	5.86	0.06		0.06	0.06		0.06	0.01	707.23	0.06	0.02		31.43
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.79	2.96	6.07	0.10		0.10	0.10		0.10	0.03	3486.03	0.07	0.09		154.92
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.32	1.00	1.56	0.03		0.03	0.03		0.03	0.01	814.32	0.03	0.02		36.19
4	2	a	4-2-a	4-2-aScrapers Cat 657G	428.43	3.75	34.98	27.33	1.31		1.31	1.20		1.20	0.10	9640.30	3.12	0.25		428.43	5.29	21.95	24.18	0.82		0.82	0.82		0.82	0.10	11604.32	0.47	0.30		515.72
4	2	a	4-2-a	4-2-aDozer D9T	225.59	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13		225.59	2.75	10.88	12.85	0.41		0.41	0.41		0.41	0.05	6085.82	0.25	0.16		270.46
4	2	a	4-2-a	4-2-aCat 140M3 Grader	30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.31	0.99	1.66	0.03		0.03	0.03		0.03	0.01	819.29	0.03	0.02		36.41
4	2	a	4-2-a	4-2-aCat 374 F L	33.22	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02		33.22	0.32	0.69	1.73	0.03		0.03	0.03		0.03	0.01	903.36	0.03	0.02		40.15
4	2	a	4-2-a	4-2-a825 Compactors	225.59	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13		225.59	2.75	10.88	12.85	0.41		0.41	0.41		0.41	0.05	6085.82	0.25	0.16		270.46
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.39	2.94	7.08	0.11		0.11	0.11		0.11	0.03	3644.08	0.12	0.09		161.95
4	2	a	4-2-a	4-2-aWheel Loader 986 H	108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.09	3.23	5.66	0.11		0.11	0.11		0.11	0.03	2966.35	0.09	0.08		131.83
4	2	b	4-2-b	4-2-bKomatsu PC360LC	132.89	0.73	4.62	6.68	0.16		0.16	0.15		0.15	0.03	2990.29	0.97	0.08		132.89	1.28	2.75	6.92	0.10		0.10	0.10		0.10	0.03	3613.46	0.11	0.09		160.59
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.95	2.05	7.54	0.07		0.07	0.07		0.07	0.04	4260.96	0.08	0.11		189.36
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.94	5.59	12.76	0.10		0.10	0.10		0.10	0.02	1957.56	0.08	0.05		87.00
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.59	2.22	4.55	0.07		0.07	0.07		0.07	0.02	2614.52	0.05	0.07		116.19
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.76	3.63	8.48	0.19		0.19	0.19		0.19	0.02	1448.93	0.07	0.04		64.39
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02		26.19
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.79	2.96	6.07	0.10		0.10	0.10		0.10	0.03	3486.03	0.07	0.09		154.92
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	120.22	1.25	12.35	10.51	0.50		0.50	0.46		0.46	0.03	2705.13	0.87	0.07		120.22	1.27	3.99	6.25	0.13		0.13	0.13		0.13	0.03	3257.27	0.11	0.08		144.76
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.32	1.00	1.56	0.03		0.03	0.03		0.03	0.01	814.32	0.03	0.02		36.19
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.94	5.59	12.76	0.10		0.10	0.10		0.10	0.02	1957.56	0.08	0.05		87.00
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.95	2.05	7.54	0.07		0.07	0.07		0.07	0.04	4260.96	0.08	0.11		189.36
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.79	2.96	6.07	0.10		0.10	0.10		0.10	0.03	3486.03	0.07	0.09		154.92
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.59	2.22	4.55	0.07		0.07	0.07		0.07	0.02	2614.52	0.05	0.07		116.19
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.76	3.63	8.48	0.19		0.19	0.19		0.19	0.02	1448.93	0.07	0.04		64.39
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02		26.19
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.79	2.96	6.07	0.10		0.10	0.10		0.10	0.03	3486.03	0.07	0.09		154.92
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	60.11	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03		60.11	0.64	2.00	3.12	0.07		0.07	0.07		0.07	0.01	1628.63	0.06	0.04		72.38
4	4	a	4-4-a	4-4-aScrapers Cat 657G	321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	3.97	16.46	18.13	0.61		0.61	0.61		0.61	0.08	8703.24	0.35	0.22		386.79
4	4	a	4-4-a	4-4-aDozer D9T	169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	2.06	8.16	9.64	0.31		0.31	0.31		0.31	0.04	4564.37	0.18	0.12		202.85
4	4	a	4-4-a	4-4-aCat 140M3 Grader	15.17	0.17	1.84	0.85	0.06		0.06	0.05		0.05	0.00	341.29	0.11	0.01		15.17	0.16	0.49	0.83	0.02		0.02	0.02		0.02	0.00	409.64	0.01	0.01		18.21
4	4	a	4-4-a	4-4-aCat 374 F L	16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.16	0.34	0.86	0.01		0.01	0.01		0.01	0.00	451.68	0.01	0.01		20.07
4	4	a	4-4-a	4-4-a825 Compactors	112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.38	5.44	6.43	0.20		0.20	0.20		0.20	0.03	3042.91	0.12	0.08		135.23
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	67.68	0.57	3.41	3.79	0.12		0.12	0.11		0.11	0.02	1522.81	0.49	0.04		67.68	0.69	1.47	3.54	0.05		0.05	0.05		0.05	0.02	1822.04	0.06	0.05		80.97
4	4	a	4-4-a	4-4-aWheel Loader 986 H	54.41	0.50	3.74	3.33	0.14		0.14	0.13		0.13	0.01	1224.40	0.40	0.03		54.41	0.54	1.62	2.83	0.05		0.05	0.05		0.05	0.01	1483.18	0.05	0.04		65.91
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.94	5.59	12.76	0.10		0.10	0.10		0.10	0.02	1957.56	0.08	0.05		87.00
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.95	2.05	7.54	0.07		0.07	0.07		0.07	0.04	4260.96	0.08	0.11		189.36
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.79	2.96	6.07	0.10		0.10	0.10		0.10	0.03	3486.03	0.07	0.09		154.92
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.59	2.22	4.55	0.07		0.07	0.07		0.07	0.02	2614.52	0.05	0.07		116.19
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.76	3.63	8.48	0.19		0.19	0.19		0.19	0.02	1448.93	0.07	0.04		64.39
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02		26.19
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.79	2.96	6.07	0.10		0.10	0.10		0.10	0.03	3486.03	0.07	0.09		154.92
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	90.17	0.94	9.26	7.88	0.38		0.38	0.35		0.35	0.02	2028.85	0.66	0.05		90.17	0.95	3.00	4.69	0.10		0.10	0.10		0.10	0.02	2442.95	0.09	0.06		108.57
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	428.43	3.75	34.98	27.33	1.31		1.31	1.20		1.20	0.10	9640.30	3.12	0.25		428.43	5.29	21.95	24.18	0.82		0.82	0.82		0.82	0.10	11604.32	0.47	0.30		515.72
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	225.59	2.23	20.56	18.39	0.86		0.86	0.79		0.79	0.05	5076.07	1.64	0.13		225.59	2.75	10.88	12.85	0.41		0.41	0.41		0.41	0.05	6085.82	0.25	0.16		270.46
3	2	a	3-2-a	3-2-aScrapers Cat 657	214.22	1.87	17.49	13.66	0.65		0.65	0.60		0.60	0.05	4820.15	1.56	0.12		214.22	2.64	10.98	12.09	0.41		0.41	0.41		0.41	0.05	5802.16	0.23	0.15		257.86
3	2	a	3-2-a	3-2-aDozer D9T	112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.38	5.44	6.43	0.20		0.20	0.20		0.20	0.03	3042.91	0.12	0.08		135.23
3	2	a	3-2-a	3-2-aCat 140M3 Grader	30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.31	0.99	1.66	0.03		0.03	0.03		0.03	0.01	819.29	0.03	0.02		36.41
3	2	a	3-2-a	3-2-aCat 374 F L	33.22	0.18	1.15	1.67	0.04		0.04	0.04		0.04	0.01	747.57	0.24	0.02		33.22	0.32	0.69	1.73	0.03		0.03	0.03		0.03	0.01	903.36	0.03	0.02		40.15
3	2	a	3-2-a	3-2-a825 Compactors	112.79	1.11	10.28	9.19	0.43		0.43	0.40		0.40	0.03	2538.03	0.82	0.07		112.79	1.38	5.44	6.43	0.20		0.20	0.20		0.20	0.03	3042.91	0.12	0.08		135.23
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.39	2.94	7.08	0.11		0.11	0.11		0.11	0.03	3644.08	0.12	0.09		161.95
3	2	a	3-2-a	3-2-aWheel Loader 986 H	108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.09	3.23	5.66	0.11		0.11	0.11		0.11	0.03	2966.35	0.09	0.08		131.83
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.94	5.59	12.76	0.10		0.10	0.10		0.10	0.02	1957.56	0.08	0.05		87.00
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.95	2.05	7.54	0.07		0.07	0.07		0.07	0.04	4260.96	0.08	0.11		189.36
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.79	2.96	6.07	0.10		0.10	0.10		0.10	0.03	3486.03	0.07	0.09		154.92
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.59	2.22	4.55	0.07		0.07	0.07		0.07	0.02	2614.52	0.05	0.07		116.19
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.76	3.63	8.48	0.19		0.19	0.19		0.19	0.02	1448.93	0.07	0.04		64.39
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02		26.19
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.58	5.91	12.13	0.20		0.20	0.20		0.20	0.06	6972.05	0.13	0.18		309.85
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	60.11	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03		60.11	0.64	2.00	3.12	0.07		0.07	0.07		0.07	0.01	1628.63	0.06	0.04		72.38
1	6	a	1-6-a	1-6-aScrapers Cat 657	321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	3.97	16.46	18.13	0.61		0.61	0.61		0.61	0.08	8703.24	0.35	0.22		386.79
1	6	a	1-6-a	1-6-aDozer D9T	169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	2.06	8.16	9.64	0.31		0.31	0.31		0.31	0.04	4564.37	0.18	0.12		202.85
1	6	a	1-6-a	1-6-aCat 140M3 Grader	30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.31	0.99	1.66	0.03		0.03	0.03		0.03	0.01	819.29	0.03	0.02		36.41
1	6	a	1-6-a	1-6-aCat 374 F L	16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.16	0.34	0.86	0.01		0.01	0.01		0.01	0.00	451.68	0.01	0.01		20.07
1	6	a	1-6-a	1-6-a825 Compactors	169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	2.06	8.16	9.64	0.31		0.31	0.31		0.31	0.04	4564.37	0.18	0.12		202.85
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.39	2.94	7.08	0.11		0.11	0.11		0.11	0.03	3644.08	0.12	0.09		161.95
1	6	a	1-6-a	1-6-aWheel Loader 986 H	108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.09	3.23	5.66	0.11		0.11	0.11		0.11	0.03	2966.35	0.09	0.08		131.83
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.94	5.59	12.76	0.10		0.10	0.10		0.10	0.02	1957.56	0.08	0.05		87.00
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.95	2.05	7.54	0.07		0.07	0.07		0.07	0.04	4260.96	0.08	0.11		189.36
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.79	2.96	6.07	0.10		0.10	0.10		0.10	0.03	3486.03	0.07	0.09		154.92
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.59	2.22	4.55	0.07		0.07	0.07		0.07	0.02	2614.52	0.05	0.07		116.19
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.76	3.63	8.48	0.19		0.19	0.19		0.19	0.02	1448.93	0.07	0.04		64.39
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02		26.19
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.58	5.91	12.13	0.20		0.20	0.20		0.20	0.06	6972.05	0.13	0.18		309.85
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	90.17	0.94	9.26	7.88	0.38		0.38	0.35		0.35	0.02	2028.85	0.66	0.05		90.17	0.95	3.00	4.69	0.10		0.10	0.10		0.10	0.02	2442.95	0.09	0.06		108.57
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.32	1.00	1.56	0.03		0.03	0.03		0.03	0.01	814.32	0.03	0.02		36.19
2	7	a	2-7-a	2-7-aScrapers Cat 657	321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	3.97	16.46	18.13	0.61		0.61	0.61		0.61	0.08	8703.24	0.35	0.22		386.79
2	7	a	2-7-a	2-7-aDozer D9T	169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	2.06	8.16	9.64	0.31		0.31	0.31		0.31	0.04	4564.37	0.18	0.12		202.85
2	7	a	2-7-a	2-7-aCat 140M3 Grader	30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.31	0.99	1.66	0.03		0.03	0.03		0.03	0.01	819.29	0.03	0.02		36.41
2	7	a	2-7-a	2-7-aCat 374 F L	16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.16	0.34	0.86	0.01		0.01	0.01		0.01	0.00	451.68	0.01	0.01		20.07
2	7	a	2-7-a	2-7-a825 Compactors	169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	2.06	8.16	9.64	0.31		0.31	0.31		0.31	0.04	4564.37	0.18	0.12		202.85
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.39	2.94	7.08	0.11		0.11	0.11		0.11	0.03	3644.08	0.12	0.09		161.95
2	7	a	2-7-a	2-7-aWheel Loader 986 H	108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.09	3.23	5.66	0.11		0.11	0.11		0.11	0.03	2966.35	0.09	0.08		131.83
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	73.05	0.72	7.27	12.13	0.29		0.29	0.27		0.27	0.02	1643.72	0.53	0.04		73.05	0.94	5.59	12.76	0.10		0.10	0.10		0.10	0.02	1957.56	0.08	0.05		87.00
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	155.71	0.76	6.17	7.48	0.21		0.21	0.19		0.19	0.04	3503.62	1.13	0.09		155.71	0.95	2.05	7.54	0.07		0.07	0.07		0.07	0.04	4260.96	0.08	0.11		189.36
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.79	2.96	6.07	0.10		0.10	0.10		0.10	0.03	3486.03	0.07	0.09		154.92
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.72	4.41	4.56	0.13		0.13	0.13		0.13	0.02	2614.52	0.06	0.07		116.19	0.59	2.22	4.55	0.07		0.07	0.07		0.07	0.02	2614.52	0.05	0.07		116.19
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	53.54	0.46	4.19	7.67	0.20		0.20	0.18		0.18	0.01	1204.64	0.39	0.03		53.54	0.76	3.63	8.48	0.19		0.19	0.19		0.19	0.02	1448.93	0.07	0.04		64.39
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02		26.19
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.79	2.96	6.07	0.10		0.10	0.10		0.10	0.03	3486.03	0.07	0.09		154.92
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	60.11	0.63	6.17	5.25	0.25		0.25	0.23		0.23	0.01	1352.57	0.44	0.03		60.11	0.64	2.00	3.12	0.07		0.07	0.07		0.07	0.01	1628.63	0.06	0.04		72.38
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.32	1.00	1.56	0.03		0.03	0.03		0.03	0.01	814.32	0.03	0.02		36.19
2	8	a	2-8-a	2-8-aScrapers Cat 657	321.32	2.81	26.23	20.49	0.98		0.98	0.90		0.90	0.08	7230.23	2.34	0.19		321.32	3.97	16.46	18.13	0.61		0.61	0.61		0.61	0.08	8703.24	0.35	0.22		386.79
2	8	a	2-8-a	2-8-aDozer D9T	169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	2.06	8.16	9.64	0.31		0.31	0.31		0.31	0.04	4564.37	0.18	0.12		202.85
2	8	a	2-8-a	2-8-aCat 140M3 Grader	30.33	0.33	3.69	1.70	0.12		0.12	0.11		0.11	0.01	682.58	0.22	0.02		30.33	0.31	0.99	1.66	0.03		0.03	0.03		0.03	0.01	819.29	0.03	0.02		36.41
2	8	a	2-8-a	2-8-aCat 374 F L	16.61	0.09	0.58	0.84	0.02		0.02	0.02		0.02	0.00	373.79	0.12	0.01		16.61	0.16	0.34	0.86	0.01		0.01	0.01		0.01	0.00	451.68	0.01	0.01		20.07
2	8	a	2-8-a	2-8-a825 Compactors	169.19	1.67	15.42	13.79	0.65		0.65	0.60		0.60	0.04	3807.05	1.23	0.10		169.19	2.06	8.16	9.64	0.31		0.31	0.31		0.31	0.04	4564.37	0.18	0.12		202.85
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	135.35	1.14	6.82	7.58	0.24		0.24	0.22		0.22	0.03	3045.63	0.98	0.08		135.35	1.39	2.94	7.08	0.11		0.11	0.11		0.11	0.03	3644.08	0.12	0.09		161.95
2	8	a	2-8-a	2-8-aWheel Loader 986 H	108.83	1.01	7.48	6.66	0.27		0.27	0.25		0.25	0.03	2448.79	0.79	0.06		108.83	1.09	3.23	5.66	0.11		0.11	0.11		0.11	0.03	2966.35	0.09	0.08		131.83
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	43.83	0.43	4.36	7.28	0.18		0.18	0.16		0.16	0.01	986.23	0.32	0.03		43.83	0.56	3.36	7.66	0.06		0.06	0.06		0.06	0.01	1174.53	0.05	0.03		52.20
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.96	5.88	6.09	0.17		0.17	0.17		0.17	0.03	3486.03	0.09	0.09		154.93	0.79	2.96	6.07	0.10		0.10	0.10		0.10	0.03	3486.03	0.07	0.09		154.92
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	51.90	0.25	2.06	2.49	0.07		0.07	0.06		0.06	0.01	1167.87	0.38	0.03		51.90	0.32	0.68	2.51	0.02		0.02	0.02		0.02	0.01	1420.32	0.03	0.04		63.12
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.58	5.91	12.13	0.20		0.20	0.20		0.20	0.06	6972.05	0.13	0.18		309.85
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02		26.19
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	66.92	0.58	5.24	9.58	0.25		0.25	0.23		0.23	0.02	1505.80	0.49	0.04		66.92	0.96	4.54	10.60	0.24		0.24	0.24		0.24	0.02	1811.16	0.09	0.05		80.49
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	1.91	11.75	12.17	0.34		0.34	0.34		0.34	0.06	6972.07	0.17	0.18		309.85	1.58	5.91	12.13	0.20		0.20	0.20		0.20	0.06	6972.05	0.13	0.18		309.85
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	30.06	0.31	3.09	2.63	0.13		0.13	0.12		0.12	0.01	676.28	0.22	0.02		30.06	0.32	1.00	1.56	0.03		0.03	0.03		0.03	0.01	814.32	0.03	0.02		36.19

Construction - Unmitigated

Worker Commute

							Pounds per day													Gal/Day	Poun						
							2017																				
Parcel	Phase	Activity	Sch Code	Vehicle Type	Number of workers/Day	Mi/Day (2 trips per worker per day)	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex
5	6	a	5-1-a	LDA/LDT/MDV	15	372	0.16	0.13	1.29	0.04	0.68	0.72	0.02	0.17	0.19	0.00	295.28			15.54	15.82	0.14	0.11	1.15	0.04	0.68	0.72	0.02
5	6	c	5-1-c	LDA/LDT/MDV	80	1,984	0.83	0.70	6.88	0.21	3.65	3.85	0.09	0.91	1.00	0.02	1574.85			82.89	84.37	0.74	0.61	6.11	0.21	3.65	3.85	0.09
5	6	d	5-1-d	LDA/LDT/MDV	100	2,480	1.03	0.87	8.60	0.26	4.56	4.81	0.11	1.14	1.25	0.02	1968.57			103.61	105.46	0.93	0.76	7.64	0.26	4.56	4.81	0.11
5	6	e	5-1-e	LDA/LDT/MDV	500	12,400	5.17	4.35	43.00	1.28	22.78	24.07	0.54	5.70	6.24	0.10	9842.83			518.04	527.31	4.65	3.81	38.21	1.28	22.78	24.07	0.54
4	7	a	4-2-a	LDA/LDT/MDV	30	744	0.31	0.26	2.58	0.08	1.37	1.44	0.03	0.34	0.37	0.01	590.57			31.08	31.64	0.28	0.23	2.29	0.08	1.37	1.44	0.03
4	7	b	4-2-b	LDA/LDT/MDV	30	744	0.31	0.26	2.58	0.08	1.37	1.44	0.03	0.34	0.37	0.01	590.57			31.08	31.64	0.28	0.23	2.29	0.08	1.37	1.44	0.03
4	7	c	4-2-c	LDA/LDT/MDV	150	3,720	1.55	1.31	12.90	0.39	6.83	7.22	0.16	1.71	1.87	0.03	2952.85			155.41	158.19	1.40	1.14	11.46	0.39	6.83	7.22	0.16
4	7	d	4-2-d	LDA/LDT/MDV	200	4,960	2.07	1.74	17.20	0.51	9.11	9.63	0.22	2.28	2.49	0.04	3937.13			207.22	210.92	1.86	1.52	15.28	0.51	9.11	9.63	0.22
4	7	e	4-2-e	LDA/LDT/MDV	1200	29,760	12.41	10.45	103.20	3.08	54.68	57.76	1.30	13.67	14.97	0.24	23622.78			1243.30	1265.55	11.16	9.14	91.69	3.08	54.68	57.76	1.30
4	8	c	4-3-c	LDA/LDT/MDV	150	3,720	1.55	1.31	12.90	0.39	6.83	7.22	0.16	1.71	1.87	0.03	2952.85			155.41	158.19	1.40	1.14	11.46	0.39	6.83	7.22	0.16
4	8	d	4-3-d	LDA/LDT/MDV	200	4,960	2.07	1.74	17.20	0.51	9.11	9.63	0.22	2.28	2.49	0.04	3937.13			207.22	210.92	1.86	1.52	15.28	0.51	9.11	9.63	0.22
4	8	e	4-3-e	LDA/LDT/MDV	550	13,640	5.69	4.79	47.30	1.41	25.06	26.47	0.60	6.26	6.86	0.11	10827.11			569.85	580.04	5.12	4.19	42.03	1.41	25.06	26.47	0.59
4	5	a	4-4-a	LDA/LDT/MDV	30	744	0.31	0.26	2.58	0.08	1.37	1.44	0.03	0.34	0.37	0.01	590.57			31.08	31.64	0.28	0.23	2.29	0.08	1.37	1.44	0.03
4	5	c	4-4-c	LDA/LDT/MDV	150	3,720	1.55	1.31	12.90	0.39	6.83	7.22	0.16	1.71	1.87	0.03	2952.85			155.41	158.19	1.40	1.14	11.46	0.39	6.83	7.22	0.16
4	5	d	4-4-d	LDA/LDT/MDV	200	4,960	2.07	1.74	17.20	0.51	9.11	9.63	0.22	2.28	2.49	0.04	3937.13			207.22	210.92	1.86	1.52	15.28	0.51	9.11	9.63	0.22
4	5	e	4-4-e	LDA/LDT/MDV	550	13,640	5.69	4.79	47.30	1.41	25.06	26.47	0.60	6.26	6.86	0.11	10827.11			569.85	580.04	5.12	4.19	42.03	1.41	25.06	26.47	0.59
3	5	t	3-2-dirt	LDA/LDT/MDV	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	2A	a	3-2-a	LDA/LDT/MDV	30	744	0.31	0.26	2.58	0.08	1.37	1.44	0.03	0.34	0.37	0.01	590.57			31.08	31.64	0.28	0.23	2.29	0.08	1.37	1.44	0.03
3	2A	c	3-5-c	LDA/LDT/MDV	150	3,720	1.55	1.31	12.90	0.39	6.83	7.22	0.16	1.71	1.87	0.03	2952.85			155.41	158.19	1.40	1.14	11.46	0.39	6.83	7.22	0.16
3	2B	d	3-5-d	LDA/LDT/MDV	200	4,960	2.07	1.74	17.20	0.51	9.11	9.63	0.22	2.28	2.49	0.04	3937.13			207.22	210.92	1.86	1.52	15.28	0.51	9.11	9.63	0.22
3	2B	e	3-5-e	LDA/LDT/MDV	550	13,640	5.69	4.79	47.30	1.41	25.06	26.47	0.60	6.26	6.86	0.11	10827.11			569.85	580.04	5.12	4.19	42.03	1.41	25.06	26.47	0.59
1	2B	a	1-6-a	LDA/LDT/MDV	30	744	0.31	0.26	2.58	0.08	1.37	1.44	0.03	0.34	0.37	0.01	590.57			31.08	31.64	0.28	0.23	2.29	0.08	1.37	1.44	0.03
1	3	c	1-6-c	LDA/LDT/MDV	150	3,720	1.55	1.31	12.90	0.39	6.83	7.22	0.16	1.71	1.87	0.03	2952.85			155.41	158.19	1.40	1.14	11.46	0.39	6.83	7.22	0.16
1	3	d	1-6-d	LDA/LDT/MDV	200	4,960	2.07	1.74	17.20	0.51	9.11	9.63	0.22	2.28	2.49	0.04	3937.13			207.22	210.92	1.86	1.52	15.28	0.51	9.11	9.63	0.22
1	3	e	1-6-e	LDA/LDT/MDV	700	17,360	7.24	6.10	60.20	1.80	31.89	33.69	0.76	7.97	8.73	0.14	13779.96			725.26	738.24	6.51	5.33	53.49	1.80	31.89	33.69	0.76
2	3	a	2-7-a	LDA/LDT/MDV	30	744	0.31	0.26	2.58	0.08	1.37	1.44	0.03	0.34	0.37	0.01	590.57			31.08	31.64	0.28	0.23	2.29	0.08	1.37	1.44	0.03
2	4	c	2-7-c	LDA/LDT/MDV	60	1,488	0.62	0.52	5.16	0.15	2.73	2.89	0.06	0.68	0.75	0.01	1181.14			62.17	63.28	0.56	0.46	4.58	0.15	2.73	2.89	0.06
2	4	d	2-7-d	LDA/LDT/MDV	80	1,984	0.83	0.70	6.88	0.21	3.65	3.85	0.09	0.91	1.00	0.02	1574.85			82.89	84.37	0.74	0.61	6.11	0.21	3.65	3.85	0.09
2	4	e	2-7-e	LDA/LDT/MDV	500	12,400	5.17	4.35	43.00	1.28	22.78	24.07	0.54	5.70	6.24	0.10	9842.83			518.04	527.31	4.65	3.81	38.21	1.28	22.78	24.07	0.54
2	4	a	2-8-a	LDA/LDT/MDV	30	744	0.31	0.26	2.58	0.08	1.37	1.44	0.03	0.34	0.37	0.01	590.57			31.08	31.64	0.28	0.23	2.29	0.08	1.37	1.44	0.03
2	1	c	2-8-c	LDA/LDT/MDV	60	1,488	0.62	0.52	5.16	0.15	2.73	2.89	0.06	0.68	0.75	0.01	1181.14			62.17	63.28	0.56	0.46	4.58	0.15	2.73	2.89	0.06
2	1	d	2-8-d	LDA/LDT/MDV	80	1,984	0.83	0.70	6.88	0.21	3.65	3.85	0.09	0.91	1.00	0.02	1574.85			82.89	84.37	0.74	0.61	6.11	0.21	3.65	3.85	0.09
2	1	e	2-8-e	LDA/LDT/MDV	500	12,400	5.17	4.35	43.00	1.28	22.78	24.07	0.54	5.70	6.24	0.10	9842.83			518.04	527.31	4.65	3.81	38.21	1.28	22.78	24.07	0.54

Construction - Unmitigated

Worker Commute

				ds per day							Gal/Day	Pounds per day														Gal/Day					
				2018								2019																			
Parcel	Phase	Activity	Sch Code	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D
5	6	a	5-1-a	0.17	0.19	0.00	286.54			15.08	15.34	0.13	0.10	1.03	0.04	0.68	0.72	0.02	0.17	0.19	0.00	277.40			14.60	14.84	0.12	0.09	0.93	0.04	0.68
5	6	c	5-1-c	0.91	1.00	0.02	1528.20			80.43	81.81	0.68	0.54	5.47	0.21	3.65	3.85	0.09	0.91	1.00	0.01	1479.46			77.87	79.15	0.62	0.47	4.96	0.21	3.65
5	6	d	5-1-d	1.14	1.25	0.02	1910.25			100.54	102.26	0.84	0.67	6.84	0.26	4.56	4.81	0.11	1.14	1.25	0.02	1849.33			97.33	98.94	0.78	0.59	6.20	0.26	4.56
5	6	e	5-1-e	5.70	6.24	0.10	9551.27			502.70	511.32	4.22	3.35	34.20	1.28	22.78	24.07	0.54	5.70	6.24	0.09	9246.65			486.67	494.71	3.89	2.97	30.99	1.28	22.78
4	7	a	4-2-a	0.34	0.37	0.01	573.08			30.16	30.68	0.25	0.20	2.05	0.08	1.37	1.44	0.03	0.34	0.37	0.01	554.80			29.20	29.68	0.23	0.18	1.86	0.08	1.37
4	7	b	4-2-b	0.34	0.37	0.01	573.08			30.16	30.68	0.25	0.20	2.05	0.08	1.37	1.44	0.03	0.34	0.37	0.01	554.80			29.20	29.68	0.23	0.18	1.86	0.08	1.37
4	7	c	4-2-c	1.71	1.87	0.03	2865.38			150.81	153.40	1.27	1.00	10.26	0.39	6.83	7.22	0.16	1.71	1.87	0.03	2774.00			146.00	148.41	1.17	0.89	9.30	0.38	6.83
4	7	d	4-2-d	2.28	2.49	0.04	3820.51			201.08	204.53	1.69	1.34	13.68	0.51	9.11	9.63	0.22	2.28	2.49	0.04	3698.66			194.67	197.88	1.55	1.19	12.40	0.51	9.11
4	7	e	4-2-e	13.67	14.97	0.23	22923.05			1206.48	1227.17	10.13	8.04	82.08	3.08	54.68	57.76	1.30	13.67	14.97	0.22	22191.96			1168.00	1187.31	9.33	7.12	74.39	3.08	54.68
4	8	c	4-3-c	1.71	1.87	0.03	2865.38			150.81	153.40	1.27	1.00	10.26	0.39	6.83	7.22	0.16	1.71	1.87	0.03	2774.00			146.00	148.41	1.17	0.89	9.30	0.38	6.83
4	8	d	4-3-d	2.28	2.49	0.04	3820.51			201.08	204.53	1.69	1.34	13.68	0.51	9.11	9.63	0.22	2.28	2.49	0.04	3698.66			194.67	197.88	1.55	1.19	12.40	0.51	9.11
4	8	e	4-3-e	6.26	6.86	0.11	10506.40			552.97	562.45	4.64	3.68	37.62	1.41	25.06	26.47	0.59	6.26	6.86	0.10	10171.32			535.33	544.18	4.27	3.26	34.09	1.41	25.06
4	5	a	4-4-a	0.34	0.37	0.01	573.08			30.16	30.68	0.25	0.20	2.05	0.08	1.37	1.44	0.03	0.34	0.37	0.01	554.80			29.20	29.68	0.23	0.18	1.86	0.08	1.37
4	5	c	4-4-c	1.71	1.87	0.03	2865.38			150.81	153.40	1.27	1.00	10.26	0.39	6.83	7.22	0.16	1.71	1.87	0.03	2774.00			146.00	148.41	1.17	0.89	9.30	0.38	6.83
4	5	d	4-4-d	2.28	2.49	0.04	3820.51			201.08	204.53	1.69	1.34	13.68	0.51	9.11	9.63	0.22	2.28	2.49	0.04	3698.66			194.67	197.88	1.55	1.19	12.40	0.51	9.11
4	5	e	4-4-e	6.26	6.86	0.11	10506.40			552.97	562.45	4.64	3.68	37.62	1.41	25.06	26.47	0.59	6.26	6.86	0.10	10171.32			535.33	544.18	4.27	3.26	34.09	1.41	25.06
3	5	t	3-2-dirt	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	2A	a	3-2-a	0.34	0.37	0.01	573.08			30.16	30.68	0.25	0.20	2.05	0.08	1.37	1.44	0.03	0.34	0.37	0.01	554.80			29.20	29.68	0.23	0.18	1.86	0.08	1.37
3	2A	c	3-5-c	1.71	1.87	0.03	2865.38			150.81	153.40	1.27	1.00	10.26	0.39	6.83	7.22	0.16	1.71	1.87	0.03	2774.00			146.00	148.41	1.17	0.89	9.30	0.38	6.83
3	2B	d	3-5-d	2.28	2.49	0.04	3820.51			201.08	204.53	1.69	1.34	13.68	0.51	9.11	9.63	0.22	2.28	2.49	0.04	3698.66			194.67	197.88	1.55	1.19	12.40	0.51	9.11
3	2B	e	3-5-e	6.26	6.86	0.11	10506.40			552.97	562.45	4.64	3.68	37.62	1.41	25.06	26.47	0.59	6.26	6.86	0.10	10171.32			535.33	544.18	4.27	3.26	34.09	1.41	25.06
1	2B	a	1-6-a	0.34	0.37	0.01	573.08			30.16	30.68	0.25	0.20	2.05	0.08	1.37	1.44	0.03	0.34	0.37	0.01	554.80			29.20	29.68	0.23	0.18	1.86	0.08	1.37
1	3	c	1-6-c	1.71	1.87	0.03	2865.38			150.81	153.40	1.27	1.00	10.26	0.39	6.83	7.22	0.16	1.71	1.87	0.03	2774.00			146.00	148.41	1.17	0.89	9.30	0.38	6.83
1	3	d	1-6-d	2.28	2.49	0.04	3820.51			201.08	204.53	1.69	1.34	13.68	0.51	9.11	9.63	0.22	2.28	2.49	0.04	3698.66			194.67	197.88	1.55	1.19	12.40	0.51	9.11
1	3	e	1-6-e	7.97	8.73	0.13	13371.78			703.78	715.85	5.91	4.69	47.88	1.80	31.89	33.69	0.76	7.97	8.73	0.13	12945.31			681.33	692.60	5.44	4.15	43.39	1.80	31.89
2	3	a	2-7-a	0.34	0.37	0.01	573.08			30.16	30.68	0.25	0.20	2.05	0.08	1.37	1.44	0.03	0.34	0.37	0.01	554.80			29.20	29.68	0.23	0.18	1.86	0.08	1.37
2	4	c	2-7-c	0.68	0.75	0.01	1146.15			60.32	61.36	0.51	0.40	4.10	0.15	2.73	2.89	0.06	0.68	0.75	0.01	1109.60			58.40	59.37	0.47	0.36	3.72	0.15	2.73
2	4	d	2-7-d	0.91	1.00	0.02	1528.20			80.43	81.81	0.68	0.54	5.47	0.21	3.65	3.85	0.09	0.91	1.00	0.01	1479.46			77.87	79.15	0.62	0.47	4.96	0.21	3.65
2	4	e	2-7-e	5.70	6.24	0.10	9551.27			502.70	511.32	4.22	3.35	34.20	1.28	22.78	24.07	0.54	5.70	6.24	0.09	9246.65			486.67	494.71	3.89	2.97	30.99	1.28	22.78
2	4	a	2-8-a	0.34	0.37	0.01	573.08			30.16	30.68	0.25	0.20	2.05	0.08	1.37	1.44	0.03	0.34	0.37	0.01	554.80			29.20	29.68	0.23	0.18	1.86	0.08	1.37
2	1	c	2-8-c	0.68	0.75	0.01	1146.15			60.32	61.36	0.51	0.40	4.10	0.15	2.73	2.89	0.06	0.68	0.75	0.01	1109.60			58.40	59.37	0.47	0.36	3.72	0.15	2.73
2	1	d	2-8-d	0.91	1.00	0.02	1528.20			80.43	81.81	0.68	0.54	5.47	0.21	3.65	3.85	0.09	0.91	1.00	0.01	1479.46			77.87	79.15	0.62	0.47	4.96	0.21	3.65
2	1	e	2-8-e	5.70	6.24	0.10	9551.27			502.70	511.32	4.22	3.35	34.20	1.28	22.78	24.07	0.54	5.70	6.24	0.09	9246.65			486.67	494.71	3.89	2.97	30.99	1.28	22.78

Construction - Unmitigated

Worker Commute

				Pounds per day									Gal/Day	Pounds per day														Gal/Day			
				2020										2021																	
Parcel	Phase	Activity	Sch Code	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO
5	6	a	5-1-a	0.72	0.02	0.17	0.19	0.00	268.17			14.11	14.34	0.11	0.08	0.85	0.04	0.68	0.72	0.02	0.17	0.19	0.00	258.42			13.60	13.81	0.10	0.07	0.78
5	6	c	5-1-c	3.85	0.09	0.91	1.00	0.01	1430.22			75.27	76.48	0.58	0.42	4.52	0.21	3.65	3.85	0.09	0.91	1.00	0.01	1378.23			72.54	73.67	0.54	0.38	4.14
5	6	d	5-1-d	4.81	0.11	1.14	1.25	0.02	1787.78			94.09	95.60	0.72	0.53	5.65	0.26	4.56	4.81	0.11	1.14	1.25	0.02	1722.79			90.67	92.09	0.67	0.47	5.18
5	6	e	5-1-e	24.06	0.54	5.70	6.24	0.09	8938.90			470.47	478.02	3.60	2.64	28.25	1.28	22.78	24.06	0.54	5.70	6.23	0.09	8613.94			453.37	460.46	3.36	2.35	25.88
4	7	a	4-2-a	1.44	0.03	0.34	0.37	0.01	536.33			28.23	28.68	0.22	0.16	1.69	0.08	1.37	1.44	0.03	0.34	0.37	0.01	516.84			27.20	27.63	0.20	0.14	1.55
4	7	b	4-2-b	1.44	0.03	0.34	0.37	0.01	536.33			28.23	28.68	0.22	0.16	1.69	0.08	1.37	1.44	0.03	0.34	0.37	0.01	516.84			27.20	27.63	0.20	0.14	1.55
4	7	c	4-2-c	7.22	0.16	1.71	1.87	0.03	2681.67			141.14	143.41	1.08	0.79	8.47	0.38	6.83	7.22	0.16	1.71	1.87	0.03	2584.18			136.01	138.14	1.01	0.71	7.76
4	7	d	4-2-d	9.63	0.22	2.28	2.49	0.04	3575.56			188.19	191.21	1.44	1.05	11.30	0.51	9.11	9.63	0.22	2.28	2.49	0.03	3445.58			181.35	184.18	1.35	0.94	10.35
4	7	e	4-2-e	57.76	1.30	13.67	14.97	0.22	21453.35			1129.12	1147.24	8.65	6.33	67.79	3.08	54.68	57.75	1.29	13.67	14.96	0.21	20673.47			1088.08	1105.10	8.07	5.65	62.11
4	8	c	4-3-c	7.22	0.16	1.71	1.87	0.03	2681.67			141.14	143.41	1.08	0.79	8.47	0.38	6.83	7.22	0.16	1.71	1.87	0.03	2584.18			136.01	138.14	1.01	0.71	7.76
4	8	d	4-3-d	9.63	0.22	2.28	2.49	0.04	3575.56			188.19	191.21	1.44	1.05	11.30	0.51	9.11	9.63	0.22	2.28	2.49	0.03	3445.58			181.35	184.18	1.35	0.94	10.35
4	8	e	4-3-e	26.47	0.59	6.26	6.86	0.10	9832.78			517.51	525.82	3.96	2.90	31.07	1.41	25.06	26.47	0.59	6.26	6.86	0.10	9475.34			498.70	506.50	3.70	2.59	28.47
4	5	a	4-4-a	1.44	0.03	0.34	0.37	0.01	536.33			28.23	28.68	0.22	0.16	1.69	0.08	1.37	1.44	0.03	0.34	0.37	0.01	516.84			27.20	27.63	0.20	0.14	1.55
4	5	c	4-4-c	7.22	0.16	1.71	1.87	0.03	2681.67			141.14	143.41	1.08	0.79	8.47	0.38	6.83	7.22	0.16	1.71	1.87	0.03	2584.18			136.01	138.14	1.01	0.71	7.76
4	5	d	4-4-d	9.63	0.22	2.28	2.49	0.04	3575.56			188.19	191.21	1.44	1.05	11.30	0.51	9.11	9.63	0.22	2.28	2.49	0.03	3445.58			181.35	184.18	1.35	0.94	10.35
4	5	e	4-4-e	26.47	0.59	6.26	6.86	0.10	9832.78			517.51	525.82	3.96	2.90	31.07	1.41	25.06	26.47	0.59	6.26	6.86	0.10	9475.34			498.70	506.50	3.70	2.59	28.47
3	5	t	3-2-dirt	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00
3	2A	a	3-2-a	1.44	0.03	0.34	0.37	0.01	536.33			28.23	28.68	0.22	0.16	1.69	0.08	1.37	1.44	0.03	0.34	0.37	0.01	516.84			27.20	27.63	0.20	0.14	1.55
3	2A	c	3-5-c	7.22	0.16	1.71	1.87	0.03	2681.67			141.14	143.41	1.08	0.79	8.47	0.38	6.83	7.22	0.16	1.71	1.87	0.03	2584.18			136.01	138.14	1.01	0.71	7.76
3	2B	d	3-5-d	9.63	0.22	2.28	2.49	0.04	3575.56			188.19	191.21	1.44	1.05	11.30	0.51	9.11	9.63	0.22	2.28	2.49	0.03	3445.58			181.35	184.18	1.35	0.94	10.35
3	2B	e	3-5-e	26.47	0.59	6.26	6.86	0.10	9832.78			517.51	525.82	3.96	2.90	31.07	1.41	25.06	26.47	0.59	6.26	6.86	0.10	9475.34			498.70	506.50	3.70	2.59	28.47
1	2B	a	1-6-a	1.44	0.03	0.34	0.37	0.01	536.33			28.23	28.68	0.22	0.16	1.69	0.08	1.37	1.44	0.03	0.34	0.37	0.01	516.84			27.20	27.63	0.20	0.14	1.55
1	3	c	1-6-c	7.22	0.16	1.71	1.87	0.03	2681.67			141.14	143.41	1.08	0.79	8.47	0.38	6.83	7.22	0.16	1.71	1.87	0.03	2584.18			136.01	138.14	1.01	0.71	7.76
1	3	d	1-6-d	9.63	0.22	2.28	2.49	0.04	3575.56			188.19	191.21	1.44	1.05	11.30	0.51	9.11	9.63	0.22	2.28	2.49	0.03	3445.58			181.35	184.18	1.35	0.94	10.35
1	3	e	1-6-e	33.69	0.76	7.97	8.73	0.13	12514.45			658.66	669.22	5.04	3.69	39.55	1.80	31.89	33.69	0.76	7.97	8.73	0.12	12059.52			634.71	644.64	4.71	3.29	36.23
2	3	a	2-7-a	1.44	0.03	0.34	0.37	0.01	536.33			28.23	28.68	0.22	0.16	1.69	0.08	1.37	1.44	0.03	0.34	0.37	0.01	516.84			27.20	27.63	0.20	0.14	1.55
2	4	c	2-7-c	2.89	0.06	0.68	0.75	0.01	1072.67			56.46	57.36	0.43	0.32	3.39	0.15	2.73	2.89	0.06	0.68	0.75	0.01	1033.67			54.40	55.26	0.40	0.28	3.11
2	4	d	2-7-d	3.85	0.09	0.91	1.00	0.01	1430.22			75.27	76.48	0.58	0.42	4.52	0.21	3.65	3.85	0.09	0.91	1.00	0.01	1378.23			72.54	73.67	0.54	0.38	4.14
2	4	e	2-7-e	24.06	0.54	5.70	6.24	0.09	8938.90			470.47	478.02	3.60	2.64	28.25	1.28	22.78	24.06	0.54	5.70	6.23	0.09	8613.94			453.37	460.46	3.36	2.35	25.88
2	4	a	2-8-a	1.44	0.03	0.34	0.37	0.01	536.33			28.23	28.68	0.22	0.16	1.69	0.08	1.37	1.44	0.03	0.34	0.37	0.01	516.84			27.20	27.63	0.20	0.14	1.55
2	1	c	2-8-c	2.89	0.06	0.68	0.75	0.01	1072.67			56.46	57.36	0.43	0.32	3.39	0.15	2.73	2.89	0.06	0.68	0.75	0.01	1033.67			54.40	55.26	0.40	0.28	3.11
2	1	d	2-8-d	3.85	0.09	0.91	1.00	0.01	1430.22			75.27	76.48	0.58	0.42	4.52	0.21	3.65	3.85	0.09	0.91	1.00	0.01	1378.23			72.54	73.67	0.54	0.38	4.14
2	1	e	2-8-e	24.06	0.54	5.70	6.24	0.09	8938.90			470.47	478.02	3.60	2.64	28.25	1.28	22.78	24.06	0.54	5.70	6.23	0.09	8613.94			453.37	460.46	3.36	2.35	25.88

Construction - Unmitigated

Worker Commute

				Pounds per day											Gal/Day	Pounds per day														Gal/Day	
				2022												2023															
Parcel	Phase	Activity	Sch Code	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG
5	6	a	5-1-a	0.04	0.68	0.72	0.02	0.17	0.19	0.00	248.69			13.09	13.29	0.09	0.06	0.72	0.04	0.68	0.72	0.02	0.17	0.19	0.00	238.58			12.56	12.75	0.09
5	6	c	5-1-c	0.21	3.65	3.85	0.09	0.91	1.00	0.01	1326.34			69.81	70.88	0.51	0.34	3.83	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1272.41			66.97	67.98	0.48
5	6	d	5-1-d	0.26	4.56	4.81	0.11	1.14	1.25	0.02	1657.93			87.26	88.59	0.63	0.42	4.79	0.26	4.56	4.81	0.11	1.14	1.25	0.02	1590.52			83.71	84.97	0.60
5	6	e	5-1-e	1.28	22.78	24.06	0.54	5.70	6.23	0.08	8289.63			436.30	442.97	3.16	2.12	23.94	1.28	22.78	24.06	0.54	5.70	6.23	0.08	7952.58			418.56	424.85	2.98
4	7	a	4-2-a	0.08	1.37	1.44	0.03	0.34	0.37	0.00	497.38			26.18	26.58	0.19	0.13	1.44	0.08	1.37	1.44	0.03	0.34	0.37	0.00	477.16			25.11	25.49	0.18
4	7	b	4-2-b	0.08	1.37	1.44	0.03	0.34	0.37	0.00	497.38			26.18	26.58	0.19	0.13	1.44	0.08	1.37	1.44	0.03	0.34	0.37	0.00	477.16			25.11	25.49	0.18
4	7	c	4-2-c	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2486.89			130.89	132.89	0.95	0.64	7.18	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2385.78			125.57	127.46	0.90
4	7	d	4-2-d	0.51	9.11	9.63	0.22	2.28	2.49	0.03	3315.85			174.52	177.19	1.26	0.85	9.58	0.51	9.11	9.62	0.22	2.28	2.49	0.03	3181.03			167.42	169.94	1.19
4	7	e	4-2-e	3.08	54.68	57.75	1.29	13.67	14.96	0.20	19895.12			1047.11	1063.14	7.59	5.08	57.45	3.07	54.68	57.75	1.29	13.67	14.96	0.19	19086.20			1004.54	1019.65	7.16
4	8	c	4-3-c	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2486.89			130.89	132.89	0.95	0.64	7.18	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2385.78			125.57	127.46	0.90
4	8	d	4-3-d	0.51	9.11	9.63	0.22	2.28	2.49	0.03	3315.85			174.52	177.19	1.26	0.85	9.58	0.51	9.11	9.62	0.22	2.28	2.49	0.03	3181.03			167.42	169.94	1.19
4	8	e	4-3-e	1.41	25.06	26.47	0.59	6.26	6.86	0.09	9118.60			479.93	487.27	3.48	2.33	26.33	1.41	25.06	26.47	0.59	6.26	6.86	0.09	8747.84			460.41	467.34	3.28
4	5	a	4-4-a	0.08	1.37	1.44	0.03	0.34	0.37	0.00	497.38			26.18	26.58	0.19	0.13	1.44	0.08	1.37	1.44	0.03	0.34	0.37	0.00	477.16			25.11	25.49	0.18
4	5	c	4-4-c	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2486.89			130.89	132.89	0.95	0.64	7.18	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2385.78			125.57	127.46	0.90
4	5	d	4-4-d	0.51	9.11	9.63	0.22	2.28	2.49	0.03	3315.85			174.52	177.19	1.26	0.85	9.58	0.51	9.11	9.62	0.22	2.28	2.49	0.03	3181.03			167.42	169.94	1.19
4	5	e	4-4-e	1.41	25.06	26.47	0.59	6.26	6.86	0.09	9118.60			479.93	487.27	3.48	2.33	26.33	1.41	25.06	26.47	0.59	6.26	6.86	0.09	8747.84			460.41	467.34	3.28
3	5	t	3-2-dirt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00
3	2A	a	3-2-a	0.08	1.37	1.44	0.03	0.34	0.37	0.00	497.38			26.18	26.58	0.19	0.13	1.44	0.08	1.37	1.44	0.03	0.34	0.37	0.00	477.16			25.11	25.49	0.18
3	2A	c	3-5-c	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2486.89			130.89	132.89	0.95	0.64	7.18	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2385.78			125.57	127.46	0.90
3	2B	d	3-5-d	0.51	9.11	9.63	0.22	2.28	2.49	0.03	3315.85			174.52	177.19	1.26	0.85	9.58	0.51	9.11	9.62	0.22	2.28	2.49	0.03	3181.03			167.42	169.94	1.19
3	2B	e	3-5-e	1.41	25.06	26.47	0.59	6.26	6.86	0.09	9118.60			479.93	487.27	3.48	2.33	26.33	1.41	25.06	26.47	0.59	6.26	6.86	0.09	8747.84			460.41	467.34	3.28
1	2B	a	1-6-a	0.08	1.37	1.44	0.03	0.34	0.37	0.00	497.38			26.18	26.58	0.19	0.13	1.44	0.08	1.37	1.44	0.03	0.34	0.37	0.00	477.16			25.11	25.49	0.18
1	3	c	1-6-c	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2486.89			130.89	132.89	0.95	0.64	7.18	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2385.78			125.57	127.46	0.90
1	3	d	1-6-d	0.51	9.11	9.63	0.22	2.28	2.49	0.03	3315.85			174.52	177.19	1.26	0.85	9.58	0.51	9.11	9.62	0.22	2.28	2.49	0.03	3181.03			167.42	169.94	1.19
1	3	e	1-6-e	1.79	31.89	33.69	0.75	7.97	8.73	0.12	11605.49			610.82	620.16	4.43	2.96	33.52	1.79	31.89	33.69	0.75	7.97	8.73	0.11	11133.62			585.98	594.80	4.18
2	3	a	2-7-a	0.08	1.37	1.44	0.03	0.34	0.37	0.00	497.38			26.18	26.58	0.19	0.13	1.44	0.08	1.37	1.44	0.03	0.34	0.37	0.00	477.16			25.11	25.49	0.18
2	4	c	2-7-c	0.15	2.73	2.89	0.06	0.68	0.75	0.01	994.76			52.36	53.16	0.38	0.25	2.87	0.15	2.73	2.89	0.06	0.68	0.75	0.01	954.31			50.23	50.98	0.36
2	4	d	2-7-d	0.21	3.65	3.85	0.09	0.91	1.00	0.01	1326.34			69.81	70.88	0.51	0.34	3.83	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1272.41			66.97	67.98	0.48
2	4	e	2-7-e	1.28	22.78	24.06	0.54	5.70	6.23	0.08	8289.63			436.30	442.97	3.16	2.12	23.94	1.28	22.78	24.06	0.54	5.70	6.23	0.08	7952.58			418.56	424.85	2.98
2	4	a	2-8-a	0.08	1.37	1.44	0.03	0.34	0.37	0.00	497.38			26.18	26.58	0.19	0.13	1.44	0.08	1.37	1.44	0.03	0.34	0.37	0.00	477.16			25.11	25.49	0.18
2	1	c	2-8-c	0.15	2.73	2.89	0.06	0.68	0.75	0.01	994.76			52.36	53.16	0.38	0.25	2.87	0.15	2.73	2.89	0.06	0.68	0.75	0.01	954.31			50.23	50.98	0.36
2	1	d	2-8-d	0.21	3.65	3.85	0.09	0.91	1.00	0.01	1326.34			69.81	70.88	0.51	0.34	3.83	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1272.41			66.97	67.98	0.48
2	1	e	2-8-e	1.28	22.78	24.06	0.54	5.70	6.23	0.08	8289.63			436.30	442.97	3.16	2.12	23.94	1.28	22.78	24.06	0.54	5.70	6.23	0.08	7952.58			418.56	424.85	2.98

Construction - Unmitigated

Worker Commute

				Pounds per day													Gal/Day	Pounds per day													
				2024														2025													
Parcel	Phase	Activity	Sch Code	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other
5	6	a	5-1-a	0.06	0.67	0.04	0.68	0.72	0.02	0.17	0.19	0.00	228.39			12.02	12.20	0.09	0.05	0.62	0.04	0.68	0.72	0.02	0.17	0.19	0.00	217.47			11.45
5	6	c	5-1-c	0.31	3.55	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1218.09			64.11	65.06	0.45	0.28	3.31	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1159.83			61.04
5	6	d	5-1-d	0.38	4.44	0.26	4.56	4.81	0.11	1.14	1.25	0.02	1522.61			80.14	81.33	0.57	0.35	4.14	0.26	4.56	4.81	0.11	1.14	1.25	0.01	1449.78			76.30
5	6	e	5-1-e	1.91	22.21	1.28	22.78	24.06	0.54	5.70	6.23	0.08	7613.04			400.69	406.63	2.84	1.74	20.68	1.28	22.78	24.06	0.54	5.70	6.23	0.07	7248.91			381.52
4	7	a	4-2-a	0.11	1.33	0.08	1.37	1.44	0.03	0.34	0.37	0.00	456.78			24.04	24.40	0.17	0.10	1.24	0.08	1.37	1.44	0.03	0.34	0.37	0.00	434.93			22.89
4	7	b	4-2-b	0.11	1.33	0.08	1.37	1.44	0.03	0.34	0.37	0.00	456.78			24.04	24.40	0.17	0.10	1.24	0.08	1.37	1.44	0.03	0.34	0.37	0.00	434.93			22.89
4	7	c	4-2-c	0.57	6.66	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2283.91			120.21	121.99	0.85	0.52	6.20	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2174.67			114.46
4	7	d	4-2-d	0.76	8.89	0.51	9.11	9.62	0.21	2.28	2.49	0.03	3045.22			160.27	162.65	1.14	0.70	8.27	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2899.56			152.61
4	7	e	4-2-e	4.59	53.31	3.07	54.68	57.75	1.29	13.67	14.96	0.18	18271.30			961.65	975.90	6.81	4.17	49.64	3.07	54.68	57.75	1.29	13.67	14.96	0.17	17397.38			915.65
4	8	c	4-3-c	0.57	6.66	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2283.91			120.21	121.99	0.85	0.52	6.20	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2174.67			114.46
4	8	d	4-3-d	0.76	8.89	0.51	9.11	9.62	0.21	2.28	2.49	0.03	3045.22			160.27	162.65	1.14	0.70	8.27	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2899.56			152.61
4	8	e	4-3-e	2.10	24.44	1.41	25.06	26.47	0.59	6.26	6.86	0.08	8374.35			440.76	447.29	3.12	1.91	22.75	1.41	25.06	26.47	0.59	6.26	6.86	0.08	7973.80			419.67
4	5	a	4-4-a	0.11	1.33	0.08	1.37	1.44	0.03	0.34	0.37	0.00	456.78			24.04	24.40	0.17	0.10	1.24	0.08	1.37	1.44	0.03	0.34	0.37	0.00	434.93			22.89
4	5	c	4-4-c	0.57	6.66	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2283.91			120.21	121.99	0.85	0.52	6.20	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2174.67			114.46
4	5	d	4-4-d	0.76	8.89	0.51	9.11	9.62	0.21	2.28	2.49	0.03	3045.22			160.27	162.65	1.14	0.70	8.27	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2899.56			152.61
4	5	e	4-4-e	2.10	24.44	1.41	25.06	26.47	0.59	6.26	6.86	0.08	8374.35			440.76	447.29	3.12	1.91	22.75	1.41	25.06	26.47	0.59	6.26	6.86	0.08	7973.80			419.67
3	5	t	3-2-dirt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00
3	2A	a	3-2-a	0.11	1.33	0.08	1.37	1.44	0.03	0.34	0.37	0.00	456.78			24.04	24.40	0.17	0.10	1.24	0.08	1.37	1.44	0.03	0.34	0.37	0.00	434.93			22.89
3	2A	c	3-5-c	0.57	6.66	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2283.91			120.21	121.99	0.85	0.52	6.20	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2174.67			114.46
3	2B	d	3-5-d	0.76	8.89	0.51	9.11	9.62	0.21	2.28	2.49	0.03	3045.22			160.27	162.65	1.14	0.70	8.27	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2899.56			152.61
3	2B	e	3-5-e	2.10	24.44	1.41	25.06	26.47	0.59	6.26	6.86	0.08	8374.35			440.76	447.29	3.12	1.91	22.75	1.41	25.06	26.47	0.59	6.26	6.86	0.08	7973.80			419.67
1	2B	a	1-6-a	0.11	1.33	0.08	1.37	1.44	0.03	0.34	0.37	0.00	456.78			24.04	24.40	0.17	0.10	1.24	0.08	1.37	1.44	0.03	0.34	0.37	0.00	434.93			22.89
1	3	c	1-6-c	0.57	6.66	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2283.91			120.21	121.99	0.85	0.52	6.20	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2174.67			114.46
1	3	d	1-6-d	0.76	8.89	0.51	9.11	9.62	0.21	2.28	2.49	0.03	3045.22			160.27	162.65	1.14	0.70	8.27	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2899.56			152.61
1	3	e	1-6-e	2.67	31.10	1.79	31.89	33.69	0.75	7.97	8.73	0.11	10658.26			560.96	569.28	3.97	2.43	28.96	1.79	31.89	33.69	0.75	7.97	8.73	0.10	10148.47			534.13
2	3	a	2-7-a	0.11	1.33	0.08	1.37	1.44	0.03	0.34	0.37	0.00	456.78			24.04	24.40	0.17	0.10	1.24	0.08	1.37	1.44	0.03	0.34	0.37	0.00	434.93			22.89
2	4	c	2-7-c	0.23	2.67	0.15	2.73	2.89	0.06	0.68	0.75	0.01	913.57			48.08	48.80	0.34	0.21	2.48	0.15	2.73	2.89	0.06	0.68	0.75	0.01	869.87			45.78
2	4	d	2-7-d	0.31	3.55	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1218.09			64.11	65.06	0.45	0.28	3.31	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1159.83			61.04
2	4	e	2-7-e	1.91	22.21	1.28	22.78	24.06	0.54	5.70	6.23	0.08	7613.04			400.69	406.63	2.84	1.74	20.68	1.28	22.78	24.06	0.54	5.70	6.23	0.07	7248.91			381.52
2	4	a	2-8-a	0.11	1.33	0.08	1.37	1.44	0.03	0.34	0.37	0.00	456.78			24.04	24.40	0.17	0.10	1.24	0.08	1.37	1.44	0.03	0.34	0.37	0.00	434.93			22.89
2	1	c	2-8-c	0.23	2.67	0.15	2.73	2.89	0.06	0.68	0.75	0.01	913.57			48.08	48.80	0.34	0.21	2.48	0.15	2.73	2.89	0.06	0.68	0.75	0.01	869.87			45.78
2	1	d	2-8-d	0.31	3.55	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1218.09			64.11	65.06	0.45	0.28	3.31	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1159.83			61.04
2	1	e	2-8-e	1.91	22.21	1.28	22.78	24.06	0.54	5.70	6.23	0.08	7613.04			400.69	406.63	2.84	1.74	20.68	1.28	22.78	24.06	0.54	5.70	6.23	0.07	7248.91			381.52

Construction - Unmitigated

Worker Commute

				Gal/Day	Pounds per day														Gal/Day	Pounds per day											
					2026															2027											
Parcel	Phase	Activity	Sch Code	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4
5	6	a	5-1-a	11.61	0.08	0.05	0.58	0.04	0.68	0.72	0.02	0.17	0.19	0.00	207.86			10.94	11.10	0.08	0.04	0.55	0.04	0.68	0.72	0.02	0.17	0.19	0.00	199.33	
5	6	c	5-1-c	61.94	0.43	0.26	3.11	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1108.57			58.35	59.19	0.42	0.23	2.93	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1063.08	
5	6	d	5-1-d	77.42	0.54	0.32	3.88	0.26	4.56	4.81	0.11	1.14	1.25	0.01	1385.71			72.93	73.99	0.52	0.29	3.66	0.26	4.56	4.81	0.11	1.14	1.25	0.01	1328.85	
5	6	e	5-1-e	387.11	2.72	1.59	19.42	1.28	22.78	24.06	0.54	5.70	6.23	0.07	6928.54			364.66	369.95	2.60	1.47	18.30	1.28	22.78	24.06	0.53	5.70	6.23	0.07	6644.25	
4	7	a	4-2-a	23.23	0.16	0.10	1.17	0.08	1.37	1.44	0.03	0.34	0.37	0.00	415.71			21.88	22.20	0.16	0.09	1.10	0.08	1.37	1.44	0.03	0.34	0.37	0.00	398.65	
4	7	b	4-2-b	23.23	0.16	0.10	1.17	0.08	1.37	1.44	0.03	0.34	0.37	0.00	415.71			21.88	22.20	0.16	0.09	1.10	0.08	1.37	1.44	0.03	0.34	0.37	0.00	398.65	
4	7	c	4-2-c	116.13	0.82	0.48	5.83	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2078.56			109.40	110.98	0.78	0.44	5.49	0.38	6.83	7.22	0.16	1.71	1.87	0.02	1993.27	
4	7	d	4-2-d	154.84	1.09	0.64	7.77	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2771.41			145.86	147.98	1.04	0.59	7.32	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2657.70	
4	7	e	4-2-e	929.06	6.52	3.83	46.61	3.07	54.68	57.74	1.29	13.67	14.96	0.17	16628.49			875.18	887.88	6.24	3.52	43.91	3.06	54.68	57.74	1.28	13.67	14.95	0.16	15946.19	
4	8	c	4-3-c	116.13	0.82	0.48	5.83	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2078.56			109.40	110.98	0.78	0.44	5.49	0.38	6.83	7.22	0.16	1.71	1.87	0.02	1993.27	
4	8	d	4-3-d	154.84	1.09	0.64	7.77	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2771.41			145.86	147.98	1.04	0.59	7.32	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2657.70	
4	8	e	4-3-e	425.82	2.99	1.75	21.36	1.41	25.06	26.47	0.59	6.26	6.85	0.08	7621.39			401.13	406.94	2.86	1.61	20.13	1.40	25.06	26.46	0.59	6.26	6.85	0.07	7308.67	
4	5	a	4-4-a	23.23	0.16	0.10	1.17	0.08	1.37	1.44	0.03	0.34	0.37	0.00	415.71			21.88	22.20	0.16	0.09	1.10	0.08	1.37	1.44	0.03	0.34	0.37	0.00	398.65	
4	5	c	4-4-c	116.13	0.82	0.48	5.83	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2078.56			109.40	110.98	0.78	0.44	5.49	0.38	6.83	7.22	0.16	1.71	1.87	0.02	1993.27	
4	5	d	4-4-d	154.84	1.09	0.64	7.77	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2771.41			145.86	147.98	1.04	0.59	7.32	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2657.70	
4	5	e	4-4-e	425.82	2.99	1.75	21.36	1.41	25.06	26.47	0.59	6.26	6.85	0.08	7621.39			401.13	406.94	2.86	1.61	20.13	1.40	25.06	26.46	0.59	6.26	6.85	0.07	7308.67	
3	5	t	3-2-dirt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	2A	a	3-2-a	23.23	0.16	0.10	1.17	0.08	1.37	1.44	0.03	0.34	0.37	0.00	415.71			21.88	22.20	0.16	0.09	1.10	0.08	1.37	1.44	0.03	0.34	0.37	0.00	398.65	
3	2A	c	3-5-c	116.13	0.82	0.48	5.83	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2078.56			109.40	110.98	0.78	0.44	5.49	0.38	6.83	7.22	0.16	1.71	1.87	0.02	1993.27	
3	2B	d	3-5-d	154.84	1.09	0.64	7.77	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2771.41			145.86	147.98	1.04	0.59	7.32	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2657.70	
3	2B	e	3-5-e	425.82	2.99	1.75	21.36	1.41	25.06	26.47	0.59	6.26	6.85	0.08	7621.39			401.13	406.94	2.86	1.61	20.13	1.40	25.06	26.46	0.59	6.26	6.85	0.07	7308.67	
1	2B	a	1-6-a	23.23	0.16	0.10	1.17	0.08	1.37	1.44	0.03	0.34	0.37	0.00	415.71			21.88	22.20	0.16	0.09	1.10	0.08	1.37	1.44	0.03	0.34	0.37	0.00	398.65	
1	3	c	1-6-c	116.13	0.82	0.48	5.83	0.38	6.83	7.22	0.16	1.71	1.87	0.02	2078.56			109.40	110.98	0.78	0.44	5.49	0.38	6.83	7.22	0.16	1.71	1.87	0.02	1993.27	
1	3	d	1-6-d	154.84	1.09	0.64	7.77	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2771.41			145.86	147.98	1.04	0.59	7.32	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2657.70	
1	3	e	1-6-e	541.95	3.80	2.23	27.19	1.79	31.89	33.68	0.75	7.97	8.72	0.10	9699.95			510.52	517.93	3.64	2.05	25.61	1.79	31.89	33.68	0.75	7.97	8.72	0.09	9301.95	
2	3	a	2-7-a	23.23	0.16	0.10	1.17	0.08	1.37	1.44	0.03	0.34	0.37	0.00	415.71			21.88	22.20	0.16	0.09	1.10	0.08	1.37	1.44	0.03	0.34	0.37	0.00	398.65	
2	4	c	2-7-c	46.45	0.33	0.19	2.33	0.15	2.73	2.89	0.06	0.68	0.75	0.01	831.42			43.76	44.39	0.31	0.18	2.20	0.15	2.73	2.89	0.06	0.68	0.75	0.01	797.31	
2	4	d	2-7-d	61.94	0.43	0.26	3.11	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1108.57			58.35	59.19	0.42	0.23	2.93	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1063.08	
2	4	e	2-7-e	387.11	2.72	1.59	19.42	1.28	22.78	24.06	0.54	5.70	6.23	0.07	6928.54			364.66	369.95	2.60	1.47	18.30	1.28	22.78	24.06	0.53	5.70	6.23	0.07	6644.25	
2	4	a	2-8-a	23.23	0.16	0.10	1.17	0.08	1.37	1.44	0.03	0.34	0.37	0.00	415.71			21.88	22.20	0.16	0.09	1.10	0.08	1.37	1.44	0.03	0.34	0.37	0.00	398.65	
2	1	c	2-8-c	46.45	0.33	0.19	2.33	0.15	2.73	2.89	0.06	0.68	0.75	0.01	831.42			43.76	44.39	0.31	0.18	2.20	0.15	2.73	2.89	0.06	0.68	0.75	0.01	797.31	
2	1	d	2-8-d	61.94	0.43	0.26	3.11	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1108.57			58.35	59.19	0.42	0.23	2.93	0.20	3.65	3.85	0.09	0.91	1.00	0.01	1063.08	
2	1	e	2-8-e	387.11	2.72	1.59	19.42	1.28	22.78	24.06	0.54	5.70	6.23	0.07	6928.54			364.66	369.95	2.60	1.47	18.30	1.28	22.78	24.06	0.53	5.70	6.23	0.07	6644.25	

Construction - Unmitigated

Worker Commute

						Gal/Day	Pounds per day														Gal/Day	Pounds per day									
							2028															2029									
Parcel	Phase	Activity	Sch Code	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
5	6	a	5-1-a		10.49	10.64	0.07	0.04	0.52	0.04	0.68	0.72	0.02	0.17	0.19	0.00	191.80			10.09	10.24	0.07	0.04	0.49	0.04	0.68	0.72	0.02	0.17	0.19	0.00
5	6	c	5-1-c		55.95	56.76	0.40	0.22	2.77	0.20	3.65	3.85	0.08	0.91	1.00	0.01	1022.93			53.84	54.61	0.38	0.20	2.62	0.20	3.65	3.85	0.08	0.91	1.00	0.01
5	6	d	5-1-d		69.94	70.94	0.50	0.27	3.46	0.25	4.56	4.81	0.11	1.14	1.25	0.01	1278.66			67.30	68.26	0.47	0.25	3.27	0.25	4.56	4.81	0.11	1.14	1.24	0.01
5	6	e	5-1-e		349.70	354.72	2.49	1.36	17.30	1.27	22.78	24.05	0.53	5.70	6.23	0.06	6393.31			336.49	341.28	2.37	1.26	16.37	1.27	22.78	24.05	0.53	5.70	6.22	0.06
4	7	a	4-2-a		20.98	21.28	0.15	0.08	1.04	0.08	1.37	1.44	0.03	0.34	0.37	0.00	383.60			20.19	20.48	0.14	0.08	0.98	0.08	1.37	1.44	0.03	0.34	0.37	0.00
4	7	b	4-2-b		20.98	21.28	0.15	0.08	1.04	0.08	1.37	1.44	0.03	0.34	0.37	0.00	383.60			20.19	20.48	0.14	0.08	0.98	0.08	1.37	1.44	0.03	0.34	0.37	0.00
4	7	c	4-2-c		104.91	106.42	0.75	0.41	5.19	0.38	6.83	7.22	0.16	1.71	1.87	0.02	1917.99			100.95	102.38	0.71	0.38	4.91	0.38	6.83	7.22	0.16	1.71	1.87	0.02
4	7	d	4-2-d		139.88	141.89	0.99	0.54	6.92	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2557.32			134.60	136.51	0.95	0.50	6.55	0.51	9.11	9.62	0.21	2.28	2.49	0.02
4	7	e	4-2-e		839.27	851.33	5.97	3.25	41.52	3.05	54.68	57.73	1.27	13.67	14.94	0.15	15343.94			807.58	819.08	5.70	3.02	39.30	3.05	54.68	57.72	1.27	13.67	14.94	0.15
4	8	c	4-3-c		104.91	106.42	0.75	0.41	5.19	0.38	6.83	7.22	0.16	1.71	1.87	0.02	1917.99			100.95	102.38	0.71	0.38	4.91	0.38	6.83	7.22	0.16	1.71	1.87	0.02
4	8	d	4-3-d		139.88	141.89	0.99	0.54	6.92	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2557.32			134.60	136.51	0.95	0.50	6.55	0.51	9.11	9.62	0.21	2.28	2.49	0.02
4	8	e	4-3-e		384.67	390.19	2.74	1.49	19.03	1.40	25.06	26.46	0.58	6.26	6.85	0.07	7032.64			370.14	375.41	2.61	1.38	18.01	1.40	25.06	26.46	0.58	6.26	6.85	0.07
4	5	a	4-4-a		20.98	21.28	0.15	0.08	1.04	0.08	1.37	1.44	0.03	0.34	0.37	0.00	383.60			20.19	20.48	0.14	0.08	0.98	0.08	1.37	1.44	0.03	0.34	0.37	0.00
4	5	c	4-4-c		104.91	106.42	0.75	0.41	5.19	0.38	6.83	7.22	0.16	1.71	1.87	0.02	1917.99			100.95	102.38	0.71	0.38	4.91	0.38	6.83	7.22	0.16	1.71	1.87	0.02
4	5	d	4-4-d		139.88	141.89	0.99	0.54	6.92	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2557.32			134.60	136.51	0.95	0.50	6.55	0.51	9.11	9.62	0.21	2.28	2.49	0.02
4	5	e	4-4-e		384.67	390.19	2.74	1.49	19.03	1.40	25.06	26.46	0.58	6.26	6.85	0.07	7032.64			370.14	375.41	2.61	1.38	18.01	1.40	25.06	26.46	0.58	6.26	6.85	0.07
3	5	t	3-2-dirt		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	2A	a	3-2-a		20.98	21.28	0.15	0.08	1.04	0.08	1.37	1.44	0.03	0.34	0.37	0.00	383.60			20.19	20.48	0.14	0.08	0.98	0.08	1.37	1.44	0.03	0.34	0.37	0.00
3	2A	c	3-5-c		104.91	106.42	0.75	0.41	5.19	0.38	6.83	7.22	0.16	1.71	1.87	0.02	1917.99			100.95	102.38	0.71	0.38	4.91	0.38	6.83	7.22	0.16	1.71	1.87	0.02
3	2B	d	3-5-d		139.88	141.89	0.99	0.54	6.92	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2557.32			134.60	136.51	0.95	0.50	6.55	0.51	9.11	9.62	0.21	2.28	2.49	0.02
3	2B	e	3-5-e		384.67	390.19	2.74	1.49	19.03	1.40	25.06	26.46	0.58	6.26	6.85	0.07	7032.64			370.14	375.41	2.61	1.38	18.01	1.40	25.06	26.46	0.58	6.26	6.85	0.07
1	2B	a	1-6-a		20.98	21.28	0.15	0.08	1.04	0.08	1.37	1.44	0.03	0.34	0.37	0.00	383.60			20.19	20.48	0.14	0.08	0.98	0.08	1.37	1.44	0.03	0.34	0.37	0.00
1	3	c	1-6-c		104.91	106.42	0.75	0.41	5.19	0.38	6.83	7.22	0.16	1.71	1.87	0.02	1917.99			100.95	102.38	0.71	0.38	4.91	0.38	6.83	7.22	0.16	1.71	1.87	0.02
1	3	d	1-6-d		139.88	141.89	0.99	0.54	6.92	0.51	9.11	9.62	0.21	2.28	2.49	0.03	2557.32			134.60	136.51	0.95	0.50	6.55	0.51	9.11	9.62	0.21	2.28	2.49	0.02
1	3	e	1-6-e		489.58	496.61	3.48	1.90	24.22	1.78	31.89	33.68	0.74	7.97	8.72	0.09	8950.63			471.09	477.79	3.32	1.76	22.92	1.78	31.89	33.67	0.74	7.97	8.71	0.09
2	3	a	2-7-a		20.98	21.28	0.15	0.08	1.04	0.08	1.37	1.44	0.03	0.34	0.37	0.00	383.60			20.19	20.48	0.14	0.08	0.98	0.08	1.37	1.44	0.03	0.34	0.37	0.00
2	4	c	2-7-c		41.96	42.57	0.30	0.16	2.08	0.15	2.73	2.89	0.06	0.68	0.75	0.01	767.20			40.38	40.95	0.28	0.15	1.96	0.15	2.73	2.89	0.06	0.68	0.75	0.01
2	4	d	2-7-d		55.95	56.76	0.40	0.22	2.77	0.20	3.65	3.85	0.08	0.91	1.00	0.01	1022.93			53.84	54.61	0.38	0.20	2.62	0.20	3.65	3.85	0.08	0.91	1.00	0.01
2	4	e	2-7-e		349.70	354.72	2.49	1.36	17.30	1.27	22.78	24.05	0.53	5.70	6.23	0.06	6393.31			336.49	341.28	2.37	1.26	16.37	1.27	22.78	24.05	0.53	5.70	6.22	0.06
2	4	a	2-8-a		20.98	21.28	0.15	0.08	1.04	0.08	1.37	1.44	0.03	0.34	0.37	0.00	383.60			20.19	20.48	0.14	0.08	0.98	0.08	1.37	1.44	0.03	0.34	0.37	0.00
2	1	c	2-8-c		41.96	42.57	0.30	0.16	2.08	0.15	2.73	2.89	0.06	0.68	0.75	0.01	767.20			40.38	40.95	0.28	0.15	1.96	0.15	2.73	2.89	0.06	0.68	0.75	0.01
2	1	d	2-8-d		55.95	56.76	0.40	0.22	2.77	0.20	3.65	3.85	0.08	0.91	1.00	0.01	1022.93			53.84	54.61	0.38	0.20	2.62	0.20	3.65	3.85	0.08	0.91	1.00	0.01
2	1	e	2-8-e		349.70	354.72	2.49	1.36	17.30	1.27	22.78	24.05	0.53	5.70	6.23	0.06	6393.31			336.49	341.28	2.37	1.26	16.37	1.27	22.78	24.05	0.53	5.70	6.22	0.06

Construction - Unmitigated

Worker Commute

								Gal/Day	Pounds per day															Gal/Day
									2030															
Parcel	Phase	Activity	Sch Code	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	6	a	5-1-a	185.15			9.74	9.88	0.07	0.04	0.47	0.04	0.68	0.72	0.02	0.17	0.19	0.00	179.29			9.44	9.57
5	6	c	5-1-c	987.47			51.97	52.71	0.36	0.19	2.49	0.20	3.65	3.85	0.08	0.91	1.00	0.01	956.22			50.33	51.03
5	6	d	5-1-d	1234.34			64.97	65.88	0.45	0.23	3.11	0.25	4.56	4.81	0.11	1.14	1.24	0.01	1195.27			62.91	63.79
5	6	e	5-1-e	6171.71			324.83	329.41	2.27	1.17	15.55	1.27	22.78	24.05	0.53	5.70	6.22	0.06	5976.35			314.54	318.94
4	7	a	4-2-a	370.30			19.49	19.76	0.14	0.07	0.93	0.08	1.37	1.44	0.03	0.34	0.37	0.00	358.58			18.87	19.14
4	7	b	4-2-b	370.30			19.49	19.76	0.14	0.07	0.93	0.08	1.37	1.44	0.03	0.34	0.37	0.00	358.58			18.87	19.14
4	7	c	4-2-c	1851.51			97.45	98.82	0.68	0.35	4.67	0.38	6.83	7.21	0.16	1.71	1.87	0.02	1792.91			94.36	95.68
4	7	d	4-2-d	2468.68			129.93	131.76	0.91	0.47	6.22	0.51	9.11	9.62	0.21	2.28	2.49	0.02	2390.54			125.82	127.58
4	7	e	4-2-e	14812.10			779.58	790.58	5.44	2.81	37.32	3.04	54.68	57.72	1.26	13.67	14.93	0.14	14343.25			754.91	765.46
4	8	c	4-3-c	1851.51			97.45	98.82	0.68	0.35	4.67	0.38	6.83	7.21	0.16	1.71	1.87	0.02	1792.91			94.36	95.68
4	8	d	4-3-d	2468.68			129.93	131.76	0.91	0.47	6.22	0.51	9.11	9.62	0.21	2.28	2.49	0.02	2390.54			125.82	127.58
4	8	e	4-3-e	6788.88			357.31	362.35	2.49	1.29	17.11	1.39	25.06	26.45	0.58	6.26	6.84	0.07	6573.99			346.00	350.84
4	5	a	4-4-a	370.30			19.49	19.76	0.14	0.07	0.93	0.08	1.37	1.44	0.03	0.34	0.37	0.00	358.58			18.87	19.14
4	5	c	4-4-c	1851.51			97.45	98.82	0.68	0.35	4.67	0.38	6.83	7.21	0.16	1.71	1.87	0.02	1792.91			94.36	95.68
4	5	d	4-4-d	2468.68			129.93	131.76	0.91	0.47	6.22	0.51	9.11	9.62	0.21	2.28	2.49	0.02	2390.54			125.82	127.58
4	5	e	4-4-e	6788.88			357.31	362.35	2.49	1.29	17.11	1.39	25.06	26.45	0.58	6.26	6.84	0.07	6573.99			346.00	350.84
3	5	t	3-2-dirt	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00
3	2A	a	3-2-a	370.30			19.49	19.76	0.14	0.07	0.93	0.08	1.37	1.44	0.03	0.34	0.37	0.00	358.58			18.87	19.14
3	2A	c	3-5-c	1851.51			97.45	98.82	0.68	0.35	4.67	0.38	6.83	7.21	0.16	1.71	1.87	0.02	1792.91			94.36	95.68
3	2B	d	3-5-d	2468.68			129.93	131.76	0.91	0.47	6.22	0.51	9.11	9.62	0.21	2.28	2.49	0.02	2390.54			125.82	127.58
3	2B	e	3-5-e	6788.88			357.31	362.35	2.49	1.29	17.11	1.39	25.06	26.45	0.58	6.26	6.84	0.07	6573.99			346.00	350.84
1	2B	a	1-6-a	370.30			19.49	19.76	0.14	0.07	0.93	0.08	1.37	1.44	0.03	0.34	0.37	0.00	358.58			18.87	19.14
1	3	c	1-6-c	1851.51			97.45	98.82	0.68	0.35	4.67	0.38	6.83	7.21	0.16	1.71	1.87	0.02	1792.91			94.36	95.68
1	3	d	1-6-d	2468.68			129.93	131.76	0.91	0.47	6.22	0.51	9.11	9.62	0.21	2.28	2.49	0.02	2390.54			125.82	127.58
1	3	e	1-6-e	8640.39			454.76	461.17	3.17	1.64	21.77	1.77	31.89	33.67	0.74	7.97	8.71	0.08	8366.90			440.36	446.52
2	3	a	2-7-a	370.30			19.49	19.76	0.14	0.07	0.93	0.08	1.37	1.44	0.03	0.34	0.37	0.00	358.58			18.87	19.14
2	4	c	2-7-c	740.61			38.98	39.53	0.27	0.14	1.87	0.15	2.73	2.89	0.06	0.68	0.75	0.01	717.16			37.75	38.27
2	4	d	2-7-d	987.47			51.97	52.71	0.36	0.19	2.49	0.20	3.65	3.85	0.08	0.91	1.00	0.01	956.22			50.33	51.03
2	4	e	2-7-e	6171.71			324.83	329.41	2.27	1.17	15.55	1.27	22.78	24.05	0.53	5.70	6.22	0.06	5976.35			314.54	318.94
2	4	a	2-8-a	370.30			19.49	19.76	0.14	0.07	0.93	0.08	1.37	1.44	0.03	0.34	0.37	0.00	358.58			18.87	19.14
2	1	c	2-8-c	740.61			38.98	39.53	0.27	0.14	1.87	0.15	2.73	2.89	0.06	0.68	0.75	0.01	717.16			37.75	38.27
2	1	d	2-8-d	987.47			51.97	52.71	0.36	0.19	2.49	0.20	3.65	3.85	0.08	0.91	1.00	0.01	956.22			50.33	51.03
2	1	e	2-8-e	6171.71			324.83	329.41	2.27	1.17	15.55	1.27	22.78	24.05	0.53	5.70	6.22	0.06	5976.35			314.54	318.94

Construction - Unmitigated

Truck Emissions

										Pounds per day															Gal/Day						
										2017																					
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	Trucks/Day	speed	location	Mi/Truck (r/t)	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T
5	1	a	5-1-a	Dump	T7Single	3.00	Aggregate	offsite	7.2	0.01	0.38	0.04	0.00	0.04	0.05	0.00	0.01	0.02	0.00	82.50	0.00	0.00		3.67	0.01	0.32	0.03	0.00	0.04	0.05
5	1	b	5-1-a	Landfill	T7Single	12.00	Aggregate	offsite	7.2	0.05	1.51	0.18	0.02	0.18	0.20	0.02	0.05	0.06	0.00	329.99	0.00	0.01		14.67	0.03	1.27	0.12	0.01	0.18	0.19
5	1	c	5-1-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	0.03	0.75	0.08	0.01	0.22	0.23	0.01	0.06	0.07	0.00	272.20	0.00	0.01		12.10	0.02	0.68	0.07	0.00	0.21	0.21
5	1	c	5-1-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	0.01	0.38	0.04	0.00	0.04	0.05	0.00	0.01	0.02	0.00	82.50	0.00	0.00		3.67	0.01	0.32	0.03	0.00	0.04	0.05
5	1	c	5-1-c	Concrete	T7Single	12.00	Aggregate	offsite	4	0.03	0.84	0.10	0.01	0.10	0.11	0.01	0.03	0.04	0.00	183.33	0.00	0.01		8.15	0.02	0.71	0.07	0.01	0.10	0.10
5	1	d	5-1-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	0.01	0.21	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.77	0.00	0.00		3.46	0.01	0.19	0.02	0.00	0.06	0.06
5	1	d	5-1-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	0.01	0.35	0.04	0.00	0.04	0.05	0.00	0.01	0.01	0.00	76.39	0.00	0.00		3.39	0.01	0.30	0.03	0.00	0.04	0.04
5	1	d	5-1-d	Concrete	T7Single	2.00	Aggregate	offsite	4	0.00	0.14	0.02	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.55	0.00	0.00		1.36	0.00	0.12	0.01	0.00	0.02	0.02
5	1	e	5-1-e	Delivery	T6Heavy	15.00	Aggregate	offsite	14.6	0.05	1.61	0.17	0.01	0.47	0.48	0.01	0.13	0.14	0.01	583.29	0.00	0.02		25.92	0.04	1.46	0.14	0.01	0.45	0.46
5	1	e	5-1-e	Concrete	T7Single	5.00	Aggregate	offsite	4	0.01	0.35	0.04	0.00	0.04	0.05	0.00	0.01	0.01	0.00	76.39	0.00	0.00		3.39	0.01	0.30	0.03	0.00	0.04	0.04
4	2	a	4-2-a	Dump	T7Single	5.00	Aggregate	offsite	7.2	0.02	0.63	0.07	0.01	0.07	0.08	0.01	0.02	0.03	0.00	137.49	0.00	0.00		6.11	0.01	0.53	0.05	0.00	0.07	0.08
4	2	b	4-2-b	Landfill	T7Single	34.30	Aggregate	offsite	7.2	0.14	4.31	0.51	0.05	0.51	0.56	0.05	0.13	0.18	0.01	943.21	0.01	0.03		41.92	0.10	3.64	0.36	0.03	0.51	0.54
4	2	c	4-2-c	Delivery	T6Heavy	21.00	Aggregate	offsite	14.6	0.08	2.26	0.24	0.02	0.66	0.68	0.02	0.18	0.20	0.01	816.61	0.00	0.03		36.29	0.06	2.05	0.20	0.01	0.63	0.64
4	2	c	4-2-c	Dump	T7Single	9.00	Aggregate	offsite	7.2	0.04	1.13	0.13	0.01	0.13	0.15	0.01	0.03	0.05	0.00	247.49	0.00	0.01		11.00	0.03	0.96	0.09	0.01	0.13	0.14
4	2	c	4-2-c	Concrete	T7Single	36.00	Aggregate	offsite	4	0.08	2.52	0.30	0.03	0.30	0.33	0.03	0.08	0.11	0.01	549.98	0.00	0.02		24.44	0.06	2.12	0.21	0.02	0.30	0.31
4	2	d	4-2-d	Delivery	T6Heavy	8.00	Aggregate	offsite	14.6	0.03	0.86	0.09	0.01	0.25	0.26	0.01	0.07	0.08	0.00	311.09	0.00	0.01		13.83	0.02	0.78	0.08	0.00	0.24	0.24
4	2	d	4-2-d	Asphalt	T7Single	8.00	Aggregate	offsite	10	0.05	1.40	0.16	0.02	0.16	0.18	0.02	0.04	0.06	0.00	305.54	0.00	0.01		13.58	0.03	1.18	0.12	0.01	0.16	0.17
4	2	d	4-2-d	Concrete	T7Single	8.00	Aggregate	offsite	4	0.02	0.56	0.07	0.01	0.07	0.07	0.01	0.02	0.02	0.00	122.22	0.00	0.00		5.43	0.01	0.47	0.05	0.00	0.07	0.07
4	2	e	4-2-e	Delivery	T6Heavy	15.00	Aggregate	offsite	14.6	0.05	1.61	0.17	0.01	0.47	0.48	0.01	0.13	0.14	0.01	583.29	0.00	0.02		25.92	0.04	1.46	0.14	0.01	0.45	0.46
4	2	e	4-2-e	Concrete	T7Single	14.00	Aggregate	offsite	4	0.03	0.98	0.12	0.01	0.11	0.13	0.01	0.03	0.04	0.00	213.88	0.00	0.01		9.51	0.02	0.83	0.08	0.01	0.11	0.12
4	3	c	4-3-c	Delivery	T6Heavy	14.00	Aggregate	offsite	14.6	0.05	1.50	0.16	0.01	0.44	0.45	0.01	0.12	0.13	0.01	544.41	0.00	0.02		24.19	0.04	1.36	0.13	0.01	0.42	0.43
4	3	c	4-3-c	Dump	T7Single	6.00	Aggregate	offsite	7.2	0.02	0.75	0.09	0.01	0.09	0.10	0.01	0.02	0.03	0.00	164.99	0.00	0.01		7.33	0.02	0.64	0.06	0.01	0.09	0.09
4	3	c	4-3-c	Concrete	T7Single	24.00	Aggregate	offsite	4	0.05	1.68	0.20	0.02	0.20	0.22	0.02	0.05	0.07	0.00	366.65	0.00	0.01		16.29	0.04	1.42	0.14	0.01	0.20	0.21
4	3	d	4-3-d	Delivery	T6Heavy	1.00	Aggregate	offsite	14.6	0.00	0.11	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.89	0.00	0.00		1.73	0.00	0.10	0.01	0.00	0.03	0.03
4	3	d	4-3-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	0.01	0.35	0.04	0.00	0.04	0.05	0.00	0.01	0.01	0.00	76.39	0.00	0.00		3.39	0.01	0.30	0.03	0.00	0.04	0.04
4	3	d	4-3-d	Concrete	T7Single	2.00	Aggregate	offsite	4	0.00	0.14	0.02	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.55	0.00	0.00		1.36	0.00	0.12	0.01	0.00	0.02	0.02
4	3	e	4-3-e	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	0.03	0.75	0.08	0.01	0.22	0.23	0.01	0.06	0.07	0.00	272.20	0.00	0.01		12.10	0.02	0.68	0.07	0.00	0.21	0.21
4	3	e	4-3-e	Concrete	T7Single	3.00	Aggregate	offsite	4	0.01	0.21	0.02	0.00	0.02	0.03	0.00	0.01	0.01	0.00	45.83	0.00	0.00		2.04	0.00	0.18	0.02	0.00	0.02	0.03
4	4	a	4-4-a	Landfill	T7Single	3.23	Aggregate	offsite	7.2	0.01	0.41	0.05	0.01	0.05	0.05	0.00	0.01	0.02	0.00	88.95	0.00	0.00		3.95	0.01	0.34	0.03	0.00	0.05	0.05
4	4	a	4-4-a	Dump	T7Single	20.00	Aggregate	offsite	7.2	0.08	2.52	0.30	0.03	0.30	0.33	0.03	0.08	0.11	0.01	549.98	0.00	0.02		24.44	0.06	2.12	0.21	0.02	0.30	0.31
4	4	c	4-4-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	0.03	0.75	0.08	0.01	0.22	0.23	0.01	0.06	0.07	0.00	272.20	0.00	0.01		12.10	0.02	0.68	0.07	0.00	0.21	0.21
4	4	c	4-4-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	0.01	0.38	0.04	0.00	0.04	0.05	0.00	0.01	0.02	0.00	82.50	0.00	0.00		3.67	0.01	0.32	0.03	0.00	0.04	0.05
4	4	c	4-4-c	Concrete	T7Single	12.00	Aggregate	offsite	4	0.03	0.84	0.10	0.01	0.10	0.11	0.01	0.03	0.04	0.00	183.33	0.00	0.01		8.15	0.02	0.71	0.07	0.01	0.10	0.10
4	4	d	4-4-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	0.01	0.21	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.77	0.00	0.00		3.46	0.01	0.19	0.02	0.00	0.06	0.06
4	4	d	4-4-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	0.01	0.35	0.04	0.00	0.04	0.05	0.00	0.01	0.01	0.00	76.39	0.00	0.00		3.39	0.01	0.30	0.03	0.00	0.04	0.04
4	4	d	4-4-d	Concrete	T7Single	2.00	Aggregate	offsite	4	0.00	0.14	0.02	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.55	0.00	0.00		1.36	0.00	0.12	0.01	0.00	0.02	0.02
4	4	e	4-4-e	Delivery	T6Heavy	17.00	Aggregate	offsite	14.6	0.06	1.83	0.19	0.02	0.53	0.55	0.01	0.15	0.16	0.01	661.06	0.00	0.02		29.38	0.05	1.66	0.16	0.01	0.51	0.52
4	4	e	4-4-e	Concrete	T7Single	6.00	Aggregate	offsite	4	0.01	0.42	0.05	0.01	0.05	0.05	0.01	0.01	0.02	0.00	91.66	0.00	0.00		4.07	0.01	0.35	0.03	0.00	0.05	0.05
3	2	a	3-2-a	Landfill	T7Single	0.70	Aggregate	offsite	7.2	0.00	0.09	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	19.25	0.00	0.00		0.86	0.00	0.07	0.01	0.00	0.01	0.01
3	2	a	3-2-a	Dump	T7Single	2.00	Aggregate	offsite	7.2	0.01	0.25	0.03	0.00	0.03	0.03	0.00	0.01	0.01	0.00	55.00	0.00	0.00		2.44	0.01	0.21	0.02	0.00	0.03	0.03
3	5	c	3-5-c	Delivery	T6Heavy	5.00	Aggregate	offsite	14.6	0.02	0.54	0.06	0.00	0.16	0.16	0.00	0.04	0.05	0.00	194.43	0.00	0.01		8.64	0.01	0.49	0.05	0.00	0.15	0.15
3	5	c	3-5-c	Dump	T7Single	4.73	Aggregate	offsite	7.2	0.02	0.60	0.07	0.01	0.07	0.08	0.01	0.02	0.03	0.00	130.16	0.00	0.00		5.78	0.01	0.50	0.05	0.00	0.07	0.07
3	5	c	3-5-c	Concrete	T7Single	5.00	Aggregate	offsite	4	0.01	0.35	0.04	0.00	0.04	0.05	0.00	0.01	0.01	0.00	76.39	0.00	0.00		3.39	0.01	0.30	0.03	0.00	0.04	0.04
3	5	d	3-5-d	Delivery	T6Heavy	1.02	Aggregate	offsite	14.6	0.00	0.11	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.66	0.00	0.00		1.76	0.00	0.10	0.01	0.00	0.03	0.03
3	5	d	3-5-d	Asphalt	T7Single	1.00	Aggregate	offsite	10	0.01	0.17	0.02	0.00	0.02	0.02	0.00	0.01	0.01	0.00	38.19	0.00	0.00		1.70	0.00	0.15	0.01	0.00	0.02	0.02
3	5	d	3-5-d	Concrete	T7Single	2.00	Aggregate	offsite	4	0.00	0.14	0.02	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.55	0.00	0.00		1.36	0.00	0.12	0.01	0.00	0.02	0.02
3	5	e	3-5-e	Delivery	T6Heavy	11.00	Aggregate	offsite	14.6	0.04	1.18	0.12	0.01	0.35	0.36	0.01	0.09	0.10	0.00	427.75	0.00	0.01		19.01	0.03	1.07	0.11	0.01	0.33	0.33
3	5	e	3-5-e	Concrete	T7Single	4.00	Aggregate	offsite	4	0.01	0.28	0.03	0.00	0.03	0.04	0.00	0.01	0.01	0.00	61.11	0.00	0.00		2.72	0.01	0.24	0.02	0.00	0.03	0.03
1	6	a	1-6-a	Dump	T7Single	1.00	Aggregate	offsite	7.2	0.00	0.13	0.01	0.00	0.01	0.02	0.00	0.00	0.01	0.00	27.50	0.00	0.00		1.22	0.00	0.11	0.01	0.00	0.01	0.02
1	6	c	1-6-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	0.03	0.75	0.08	0.01	0.22	0.23	0.01	0.06	0.07	0.00	272.20	0.00	0.01		12.10	0.02	0.68	0.07	0.00	0.21	0.21
1	6	c	1-6-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	0.01	0.38	0.04	0.00	0.04	0.05	0.00	0.01	0.02	0.00	82.50	0.00	0.00		3.67	0.01	0.32	0.03	0.00	0.04	0.05
1	6	c	1-6-c	Concrete	T7Single	12.00	Aggregate	offsite	4	0.03	0.84	0.10	0.01	0.10	0.11	0.01	0.03	0.04	0.00	183.33	0.00	0.01		8.15	0.02	0.71	0.07	0.01	0.10	0.10
1	6	d	1-6-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	0.01	0.21	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.77	0.00	0.00		3.46	0.01	0.19	0.02	0.00	0.06	0.06
1	6	d	1-6-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	0.01	0.35	0.04	0.00	0.04	0.05	0.00	0.01	0.01	0.00	76.39	0.00	0.00		3.39	0.01	0.30	0.03	0.00	0.04	0.04
1	6	d	1-6-d	Concrete	T7Single	2.00	Aggregate	offsite	4	0.00	0.14	0.02	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.55	0.00	0.00		1.36	0.00	0.12	0.01	0.00	0.02	0.02
1	6	e	1-6-e	Delivery	T6Heavy	16.00	Aggregate	offsite	14.6	0.06	1.72	0.18	0.01	0.50	0.52	0.01	0.14	0.15	0.01	622.18	0.00	0.02		27.65	0.04	1.56	0.15	0.01	0.48	0.49
1	6	e	1-6-e	Concrete	T7Single	5.00	Aggregate	offsite	4	0.01	0.35	0.04	0.00	0.04	0.05	0.00	0.01	0.01	0.00	76.39	0.00	0.00		3.39	0.01	0.30	0.03	0.00	0.04	0.04
2	7	a	2-7-a	Dump	T7Single	1.00	Aggregate	offsite	7.2	0.00	0.13	0.01	0.00	0.01	0.02	0.00	0.00	0.01	0.00	27.50	0.00	0.00		1.22	0.00	0.11	0.01	0.00	0.01	0.02
2	7	c	2-7-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	0.03	0.75	0.08	0.01	0.22	0.23	0.01	0.06	0.07	0.00	272.20	0.00	0.01		12.10	0.02	0.68	0.07	0.00	0.21	0.21
2	7	c	2-7-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	0.01	0.38	0.04	0.00	0.04	0.05	0.00	0.01	0.02	0.00	82.50	0.00	0.00		3.67	0.01	0.32	0.03	0.00	0.04	0.05
2	7	c	2-7-c	Concrete	T7Single	12.00	Aggregate	offsite	4	0.03	0.84	0.10	0.01	0.10	0.11	0.01	0.03	0.04	0.00	183.33	0.00	0.01		8.15	0.02	0.71	0.07	0.01	0.10	0.10
2	7	d	2-7-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	0.01	0.21	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.77	0.00	0.00		3.46	0.01	0.19	0.02	0.00	0.06	0.06
2	7	d	2-7-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	0.01	0.35	0.04	0.00	0.04	0.05	0.00	0.01	0.01	0.00	76.39	0.00	0.00		3.39	0.01	0.30	0.03	0.00	0.04	0.04
2	7	d	2-7-d	Concrete	T7Single	2.00	Aggregate	offsite	4	0.00	0.14	0.02	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.55	0.00	0.00		1.36	0.00	0.12	0.01	0.00	0.02	0.02
2	7	e	2-7-e	Delivery	T6Heavy	14.00	Aggregate	offsite	14.6	0.05	1.50	0.16	0.01	0.44	0.45	0.01	0.12	0.13	0.01	544.41	0.00	0.02		24.19	0.04	1.36	0.13	0.01	0.42	0.43
2	7	e	2-7-e	Concrete	T7Single	5.00	Aggregate	offsite	4	0.01	0.35	0.04	0.00	0.04	0.05	0.00	0.01	0.01	0.00	76.39	0.00	0.00		3.39	0.01	0.30	0.03	0.00	0.04	0.04
2	8	a	2-8-a	Dump	T7Single	1.00	Aggregate	offsite	7.2	0.00	0.13	0.01	0.00	0.01	0.02	0.00	0.00	0.01	0.00	27.50	0.00	0.00		1.22	0.00	0.11	0.01	0.00	0.01	0.02
2	8	c	2-8-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	0.03	0.75	0.08	0.01	0.22	0.23	0.01	0.06	0.07	0.00	272.20	0.00	0.01		12.10	0.02	0.68	0.07	0.00	0.21	0.21
2	8	c	2-8-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	0.01	0.38	0.04	0.00	0.04	0.05	0.00	0.01	0.02	0.00	82.50	0.00	0.00		3.67	0.01	0.32	0.03	0.00	0.04	0.05
2	8	c	2-8-c	Concrete	T7Single	12.00	Aggregate	offsite	4	0.03	0.84	0.10	0.01	0.10	0.11	0.01	0.03	0.04	0.00	183.33	0.00	0.01		8.15	0.02	0.71	0.07	0.01	0.10	0.10
2	8	d	2-8-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	0.01	0.21	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.77	0.00	0.00		3.46	0.01	0.19	0.02	0.00	0.06	0.06
2	8	d	2-8-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	0.01	0.35	0.04	0.00	0.04	0.05	0.00	0.01	0.01	0.00	76.39	0.00	0.00		3.39	0.01	0.30	0.03	0.00	0.04	0.04
2	8	d	2-8-d	Concrete	T7Single	2.00	Aggregate	offsite	4	0.00	0.14	0.02	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.55	0.00	0.00		1.36	0.00	0.12	0.01	0.00	0.02	0.02
2	8	e	2-8-e	Delivery	T6Heavy	14.00	Aggregate	offsite	14.6	0.05	1.50	0.16	0.01	0.44	0.45	0.01	0.12	0.13	0.01	544.41	0.00	0.02		24.19	0.04	1.36	0.13	0.01	0.42	0.43
2	8	e	2-8-e	Concrete	T7Single	5.00	Aggregate	offsite	4	0.01	0.35	0.04	0.00	0.04	0.05	0.00	0.01	0.01	0.00	76.39	0.00	0.00		3.39	0.01	0.30	0.03	0.00	0.04	0.04

Construction - Unmitigated

Truck Emissions

						Pounds per day								Gal/Day	Pounds per day														Gal/Day		
						2018									2019																
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX
5	1	a	5-1-a	Dump	T7Single	0.00	0.01	0.01	0.00	81.84	0.00	0.00		3.64	0.01	0.30	0.03	0.00	0.04	0.05	0.00	0.01	0.01	0.00	81.27	0.00	0.00		3.61	0.01	0.25
5	1	b	5-1-a	Landfill	T7Single	0.01	0.05	0.06	0.00	327.38	0.00	0.01		14.55	0.03	1.20	0.12	0.01	0.18	0.19	0.01	0.05	0.06	0.00	325.08	0.00	0.01		14.45	0.02	1.01
5	1	c	5-1-c	Delivery	T6Heavy	0.00	0.05	0.06	0.00	272.35	0.00	0.01		12.10	0.02	0.67	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.91	0.00	0.01		12.08	0.02	0.65
5	1	c	5-1-c	Dump	T7Single	0.00	0.01	0.01	0.00	81.84	0.00	0.00		3.64	0.01	0.30	0.03	0.00	0.04	0.05	0.00	0.01	0.01	0.00	81.27	0.00	0.00		3.61	0.01	0.25
5	1	c	5-1-c	Concrete	T7Single	0.01	0.03	0.03	0.00	181.88	0.00	0.01		8.08	0.02	0.67	0.07	0.01	0.10	0.10	0.00	0.03	0.03	0.00	180.60	0.00	0.01		8.03	0.01	0.56
5	1	d	5-1-d	Delivery	T6Heavy	0.00	0.02	0.02	0.00	77.81	0.00	0.00		3.46	0.01	0.19	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.69	0.00	0.00		3.45	0.01	0.18
5	1	d	5-1-d	Asphalt	T7Single	0.00	0.01	0.01	0.00	75.78	0.00	0.00		3.37	0.01	0.28	0.03	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.25	0.00	0.00		3.34	0.01	0.23
5	1	d	5-1-d	Concrete	T7Single	0.00	0.00	0.01	0.00	30.31	0.00	0.00		1.35	0.00	0.11	0.01	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.10	0.00	0.00		1.34	0.00	0.09
5	1	e	5-1-e	Delivery	T6Heavy	0.01	0.12	0.12	0.01	583.61	0.00	0.02		25.94	0.04	1.43	0.15	0.01	0.45	0.46	0.01	0.12	0.12	0.01	582.67	0.00	0.02		25.89	0.04	1.38
5	1	e	5-1-e	Concrete	T7Single	0.00	0.01	0.01	0.00	75.78	0.00	0.00		3.37	0.01	0.28	0.03	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.25	0.00	0.00		3.34	0.01	0.23
4	2	a	4-2-a	Dump	T7Single	0.00	0.02	0.02	0.00	136.41	0.00	0.00		6.06	0.01	0.50	0.05	0.00	0.07	0.08	0.00	0.02	0.02	0.00	135.45	0.00	0.00		6.02	0.01	0.42
4	2	b	4-2-b	Landfill	T7Single	0.03	0.13	0.16	0.01	935.75	0.00	0.03		41.59	0.09	3.44	0.35	0.03	0.51	0.53	0.03	0.13	0.16	0.01	929.18	0.00	0.03		41.29	0.07	2.89
4	2	c	4-2-c	Delivery	T6Heavy	0.01	0.16	0.17	0.01	817.06	0.00	0.03		36.31	0.06	2.00	0.21	0.01	0.63	0.64	0.01	0.16	0.17	0.01	815.74	0.00	0.03		36.25	0.06	1.94
4	2	c	4-2-c	Dump	T7Single	0.01	0.03	0.04	0.00	245.53	0.00	0.01		10.91	0.02	0.90	0.09	0.01	0.13	0.14	0.01	0.03	0.04	0.00	243.81	0.00	0.01		10.84	0.02	0.76
4	2	c	4-2-c	Concrete	T7Single	0.02	0.08	0.09	0.01	545.63	0.00	0.02		24.25	0.05	2.00	0.20	0.02	0.30	0.31	0.01	0.08	0.09	0.01	541.80	0.00	0.02		24.08	0.04	1.69
4	2	d	4-2-d	Delivery	T6Heavy	0.00	0.06	0.07	0.00	311.26	0.00	0.01		13.83	0.02	0.76	0.08	0.00	0.24	0.24	0.00	0.06	0.07	0.00	310.76	0.00	0.01		13.81	0.02	0.74
4	2	d	4-2-d	Asphalt	T7Single	0.01	0.04	0.05	0.00	303.13	0.00	0.01		13.47	0.03	1.11	0.11	0.01	0.16	0.17	0.01	0.04	0.05	0.00	301.00	0.00	0.01		13.38	0.02	0.94
4	2	d	4-2-d	Concrete	T7Single	0.00	0.02	0.02	0.00	121.25	0.00	0.00		5.39	0.01	0.45	0.04	0.00	0.07	0.07	0.00	0.02	0.02	0.00	120.40	0.00	0.00		5.35	0.01	0.37
4	2	e	4-2-e	Delivery	T6Heavy	0.01	0.12	0.12	0.01	583.61	0.00	0.02		25.94	0.04	1.43	0.15	0.01	0.45	0.46	0.01	0.12	0.12	0.01	582.67	0.00	0.02		25.89	0.04	1.38
4	2	e	4-2-e	Concrete	T7Single	0.01	0.03	0.04	0.00	212.19	0.00	0.01		9.43	0.02	0.78	0.08	0.01	0.11	0.12	0.01	0.03	0.04	0.00	210.70	0.00	0.01		9.36	0.02	0.66
4	3	c	4-3-c	Delivery	T6Heavy	0.01	0.11	0.12	0.01	544.70	0.00	0.02		24.21	0.04	1.33	0.14	0.01	0.42	0.43	0.01	0.11	0.12	0.01	543.83	0.00	0.02		24.17	0.04	1.29
4	3	c	4-3-c	Dump	T7Single	0.00	0.02	0.03	0.00	163.69	0.00	0.01		7.27	0.02	0.60	0.06	0.00	0.09	0.09	0.00	0.02	0.03	0.00	162.54	0.00	0.01		7.22	0.01	0.51
4	3	c	4-3-c	Concrete	T7Single	0.01	0.05	0.06	0.00	363.75	0.00	0.01		16.17	0.04	1.34	0.13	0.01	0.20	0.21	0.01	0.05	0.06	0.00	361.20	0.00	0.01		16.05	0.03	1.12
4	3	d	4-3-d	Delivery	T6Heavy	0.00	0.01	0.01	0.00	38.91	0.00	0.00		1.73	0.00	0.10	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.84	0.00	0.00		1.73	0.00	0.09
4	3	d	4-3-d	Asphalt	T7Single	0.00	0.01	0.01	0.00	75.78	0.00	0.00		3.37	0.01	0.28	0.03	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.25	0.00	0.00		3.34	0.01	0.23
4	3	d	4-3-d	Concrete	T7Single	0.00	0.00	0.01	0.00	30.31	0.00	0.00		1.35	0.00	0.11	0.01	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.10	0.00	0.00		1.34	0.00	0.09
4	3	e	4-3-e	Delivery	T6Heavy	0.00	0.05	0.06	0.00	272.35	0.00	0.01		12.10	0.02	0.67	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.91	0.00	0.01		12.08	0.02	0.65
4	3	e	4-3-e	Concrete	T7Single	0.00	0.01	0.01	0.00	45.47	0.00	0.00		2.02	0.00	0.17	0.02	0.00	0.02	0.03	0.00	0.01	0.01	0.00	45.15	0.00	0.00		2.01	0.00	0.14
4	4	a	4-4-a	Landfill	T7Single	0.00	0.01	0.02	0.00	88.25	0.00	0.00		3.92	0.01	0.32	0.03	0.00	0.05	0.05	0.00	0.01	0.01	0.00	87.63	0.00	0.00		3.89	0.01	0.27
4	4	a	4-4-a	Dump	T7Single	0.02	0.08	0.09	0.01	545.63	0.00	0.02		24.25	0.05	2.00	0.20	0.02	0.30	0.31	0.01	0.08	0.09	0.01	541.80	0.00	0.02		24.08	0.04	1.69
4	4	c	4-4-c	Delivery	T6Heavy	0.00	0.05	0.06	0.00	272.35	0.00	0.01		12.10	0.02	0.67	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.91	0.00	0.01		12.08	0.02	0.65
4	4	c	4-4-c	Dump	T7Single	0.00	0.01	0.01	0.00	81.84	0.00	0.00		3.64	0.01	0.30	0.03	0.00	0.04	0.05	0.00	0.01	0.01	0.00	81.27	0.00	0.00		3.61	0.01	0.25
4	4	c	4-4-c	Concrete	T7Single	0.01	0.03	0.03	0.00	181.88	0.00	0.01		8.08	0.02	0.67	0.07	0.01	0.10	0.10	0.00	0.03	0.03	0.00	180.60	0.00	0.01		8.03	0.01	0.56
4	4	d	4-4-d	Delivery	T6Heavy	0.00	0.02	0.02	0.00	77.81	0.00	0.00		3.46	0.01	0.19	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.69	0.00	0.00		3.45	0.01	0.18
4	4	d	4-4-d	Asphalt	T7Single	0.00	0.01	0.01	0.00	75.78	0.00	0.00		3.37	0.01	0.28	0.03	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.25	0.00	0.00		3.34	0.01	0.23
4	4	d	4-4-d	Concrete	T7Single	0.00	0.00	0.01	0.00	30.31	0.00	0.00		1.35	0.00	0.11	0.01	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.10	0.00	0.00		1.34	0.00	0.09
4	4	e	4-4-e	Delivery	T6Heavy	0.01	0.13	0.14	0.01	661.43	0.00	0.02		29.39	0.05	1.62	0.17	0.01	0.51	0.52	0.01	0.13	0.14	0.01	660.36	0.00	0.02		29.35	0.05	1.57
4	4	e	4-4-e	Concrete	T7Single	0.00	0.01	0.02	0.00	90.94	0.00	0.00		4.04	0.01	0.33	0.03	0.00	0.05	0.05	0.00	0.01	0.02	0.00	90.30	0.00	0.00		4.01	0.01	0.28
3	2	a	3-2-a	Landfill	T7Single	0.00	0.00	0.00	0.00	19.10	0.00	0.00		0.85	0.00	0.07	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	18.96	0.00	0.00		0.84	0.00	0.06
3	2	a	3-2-a	Dump	T7Single	0.00	0.01	0.01	0.00	54.56	0.00	0.00		2.42	0.01	0.20	0.02	0.00	0.03	0.03	0.00	0.01	0.01	0.00	54.18	0.00	0.00		2.41	0.00	0.17
3	5	c	3-5-c	Delivery	T6Heavy	0.00	0.04	0.04	0.00	194.54	0.00	0.01		8.65	0.01	0.48	0.05	0.00	0.15	0.15	0.00	0.04	0.04	0.00	194.22	0.00	0.01		8.63	0.01	0.46
3	5	c	3-5-c	Dump	T7Single	0.00	0.02	0.02	0.00	129.13	0.00	0.00		5.74	0.01	0.47	0.05	0.00	0.07	0.07	0.00	0.02	0.02	0.00	128.23	0.00	0.00		5.70	0.01	0.40
3	5	c	3-5-c	Concrete	T7Single	0.00	0.01	0.01	0.00	75.78	0.00	0.00		3.37	0.01	0.28	0.03	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.25	0.00	0.00		3.34	0.01	0.23
3	5	d	3-5-d	Delivery	T6Heavy	0.00	0.01	0.01	0.00	39.69	0.00	0.00		1.76	0.00	0.10	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.62	0.00	0.00		1.76	0.00	0.09
3	5	d	3-5-d	Asphalt	T7Single	0.00	0.01	0.01	0.00	37.89	0.00	0.00		1.68	0.00	0.14	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	37.62	0.00	0.00		1.67	0.00	0.12
3	5	d	3-5-d	Concrete	T7Single	0.00	0.00	0.01	0.00	30.31	0.00	0.00		1.35	0.00	0.11	0.01	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.10	0.00	0.00		1.34	0.00	0.09
3	5	e	3-5-e	Delivery	T6Heavy	0.00	0.09	0.09	0.00	427.98	0.00	0.01		19.02	0.03	1.05	0.11	0.00	0.33	0.33	0.00	0.09	0.09	0.00	427.29	0.00	0.01		18.99	0.03	1.02
3	5	e	3-5-e	Concrete	T7Single	0.00	0.01	0.01	0.00	60.63	0.00	0.00		2.69	0.01	0.22	0.02	0.00	0.03	0.03	0.00	0.01	0.01	0.00	60.20	0.00	0.00		2.68	0.00	0.19
1	6	a	1-6-a	Dump	T7Single	0.00	0.00	0.00	0.00	27.28	0.00	0.00		1.21	0.00	0.10	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	27.09	0.00	0.00		1.20	0.00	0.08
1	6	c	1-6-c	Delivery	T6Heavy	0.00	0.05	0.06	0.00	272.35	0.00	0.01		12.10	0.02	0.67	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.91	0.00	0.01		12.08	0.02	0.65
1	6	c	1-6-c	Dump	T7Single	0.00	0.01	0.01	0.00	81.84	0.00	0.00		3.64	0.01	0.30	0.03	0.00	0.04	0.05	0.00	0.01	0.01	0.00	81.27	0.00	0.00		3.61	0.01	0.25
1	6	c	1-6-c	Concrete	T7Single	0.01	0.03	0.03	0.00	181.88	0.00	0.01		8.08	0.02	0.67	0.07	0.01	0.10	0.10	0.00	0.03	0.03	0.00	180.60	0.00	0.01		8.03	0.01	0.56
1	6	d	1-6-d	Delivery	T6Heavy	0.00	0.02	0.02	0.00	77.81	0.00	0.00		3.46	0.01	0.19	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.69	0.00	0.00		3.45	0.01	0.18
1	6	d	1-6-d	Asphalt	T7Single	0.00	0.01	0.01	0.00	75.78	0.00	0.00		3.37	0.01	0.28	0.03	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.25	0.00	0.00		3.34	0.01	0.23
1	6	d	1-6-d	Concrete	T7Single	0.00	0.00	0.01	0.00	30.31	0.00	0.00		1.35	0.00	0.11	0.01	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.10	0.00	0.00		1.34	0.00	0.09
1	6	e	1-6-e	Delivery	T6Heavy	0.01	0.13	0.13	0.01	622.52	0.00	0.02		27.67	0.04	1.52	0.16	0.01	0.48	0.49	0.01	0.13	0.13	0.01	621.52	0.00	0.02		27.62	0.04	1.48
1	6	e	1-6-e	Concrete	T7Single	0.00	0.01	0.01	0.00	75.78	0.00	0.00		3.37	0.01	0.28	0.03	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.25	0.00	0.00		3.34	0.01	0.23
2	7	a	2-7-a	Dump	T7Single	0.00	0.00	0.00	0.00	27.28	0.00	0.00		1.21	0.00	0.10	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	27.09	0.00	0.00		1.20	0.00	0.08
2	7	c	2-7-c	Delivery	T6Heavy	0.00	0.05	0.06	0.00	272.35	0.00	0.01		12.10	0.02	0.67	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.91	0.00	0.01		12.08	0.02	0.65
2	7	c	2-7-c	Dump	T7Single	0.00	0.01	0.01	0.00	81.84	0.00	0.00		3.64	0.01	0.30	0.03	0.00	0.04	0.05	0.00	0.01	0.01	0.00	81.27	0.00	0.00		3.61	0.01	0.25
2	7	c	2-7-c	Concrete	T7Single	0.01	0.03	0.03	0.00	181.88	0.00	0.01		8.08	0.02	0.67	0.07	0.01	0.10	0.10	0.00	0.03	0.03	0.00	180.60	0.00	0.01		8.03	0.01	0.56
2	7	d	2-7-d	Delivery	T6Heavy	0.00	0.02	0.02	0.00	77.81	0.00	0.00		3.46	0.01	0.19	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.69	0.00	0.00		3.45	0.01	0.18
2	7	d	2-7-d	Asphalt	T7Single	0.00	0.01	0.01	0.00	75.78	0.00	0.00		3.37	0.01	0.28	0.03	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.25	0.00	0.00		3.34	0.01	0.23
2	7	d	2-7-d	Concrete	T7Single	0.00	0.00	0.01	0.00	30.31	0.00	0.00		1.35	0.00	0.11	0.01	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.10	0.00	0.00		1.34	0.00	0.09
2	7	e	2-7-e	Delivery	T6Heavy	0.01	0.11	0.12	0.01	544.70	0.00	0.02		24.21	0.04	1.33	0.14	0.01	0.42	0.43	0.01	0.11	0.12	0.01	543.83	0.00	0.02		24.17	0.04	1.29
2	7	e	2-7-e	Concrete	T7Single	0.00	0.01	0.01	0.00	75.78	0.00	0.00		3.37	0.01	0.28	0.03	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.25	0.00	0.00		3.34	0.01	0.23
2	8	a	2-8-a	Dump	T7Single	0.00	0.00	0.00	0.00	27.28	0.00	0.00		1.21	0.00	0.10	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	27.09	0.00	0.00		1.20	0.00	0.08
2	8	c	2-8-c	Delivery	T6Heavy	0.00	0.05	0.06	0.00	272.35	0.00	0.01		12.10	0.02	0.67	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.91	0.00	0.01		12.08	0.02	0.65
2	8	c	2-8-c	Dump	T7Single	0.00	0.01	0.01	0.00	81.84	0.00	0.00		3.64	0.01	0.30	0.03	0.00	0.04	0.05	0.00	0.01	0.01	0.00	81.27	0.00	0.00		3.61	0.01	0.25
2	8	c	2-8-c	Concrete	T7Single	0.01	0.03	0.03	0.00	181.88	0.00	0.01		8.08	0.02	0.67	0.07	0.01	0.10	0.10	0.00	0.03	0.03	0.00	180.60	0.00	0.01		8.03	0.01	0.56
2	8	d	2-8-d	Delivery	T6Heavy	0.00	0.02	0.02	0.00	77.81	0.00	0.00		3.46	0.01	0.19	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.69	0.00	0.00		3.45	0.01	0.18
2	8	d	2-8-d	Asphalt	T7Single	0.00	0.01	0.01	0.00	75.78	0.00	0.00		3.37	0.01	0.28	0.03	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.25	0.00	0.00		3.34	0.01	0.23
2	8	d	2-8-d	Concrete	T7Single	0.00	0.00	0.01	0.00	30.31	0.00	0.00		1.35	0.00	0.11	0.01	0.00	0.02	0.02	0.00	0.00	0.01	0.00	30.10	0.00	0.00		1.34	0.00	0.09
2	8	e	2-8-e	Delivery	T6Heavy	0.01	0.11	0.12	0.01	544.70	0.00	0.02		24.21	0.04	1.33	0.14	0.01	0.42	0.43	0.01	0.11	0.12	0.01	543.83	0.00	0.02		24.17	0.04	1.29
2	8	e	2-8-e	Concrete	T7Single	0.00	0.01	0.01	0.00	75.78	0.00	0.00		3.37	0.01	0.28	0.03	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.25	0.00	0.00		3.34	0.01	0.23

Construction - Unmitigated

Truck Emissions

						Pounds per day 2020											Gal/Day	Pounds per day 2021												
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O
5	1	a	5-1-a	Dump	T7Single	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	80.63	0.00	0.00		3.58	0.01	0.22	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	79.82	0.00	0.00
5	1	b	5-1-a	Landfill	T7Single	0.09	0.00	0.18	0.18	0.00	0.05	0.05	0.00	322.52	0.00	0.01		14.33	0.02	0.89	0.09	0.00	0.18	0.18	0.00	0.05	0.05	0.00	319.29	0.00	0.01
5	1	c	5-1-c	Delivery	T6Heavy	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.96	0.00	0.01		12.04	0.02	0.59	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.31	0.00	0.01
5	1	c	5-1-c	Dump	T7Single	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	80.63	0.00	0.00		3.58	0.01	0.22	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	79.82	0.00	0.00
5	1	c	5-1-c	Concrete	T7Single	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	179.18	0.00	0.01		7.96	0.01	0.50	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	177.38	0.00	0.01
5	1	d	5-1-d	Delivery	T6Heavy	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.42	0.00	0.00		3.44	0.01	0.17	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.23	0.00	0.00
5	1	d	5-1-d	Asphalt	T7Single	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.66	0.00	0.00		3.32	0.01	0.21	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.91	0.00	0.00
5	1	d	5-1-d	Concrete	T7Single	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.86	0.00	0.00		1.33	0.00	0.08	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.56	0.00	0.00
5	1	e	5-1-e	Delivery	T6Heavy	0.15	0.01	0.45	0.46	0.01	0.12	0.12	0.01	580.64	0.00	0.02		25.80	0.04	1.27	0.15	0.01	0.45	0.46	0.01	0.12	0.12	0.01	579.24	0.00	0.02
5	1	e	5-1-e	Concrete	T7Single	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.66	0.00	0.00		3.32	0.01	0.21	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.91	0.00	0.00
4	2	a	4-2-a	Dump	T7Single	0.04	0.00	0.07	0.08	0.00	0.02	0.02	0.00	134.38	0.00	0.00		5.97	0.01	0.37	0.04	0.00	0.07	0.08	0.00	0.02	0.02	0.00	133.04	0.00	0.00
4	2	b	4-2-b	Landfill	T7Single	0.27	0.01	0.51	0.52	0.01	0.13	0.15	0.01	921.88	0.00	0.03		40.97	0.07	2.55	0.26	0.01	0.51	0.52	0.01	0.13	0.14	0.01	912.63	0.00	0.03
4	2	c	4-2-c	Delivery	T6Heavy	0.21	0.01	0.63	0.64	0.01	0.16	0.17	0.01	812.89	0.00	0.03		36.13	0.05	1.77	0.21	0.01	0.63	0.64	0.01	0.16	0.17	0.01	810.94	0.00	0.03
4	2	c	4-2-c	Dump	T7Single	0.07	0.00	0.13	0.14	0.00	0.03	0.04	0.00	241.89	0.00	0.01		10.75	0.02	0.67	0.07	0.00	0.13	0.14	0.00	0.03	0.04	0.00	239.47	0.00	0.01
4	2	c	4-2-c	Concrete	T7Single	0.16	0.01	0.30	0.30	0.01	0.08	0.08	0.01	537.54	0.00	0.02		23.89	0.04	1.49	0.15	0.01	0.30	0.30	0.01	0.08	0.08	0.01	532.15	0.00	0.02
4	2	d	4-2-d	Delivery	T6Heavy	0.08	0.00	0.24	0.24	0.00	0.06	0.07	0.00	309.67	0.00	0.01		13.76	0.02	0.68	0.08	0.00	0.24	0.24	0.00	0.06	0.07	0.00	308.93	0.00	0.01
4	2	d	4-2-d	Asphalt	T7Single	0.09	0.00	0.16	0.17	0.00	0.04	0.05	0.00	298.63	0.00	0.01		13.27	0.02	0.83	0.09	0.00	0.16	0.17	0.00	0.04	0.05	0.00	295.64	0.00	0.01
4	2	d	4-2-d	Concrete	T7Single	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	119.45	0.00	0.00		5.31	0.01	0.33	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	118.25	0.00	0.00
4	2	e	4-2-e	Delivery	T6Heavy	0.15	0.01	0.45	0.46	0.01	0.12	0.12	0.01	580.64	0.00	0.02		25.80	0.04	1.27	0.15	0.01	0.45	0.46	0.01	0.12	0.12	0.01	579.24	0.00	0.02
4	2	e	4-2-e	Concrete	T7Single	0.06	0.00	0.11	0.12	0.00	0.03	0.03	0.00	209.04	0.00	0.01		9.29	0.02	0.58	0.06	0.00	0.11	0.12	0.00	0.03	0.03	0.00	206.95	0.00	0.01
4	3	c	4-3-c	Delivery	T6Heavy	0.14	0.01	0.42	0.43	0.01	0.11	0.12	0.01	541.93	0.00	0.02		24.08	0.04	1.18	0.14	0.01	0.42	0.42	0.00	0.11	0.11	0.01	540.63	0.00	0.02
4	3	c	4-3-c	Dump	T7Single	0.05	0.00	0.09	0.09	0.00	0.02	0.03	0.00	161.26	0.00	0.01		7.17	0.01	0.45	0.05	0.00	0.09	0.09	0.00	0.02	0.03	0.00	159.64	0.00	0.01
4	3	c	4-3-c	Concrete	T7Single	0.10	0.01	0.20	0.20	0.00	0.05	0.06	0.00	358.36	0.00	0.01		15.93	0.03	0.99	0.10	0.00	0.20	0.20	0.00	0.05	0.06	0.00	354.76	0.00	0.01
4	3	d	4-3-d	Delivery	T6Heavy	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.71	0.00	0.00		1.72	0.00	0.08	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.62	0.00	0.00
4	3	d	4-3-d	Asphalt	T7Single	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.66	0.00	0.00		3.32	0.01	0.21	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.91	0.00	0.00
4	3	d	4-3-d	Concrete	T7Single	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.86	0.00	0.00		1.33	0.00	0.08	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.56	0.00	0.00
4	3	e	4-3-e	Delivery	T6Heavy	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.96	0.00	0.01		12.04	0.02	0.59	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.31	0.00	0.01
4	3	e	4-3-e	Concrete	T7Single	0.01	0.00	0.02	0.03	0.00	0.01	0.01	0.00	44.79	0.00	0.00		1.99	0.00	0.12	0.01	0.00	0.02	0.03	0.00	0.01	0.01	0.00	44.35	0.00	0.00
4	4	a	4-4-a	Landfill	T7Single	0.03	0.00	0.05	0.05	0.00	0.01	0.01	0.00	86.94	0.00	0.00		3.86	0.01	0.24	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	86.07	0.00	0.00
4	4	a	4-4-a	Dump	T7Single	0.16	0.01	0.30	0.30	0.01	0.08	0.08	0.01	537.54	0.00	0.02		23.89	0.04	1.49	0.15	0.01	0.30	0.30	0.01	0.08	0.08	0.01	532.15	0.00	0.02
4	4	c	4-4-c	Delivery	T6Heavy	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.96	0.00	0.01		12.04	0.02	0.59	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.31	0.00	0.01
4	4	c	4-4-c	Dump	T7Single	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	80.63	0.00	0.00		3.58	0.01	0.22	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	79.82	0.00	0.00
4	4	c	4-4-c	Concrete	T7Single	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	179.18	0.00	0.01		7.96	0.01	0.50	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	177.38	0.00	0.01
4	4	d	4-4-d	Delivery	T6Heavy	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.42	0.00	0.00		3.44	0.01	0.17	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.23	0.00	0.00
4	4	d	4-4-d	Asphalt	T7Single	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.66	0.00	0.00		3.32	0.01	0.21	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.91	0.00	0.00
4	4	d	4-4-d	Concrete	T7Single	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.86	0.00	0.00		1.33	0.00	0.08	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.56	0.00	0.00
4	4	e	4-4-e	Delivery	T6Heavy	0.17	0.01	0.51	0.52	0.01	0.13	0.14	0.01	658.06	0.00	0.02		29.25	0.04	1.44	0.17	0.01	0.51	0.52	0.01	0.13	0.14	0.01	656.48	0.00	0.02
4	4	e	4-4-e	Concrete	T7Single	0.03	0.00	0.05	0.05	0.00	0.01	0.01	0.00	89.59	0.00	0.00		3.98	0.01	0.25	0.03	0.00	0.05	0.05	0.00	0.01	0.01	0.00	88.69	0.00	0.00
3	2	a	3-2-a	Landfill	T7Single	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	18.81	0.00	0.00		0.84	0.00	0.05	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	18.63	0.00	0.00
3	2	a	3-2-a	Dump	T7Single	0.02	0.00	0.03	0.03	0.00	0.01	0.01	0.00	53.75	0.00	0.00		2.39	0.00	0.15	0.02	0.00	0.03	0.03	0.00	0.01	0.01	0.00	53.21	0.00	0.00
3	5	c	3-5-c	Delivery	T6Heavy	0.05	0.00	0.15	0.15	0.00	0.04	0.04	0.00	193.55	0.00	0.01		8.60	0.01	0.42	0.05	0.00	0.15	0.15	0.00	0.04	0.04	0.00	193.08	0.00	0.01
3	5	c	3-5-c	Dump	T7Single	0.04	0.00	0.07	0.07	0.00	0.02	0.02	0.00	127.22	0.00	0.00		5.65	0.01	0.35	0.04	0.00	0.07	0.07	0.00	0.02	0.02	0.00	125.94	0.00	0.00
3	5	c	3-5-c	Concrete	T7Single	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.66	0.00	0.00		3.32	0.01	0.21	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.91	0.00	0.00
3	5	d	3-5-d	Delivery	T6Heavy	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.48	0.00	0.00		1.75	0.00	0.09	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.39	0.00	0.00
3	5	d	3-5-d	Asphalt	T7Single	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	37.33	0.00	0.00		1.66	0.00	0.10	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	36.95	0.00	0.00
3	5	d	3-5-d	Concrete	T7Single	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.86	0.00	0.00		1.33	0.00	0.08	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.56	0.00	0.00
3	5	e	3-5-e	Delivery	T6Heavy	0.11	0.00	0.33	0.33	0.00	0.09	0.09	0.00	425.80	0.00	0.01		18.92	0.03	0.93	0.11	0.00	0.33	0.33	0.00	0.09	0.09	0.00	424.78	0.00	0.01
3	5	e	3-5-e	Concrete	T7Single	0.02	0.00	0.03	0.03	0.00	0.01	0.01	0.00	59.73	0.00	0.00		2.65	0.00	0.17	0.02	0.00	0.03	0.03	0.00	0.01	0.01	0.00	59.13	0.00	0.00
1	6	a	1-6-a	Dump	T7Single	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	26.88	0.00	0.00		1.19	0.00	0.07	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	26.61	0.00	0.00
1	6	c	1-6-c	Delivery	T6Heavy	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.96	0.00	0.01		12.04	0.02	0.59	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.31	0.00	0.01
1	6	c	1-6-c	Dump	T7Single	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	80.63	0.00	0.00		3.58	0.01	0.22	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	79.82	0.00	0.00
1	6	c	1-6-c	Concrete	T7Single	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	179.18	0.00	0.01		7.96	0.01	0.50	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	177.38	0.00	0.01
1	6	d	1-6-d	Delivery	T6Heavy	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.42	0.00	0.00		3.44	0.01	0.17	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.23	0.00	0.00
1	6	d	1-6-d	Asphalt	T7Single	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.66	0.00	0.00		3.32	0.01	0.21	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.91	0.00	0.00
1	6	d	1-6-d	Concrete	T7Single	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.86	0.00	0.00		1.33	0.00	0.08	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.56	0.00	0.00
1	6	e	1-6-e	Delivery	T6Heavy	0.16	0.01	0.48	0.49	0.01	0.13	0.13	0.01	619.35	0.00	0.02		27.52	0.04	1.35	0.16	0.01	0.48	0.49	0.01	0.13	0.13	0.01	617.86	0.00	0.02
1	6	e	1-6-e	Concrete	T7Single	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.66	0.00	0.00		3.32	0.01	0.21	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.91	0.00	0.00
2	7	a	2-7-a	Dump	T7Single	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	26.88	0.00	0.00		1.19	0.00	0.07	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	26.61	0.00	0.00
2	7	c	2-7-c	Delivery	T6Heavy	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.96	0.00	0.01		12.04	0.02	0.59	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.31	0.00	0.01
2	7	c	2-7-c	Dump	T7Single	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	80.63	0.00	0.00		3.58	0.01	0.22	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	79.82	0.00	0.00
2	7	c	2-7-c	Concrete	T7Single	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	179.18	0.00	0.01		7.96	0.01	0.50	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	177.38	0.00	0.01
2	7	d	2-7-d	Delivery	T6Heavy	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.42	0.00	0.00		3.44	0.01	0.17	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.23	0.00	0.00
2	7	d	2-7-d	Asphalt	T7Single	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.66	0.00	0.00		3.32	0.01	0.21	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.91	0.00	0.00
2	7	d	2-7-d	Concrete	T7Single	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.86	0.00	0.00		1.33	0.00	0.08	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.56	0.00	0.00
2	7	e	2-7-e	Delivery	T6Heavy	0.14	0.01	0.42	0.43	0.01	0.11	0.12	0.01	541.93	0.00	0.02		24.08	0.04	1.18	0.14	0.01	0.42	0.42	0.00	0.11	0.11	0.01	540.63	0.00	0.02
2	7	e	2-7-e	Concrete	T7Single	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.66	0.00	0.00		3.32	0.01	0.21	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.91	0.00	0.00
2	8	a	2-8-a	Dump	T7Single	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	26.88	0.00	0.00		1.19	0.00	0.07	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	26.61	0.00	0.00
2	8	c	2-8-c	Delivery	T6Heavy	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.96	0.00	0.01		12.04	0.02	0.59	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	270.31	0.00	0.01
2	8	c	2-8-c	Dump	T7Single	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	80.63	0.00	0.00		3.58	0.01	0.22	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	79.82	0.00	0.00
2	8	c	2-8-c	Concrete	T7Single	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	179.18	0.00	0.01		7.96	0.01	0.50	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	177.38	0.00	0.01
2	8	d	2-8-d	Delivery	T6Heavy	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.42	0.00	0.00		3.44	0.01	0.17	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.23	0.00	0.00
2	8	d	2-8-d	Asphalt	T7Single	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.66	0.00	0.00		3.32	0.01	0.21	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.91	0.00	0.00
2	8	d	2-8-d	Concrete	T7Single	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.86	0.00	0.00		1.33	0.00	0.08	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.56	0.00	0.00
2	8	e	2-8-e	Delivery	T6Heavy	0.14	0.01	0.42	0.43	0.01	0.11	0.12	0.01	541.93	0.00	0.02		24.08	0.04	1.18	0.14	0.01	0.42	0.42	0.00	0.11	0.11	0.01	540.63	0.00	0.02
2	8	e	2-8-e	Concrete	T7Single	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.66	0.00	0.00		3.32	0.01	0.21	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.91	0.00	0.00

Construction - Unmitigated

Truck Emissions

							Gal/Day	Pounds per day														Gal/Day	Pounds per day								
								2022															2023								
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T
5	1	a	5-1-a	Dump	T7Single		3.55	0.01	0.20	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	78.89	0.00	0.00		3.51	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01
5	1	b	5-1-a	Landfill	T7Single		14.19	0.02	0.80	0.09	0.00	0.18	0.18	0.00	0.05	0.05	0.00	315.56	0.00	0.01		14.02	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05
5	1	c	5-1-c	Delivery	T6Heavy		12.01	0.02	0.55	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.21	0.00	0.01		11.96	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06
5	1	c	5-1-c	Dump	T7Single		3.55	0.01	0.20	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	78.89	0.00	0.00		3.51	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01
5	1	c	5-1-c	Concrete	T7Single		7.88	0.01	0.44	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	175.31	0.00	0.01		7.79	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03
5	1	d	5-1-d	Delivery	T6Heavy		3.43	0.00	0.16	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	76.92	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02
5	1	d	5-1-d	Asphalt	T7Single		3.28	0.01	0.19	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.05	0.00	0.00		3.25	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01
5	1	d	5-1-d	Concrete	T7Single		1.31	0.00	0.07	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.22	0.00	0.00		1.30	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00
5	1	e	5-1-e	Delivery	T6Heavy		25.74	0.04	1.17	0.15	0.00	0.45	0.45	0.00	0.12	0.12	0.01	576.88	0.00	0.02		25.64	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12
5	1	e	5-1-e	Concrete	T7Single		3.28	0.01	0.19	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.05	0.00	0.00		3.25	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01
4	2	a	4-2-a	Dump	T7Single		5.91	0.01	0.33	0.04	0.00	0.07	0.08	0.00	0.02	0.02	0.00	131.48	0.00	0.00		5.84	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02
4	2	b	4-2-b	Landfill	T7Single		40.56	0.06	2.29	0.26	0.01	0.51	0.52	0.01	0.13	0.14	0.01	901.97	0.00	0.03		40.09	0.04	0.77	0.22	0.00	0.51	0.51	0.00	0.13	0.14
4	2	c	4-2-c	Delivery	T6Heavy		36.04	0.05	1.64	0.20	0.01	0.63	0.64	0.01	0.16	0.17	0.01	807.63	0.00	0.03		35.89	0.03	0.95	0.17	0.00	0.63	0.63	0.00	0.16	0.17
4	2	c	4-2-c	Dump	T7Single		10.64	0.02	0.60	0.07	0.00	0.13	0.14	0.00	0.03	0.04	0.00	236.67	0.00	0.01		10.52	0.01	0.20	0.06	0.00	0.13	0.13	0.00	0.03	0.04
4	2	c	4-2-c	Concrete	T7Single		23.65	0.04	1.33	0.15	0.01	0.30	0.30	0.01	0.08	0.08	0.01	525.93	0.00	0.02		23.37	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08	0.08
4	2	d	4-2-d	Delivery	T6Heavy		13.73	0.02	0.62	0.08	0.00	0.24	0.24	0.00	0.06	0.07	0.00	307.67	0.00	0.01		13.67	0.01	0.36	0.06	0.00	0.24	0.24	0.00	0.06	0.06
4	2	d	4-2-d	Asphalt	T7Single		13.14	0.02	0.74	0.09	0.00	0.16	0.17	0.00	0.04	0.05	0.00	292.18	0.00	0.01		12.99	0.01	0.25	0.07	0.00	0.16	0.16	0.00	0.04	0.04
4	2	d	4-2-d	Concrete	T7Single		5.26	0.01	0.30	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	116.87	0.00	0.00		5.19	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02
4	2	e	4-2-e	Delivery	T6Heavy		25.74	0.04	1.17	0.15	0.00	0.45	0.45	0.00	0.12	0.12	0.01	576.88	0.00	0.02		25.64	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12
4	2	e	4-2-e	Concrete	T7Single		9.20	0.01	0.52	0.06	0.00	0.11	0.12	0.00	0.03	0.03	0.00	204.53	0.00	0.01		9.09	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03
4	3	c	4-3-c	Delivery	T6Heavy		24.03	0.03	1.09	0.14	0.00	0.42	0.42	0.00	0.11	0.11	0.01	538.42	0.00	0.02		23.93	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11
4	3	c	4-3-c	Dump	T7Single		7.09	0.01	0.40	0.05	0.00	0.09	0.09	0.00	0.02	0.02	0.00	157.78	0.00	0.01		7.01	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02
4	3	c	4-3-c	Concrete	T7Single		15.77	0.03	0.89	0.10	0.00	0.20	0.20	0.00	0.05	0.06	0.00	350.62	0.00	0.01		15.58	0.01	0.30	0.08	0.00	0.20	0.20	0.00	0.05	0.05
4	3	d	4-3-d	Delivery	T6Heavy		1.72	0.00	0.08	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.46	0.00	0.00		1.71	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01
4	3	d	4-3-d	Asphalt	T7Single		3.28	0.01	0.19	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.05	0.00	0.00		3.25	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01
4	3	d	4-3-d	Concrete	T7Single		1.31	0.00	0.07	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.22	0.00	0.00		1.30	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00
4	3	e	4-3-e	Delivery	T6Heavy		12.01	0.02	0.55	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.21	0.00	0.01		11.96	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06
4	3	e	4-3-e	Concrete	T7Single		1.97	0.00	0.11	0.01	0.00	0.02	0.03	0.00	0.01	0.01	0.00	43.83	0.00	0.00		1.95	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01
4	4	a	4-4-a	Landfill	T7Single		3.83	0.01	0.22	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	85.06	0.00	0.00		3.78	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01
4	4	a	4-4-a	Dump	T7Single		23.65	0.04	1.33	0.15	0.01	0.30	0.30	0.01	0.08	0.08	0.01	525.93	0.00	0.02		23.37	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08	0.08
4	4	c	4-4-c	Delivery	T6Heavy		12.01	0.02	0.55	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.21	0.00	0.01		11.96	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06
4	4	c	4-4-c	Dump	T7Single		3.55	0.01	0.20	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	78.89	0.00	0.00		3.51	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01
4	4	c	4-4-c	Concrete	T7Single		7.88	0.01	0.44	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	175.31	0.00	0.01		7.79	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03
4	4	d	4-4-d	Delivery	T6Heavy		3.43	0.00	0.16	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	76.92	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02
4	4	d	4-4-d	Asphalt	T7Single		3.28	0.01	0.19	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.05	0.00	0.00		3.25	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01
4	4	d	4-4-d	Concrete	T7Single		1.31	0.00	0.07	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.22	0.00	0.00		1.30	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00
4	4	e	4-4-e	Delivery	T6Heavy		29.17	0.04	1.32	0.16	0.01	0.51	0.51	0.01	0.13	0.14	0.01	653.79	0.00	0.02		29.06	0.03	0.77	0.14	0.00	0.51	0.51	0.00	0.13	0.14
4	4	e	4-4-e	Concrete	T7Single		3.94	0.01	0.22	0.03	0.00	0.05	0.05	0.00	0.01	0.01	0.00	87.66	0.00	0.00		3.90	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01
3	2	a	3-2-a	Landfill	T7Single		0.83	0.00	0.05	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	18.41	0.00	0.00		0.82	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00
3	2	a	3-2-a	Dump	T7Single		2.36	0.00	0.13	0.02	0.00	0.03	0.03	0.00	0.01	0.01	0.00	52.59	0.00	0.00		2.34	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01
3	5	c	3-5-c	Delivery	T6Heavy		8.58	0.01	0.39	0.05	0.00	0.15	0.15	0.00	0.04	0.04	0.00	192.29	0.00	0.01		8.55	0.01	0.23	0.04	0.00	0.15	0.15	0.00	0.04	0.04
3	5	c	3-5-c	Dump	T7Single		5.60	0.01	0.32	0.04	0.00	0.07	0.07	0.00	0.02	0.02	0.00	124.47	0.00	0.00		5.53	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02
3	5	c	3-5-c	Concrete	T7Single		3.28	0.01	0.19	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.05	0.00	0.00		3.25	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01
3	5	d	3-5-d	Delivery	T6Heavy		1.75	0.00	0.08	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.23	0.00	0.00		1.74	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01
3	5	d	3-5-d	Asphalt	T7Single		1.64	0.00	0.09	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	36.52	0.00	0.00		1.62	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01
3	5	d	3-5-d	Concrete	T7Single		1.31	0.00	0.07	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.22	0.00	0.00		1.30	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00
3	5	e	3-5-e	Delivery	T6Heavy		18.88	0.03	0.86	0.11	0.00	0.33	0.33	0.00	0.09	0.09	0.00	423.04	0.00	0.01		18.80	0.02	0.50	0.09	0.00	0.33	0.33	0.00	0.09	0.09
3	5	e	3-5-e	Concrete	T7Single		2.63	0.00	0.15	0.02	0.00	0.03	0.03	0.00	0.01	0.01	0.00	58.44	0.00	0.00		2.60	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01
1	6	a	1-6-a	Dump	T7Single		1.18	0.00	0.07	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	26.30	0.00	0.00		1.17	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00
1	6	c	1-6-c	Delivery	T6Heavy		12.01	0.02	0.55	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.21	0.00	0.01		11.96	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06
1	6	c	1-6-c	Dump	T7Single		3.55	0.01	0.20	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	78.89	0.00	0.00		3.51	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01
1	6	c	1-6-c	Concrete	T7Single		7.88	0.01	0.44	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	175.31	0.00	0.01		7.79	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03
1	6	d	1-6-d	Delivery	T6Heavy		3.43	0.00	0.16	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	76.92	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02
1	6	d	1-6-d	Asphalt	T7Single		3.28	0.01	0.19	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.05	0.00	0.00		3.25	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01
1	6	d	1-6-d	Concrete	T7Single		1.31	0.00	0.07	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.22	0.00	0.00		1.30	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00
1	6	e	1-6-e	Delivery	T6Heavy		27.46	0.04	1.25	0.16	0.00	0.48	0.48	0.00	0.13	0.13	0.01	615.34	0.00	0.02		27.35	0.02	0.73	0.13	0.00	0.48	0.48	0.00	0.13	0.13
1	6	e	1-6-e	Concrete	T7Single		3.28	0.01	0.19	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.05	0.00	0.00		3.25	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01
2	7	a	2-7-a	Dump	T7Single		1.18	0.00	0.07	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	26.30	0.00	0.00		1.17	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00
2	7	c	2-7-c	Delivery	T6Heavy		12.01	0.02	0.55	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.21	0.00	0.01		11.96	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06
2	7	c	2-7-c	Dump	T7Single		3.55	0.01	0.20	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	78.89	0.00	0.00		3.51	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01
2	7	c	2-7-c	Concrete	T7Single		7.88	0.01	0.44	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	175.31	0.00	0.01		7.79	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03
2	7	d	2-7-d	Delivery	T6Heavy		3.43	0.00	0.16	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	76.92	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02
2	7	d	2-7-d	Asphalt	T7Single		3.28	0.01	0.19	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.05	0.00	0.00		3.25	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01
2	7	d	2-7-d	Concrete	T7Single		1.31	0.00	0.07	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.22	0.00	0.00		1.30	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00
2	7	e	2-7-e	Delivery	T6Heavy		24.03	0.03	1.09	0.14	0.00	0.42	0.42	0.00	0.11	0.11	0.01	538.42	0.00	0.02		23.93	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11
2	7	e	2-7-e	Concrete	T7Single		3.28	0.01	0.19	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.05	0.00	0.00		3.25	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01
2	8	a	2-8-a	Dump	T7Single		1.18	0.00	0.07	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	26.30	0.00	0.00		1.17	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00
2	8	c	2-8-c	Delivery	T6Heavy		12.01	0.02	0.55	0.07	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.21	0.00	0.01		11.96	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06
2	8	c	2-8-c	Dump	T7Single		3.55	0.01	0.20	0.02	0.00	0.04	0.05	0.00	0.01	0.01	0.00	78.89	0.00	0.00		3.51	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01
2	8	c	2-8-c	Concrete	T7Single		7.88	0.01	0.44	0.05	0.00	0.10	0.10	0.00	0.03	0.03	0.00	175.31	0.00	0.01		7.79	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03
2	8	d	2-8-d	Delivery	T6Heavy		3.43	0.00	0.16	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	76.92	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02
2	8	d	2-8-d	Asphalt	T7Single		3.28	0.01	0.19	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.05	0.00	0.00		3.25	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01
2	8	d	2-8-d	Concrete	T7Single		1.31	0.00	0.07	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.22	0.00	0.00		1.30	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00
2	8	e	2-8-e	Delivery	T6Heavy		24.03	0.03	1.09	0.14	0.00	0.42	0.42	0.00	0.11	0.11	0.01	538.42	0.00	0.02		23.93	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11
2	8	e	2-8-e	Concrete	T7Single		3.28	0.01	0.19	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.05	0.00	0.00		3.25	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01

Construction - Unmitigated

Truck Emissions

											Gal/Day	Pounds per day														Gal/Day					
												2024																			
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D
5	1	a	5-1-a	Dump	T7Single	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00	0.04
5	1	b	5-1-a	Landfill	T7Single	0.00	301.24	0.00	0.01		13.39	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	300.10	0.00	0.01		13.34	0.01	0.27	0.08	0.00	0.18
5	1	c	5-1-c	Delivery	T6Heavy	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00	0.21
5	1	c	5-1-c	Dump	T7Single	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00	0.04
5	1	c	5-1-c	Concrete	T7Single	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41	0.01	0.15	0.04	0.00	0.10
5	1	d	5-1-d	Delivery	T6Heavy	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35	0.00	0.09	0.02	0.00	0.06
5	1	d	5-1-d	Asphalt	T7Single	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00	0.04
5	1	d	5-1-d	Concrete	T7Single	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02
5	1	e	5-1-e	Delivery	T6Heavy	0.01	567.98	0.00	0.02		25.24	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	565.84	0.00	0.02		25.15	0.02	0.68	0.12	0.00	0.45
5	1	e	5-1-e	Concrete	T7Single	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00	0.04
4	2	a	4-2-a	Dump	T7Single	0.00	125.52	0.00	0.00		5.58	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	125.04	0.00	0.00		5.56	0.01	0.11	0.03	0.00	0.07
4	2	b	4-2-b	Landfill	T7Single	0.01	861.04	0.00	0.03		38.27	0.04	0.78	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	857.79	0.00	0.03		38.12	0.04	0.78	0.22	0.00	0.51
4	2	c	4-2-c	Delivery	T6Heavy	0.01	795.17	0.00	0.03		35.34	0.03	0.96	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	792.18	0.00	0.03		35.21	0.03	0.96	0.17	0.00	0.63
4	2	c	4-2-c	Dump	T7Single	0.00	225.93	0.00	0.01		10.04	0.01	0.20	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	225.08	0.00	0.01		10.00	0.01	0.21	0.06	0.00	0.13
4	2	c	4-2-c	Concrete	T7Single	0.00	502.06	0.00	0.02		22.31	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	500.17	0.00	0.02		22.23	0.02	0.46	0.13	0.00	0.30
4	2	d	4-2-d	Delivery	T6Heavy	0.00	302.92	0.00	0.01		13.46	0.01	0.37	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	301.78	0.00	0.01		13.41	0.01	0.36	0.07	0.00	0.24
4	2	d	4-2-d	Asphalt	T7Single	0.00	278.92	0.00	0.01		12.40	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	277.87	0.00	0.01		12.35	0.01	0.25	0.07	0.00	0.16
4	2	d	4-2-d	Concrete	T7Single	0.00	111.57	0.00	0.00		4.96	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	111.15	0.00	0.00		4.94	0.00	0.10	0.03	0.00	0.07
4	2	e	4-2-e	Delivery	T6Heavy	0.01	567.98	0.00	0.02		25.24	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	565.84	0.00	0.02		25.15	0.02	0.68	0.12	0.00	0.45
4	2	e	4-2-e	Concrete	T7Single	0.00	195.25	0.00	0.01		8.68	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	194.51	0.00	0.01		8.64	0.01	0.18	0.05	0.00	0.11
4	3	c	4-3-c	Delivery	T6Heavy	0.01	530.11	0.00	0.02		23.56	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	528.12	0.00	0.02		23.47	0.02	0.64	0.11	0.00	0.42
4	3	c	4-3-c	Dump	T7Single	0.00	150.62	0.00	0.00		6.69	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	150.05	0.00	0.00		6.67	0.01	0.14	0.04	0.00	0.09
4	3	c	4-3-c	Concrete	T7Single	0.00	334.71	0.00	0.01		14.88	0.01	0.30	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	333.44	0.00	0.01		14.82	0.01	0.30	0.09	0.00	0.20
4	3	d	4-3-d	Delivery	T6Heavy	0.00	37.87	0.00	0.00		1.68	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.72	0.00	0.00		1.68	0.00	0.05	0.01	0.00	0.03
4	3	d	4-3-d	Asphalt	T7Single	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00	0.04
4	3	d	4-3-d	Concrete	T7Single	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02
4	3	e	4-3-e	Delivery	T6Heavy	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00	0.21
4	3	e	4-3-e	Concrete	T7Single	0.00	41.84	0.00	0.00		1.86	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	41.68	0.00	0.00		1.85	0.00	0.04	0.01	0.00	0.02
4	4	a	4-4-a	Landfill	T7Single	0.00	81.20	0.00	0.00		3.61	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	80.90	0.00	0.00		3.60	0.00	0.07	0.02	0.00	0.05
4	4	a	4-4-a	Dump	T7Single	0.00	502.06	0.00	0.02		22.31	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	500.17	0.00	0.02		22.23	0.02	0.46	0.13	0.00	0.30
4	4	c	4-4-c	Delivery	T6Heavy	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00	0.21
4	4	c	4-4-c	Dump	T7Single	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00	0.04
4	4	c	4-4-c	Concrete	T7Single	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41	0.01	0.15	0.04	0.00	0.10
4	4	d	4-4-d	Delivery	T6Heavy	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35	0.00	0.09	0.02	0.00	0.06
4	4	d	4-4-d	Asphalt	T7Single	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00	0.04
4	4	d	4-4-d	Concrete	T7Single	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02
4	4	e	4-4-e	Delivery	T6Heavy	0.01	643.71	0.00	0.02		28.61	0.03	0.78	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	641.29	0.00	0.02		28.50	0.03	0.77	0.14	0.00	0.51
4	4	e	4-4-e	Concrete	T7Single	0.00	83.68	0.00	0.00		3.72	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	83.36	0.00	0.00		3.70	0.00	0.08	0.02	0.00	0.05
3	2	a	3-2-a	Landfill	T7Single	0.00	17.57	0.00	0.00		0.78	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.51	0.00	0.00		0.78	0.00	0.02	0.00	0.00	0.01
3	2	a	3-2-a	Dump	T7Single	0.00	50.21	0.00	0.00		2.23	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	50.02	0.00	0.00		2.22	0.00	0.05	0.01	0.00	0.03
3	5	c	3-5-c	Delivery	T6Heavy	0.00	189.33	0.00	0.01		8.41	0.01	0.23	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	188.61	0.00	0.01		8.38	0.01	0.23	0.04	0.00	0.15
3	5	c	3-5-c	Dump	T7Single	0.00	118.82	0.00	0.00		5.28	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	118.37	0.00	0.00		5.26	0.01	0.11	0.03	0.00	0.07
3	5	c	3-5-c	Concrete	T7Single	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00	0.04
3	5	d	3-5-d	Delivery	T6Heavy	0.00	38.62	0.00	0.00		1.72	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.48	0.00	0.00		1.71	0.00	0.05	0.01	0.00	0.03
3	5	d	3-5-d	Asphalt	T7Single	0.00	34.87	0.00	0.00		1.55	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.73	0.00	0.00		1.54	0.00	0.03	0.01	0.00	0.02
3	5	d	3-5-d	Concrete	T7Single	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02
3	5	e	3-5-e	Delivery	T6Heavy	0.00	416.52	0.00	0.01		18.51	0.02	0.50	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	414.95	0.00	0.01		18.44	0.02	0.50	0.09	0.00	0.33
3	5	e	3-5-e	Concrete	T7Single	0.00	55.78	0.00	0.00		2.48	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	55.57	0.00	0.00		2.47	0.00	0.05	0.01	0.00	0.03
1	6	a	1-6-a	Dump	T7Single	0.00	25.10	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.01	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01
1	6	c	1-6-c	Delivery	T6Heavy	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00	0.21
1	6	c	1-6-c	Dump	T7Single	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00	0.04
1	6	c	1-6-c	Concrete	T7Single	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41	0.01	0.15	0.04	0.00	0.10
1	6	d	1-6-d	Delivery	T6Heavy	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35	0.00	0.09	0.02	0.00	0.06
1	6	d	1-6-d	Asphalt	T7Single	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00	0.04
1	6	d	1-6-d	Concrete	T7Single	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02
1	6	e	1-6-e	Delivery	T6Heavy	0.01	605.84	0.00	0.02		26.92	0.02	0.73	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	603.56	0.00	0.02		26.82	0.02	0.73	0.13	0.00	0.48
1	6	e	1-6-e	Concrete	T7Single	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00	0.04
2	7	a	2-7-a	Dump	T7Single	0.00	25.10	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.01	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01
2	7	c	2-7-c	Delivery	T6Heavy	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00	0.21
2	7	c	2-7-c	Dump	T7Single	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00	0.04
2	7	c	2-7-c	Concrete	T7Single	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41	0.01	0.15	0.04	0.00	0.10
2	7	d	2-7-d	Delivery	T6Heavy	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35	0.00	0.09	0.02	0.00	0.06
2	7	d	2-7-d	Asphalt	T7Single	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00	0.04
2	7	d	2-7-d	Concrete	T7Single	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02
2	7	e	2-7-e	Delivery	T6Heavy	0.01	530.11	0.00	0.02		23.56	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	528.12	0.00	0.02		23.47	0.02	0.64	0.11	0.00	0.42
2	7	e	2-7-e	Concrete	T7Single	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00	0.04
2	8	a	2-8-a	Dump	T7Single	0.00	25.10	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.01	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01
2	8	c	2-8-c	Delivery	T6Heavy	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00	0.21
2	8	c	2-8-c	Dump	T7Single	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00	0.04
2	8	c	2-8-c	Concrete	T7Single	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41	0.01	0.15	0.04	0.00	0.10
2	8	d	2-8-d	Delivery	T6Heavy	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35	0.00	0.09	0.02	0.00	0.06
2	8	d	2-8-d	Asphalt	T7Single	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00	0.04
2	8	d	2-8-d	Concrete	T7Single	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02
2	8	e	2-8-e	Delivery	T6Heavy	0.01	530.11	0.00	0.02		23.56	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	528.12	0.00	0.02		23.47	0.02	0.64	0.11	0.00	0.42
2	8	e	2-8-e	Concrete	T7Single	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00	0.04

Construction - Unmitigated

Truck Emissions

						Pounds per day									Gal/Day	Pounds per day															Gal/Day	
						2025										2026																
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG
5	1	a	5-1-a	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31	0.00
5	1	b	5-1-a	Landfill	T7Single	0.18	0.00	0.05	0.05	0.00	299.11	0.00	0.01		13.29	0.01	0.28	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	298.06	0.00	0.01		13.25	0.01
5	1	c	5-1-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64	0.01
5	1	c	5-1-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31	0.00
5	1	c	5-1-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	165.59	0.00	0.01		7.36	0.01
5	1	d	5-1-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.81	0.00	0.00		3.32	0.00
5	1	d	5-1-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07	0.00
5	1	d	5-1-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23	0.00
5	1	e	5-1-e	Delivery	T6Heavy	0.45	0.00	0.12	0.12	0.01	563.50	0.00	0.02		25.04	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	561.09	0.00	0.02		24.94	0.02
5	1	e	5-1-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07	0.00
4	2	a	4-2-a	Dump	T7Single	0.07	0.00	0.02	0.02	0.00	124.63	0.00	0.00		5.54	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	124.19	0.00	0.00		5.52	0.01
4	2	b	4-2-b	Landfill	T7Single	0.51	0.00	0.13	0.14	0.01	854.95	0.00	0.03		38.00	0.04	0.79	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	851.96	0.00	0.03		37.86	0.04
4	2	c	4-2-c	Delivery	T6Heavy	0.63	0.00	0.16	0.17	0.01	788.91	0.00	0.03		35.06	0.03	0.95	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	785.53	0.00	0.03		34.91	0.03
4	2	c	4-2-c	Dump	T7Single	0.13	0.00	0.03	0.04	0.00	224.33	0.00	0.01		9.97	0.01	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	223.55	0.00	0.01		9.93	0.01
4	2	c	4-2-c	Concrete	T7Single	0.30	0.00	0.08	0.08	0.00	498.51	0.00	0.02		22.15	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	496.77	0.00	0.02		22.08	0.02
4	2	d	4-2-d	Delivery	T6Heavy	0.24	0.00	0.06	0.06	0.00	300.54	0.00	0.01		13.36	0.01	0.36	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	299.25	0.00	0.01		13.30	0.01
4	2	d	4-2-d	Asphalt	T7Single	0.17	0.00	0.04	0.04	0.00	276.95	0.00	0.01		12.31	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	275.98	0.00	0.01		12.27	0.01
4	2	d	4-2-d	Concrete	T7Single	0.07	0.00	0.02	0.02	0.00	110.78	0.00	0.00		4.92	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	110.39	0.00	0.00		4.91	0.00
4	2	e	4-2-e	Delivery	T6Heavy	0.45	0.00	0.12	0.12	0.01	563.50	0.00	0.02		25.04	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	561.09	0.00	0.02		24.94	0.02
4	2	e	4-2-e	Concrete	T7Single	0.12	0.00	0.03	0.03	0.00	193.87	0.00	0.01		8.62	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	193.19	0.00	0.01		8.59	0.01
4	3	c	4-3-c	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	525.94	0.00	0.02		23.37	0.02	0.63	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	523.68	0.00	0.02		23.27	0.02
4	3	c	4-3-c	Dump	T7Single	0.09	0.00	0.02	0.02	0.00	149.55	0.00	0.00		6.65	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	149.03	0.00	0.00		6.62	0.01
4	3	c	4-3-c	Concrete	T7Single	0.20	0.00	0.05	0.05	0.00	332.34	0.00	0.01		14.77	0.01	0.31	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	331.18	0.00	0.01		14.72	0.01
4	3	d	4-3-d	Delivery	T6Heavy	0.03	0.00	0.01	0.01	0.00	37.57	0.00	0.00		1.67	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.41	0.00	0.00		1.66	0.00
4	3	d	4-3-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07	0.00
4	3	d	4-3-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23	0.00
4	3	e	4-3-e	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64	0.01
4	3	e	4-3-e	Concrete	T7Single	0.02	0.00	0.01	0.01	0.00	41.54	0.00	0.00		1.85	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	41.40	0.00	0.00		1.84	0.00
4	4	a	4-4-a	Landfill	T7Single	0.05	0.00	0.01	0.01	0.00	80.63	0.00	0.00		3.58	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	80.35	0.00	0.00		3.57	0.00
4	4	a	4-4-a	Dump	T7Single	0.30	0.00	0.08	0.08	0.00	498.51	0.00	0.02		22.15	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	496.77	0.00	0.02		22.08	0.02
4	4	c	4-4-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64	0.01
4	4	c	4-4-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31	0.00
4	4	c	4-4-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	165.59	0.00	0.01		7.36	0.01
4	4	d	4-4-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.81	0.00	0.00		3.32	0.00
4	4	d	4-4-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07	0.00
4	4	d	4-4-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23	0.00
4	4	e	4-4-e	Delivery	T6Heavy	0.51	0.00	0.13	0.14	0.01	638.64	0.00	0.02		28.38	0.03	0.77	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	635.90	0.00	0.02		28.26	0.03
4	4	e	4-4-e	Concrete	T7Single	0.05	0.00	0.01	0.01	0.00	83.09	0.00	0.00		3.69	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	82.79	0.00	0.00		3.68	0.00
3	2	a	3-2-a	Landfill	T7Single	0.01	0.00	0.00	0.00	0.00	17.45	0.00	0.00		0.78	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.39	0.00	0.00		0.77	0.00
3	2	a	3-2-a	Dump	T7Single	0.03	0.00	0.01	0.01	0.00	49.85	0.00	0.00		2.22	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	49.68	0.00	0.00		2.21	0.00
3	5	c	3-5-c	Delivery	T6Heavy	0.15	0.00	0.04	0.04	0.00	187.83	0.00	0.01		8.35	0.01	0.23	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	187.03	0.00	0.01		8.31	0.01
3	5	c	3-5-c	Dump	T7Single	0.07	0.00	0.02	0.02	0.00	117.98	0.00	0.00		5.24	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	117.57	0.00	0.00		5.22	0.01
3	5	c	3-5-c	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07	0.00
3	5	d	3-5-d	Delivery	T6Heavy	0.03	0.00	0.01	0.01	0.00	38.32	0.00	0.00		1.70	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.15	0.00	0.00		1.70	0.00
3	5	d	3-5-d	Asphalt	T7Single	0.02	0.00	0.01	0.01	0.00	34.62	0.00	0.00		1.54	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.50	0.00	0.00		1.53	0.00
3	5	d	3-5-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23	0.00
3	5	e	3-5-e	Delivery	T6Heavy	0.33	0.00	0.09	0.09	0.00	413.24	0.00	0.01		18.36	0.02	0.50	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	411.47	0.00	0.01		18.29	0.02
3	5	e	3-5-e	Concrete	T7Single	0.03	0.00	0.01	0.01	0.00	55.39	0.00	0.00		2.46	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	55.20	0.00	0.00		2.45	0.00
1	6	a	1-6-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	24.93	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.84	0.00	0.00		1.10	0.00
1	6	c	1-6-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64	0.01
1	6	c	1-6-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31	0.00
1	6	c	1-6-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	165.59	0.00	0.01		7.36	0.01
1	6	d	1-6-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.81	0.00	0.00		3.32	0.00
1	6	d	1-6-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07	0.00
1	6	d	1-6-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23	0.00
1	6	e	1-6-e	Delivery	T6Heavy	0.48	0.00	0.13	0.13	0.01	601.07	0.00	0.02		26.71	0.02	0.72	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	598.50	0.00	0.02		26.60	0.02
1	6	e	1-6-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07	0.00
2	7	a	2-7-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	24.93	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.84	0.00	0.00		1.10	0.00
2	7	c	2-7-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64	0.01
2	7	c	2-7-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31	0.00
2	7	c	2-7-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	165.59	0.00	0.01		7.36	0.01
2	7	d	2-7-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.81	0.00	0.00		3.32	0.00
2	7	d	2-7-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07	0.00
2	7	d	2-7-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23	0.00
2	7	e	2-7-e	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	525.94	0.00	0.02		23.37	0.02	0.63	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	523.68	0.00	0.02		23.27	0.02
2	7	e	2-7-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07	0.00
2	8	a	2-8-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	24.93	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.84	0.00	0.00		1.10	0.00
2	8	c	2-8-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64	0.01
2	8	c	2-8-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31	0.00
2	8	c	2-8-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	165.59	0.00	0.01		7.36	0.01
2	8	d	2-8-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.81	0.00	0.00		3.32	0.00
2	8	d	2-8-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07	0.00
2	8	d	2-8-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23	0.00
2	8	e	2-8-e	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	525.94	0.00	0.02		23.37	0.02	0.63	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	523.68	0.00	0.02		23.27	0.02
2	8	e	2-8-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07	0.00

Construction - Unmitigated

Truck Emissions

						Pounds per day													Gal/Day	Pounds per day											
						2027														2028											
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4
5	1	a	5-1-a	Dump	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00	0.00
5	1	b	5-1-a	Landfill	T7Single	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	296.94	0.00	0.01		13.20	0.01	0.28	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	296.00	0.00
5	1	c	5-1-c	Delivery	T6Heavy	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76	0.00
5	1	c	5-1-c	Dump	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00	0.00
5	1	c	5-1-c	Concrete	T7Single	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.44	0.00
5	1	d	5-1-d	Delivery	T6Heavy	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.22	0.00
5	1	d	5-1-d	Asphalt	T7Single	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52	0.00
5	1	d	5-1-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41	0.00
5	1	e	5-1-e	Delivery	T6Heavy	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	558.20	0.00	0.02		24.81	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	556.62	0.00
5	1	e	5-1-e	Concrete	T7Single	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52	0.00
4	2	a	4-2-a	Dump	T7Single	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	123.73	0.00	0.00		5.50	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	123.33	0.00
4	2	b	4-2-b	Landfill	T7Single	0.79	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	848.76	0.00	0.03		37.72	0.04	0.79	0.23	0.00	0.51	0.51	0.00	0.13	0.14	0.01	846.07	0.00
4	2	c	4-2-c	Delivery	T6Heavy	0.93	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	781.47	0.00	0.03		34.73	0.03	0.92	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	779.27	0.00
4	2	c	4-2-c	Dump	T7Single	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	222.71	0.00	0.01		9.90	0.01	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	222.00	0.00
4	2	c	4-2-c	Concrete	T7Single	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	494.90	0.00	0.02		21.99	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	493.33	0.00
4	2	d	4-2-d	Delivery	T6Heavy	0.35	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	297.70	0.00	0.01		13.23	0.01	0.35	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	296.86	0.00
4	2	d	4-2-d	Asphalt	T7Single	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	274.95	0.00	0.01		12.22	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	274.07	0.00
4	2	d	4-2-d	Concrete	T7Single	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	109.98	0.00	0.00		4.89	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	109.63	0.00
4	2	e	4-2-e	Delivery	T6Heavy	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	558.20	0.00	0.02		24.81	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	556.62	0.00
4	2	e	4-2-e	Concrete	T7Single	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	192.46	0.00	0.01		8.55	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	191.85	0.00
4	3	c	4-3-c	Delivery	T6Heavy	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	520.98	0.00	0.02		23.15	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	519.51	0.00
4	3	c	4-3-c	Dump	T7Single	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	148.47	0.00	0.00		6.60	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	148.00	0.00
4	3	c	4-3-c	Concrete	T7Single	0.31	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	329.94	0.00	0.01		14.66	0.01	0.31	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	328.89	0.00
4	3	d	4-3-d	Delivery	T6Heavy	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.21	0.00	0.00		1.65	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.11	0.00
4	3	d	4-3-d	Asphalt	T7Single	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52	0.00
4	3	d	4-3-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41	0.00
4	3	e	4-3-e	Delivery	T6Heavy	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76	0.00
4	3	e	4-3-e	Concrete	T7Single	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	41.24	0.00	0.00		1.83	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	41.11	0.00
4	4	a	4-4-a	Landfill	T7Single	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	80.05	0.00	0.00		3.56	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	79.79	0.00
4	4	a	4-4-a	Dump	T7Single	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	494.90	0.00	0.02		21.99	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	493.33	0.00
4	4	c	4-4-c	Delivery	T6Heavy	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76	0.00
4	4	c	4-4-c	Dump	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00	0.00
4	4	c	4-4-c	Concrete	T7Single	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.44	0.00
4	4	d	4-4-d	Delivery	T6Heavy	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.22	0.00
4	4	d	4-4-d	Asphalt	T7Single	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52	0.00
4	4	d	4-4-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41	0.00
4	4	e	4-4-e	Delivery	T6Heavy	0.75	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	632.62	0.00	0.02		28.11	0.03	0.75	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	630.84	0.00
4	4	e	4-4-e	Concrete	T7Single	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	82.48	0.00	0.00		3.67	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	82.22	0.00
3	2	a	3-2-a	Landfill	T7Single	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.32	0.00	0.00		0.77	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.27	0.00
3	2	a	3-2-a	Dump	T7Single	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	49.49	0.00	0.00		2.20	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	49.33	0.00
3	5	c	3-5-c	Delivery	T6Heavy	0.22	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	186.07	0.00	0.01		8.27	0.01	0.22	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	185.54	0.00
3	5	c	3-5-c	Dump	T7Single	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	117.13	0.00	0.00		5.21	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	116.76	0.00
3	5	c	3-5-c	Concrete	T7Single	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52	0.00
3	5	d	3-5-d	Delivery	T6Heavy	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.96	0.00	0.00		1.69	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.85	0.00
3	5	d	3-5-d	Asphalt	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.37	0.00	0.00		1.53	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.26	0.00
3	5	d	3-5-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41	0.00
3	5	e	3-5-e	Delivery	T6Heavy	0.49	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	409.34	0.00	0.01		18.19	0.02	0.48	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	408.19	0.00
3	5	e	3-5-e	Concrete	T7Single	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	54.99	0.00	0.00		2.44	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	54.81	0.00
1	6	a	1-6-a	Dump	T7Single	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.75	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.67	0.00
1	6	c	1-6-c	Delivery	T6Heavy	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76	0.00
1	6	c	1-6-c	Dump	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00	0.00
1	6	c	1-6-c	Concrete	T7Single	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.44	0.00
1	6	d	1-6-d	Delivery	T6Heavy	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.22	0.00
1	6	d	1-6-d	Asphalt	T7Single	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52	0.00
1	6	d	1-6-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41	0.00
1	6	e	1-6-e	Delivery	T6Heavy	0.71	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	595.41	0.00	0.02		26.46	0.02	0.70	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	593.73	0.00
1	6	e	1-6-e	Concrete	T7Single	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52	0.00
2	7	a	2-7-a	Dump	T7Single	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.75	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.67	0.00
2	7	c	2-7-c	Delivery	T6Heavy	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76	0.00
2	7	c	2-7-c	Dump	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00	0.00
2	7	c	2-7-c	Concrete	T7Single	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.44	0.00
2	7	d	2-7-d	Delivery	T6Heavy	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.22	0.00
2	7	d	2-7-d	Asphalt	T7Single	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52	0.00
2	7	d	2-7-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41	0.00
2	7	e	2-7-e	Delivery	T6Heavy	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	520.98	0.00	0.02		23.15	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	519.51	0.00
2	7	e	2-7-e	Concrete	T7Single	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52	0.00
2	8	a	2-8-a	Dump	T7Single	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.75	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.67	0.00
2	8	c	2-8-c	Delivery	T6Heavy	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76	0.00
2	8	c	2-8-c	Dump	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00	0.00
2	8	c	2-8-c	Concrete	T7Single	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.44	0.00
2	8	d	2-8-d	Delivery	T6Heavy	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.22	0.00
2	8	d	2-8-d	Asphalt	T7Single	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52	0.00
2	8	d	2-8-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41	0.00
2	8	e	2-8-e	Delivery	T6Heavy	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	520.98	0.00	0.02		23.15	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	519.51	0.00
2	8	e	2-8-e	Concrete	T7Single	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52	0.00

Construction - Unmitigated

Truck Emissions

								Gal/Day	Pounds per day														Gal/Day	Pounds per day							
									2029															2030							
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D
5	1	a	5-1-a	Dump	T7Single	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
5	1	b	5-1-a	Landfill	T7Single	0.01		13.15	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	295.00	0.00	0.01		13.11	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05
5	1	c	5-1-c	Delivery	T6Heavy	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05
5	1	c	5-1-c	Dump	T7Single	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
5	1	c	5-1-c	Concrete	T7Single	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03
5	1	d	5-1-d	Delivery	T6Heavy	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02
5	1	d	5-1-d	Asphalt	T7Single	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
5	1	d	5-1-d	Concrete	T7Single	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
5	1	e	5-1-e	Delivery	T6Heavy	0.02		24.74	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	555.06	0.00	0.02		24.67	0.02	0.65	0.12	0.00	0.45	0.45	0.00	0.12
5	1	e	5-1-e	Concrete	T7Single	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
4	2	a	4-2-a	Dump	T7Single	0.00		5.48	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	122.92	0.00	0.00		5.46	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02
4	2	b	4-2-b	Landfill	T7Single	0.03		37.60	0.04	0.78	0.23	0.00	0.51	0.51	0.00	0.13	0.14	0.01	843.22	0.00	0.03		37.47	0.04	0.77	0.23	0.00	0.51	0.51	0.00	0.13
4	2	c	4-2-c	Delivery	T6Heavy	0.03		34.63	0.03	0.92	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	777.08	0.00	0.03		34.53	0.03	0.91	0.17	0.00	0.63	0.63	0.00	0.16
4	2	c	4-2-c	Dump	T7Single	0.01		9.87	0.01	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	221.25	0.00	0.01		9.83	0.01	0.20	0.06	0.00	0.13	0.13	0.00	0.03
4	2	c	4-2-c	Concrete	T7Single	0.02		21.92	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	491.67	0.00	0.02		21.85	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08
4	2	d	4-2-d	Delivery	T6Heavy	0.01		13.19	0.01	0.35	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	296.03	0.00	0.01		13.16	0.01	0.35	0.07	0.00	0.24	0.24	0.00	0.06
4	2	d	4-2-d	Asphalt	T7Single	0.01		12.18	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	273.15	0.00	0.01		12.14	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04
4	2	d	4-2-d	Concrete	T7Single	0.00		4.87	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	109.26	0.00	0.00		4.86	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02
4	2	e	4-2-e	Delivery	T6Heavy	0.02		24.74	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	555.06	0.00	0.02		24.67	0.02	0.65	0.12	0.00	0.45	0.45	0.00	0.12
4	2	e	4-2-e	Concrete	T7Single	0.01		8.53	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	191.21	0.00	0.01		8.50	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03
4	3	c	4-3-c	Delivery	T6Heavy	0.02		23.09	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	518.05	0.00	0.02		23.02	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11
4	3	c	4-3-c	Dump	T7Single	0.00		6.58	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	147.50	0.00	0.00		6.56	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02
4	3	c	4-3-c	Concrete	T7Single	0.01		14.62	0.01	0.30	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	327.78	0.00	0.01		14.57	0.01	0.30	0.09	0.00	0.20	0.20	0.00	0.05
4	3	d	4-3-d	Delivery	T6Heavy	0.00		1.65	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.00	0.00	0.00		1.64	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01
4	3	d	4-3-d	Asphalt	T7Single	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
4	3	d	4-3-d	Concrete	T7Single	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
4	3	e	4-3-e	Delivery	T6Heavy	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05
4	3	e	4-3-e	Concrete	T7Single	0.00		1.83	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	40.97	0.00	0.00		1.82	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01
4	4	a	4-4-a	Landfill	T7Single	0.00		3.55	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	79.52	0.00	0.00		3.53	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01
4	4	a	4-4-a	Dump	T7Single	0.02		21.92	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	491.67	0.00	0.02		21.85	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08
4	4	c	4-4-c	Delivery	T6Heavy	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05
4	4	c	4-4-c	Dump	T7Single	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
4	4	c	4-4-c	Concrete	T7Single	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03
4	4	d	4-4-d	Delivery	T6Heavy	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02
4	4	d	4-4-d	Asphalt	T7Single	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
4	4	d	4-4-d	Concrete	T7Single	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
4	4	e	4-4-e	Delivery	T6Heavy	0.02		28.04	0.03	0.74	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	629.06	0.00	0.02		27.96	0.03	0.74	0.14	0.00	0.51	0.51	0.00	0.13
4	4	e	4-4-e	Concrete	T7Single	0.00		3.65	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	81.95	0.00	0.00		3.64	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01
3	2	a	3-2-a	Landfill	T7Single	0.00		0.77	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.21	0.00	0.00		0.76	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00
3	2	a	3-2-a	Dump	T7Single	0.00		2.19	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	49.17	0.00	0.00		2.19	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01
3	5	c	3-5-c	Delivery	T6Heavy	0.01		8.25	0.01	0.22	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	185.02	0.00	0.01		8.22	0.01	0.22	0.04	0.00	0.15	0.15	0.00	0.04
3	5	c	3-5-c	Dump	T7Single	0.00		5.19	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	116.36	0.00	0.00		5.17	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02
3	5	c	3-5-c	Concrete	T7Single	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
3	5	d	3-5-d	Delivery	T6Heavy	0.00		1.68	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.74	0.00	0.00		1.68	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01
3	5	d	3-5-d	Asphalt	T7Single	0.00		1.52	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.14	0.00	0.00		1.52	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01
3	5	d	3-5-d	Concrete	T7Single	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
3	5	e	3-5-e	Delivery	T6Heavy	0.01		18.14	0.02	0.48	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	407.04	0.00	0.01		18.09	0.02	0.48	0.09	0.00	0.33	0.33	0.00	0.09
3	5	e	3-5-e	Concrete	T7Single	0.00		2.44	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	54.63	0.00	0.00		2.43	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01
1	6	a	1-6-a	Dump	T7Single	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.58	0.00	0.00		1.09	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00
1	6	c	1-6-c	Delivery	T6Heavy	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05
1	6	c	1-6-c	Dump	T7Single	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
1	6	c	1-6-c	Concrete	T7Single	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03
1	6	d	1-6-d	Delivery	T6Heavy	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02
1	6	d	1-6-d	Asphalt	T7Single	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
1	6	d	1-6-d	Concrete	T7Single	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
1	6	e	1-6-e	Delivery	T6Heavy	0.02		26.39	0.02	0.70	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	592.06	0.00	0.02		26.31	0.02	0.69	0.13	0.00	0.48	0.48	0.00	0.13
1	6	e	1-6-e	Concrete	T7Single	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
2	7	a	2-7-a	Dump	T7Single	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.58	0.00	0.00		1.09	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00
2	7	c	2-7-c	Delivery	T6Heavy	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05
2	7	c	2-7-c	Dump	T7Single	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
2	7	c	2-7-c	Concrete	T7Single	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03
2	7	d	2-7-d	Delivery	T6Heavy	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02
2	7	d	2-7-d	Asphalt	T7Single	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
2	7	d	2-7-d	Concrete	T7Single	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
2	7	e	2-7-e	Delivery	T6Heavy	0.02		23.09	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	518.05	0.00	0.02		23.02	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11
2	7	e	2-7-e	Concrete	T7Single	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
2	8	a	2-8-a	Dump	T7Single	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.58	0.00	0.00		1.09	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00
2	8	c	2-8-c	Delivery	T6Heavy	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05
2	8	c	2-8-c	Dump	T7Single	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
2	8	c	2-8-c	Concrete	T7Single	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03
2	8	d	2-8-d	Delivery	T6Heavy	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02
2	8	d	2-8-d	Asphalt	T7Single	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
2	8	d	2-8-d	Concrete	T7Single	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
2	8	e	2-8-e	Delivery	T6Heavy	0.02		23.09	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	518.05	0.00	0.02		23.02	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11
2	8	e	2-8-e	Concrete	T7Single	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01

Construction - Unmitigated

Truck Emissions

Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	PM2.5 T	SOX	CO2	CH4	N2O	Other	Gal/Day Fuel
5	1	a	5-1-a	Dump	T7Single	0.01	0.00	73.42	0.00	0.00		3.26
5	1	b	5-1-a	Landfill	T7Single	0.05	0.00	293.67	0.00	0.01		13.05
5	1	c	5-1-c	Delivery	T6Heavy	0.06	0.00	258.33	0.00	0.01		11.48
5	1	c	5-1-c	Dump	T7Single	0.01	0.00	73.42	0.00	0.00		3.26
5	1	c	5-1-c	Concrete	T7Single	0.03	0.00	163.15	0.00	0.01		7.25
5	1	d	5-1-d	Delivery	T6Heavy	0.02	0.00	73.81	0.00	0.00		3.28
5	1	d	5-1-d	Asphalt	T7Single	0.01	0.00	67.98	0.00	0.00		3.02
5	1	d	5-1-d	Concrete	T7Single	0.00	0.00	27.19	0.00	0.00		1.21
5	1	e	5-1-e	Delivery	T6Heavy	0.12	0.01	553.57	0.00	0.02		24.60
5	1	e	5-1-e	Concrete	T7Single	0.01	0.00	67.98	0.00	0.00		3.02
4	2	a	4-2-a	Dump	T7Single	0.02	0.00	122.36	0.00	0.00		5.44
4	2	b	4-2-b	Landfill	T7Single	0.14	0.01	839.42	0.00	0.03		37.31
4	2	c	4-2-c	Delivery	T6Heavy	0.17	0.01	775.00	0.00	0.03		34.44
4	2	c	4-2-c	Dump	T7Single	0.04	0.00	220.25	0.00	0.01		9.79
4	2	c	4-2-c	Concrete	T7Single	0.08	0.00	489.46	0.00	0.02		21.75
4	2	d	4-2-d	Delivery	T6Heavy	0.06	0.00	295.24	0.00	0.01		13.12
4	2	d	4-2-d	Asphalt	T7Single	0.04	0.00	271.92	0.00	0.01		12.08
4	2	d	4-2-d	Concrete	T7Single	0.02	0.00	108.77	0.00	0.00		4.83
4	2	e	4-2-e	Delivery	T6Heavy	0.12	0.01	553.57	0.00	0.02		24.60
4	2	e	4-2-e	Concrete	T7Single	0.03	0.00	190.34	0.00	0.01		8.46
4	3	c	4-3-c	Delivery	T6Heavy	0.11	0.00	516.67	0.00	0.02		22.96
4	3	c	4-3-c	Dump	T7Single	0.02	0.00	146.84	0.00	0.00		6.53
4	3	c	4-3-c	Concrete	T7Single	0.05	0.00	326.30	0.00	0.01		14.50
4	3	d	4-3-d	Delivery	T6Heavy	0.01	0.00	36.90	0.00	0.00		1.64
4	3	d	4-3-d	Asphalt	T7Single	0.01	0.00	67.98	0.00	0.00		3.02
4	3	d	4-3-d	Concrete	T7Single	0.00	0.00	27.19	0.00	0.00		1.21
4	3	e	4-3-e	Delivery	T6Heavy	0.06	0.00	258.33	0.00	0.01		11.48
4	3	e	4-3-e	Concrete	T7Single	0.01	0.00	40.79	0.00	0.00		1.81
4	4	a	4-4-a	Landfill	T7Single	0.01	0.00	79.16	0.00	0.00		3.52
4	4	a	4-4-a	Dump	T7Single	0.08	0.00	489.46	0.00	0.02		21.75
4	4	c	4-4-c	Delivery	T6Heavy	0.06	0.00	258.33	0.00	0.01		11.48
4	4	c	4-4-c	Dump	T7Single	0.01	0.00	73.42	0.00	0.00		3.26
4	4	c	4-4-c	Concrete	T7Single	0.03	0.00	163.15	0.00	0.01		7.25
4	4	d	4-4-d	Delivery	T6Heavy	0.02	0.00	73.81	0.00	0.00		3.28
4	4	d	4-4-d	Asphalt	T7Single	0.01	0.00	67.98	0.00	0.00		3.02
4	4	d	4-4-d	Concrete	T7Single	0.00	0.00	27.19	0.00	0.00		1.21
4	4	e	4-4-e	Delivery	T6Heavy	0.14	0.01	627.38	0.00	0.02		27.88
4	4	e	4-4-e	Concrete	T7Single	0.01	0.00	81.58	0.00	0.00		3.63
3	2	a	3-2-a	Landfill	T7Single	0.00	0.00	17.13	0.00	0.00		0.76
3	2	a	3-2-a	Dump	T7Single	0.01	0.00	48.95	0.00	0.00		2.18
3	5	c	3-5-c	Delivery	T6Heavy	0.04	0.00	184.52	0.00	0.01		8.20
3	5	c	3-5-c	Dump	T7Single	0.02	0.00	115.84	0.00	0.00		5.15
3	5	c	3-5-c	Concrete	T7Single	0.01	0.00	67.98	0.00	0.00		3.02
3	5	d	3-5-d	Delivery	T6Heavy	0.01	0.00	37.64	0.00	0.00		1.67
3	5	d	3-5-d	Asphalt	T7Single	0.01	0.00	33.99	0.00	0.00		1.51
3	5	d	3-5-d	Concrete	T7Single	0.00	0.00	27.19	0.00	0.00		1.21
3	5	e	3-5-e	Delivery	T6Heavy	0.09	0.00	405.95	0.00	0.01		18.04
3	5	e	3-5-e	Concrete	T7Single	0.01	0.00	54.38	0.00	0.00		2.42
1	6	a	1-6-a	Dump	T7Single	0.00	0.00	24.47	0.00	0.00		1.09
1	6	c	1-6-c	Delivery	T6Heavy	0.06	0.00	258.33	0.00	0.01		11.48
1	6	c	1-6-c	Dump	T7Single	0.01	0.00	73.42	0.00	0.00		3.26
1	6	c	1-6-c	Concrete	T7Single	0.03	0.00	163.15	0.00	0.01		7.25
1	6	d	1-6-d	Delivery	T6Heavy	0.02	0.00	73.81	0.00	0.00		3.28
1	6	d	1-6-d	Asphalt	T7Single	0.01	0.00	67.98	0.00	0.00		3.02
1	6	d	1-6-d	Concrete	T7Single	0.00	0.00	27.19	0.00	0.00		1.21
1	6	e	1-6-e	Delivery	T6Heavy	0.13	0.01	590.48	0.00	0.02		26.24
1	6	e	1-6-e	Concrete	T7Single	0.01	0.00	67.98	0.00	0.00		3.02
2	7	a	2-7-a	Dump	T7Single	0.00	0.00	24.47	0.00	0.00		1.09
2	7	c	2-7-c	Delivery	T6Heavy	0.06	0.00	258.33	0.00	0.01		11.48
2	7	c	2-7-c	Dump	T7Single	0.01	0.00	73.42	0.00	0.00		3.26
2	7	c	2-7-c	Concrete	T7Single	0.03	0.00	163.15	0.00	0.01		7.25
2	7	d	2-7-d	Delivery	T6Heavy	0.02	0.00	73.81	0.00	0.00		3.28
2	7	d	2-7-d	Asphalt	T7Single	0.01	0.00	67.98	0.00	0.00		3.02
2	7	d	2-7-d	Concrete	T7Single	0.00	0.00	27.19	0.00	0.00		1.21
2	7	e	2-7-e	Delivery	T6Heavy	0.11	0.00	516.67	0.00	0.02		22.96
2	7	e	2-7-e	Concrete	T7Single	0.01	0.00	67.98	0.00	0.00		3.02
2	8	a	2-8-a	Dump	T7Single	0.00	0.00	24.47	0.00	0.00		1.09
2	8	c	2-8-c	Delivery	T6Heavy	0.06	0.00	258.33	0.00	0.01		11.48
2	8	c	2-8-c	Dump	T7Single	0.01	0.00	73.42	0.00	0.00		3.26
2	8	c	2-8-c	Concrete	T7Single	0.03	0.00	163.15	0.00	0.01		7.25
2	8	d	2-8-d	Delivery	T6Heavy	0.02	0.00	73.81	0.00	0.00		3.28
2	8	d	2-8-d	Asphalt	T7Single	0.01	0.00	67.98	0.00	0.00		3.02
2	8	d	2-8-d	Concrete	T7Single	0.00	0.00	27.19	0.00	0.00		1.21
2	8	e	2-8-e	Delivery	T6Heavy	0.11	0.00	516.67	0.00	0.02		22.96
2	8	e	2-8-e	Concrete	T7Single	0.01	0.00	67.98	0.00	0.00		3.02

Construction - Unmitigated

Fugitive Dust - Demo, Piles, and Grading

							Pounds per day			
							All Years			
Parcel	Phase	Activity	Sch Code	Soil (CY)	Days	CY/Day	PM10 D	PM10 T	PM2.5 D	PM2.5 T
5	1	a	5-1-a	5,310	157	34	0.001	0.001	0.000	0.000
4	2	a	4-2-a	26,692	221	121	0.005	0.005	0.001	0.001
4	3	a	4-3-a	0	0	0	0.000	0.000	0.000	0.000
4	4	a	4-4-a	7,777	158	49	0.002	0.002	0.000	0.000
3	5	a	3-5-a	13,242	81	163	0.006	0.006	0.001	0.001
1	6	a	1-6-a	14,126	64	221	0.009	0.009	0.001	0.001
2	7	a	2-7-a	10,676	29	368	0.014	0.014	0.002	0.002
2	8	a	2-8-a	10,700	95	113	0.004	0.004	0.001	0.001
				0.00						
Parcel	Phase	Activity	Sch Code	Acres	Days	Acres/Day	PM10 D	PM10 T	PM2.5 D	PM2.5 T
5	1	a	5-1-a	8.0	157	0.1	0.054	0.054	0.006	0.006
4	2	a	4-2-a	61.0	221	0.3	0.293	0.293	0.032	0.032
4	3	a	4-3-a	0.0	0	0.0	0.000	0.000	0.000	0.000
4	4	a	4-4-a	25.0	158	0.2	0.168	0.168	0.018	0.018
3	5	a	3-5-a	35.0	81	0.4	0.458	0.458	0.049	0.049
1	6	a	1-6-a	37.0	64	0.6	0.613	0.613	0.066	0.066
2	7	a	2-7-a	26.0	29	0.9	0.951	0.951	0.103	0.103
2	8	a	2-8-a	35.0	95	0.4	0.391	0.391	0.042	0.042
				0.00						
Parcel	Phase	Activity	Sch Code	SF Demo	Days	SF/Day	PM10 D	PM10 T	PM2.5 D	PM2.5 T
5	1	a	5-1-a	6,550	157	42	0.041	0.041	0.006	0.006
4	2	b	4-2-b	19,853	37	537	0.531	0.531	0.080	0.080
4	3	a	4-3-a	0	0	0	0.000	0.000	0.000	0.000
4	4	a	4-4-a	13,545	158	86	0.085	0.085	0.013	0.013
3	2	a	3-5-a	521	81	6	0.006	0.006	0.001	0.001
1	6	a	1-6-a	36	64	1	0.001	0.001	0.000	0.000
2	7	a	2-7-a	420	29	14	0.014	0.014	0.002	0.002
2	8	a	2-8-a	350	95	4	0.004	0.004	0.001	0.001
				0.00						

Construction - Unmitigated

Paving Offgassing

						Pounds per day													Gal/Day
						All Years													
Parcel	Phase	Activity	Sch Code	SF Paved	SF Paved/Day	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 E	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	1	Pave	5-1-Pave	80,000	1,633	0.10														
4	2	Pave	4-2-Pave	316,889	3,234	0.19														
4	3	Pave	4-3-Pave	120,000	2,727	0.16														
4	4	Pave	4-4-Pave	158,447	2,438	0.15														
3	5	Pave	3-5-Pave	357,982	5,593	0.34														
1	6	Pave	1-6-Pave	357,982	5,114	0.31														
2	7	Pave	2-7-Pave	221,824	4,033	0.24														
2	8	Pave	2-8-Pave	221,824	4,033	0.24														

Construction - Unmitigated

Coating Offgassing									Pounds per day														Gal/Day
									All Years														
Parcel	Phase	Activity	Sch Code	Total SF	Days	SF Coated/Day	Interior SF/Day	Exterior SF/Day	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	1	e	5-1-e	825,000	465	1774	998	22	10														
4	2	e	4-2-e	2,411,470	584	4129	2,323	52	23														
4	3	e	4-3-e	752,030	244	3082	1,734	39	17														
4	4	e	4-4-e	1,095,900	309	3547	1,995	44	19														
3	5	e	3-5-e	720,000	290	2483	1,397	31	14														
1	6	e	1-6-e	1,200,000	321	3738	2,103	47	20														
2	7	e	2-7-e	1,080,000	410	2634	1,482	33	14														
2	8	e	2-8-e	1,080,000	379	2850	1,603	36	16														

Construction - Unmitigated

Water Electricity						Pounds per day												Gal/Day
						All Years												
Parcel	Phase	Activity	Sch Code	Water (gal/day)	Elec (kWh/day)	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 E	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	1	A	5-1-a	10,503	22											8	0	0		
4	2A	A	4-2-a	68,272	143											50	0	0		
4	3	A	4-3-a	23,632	50											17	0	0		
4	4	A	4-4-a	21,000	44											15	0	0		
3	5	A	3-5-a	42,326	89											31	0	0		
1	6	A	1-6-a	66,845	140											49	0	0		
2	7	A	2-7-a	79,264	166											58	0	0		
2	8	A	2-8-a	42,326	89											31	0	0		

Construction - Unmitigated

Daily Fuel Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5-1-aScrapers Cat 657G	339.41	333.89	328.46	321.09	321.10	320.75	320.77	320.86	321.32	321.32	321.32	321.32	321.32	386.79
5-1-aDozer D9T	119.56	117.44	115.62	113.09	112.91	112.89	112.94	112.80	112.79	112.79	112.79	112.79	112.79	135.23
5-1-aExcavator 374 FL	35.10	34.55	34.00	33.22	33.18	33.18	33.19	33.18	33.22	33.22	33.22	33.22	33.22	40.15
5-1-a825 Compactors	119.56	117.44	115.62	113.09	112.91	112.89	112.94	112.80	112.79	112.79	112.79	112.79	112.79	135.23
5-1-cJohn Deere 410K TC Backhoe Loader	46.18	45.39	44.63	43.64	43.66	43.71	43.76	43.79	43.83	43.83	43.83	43.83	43.83	52.20
5-1-cAuger Cast Caissons Drill Rig	108.73	107.89	105.97	103.70	104.37	103.78	103.08	103.18	103.80	103.80	103.80	103.80	103.80	126.24
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
5-1-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
5-1-eLink Belt Conventional Lattice Crawler Crane	31.74	31.26	30.77	30.09	30.09	30.07	30.08	30.06	30.06	30.06	30.06	30.06	30.06	36.19
4-2-aScrapers Cat 657G	452.55	445.19	437.94	428.12	428.13	427.67	427.69	427.81	428.43	428.43	428.43	428.43	428.43	515.72
4-2-aDozer D9T	239.11	234.87	231.23	226.17	225.82	225.78	225.88	225.60	225.59	225.59	225.59	225.59	225.59	270.46
4-2-aCat 140M3 Grader	32.28	31.74	31.16	30.45	30.40	30.38	30.36	30.35	30.33	30.33	30.33	30.33	30.33	36.41
4-2-aCat 374 F L	35.10	34.55	34.00	33.22	33.18	33.18	33.19	33.18	33.22	33.22	33.22	33.22	33.22	40.15
4-2-a825 Compactors	239.11	234.87	231.23	226.17	225.82	225.78	225.88	225.60	225.59	225.59	225.59	225.59	225.59	270.46
4-2-aOff Highway Dump Truck Cat 770	142.90	140.64	138.32	135.24	135.23	135.28	135.38	135.42	135.35	135.35	135.35	135.35	135.35	161.95
4-2-aWheel Loader 986 H	114.19	112.41	110.66	108.28	108.55	108.59	108.67	108.68	108.83	108.83	108.83	108.83	108.83	131.83
4-2-bKomatsu PC360LC	140.39	138.21	135.99	132.89	132.70	132.73	132.78	132.73	132.89	132.89	132.89	132.89	132.89	160.59
4-2-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
4-2-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
4-2-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
4-2-eLink Belt Conventional Lattice Crawler Crane	126.96	125.04	123.07	120.37	120.34	120.27	120.30	120.25	120.22	120.22	120.22	120.22	120.22	144.76
4-2-eLink Belt Conventional Lattice Crawler Crane	126.96	125.04	123.07	120.37	120.34	120.27	120.30	120.25	120.22	120.22	120.22	120.22	120.22	144.76
4-3-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
4-3-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
4-3-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
4-3-eLink Belt Conventional Lattice Crawler Crane	63.48	62.52	61.53	60.19	60.17	60.14	60.15	60.12	60.11	60.11	60.11	60.11	60.11	72.38
4-4-aScrapers Cat 657G	339.41	333.89	328.46	321.09	321.10	320.75	320.77	320.86	321.32	321.32	321.32	321.32	321.32	386.79
4-4-aDozer D9T	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
4-4-aCat 140M3 Grader	16.14	15.87	15.58	15.23	15.20	15.19	15.18	15.17	15.17	15.17	15.17	15.17	15.17	18.21
4-4-aCat 374 F L	17.55	17.28	17.00	16.61	16.59	16.59	16.60	16.59	16.61	16.61	16.61	16.61	16.61	20.07
4-4-a825 Compactors	119.56	117.44	115.62	113.09	112.91	112.89	112.94	112.80	112.79	112.79	112.79	112.79	112.79	135.23
4-4-aOff Highway Dump Truck Cat 770	71.45	70.32	69.16	67.62	67.62	67.64	67.69	67.71	67.68	67.68	67.68	67.68	67.68	80.97
4-4-aWheel Loader 986 H	57.10	56.20	55.33	54.14	54.27	54.30	54.34	54.34	54.41	54.41	54.41	54.41	54.41	65.91
4-4-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
4-4-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
4-4-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
4-4-eLink Belt Conventional Lattice Crawler Crane	95.22	93.78	92.30	90.28	90.26	90.21	90.23	90.18	90.17	90.17	90.17	90.17	90.17	108.57
3-2-dirtScrapers Cat 657	452.55	445.19	437.94	428.12	428.13	427.67	427.69	427.81	428.43	428.43	428.43	428.43	428.43	515.72
3-2-dirtDozer D9T	239.11	234.87	231.23	226.17	225.82	225.78	225.88	225.60	225.59	225.59	225.59	225.59	225.59	270.46
3-2-aScrapers Cat 657	226.27	222.59	218.97	214.06	214.07	213.84	213.84	213.90	214.22	214.22	214.22	214.22	214.22	257.86
3-2-aDozer D9T	119.56	117.44	115.62	113.09	112.91	112.89	112.94	112.80	112.79	112.79	112.79	112.79	112.79	135.23
3-2-aCat 140M3 Grader	32.28	31.74	31.16	30.45	30.40	30.38	30.36	30.35	30.33	30.33	30.33	30.33	30.33	36.41

Construction - Unmitigated

3-2-aCat 374 F L	35.10	34.55	34.00	33.22	33.18	33.18	33.19	33.18	33.22	33.22	33.22	33.22	33.22	40.15
3-2-a825 Compactors	119.56	117.44	115.62	113.09	112.91	112.89	112.94	112.80	112.79	112.79	112.79	112.79	112.79	135.23
3-2-aOff Highway Dump Truck Cat 770	142.90	140.64	138.32	135.24	135.23	135.28	135.38	135.42	135.35	135.35	135.35	135.35	135.35	161.95
3-2-aWheel Loader 986 H	114.19	112.41	110.66	108.28	108.55	108.59	108.67	108.68	108.83	108.83	108.83	108.83	108.83	131.83
3-5-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
3-5-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
3-5-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85
3-5-eLink Belt Conventional Lattice Crawler Crane	63.48	62.52	61.53	60.19	60.17	60.14	60.15	60.12	60.11	60.11	60.11	60.11	60.11	72.38
1-6-aScrapers Cat 657	339.41	333.89	328.46	321.09	321.10	320.75	320.77	320.86	321.32	321.32	321.32	321.32	321.32	386.79
1-6-aDozer D9T	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
1-6-aCat 140M3 Grader	32.28	31.74	31.16	30.45	30.40	30.38	30.36	30.35	30.33	30.33	30.33	30.33	30.33	36.41
1-6-aCat 374 F L	17.55	17.28	17.00	16.61	16.59	16.59	16.60	16.59	16.61	16.61	16.61	16.61	16.61	20.07
1-6-a825 Compactors	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
1-6-aOff Highway Dump Truck Cat 770	142.90	140.64	138.32	135.24	135.23	135.28	135.38	135.42	135.35	135.35	135.35	135.35	135.35	161.95
1-6-aWheel Loader 986 H	114.19	112.41	110.66	108.28	108.55	108.59	108.67	108.68	108.83	108.83	108.83	108.83	108.83	131.83
1-6-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
1-6-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
1-6-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85
1-6-eLink Belt Conventional Lattice Crawler Crane	95.22	93.78	92.30	90.28	90.26	90.21	90.23	90.18	90.17	90.17	90.17	90.17	90.17	108.57
1-6-eLink Belt Conventional Lattice Crawler Crane	95.22	93.78	92.30	90.28	90.26	90.21	90.23	90.18	90.17	90.17	90.17	90.17	90.17	108.57
2-7-aScrapers Cat 657	339.41	333.89	328.46	321.09	321.10	320.75	320.77	320.86	321.32	321.32	321.32	321.32	321.32	386.79
2-7-aDozer D9T	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
2-7-aCat 140M3 Grader	32.28	31.74	31.16	30.45	30.40	30.38	30.36	30.35	30.33	30.33	30.33	30.33	30.33	36.41
2-7-aCat 374 F L	17.55	17.28	17.00	16.61	16.59	16.59	16.60	16.59	16.61	16.61	16.61	16.61	16.61	20.07
2-7-a825 Compactors	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
2-7-aOff Highway Dump Truck Cat 770	142.90	140.64	138.32	135.24	135.23	135.28	135.38	135.42	135.35	135.35	135.35	135.35	135.35	161.95
2-7-aWheel Loader 986 H	114.19	112.41	110.66	108.28	108.55	108.59	108.67	108.68	108.83	108.83	108.83	108.83	108.83	131.83
2-7-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
2-7-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
2-7-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
2-7-eLink Belt Conventional Lattice Crawler Crane	63.48	62.52	61.53	60.19	60.17	60.14	60.15	60.12	60.11	60.11	60.11	60.11	60.11	72.38
2-7-eLink Belt Conventional Lattice Crawler Crane	63.48	62.52	61.53	60.19	60.17	60.14	60.15	60.12	60.11	60.11	60.11	60.11	60.11	72.38
2-8-aScrapers Cat 657	339.41	333.89	328.46	321.09	321.10	320.75	320.77	320.86	321.32	321.32	321.32	321.32	321.32	386.79
2-8-aDozer D9T	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
2-8-aCat 140M3 Grader	32.28	31.74	31.16	30.45	30.40	30.38	30.36	30.35	30.33	30.33	30.33	30.33	30.33	36.41
2-8-aCat 374 F L	17.55	17.28	17.00	16.61	16.59	16.59	16.60	16.59	16.61	16.61	16.61	16.61	16.61	20.07
2-8-a825 Compactors	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
2-8-aOff Highway Dump Truck Cat 770	142.90	140.64	138.32	135.24	135.23	135.28	135.38	135.42	135.35	135.35	135.35	135.35	135.35	161.95
2-8-aWheel Loader 986 H	114.19	112.41	110.66	108.28	108.55	108.59	108.67	108.68	108.83	108.83	108.83	108.83	108.83	131.83
2-8-cJohn Deere 410K TC Backhoe Loader	46.18	45.39	44.63	43.64	43.66	43.71	43.76	43.79	43.83	43.83	43.83	43.83	43.83	52.20
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
2-8-cAuger Cast Caissons Drill Rig	54.36	53.95	52.99	51.85	52.18	51.89	51.54	51.59	51.90	51.90	51.90	51.90	51.90	63.12
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
2-8-dAP 600 D Cat Asphalt Paver	70.67	69.59	68.47	66.96	66.93	66.96	66.95	66.95	66.92	66.92	66.92	66.92	66.92	80.49
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85
2-8-eLink Belt Conventional Lattice Crawler Crane	31.74	31.26	30.77	30.09	30.09	30.07	30.08	30.06	30.06	30.06	30.06	30.06	30.06	36.19

Construction - Unmitigated

Eqpt Description (Cost Estimate)	CalEEMod Equipment Name	Fuel type	CalEEMod Default LF	HP Lookup	HP
825 Compactors	Crawler Tractors	Diesel	0.42880	500	354
AP 600 D Cat Asphalt Paver	Pavers	Diesel	0.41540	175	174
Auger Cast Caissons Drill Rig	Bore/Drill Rigs	Diesel	0.50250	500	282
Cat 140M3 Grader	Graders	Diesel	0.40870	250	200
Cat 374 F L	Excavators	Diesel	0.38190	500	472
Dozer D9T	Crawler Tractors	Diesel	0.42880	500	436
Excavator 374 FL	Excavators	Diesel	0.38190	500	472
Ingersoll Rand P185WJD 185 CFM Towable Air Compressor	Air Compressors	Diesel	0.48000	50	49
John Deere 410K TC Backhoe Loader	Tractors/Loaders/Backhoes	Diesel	0.36850	120	106
Komatsu PC360LC	Excavators	Diesel	0.38190	500	275
Link Belt Conventional Lattice Crawler Crane	Cranes	Diesel	0.28810	500	282
Off Highway Dump Truck Cat 770	Off-Highway Trucks	Diesel	0.38190	500	476
Putzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	Pumps	Diesel	0.74000	500	470
Scrapers Cat 657G	Scrapers	Diesel	0.48240	750	600
Wheel Loader 986 H	Rubber Tired Loaders	Diesel	0.36180	500	409

Construction - Unmitigated

EMFAC Rates

Location-Type-Year	ROG	NOx	CO	PM10	PM2.5	SOx	CO2	CH4	Fuel (gal/mi)	Speed
Santa Clara (SF)LDA/LDT/MDV2017	0.19	0.16	1.57	0.05	0.02	0.00	360.05	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2018	0.17	0.14	1.40	0.05	0.02	0.00	349.39	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2019	0.15	0.12	1.25	0.05	0.02	0.00	338.24	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2020	0.14	0.11	1.13	0.05	0.02	0.00	326.99	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2021	0.13	0.10	1.03	0.05	0.02	0.00	315.10	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2022	0.12	0.09	0.95	0.05	0.02	0.00	303.24	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2023	0.12	0.08	0.88	0.05	0.02	0.00	290.91	0.01	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2024	0.11	0.07	0.81	0.05	0.02	0.00	278.49	0.01	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2025	0.10	0.06	0.76	0.05	0.02	0.00	265.17	0.00	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2026	0.10	0.06	0.71	0.05	0.02	0.00	253.45	0.00	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2027	0.10	0.05	0.67	0.05	0.02	0.00	243.05	0.00	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2028	0.09	0.05	0.63	0.05	0.02	0.00	233.87	0.00	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2029	0.09	0.05	0.60	0.05	0.02	0.00	225.76	0.00	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2030	0.08	0.04	0.57	0.05	0.02	0.00	218.62	0.00	0.03	Aggregated
Santa Clara (SF)T7Single2017	0.26	7.92	0.93	0.099	0.095	0.02	1732.41	0.01		Aggregated
Santa Clara (SF)T7Single2018	0.18	6.69	0.65	0.053	0.050	0.02	1718.70	0.01		Aggregated
Santa Clara (SF)T7Single2019	0.17	6.31	0.64	0.049	0.047	0.02	1706.63	0.01		Aggregated
Santa Clara (SF)T7Single2020	0.13	5.31	0.49	0.024	0.023	0.02	1693.22	0.01		Aggregated
Santa Clara (SF)T7Single2021	0.12	4.69	0.49	0.022	0.021	0.02	1676.23	0.01		Aggregated
Santa Clara (SF)T7Single2022	0.12	4.20	0.49	0.019	0.018	0.02	1656.66	0.01		Aggregated
Santa Clara (SF)T7Single2023	0.07	1.42	0.40	0.004	0.004	0.02	1581.48	0.00		Aggregated
Santa Clara (SF)T7Single2024	0.07	1.43	0.40	0.004	0.004	0.02	1575.50	0.00		Aggregated
Santa Clara (SF)T7Single2025	0.07	1.44	0.41	0.005	0.004	0.01	1570.29	0.00		Aggregated
Santa Clara (SF)T7Single2026	0.07	1.44	0.41	0.005	0.004	0.01	1564.79	0.00		Aggregated
Santa Clara (SF)T7Single2027	0.07	1.44	0.41	0.005	0.004	0.01	1558.92	0.00		Aggregated
Santa Clara (SF)T7Single2028	0.07	1.44	0.42	0.005	0.004	0.01	1553.98	0.00		Aggregated
Santa Clara (SF)T7Single2029	0.07	1.44	0.42	0.005	0.004	0.01	1548.75	0.00		Aggregated
Santa Clara (SF)T7Single2030	0.07	1.42	0.42	0.005	0.005	0.01	1541.76	0.00		Aggregated
Santa Clara (SF)T6Heavy2017	0.11	3.34	0.35	0.03	0.03	0.01	1208.11	0.01		Aggregated
Santa Clara (SF)T6Heavy2018	0.09	3.03	0.30	0.01	0.01	0.01	1208.78	0.00		Aggregated
Santa Clara (SF)T6Heavy2019	0.09	2.96	0.30	0.01	0.01	0.01	1206.83	0.00		Aggregated
Santa Clara (SF)T6Heavy2020	0.08	2.87	0.31	0.01	0.01	0.01	1202.62	0.00		Aggregated
Santa Clara (SF)T6Heavy2021	0.08	2.63	0.30	0.01	0.01	0.01	1199.73	0.00		Aggregated
Santa Clara (SF)T6Heavy2022	0.08	2.42	0.30	0.01	0.01	0.01	1194.83	0.00		Aggregated
Santa Clara (SF)T6Heavy2023	0.05	1.41	0.25	0.00	0.00	0.01	1176.39	0.00		Aggregated
Santa Clara (SF)T6Heavy2024	0.05	1.42	0.25	0.00	0.00	0.01	1171.97	0.00		Aggregated
Santa Clara (SF)T6Heavy2025	0.05	1.42	0.25	0.00	0.00	0.01	1167.13	0.00		Aggregated
Santa Clara (SF)T6Heavy2026	0.05	1.40	0.26	0.00	0.00	0.01	1162.13	0.00		Aggregated
Santa Clara (SF)T6Heavy2027	0.05	1.37	0.25	0.00	0.00	0.01	1156.13	0.00		Aggregated
Santa Clara (SF)T6Heavy2028	0.05	1.37	0.25	0.00	0.00	0.01	1152.87	0.00		Aggregated
Santa Clara (SF)T6Heavy2029	0.05	1.36	0.25	0.00	0.00	0.01	1149.63	0.00		Aggregated
Santa Clara (SF)T6Heavy2030	0.05	1.35	0.25	0.00	0.00	0.01	1146.56	0.00		Aggregated

Construction - Unmitigated

Re-entrained Paved Road Dust Emission Factors

Methodology

Calculation Methodology: USEPA AP-42, Paved Roads, Section 13.2.1, Revised January 2011:
http://www.epa.gov/ttn/chief/ap42/ch13/final/c13s0201.pdf
Avg vehicle weight and silt loading on Local Roads within SFBAAB
http://www.arb.ca.gov/ei/areasrc/fullpdf/full7-9.pdf
Precipitation Days greater than 0.254mm (0.01 in)
http://www.wrcc.dri.edu/summary/Climsmcca.html

Pollutant	Variables					grams per mi, road	Road, Tire, + Brake Dust EF	
	k	sL	W	P	N	dust only	T6Heavy	T7Single
PM_{10}	1.00	0.32	2.4	55	365	0.83335	0.97569	0.93109
$PM_{2.5}$	0.25	0.32	2.4	55	365	0.20834	0.26720	0.24380

E = particulate emission factor (grams of particulate matter/VMT)	
k = particle size multiplier (g/VMT)	*default from AP-42*
sL = local roadway silt loading (g/m2)	*ARB Section 7.9, Table 3*
W = average weight of vehicles on the road (tons)	*ARB Section 7.9, Table 3*
P = number of wet days with at least 0.254mm of precipitation	*from WRCC*
N = number of days in the averaging period	*annual days (365)*

brake and tire wear (g/mi), from EMFAC2014

	PM10	PM2.5
T6Heavy	0.142340041	0.05886
T7Single	0.097740028	0.03546

Construction - Unmitigated

Fugitive Dust Emissions from Earthwork Activities

Methods taken driectly from Caleemod, within defaults and variables based on Caleemod and AP-42

Defaults for all variables use Caleemod defaults

Grading

Section 11.9, Western Surface Coal Mining

http://www.epa.gov/ttn/chief/ap42/ch11/final/c11s09.pdf

Method

E = EF x VMT, and

VMT = As / Wb x 43560 / 5280

Variables

EF PM15	2.57091	lbs/VMT
EF PM10	1.542546	lbs/VMT
EF tsp	5.372864191	lbs/VMT
EF pm2.5	0.16655879	lbs/VMT
multiplier	0.051	-
multiplier	0.04	-
S, mean speed	7.1	Caleemod default
Fpm2.5, scaling factor	0.031	-
Fpm10 scaling	0.6	-
EF (lbs/VMT from above)	1.542546	
W blade width (ft), use default	12	Caleemod default
conversion	43560	
conversion	5280	
acres (for lbs/acre emission rate)	1	
PM10 Emision Factor	1.060500375	lbs/acre uncontrolled
PM2.5 Emision Factor	0.114509168	lbs/acre uncontrolled

Truck Loading

Section 13.2.4, Aggregate Handling and Storage Piles

http://www.epa.gov/ttn/chief/ap42/ch13/final/c13s0204.pdf

Method

$$EF_{TSP} = \frac{C_{TSP} \times s^{1.2}}{M^{1.3}}, \text{ and } EF_{PM2.5} = EF_{TSP} \times F_{PM2.5}$$

5)^1.3

/2)^1.4

$$EF_{PM15} = \frac{C_{PM15} \times s^{1.5}}{M^{1.4}}, \text{ and } EF_{PM10} = EF_{PM15} \times F_{PM10}$$

42 default

kpm2.5	0.053	AP-42 default
U	3.14	(m/s for San Jose), based on 2009-2014 met data (used in AERMOD)
M	12	Caleemod default for truck loading
	0.0032	
typical ton per cy of dirt	1.2641662	caleemod default
EF PM10	0.000050	lbs/ton of material
EF PM2.5	0.000008	lbs/ton of material
EF PM10	0.000039	lbs/CY
EF PM2.5	0.000006	lbs/CY

lbs/CY = lbs/ton / 1.2641662 tons per cy

	10000
	0.393867036

Summary (all uncontrolled)	PM10	PM2.5	
Grading	1.061	0.115	lbs/acre
Bulldozing	0.753	0.079	lbs/hour of construction
Truck Loading/Piles	0.0000394	0.0000060	lbs/cy

Construction - Unmitigated

Architectural Coating Emission Factor

Cext and Cint	100	Exterior VOC content (g/L)	*
Emission Factor	0.0047	pounds per square foot	

* Project will pursue LEED v2009 Gold for commercial buildings and LEED v2009 Silver. Per Bill Camille (5/11/2015), low-VOC will be claimed as a credit. The 2009 manual requires paints comply with the Green Seal Standard GC-03, Anti-Corrosive Paints, 2nd Edition, 1997. Per the Green Seal Standard, the 1997 edition has been superseded by the 3rd edition. Per the 3rd edition, (page 13) VOC

Source: CalEEMod Appendix A, page 16

	not painted	painted	default painting fraction	scaling fraction
interior	25%	75%	75%	56%
exterior	95%	5%	25%	1%

Construction - Unmitigated

Demolition Coating Emission Factor

Dismemberment

EF = k * (0.0032) * (U/5)^1.3/(M/2)^1.4

k	0.0011	lb PM10/ton
	0.00017	lb PM2.5/ton
U	3.14	m/s
M	2%	CalEEMod default
PM10	0.0012131	lb PM10/ton
PM2.5	0.0001875	lb PM2.5/ton

Truck Loading

EF = k * EF(L-TSP)

k	0.35	PM10
	0.053	PM2.5
EF(L-TSP)	0.058	CalEEMod default
PM10	0.0203	lb PM10/ton
PM2.5	0.00307	lb PM2.5/ton

Source: CalEEMod

PM10	0.022	lb PM10/ton
PM2.5	0.003	lb PM2.5/ton
ton/square feet	0.046	CalEEMod (page 12)
PM10	0.001	lb PM10/SF
PM2.5	0.000	lb PM2.5/SF

Construction - Mitigated Tier 3 and 4.

Daily Construction from all but Equipment

		Pounds per day															Gal/Day	Pounds per day										
		2017																2018										
Sched Code	Description	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2
5-1-a	Site Prep, Clear and Grub and Rough Grading	0	1	1	0	1	1	0	0	0	0.0	695	0	0	16	714	33	0	0	1	0	1	1	0	0	0	0	684
5-1-c	Auger Cast Caissons & Site Utilities	1	1	7	0	4	4	0	1	1	0.0	2,102	0	0	83	2,190	108	1	1	6	0	4	4	0	1	1	0	2,053
5-1-d	Curb, Gutter & Interior Roads	1	1	9	0	5	5	0	1	1	0.0	2,149	0	0	104	2,254	113	1	1	8	0	5	5	0	1	1	0	2,090
5-1-e	Building Construction	15	5	43	1	23	25	1	6	6	0.1	10,504	0	0	518	11,027	557	14	5	38	1	23	25	1	6	6	0	10,210
4-2-a	Site Prep, Clear and Grub, Rough Grading	0	0	3	0	2	2	0	0	0	0.0	721	0	0	31	753	37	0	0	2	0	2	2	0	0	0	0	703
4-2-b	Demolition	0	1	3	0	2	2	0	1	1	0.0	1,487	0	0	31	1,526	71	0	1	2	0	2	2	0	1	1	0	1,464
4-2-c	Auger Cast Caissons & Site Utilities	2	3	13	0	8	8	0	2	2	0.0	4,534	0	0	155	4,704	228	1	3	12	0	8	8	0	2	2	0	4,441
4-2-d	Curb, Gutter & Interior Roads	2	3	17	1	10	10	0	2	3	0.0	4,658	0	0	207	4,871	243	2	2	15	1	10	10	0	2	3	0	4,538
4-2-e	Building Construction	35	11	103	3	55	58	1	14	15	0.2	24,414	0	0	1,243	25,664	1,301	34	10	92	3	55	58	1	14	15	0	23,712
4-3-c	Auger Cast Caissons & Site Utilities	2	2	13	0	8	8	0	2	2	0.0	4,007	0	0	155	4,172	205	1	2	12	0	8	8	0	2	2	0	3,915
4-3-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,078	0	0	207	4,286	217	2	2	15	1	9	10	0	2	3	0	3,961
4-3-e	Building Construction	23	5	47	1	25	27	1	6	7	0.1	11,145	0	0	570	11,718	594	22	5	42	1	25	27	1	6	7	0	10,824
4-4-a	Auger Cast Caissons & Site Utilities	0	1	3	0	2	2	0	0	0	0.0	1,213	0	0	31	1,250	59	0	1	2	0	2	2	0	0	0	0	1,192
4-4-c	Auger Cast Caissons & Site Utilities	2	2	13	0	7	8	0	2	2	0.0	3,480	0	0	155	3,640	182	1	2	12	0	7	8	0	2	2	0	3,390
4-4-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,117	0	0	207	4,326	219	2	2	15	1	9	10	0	2	3	0	4,000
4-4-e	Building Construction	25	6	47	1	26	27	1	6	7	0.1	11,581	0	0	570	12,157	614	25	5	42	1	26	27	1	6	7	0	11,258
3-2-a	Export to Parcel 4	0	0	3	0	1	1	0	0	0	0.0	661	0	0	31	693	35	0	0	2	0	1	1	0	0	0	0	643
3-5-c	Auger Cast Caissons & Site Utilities	2	2	13	0	7	7	0	2	2	0.0	3,345	0	0	155	3,504	176	1	2	12	0	7	7	0	2	2	0	3,256
3-5-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,042	0	0	207	4,251	216	2	2	15	1	9	10	0	2	3	0	3,925
3-5-e	Building Construction	19	5	47	1	25	27	1	6	7	0.1	11,317	0	0	570	11,891	602	19	5	42	1	25	27	1	6	7	0	10,995
1-6-a	Site Prep, Clear and Grub and Rough Grading	0	0	3	0	2	2	0	0	0	0.0	666	0	0	31	697	33	0	0	2	0	2	2	0	0	0	0	648
1-6-c	Auger Cast Caissons & Site Utilities	2	2	13	0	7	8	0	2	2	0.0	3,480	0	0	155	3,640	182	1	2	12	0	7	8	0	2	2	0	3,390
1-6-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,117	0	0	207	4,326	219	2	2	15	1	9	10	0	2	3	0	4,000
1-6-e	Building Construction	28	7	60	2	32	34	1	8	9	0.1	14,480	0	0	725	15,211	769	27	6	54	2	32	34	1	8	9	0	14,070
2-7-a	Site Prep, Clear and Grub and Rough Grading	0	0	3	0	2	2	0	0	0	0.0	675	0	0	31	706	33	0	0	2	0	2	2	0	0	0	0	657
2-7-c	Auger Cast Caissons & Site Utilities	1	1	5	0	3	3	0	1	1	0.0	1,708	0	0	62	1,775	87	1	1	5	0	3	3	0	1	1	0	1,671
2-7-d	Curb, Gutter & Interior Roads	1	1	7	0	4	4	0	1	1	0.0	1,755	0	0	83	1,839	92	1	1	6	0	4	4	0	1	1	0	1,707
2-7-e	Building Construction	20	5	43	1	23	25	1	6	6	0.1	10,464	0	0	518	10,988	555	19	5	38	1	23	25	1	6	6	0	10,171
2-8-a	Site Prep, Clear and Grub and Rough Grading	0	0	3	0	1	2	0	0	0	0.0	648	0	0	31	679	33	0	0	2	0	1	2	0	0	0	0	630
2-8-c	Auger Cast Caissons & Site Utilities	1	1	5	0	3	3	0	1	1	0.0	1,708	0	0	62	1,775	87	1	1	5	0	3	3	0	1	1	0	1,671
2-8-d	Curb, Gutter & Interior Roads	1	1	7	0	4	4	0	1	1	0.0	1,755	0	0	83	1,839	92	1	1	6	0	4	4	0	1	1	0	1,707
2-8-e	Building Construction	21	5	43	1	23	25	1	6	6	0.1	10,464	0	0	518	10,988	555	20	5	38	1	23	25	1	6	6	0	10,171
5-1-Pave	Paving	0.1																0.1										
4-2-Pave	Paving	0.2																0.2										
4-3-Pave	Paving	0.2																0.2										
4-4-Pave	Paving	0.1																0.1										
3-5-Pave	Paving	0.3																0.3										
1-6-Pave	Paving	0.4																0.4										
2-7-Pave	Paving	0.2																0.2										
2-8-Pave	Paving	0.2																0.2										

Construction - Mitigated Tier 3 and 4.

Daily Construction

					Gal/Day	Pounds per day															Gal/Day	Pounds per day									
						2019																2020									
Sched Code	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
5-1-a	0	0	15	702	33	0	0	1	0	1	1	0	0	0	0	672	0	0	15	690	32	0	0	1	0	1	1	0	0	0	0
5-1-c	0	0	80	2,138	105	1	1	6	0	4	4	0	1	1	0	2,002	0	0	78	2,084	102	1	1	5	0	4	4	0	1	1	0
5-1-d	0	0	101	2,192	110	1	1	7	0	5	5	0	1	1	0	2,028	0	0	97	2,127	107	1	1	6	0	5	5	0	1	1	0
5-1-e	0	0	503	10,719	541	14	4	34	1	23	25	1	6	6	0	9,904	0	0	487	10,396	524	14	4	31	1	23	25	1	6	6	0
4-2-a	0	0	30	734	36	0	0	2	0	2	2	0	0	0	0	684	0	0	29	714	35	0	0	2	0	2	2	0	0	0	0
4-2-b	0	0	30	1,502	70	0	1	2	0	2	2	0	1	1	0	1,440	0	0	29	1,476	69	0	1	2	0	2	2	0	1	1	0
4-2-c	0	0	151	4,605	223	1	3	11	0	8	8	0	2	2	0	4,341	0	0	146	4,501	218	1	3	10	0	8	8	0	2	2	0
4-2-d	0	0	201	4,745	236	2	2	14	1	10	10	0	2	3	0	4,412	0	0	195	4,613	230	2	2	13	1	10	10	0	2	3	0
4-2-e	0	0	1,206	24,925	1,262	33	9	82	3	55	58	1	14	15	0	22,978	0	0	1,168	24,153	1,222	32	8	75	3	55	58	1	14	15	0
4-3-c	0	0	151	4,075	200	1	2	10	0	8	8	0	2	2	0	3,819	0	0	146	3,974	195	1	2	10	0	8	8	0	2	2	0
4-3-d	0	0	201	4,163	211	2	1	14	1	9	10	0	2	3	0	3,838	0	0	195	4,034	204	2	1	12	1	9	10	0	2	3	0
4-3-e	0	0	553	11,379	577	21	4	38	1	25	27	1	6	7	0	10,487	0	0	535	11,026	558	21	4	34	1	25	27	1	6	7	0
4-4-a	0	0	30	1,228	58	0	1	2	0	2	2	0	0	0	0	1,170	0	0	29	1,204	56	0	1	2	0	2	2	0	0	0	0
4-4-c	0	0	151	3,546	177	1	2	10	0	7	8	0	2	2	0	3,296	0	0	146	3,447	172	1	2	9	0	7	8	0	2	2	0
4-4-d	0	0	201	4,202	212	2	2	14	1	9	10	0	2	3	0	3,877	0	0	195	4,073	206	2	1	12	1	9	10	0	2	3	0
4-4-e	0	0	553	11,818	596	24	5	38	1	26	27	1	6	7	0	10,921	0	0	535	11,462	577	24	4	34	1	26	27	1	6	7	0
3-2-a	0	0	30	674	34	0	0	2	0	1	1	0	0	0	0	624	0	0	29	654	33	0	0	2	0	1	1	0	0	0	0
3-5-c	0	0	151	3,410	171	1	1	10	0	7	7	0	2	2	0	3,163	0	0	146	3,312	166	1	1	9	0	7	7	0	2	2	0
3-5-d	0	0	201	4,127	209	2	1	14	1	9	10	0	2	3	0	3,803	0	0	195	3,999	203	2	1	12	1	9	10	0	2	3	0
3-5-e	0	0	553	11,552	584	18	4	38	1	25	27	1	6	7	0	10,658	0	0	535	11,197	566	18	4	34	1	25	27	1	6	7	0
1-6-a	0	0	30	679	32	0	0	2	0	2	2	0	0	0	0	630	0	0	29	659	31	0	0	2	0	2	2	0	0	0	0
1-6-c	0	0	151	3,546	177	1	2	10	0	7	8	0	2	2	0	3,296	0	0	146	3,447	172	1	2	9	0	7	8	0	2	2	0
1-6-d	0	0	201	4,202	212	2	2	14	1	9	10	0	2	3	0	3,877	0	0	195	4,073	206	2	1	12	1	9	10	0	2	3	0
1-6-e	0	0	704	14,780	747	26	6	48	2	32	34	1	8	9	0	13,641	0	0	681	14,329	724	26	5	44	2	32	34	1	8	9	0
2-7-a	0	0	30	688	32	0	0	2	0	2	2	0	0	0	0	639	0	0	29	668	31	0	0	2	0	2	2	0	0	0	0
2-7-c	0	0	60	1,736	85	1	1	4	0	3	3	0	1	1	0	1,632	0	0	58	1,695	83	0	1	4	0	3	3	0	1	1	0
2-7-d	0	0	80	1,789	90	1	1	6	0	4	4	0	1	1	0	1,658	0	0	78	1,737	87	1	1	5	0	4	4	0	1	1	0
2-7-e	0	0	503	10,679	539	19	4	34	1	23	25	1	6	6	0	9,865	0	0	487	10,357	522	18	4	31	1	23	25	1	6	6	0
2-8-a	0	0	30	661	32	0	0	2	0	1	2	0	0	0	0	612	0	0	29	641	31	0	0	2	0	1	2	0	0	0	0
2-8-c	0	0	60	1,736	85	1	1	4	0	3	3	0	1	1	0	1,632	0	0	58	1,695	83	0	1	4	0	3	3	0	1	1	0
2-8-d	0	0	80	1,789	90	1	1	6	0	4	4	0	1	1	0	1,658	0	0	78	1,737	87	1	1	5	0	4	4	0	1	1	0
2-8-e	0	0	503	10,679	539	20	4	34	1	23	25	1	6	6	0	9,865	0	0	487	10,357	522	19	4	31	1	23	25	1	6	6	0
5-1-Pave						0.1																0.1									
4-2-Pave						0.2																0.2									
4-3-Pave						0.2																0.2									
4-4-Pave						0.1																0.1									
3-5-Pave						0.3																0.3									
1-6-Pave						0.4																0.4									
2-7-Pave						0.2																0.2									
2-8-Pave						0.2																0.2									

Construction - Mitigated Tier 3 and 4.

Daily Construction

						Gal/Day	Pounds per day															Gal/Day	Pounds per day								
							2021																2022								
Sched Code	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T
5-1-a	662	0	0	14	679	31	0	0	1	0	1	1	0	0	0	0	649	0	0	14	666	31	0	0	1	0	1	1	0	0	0
5-1-c	1,951	0	0	75	2,031	100	1	1	5	0	4	4	0	1	1	0	1,896	0	0	73	1,973	97	1	1	4	0	4	4	0	1	1
5-1-d	1,966	0	0	94	2,061	104	1	1	6	0	5	5	0	1	1	0	1,899	0	0	91	1,992	100	1	1	5	0	5	5	0	1	1
5-1-e	9,594	0	0	470	10,070	507	13	3	28	1	23	25	1	6	6	0	9,266	0	0	453	9,725	489	13	3	26	1	23	25	1	6	6
4-2-a	665	0	0	28	694	34	0	0	2	0	2	2	0	0	0	0	644	0	0	27	673	33	0	0	2	0	2	2	0	0	0
4-2-b	1,419	0	0	28	1,455	68	0	1	2	0	2	2	0	1	1	0	1,392	0	0	27	1,427	67	0	1	2	0	2	2	0	1	1
4-2-c	4,245	0	0	141	4,400	213	1	3	9	0	8	8	0	2	2	0	4,138	0	0	136	4,287	207	1	3	8	0	8	8	0	2	2
4-2-d	4,287	0	0	188	4,481	223	1	2	11	1	10	10	0	2	3	0	4,152	0	0	181	4,340	216	1	2	11	1	10	10	0	2	3
4-2-e	22,237	0	0	1,129	23,373	1,182	31	7	68	3	55	58	1	14	15	0	21,453	0	0	1,088	22,548	1,140	31	7	62	3	55	58	1	14	15
4-3-c	3,724	0	0	141	3,874	190	1	2	9	0	8	8	0	2	2	0	3,620	0	0	136	3,765	184	1	2	8	0	8	8	0	2	2
4-3-d	3,715	0	0	188	3,904	197	1	1	11	1	9	10	0	2	3	0	3,584	0	0	181	3,766	190	1	1	10	1	9	10	0	2	3
4-3-e	10,148	0	0	518	10,668	540	21	3	31	1	25	27	1	6	7	0	9,789	0	0	499	10,290	520	21	3	29	1	25	27	1	6	7
4-4-a	1,150	0	0	28	1,183	55	0	1	2	0	2	2	0	0	0	0	1,125	0	0	27	1,157	54	0	1	2	0	2	2	0	0	0
4-4-c	3,203	0	0	141	3,348	167	1	1	9	0	7	8	0	2	2	0	3,102	0	0	136	3,242	161	1	1	8	0	7	8	0	2	2
4-4-d	3,753	0	0	188	3,943	199	1	1	11	1	9	10	0	2	3	0	3,622	0	0	181	3,805	192	1	1	10	1	9	10	0	2	3
4-4-e	10,580	0	0	518	11,104	559	23	4	31	1	26	27	1	6	7	0	10,219	0	0	499	10,724	540	23	4	29	1	26	27	1	6	7
3-2-a	606	0	0	28	635	32	0	0	2	0	1	1	0	0	0	0	586	0	0	27	614	31	0	0	2	0	1	1	0	0	0
3-5-c	3,069	0	0	141	3,214	161	1	1	9	0	7	7	0	2	2	0	2,970	0	0	136	3,109	155	1	1	8	0	7	7	0	2	2
3-5-d	3,680	0	0	188	3,869	196	1	1	11	1	9	10	0	2	3	0	3,549	0	0	181	3,731	189	1	1	10	1	9	10	0	2	3
3-5-e	10,318	0	0	518	10,840	547	18	4	31	1	25	27	1	6	7	0	9,958	0	0	499	10,461	528	17	3	29	1	25	27	1	6	7
1-6-a	611	0	0	28	640	30	0	0	2	0	2	2	0	0	0	0	591	0	0	27	619	29	0	0	2	0	2	2	0	0	0
1-6-c	3,203	0	0	141	3,348	167	1	1	9	0	7	8	0	2	2	0	3,102	0	0	136	3,242	161	1	1	8	0	7	8	0	2	2
1-6-d	3,753	0	0	188	3,943	199	1	1	11	1	9	10	0	2	3	0	3,622	0	0	181	3,805	192	1	1	10	1	9	10	0	2	3
1-6-e	13,208	0	0	659	13,873	700	25	5	40	2	32	34	1	8	9	0	12,750	0	0	635	13,391	675	25	4	36	2	32	34	1	8	9
2-7-a	620	0	0	28	649	30	0	0	2	0	2	2	0	0	0	0	600	0	0	27	628	29	0	0	2	0	2	2	0	0	0
2-7-c	1,594	0	0	56	1,655	81	0	1	4	0	3	3	0	1	1	0	1,551	0	0	54	1,610	78	0	1	3	0	3	3	0	1	1
2-7-d	1,608	0	0	75	1,685	84	1	1	5	0	4	4	0	1	1	0	1,555	0	0	73	1,629	82	1	1	4	0	4	4	0	1	1
2-7-e	9,555	0	0	470	10,031	505	18	3	28	1	23	25	1	6	6	0	9,227	0	0	453	9,686	488	18	3	26	1	23	25	1	6	6
2-8-a	593	0	0	28	622	30	0	0	2	0	1	2	0	0	0	0	573	0	0	27	601	29	0	0	2	0	1	2	0	0	0
2-8-c	1,594	0	0	56	1,655	81	0	1	4	0	3	3	0	1	1	0	1,551	0	0	54	1,610	78	0	1	3	0	3	3	0	1	1
2-8-d	1,608	0	0	75	1,685	84	1	1	5	0	4	4	0	1	1	0	1,555	0	0	73	1,629	82	1	1	4	0	4	4	0	1	1
2-8-e	9,555	0	0	470	10,031	505	19	3	28	1	23	25	1	6	6	0	9,227	0	0	453	9,686	488	19	3	26	1	23	25	1	6	6
5-1-Pave							0.1																0.1								
4-2-Pave							0.2																0.2								
4-3-Pave							0.2																0.2								
4-4-Pave							0.1																0.1								
3-5-Pave							0.3																0.3								
1-6-Pave							0.4																0.4								
2-7-Pave							0.2																0.2								
2-8-Pave							0.2																0.2								

Construction - Mitigated Tier 3 and 4.

Daily Construction

							Gal/Day	Pounds per day																Gal/Day	Pounds per da							
								2023																	20							
Sched Code	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D
5-1-a	0	636	0	0	13	652	30	0	0	1	0	1	1	0	0	0	0	623	0	0	13	639	29	0	0	1	0	1	1	0	0
5-1-c	0	1,840	0	0	70	1,915	94	1	1	4	0	4	4	0	1	1	0	1,780	0	0	67	1,852	91	0	1	4	0	4	4	0	1
5-1-d	0	1,833	0	0	87	1,922	96	1	1	5	0	5	5	0	1	1	0	1,764	0	0	84	1,849	93	1	1	4	0	5	5	0	1
5-1-e	0	8,938	0	0	436	9,379	472	13	3	24	1	23	25	1	6	6	0	8,590	0	0	419	9,014	453	13	3	22	1	23	25	1	6
4-2-a	0	624	0	0	26	651	32	0	0	1	0	2	2	0	0	0	0	603	0	0	25	629	31	0	0	1	0	2	2	0	0
4-2-b	0	1,365	0	0	26	1,399	65	0	1	2	0	2	2	0	1	1	0	1,338	0	0	25	1,371	64	0	1	2	0	2	2	0	1
4-2-c	0	4,029	0	0	131	4,173	201	1	2	8	0	8	8	0	2	2	0	3,909	0	0	126	4,048	195	1	2	7	0	8	8	0	2
4-2-d	0	4,017	0	0	175	4,198	208	1	2	10	1	10	10	0	2	3	0	3,874	0	0	167	4,048	201	1	1	9	1	10	10	0	2
4-2-e	0	20,670	0	0	1,047	21,723	1,098	30	6	58	3	55	58	1	14	15	0	19,849	0	0	1,005	20,861	1,054	30	5	53	3	55	58	1	14
4-3-c	0	3,515	0	0	131	3,655	179	1	2	7	0	8	8	0	2	2	0	3,401	0	0	126	3,536	173	1	2	7	0	8	8	0	2
4-3-d	0	3,453	0	0	175	3,628	183	1	1	10	1	9	10	0	2	3	0	3,317	0	0	167	3,485	176	1	1	9	1	9	10	0	2
4-3-e	0	9,430	0	0	480	9,913	501	20	3	26	1	25	27	1	6	7	0	9,055	0	0	460	9,518	481	20	2	25	1	25	27	1	6
4-4-a	0	1,101	0	0	26	1,132	53	0	1	2	0	2	2	0	0	0	0	1,076	0	0	25	1,106	51	0	1	1	0	2	2	0	0
4-4-c	0	3,001	0	0	131	3,136	156	1	1	7	0	7	8	0	2	2	0	2,893	0	0	126	3,023	150	1	1	7	0	7	8	0	2
4-4-d	0	3,491	0	0	175	3,667	185	1	1	10	1	9	10	0	2	3	0	3,354	0	0	167	3,523	178	1	1	9	1	9	10	0	2
4-4-e	0	9,858	0	0	480	10,344	520	23	3	26	1	26	27	1	6	7	0	9,475	0	0	460	9,942	500	23	3	25	1	26	27	1	6
3-2-a	0	566	0	0	26	592	30	0	0	1	0	1	1	0	0	0	0	545	0	0	25	571	29	0	0	1	0	1	1	0	0
3-5-c	0	2,869	0	0	131	3,004	150	1	1	7	0	7	7	0	2	2	0	2,764	0	0	126	2,892	144	1	1	7	0	7	7	0	2
3-5-d	0	3,418	0	0	175	3,594	182	1	1	10	1	9	10	0	2	3	0	3,282	0	0	167	3,451	174	1	1	9	1	9	10	0	2
3-5-e	0	9,598	0	0	480	10,082	509	17	3	26	1	25	27	1	6	7	0	9,220	0	0	460	9,685	488	17	3	25	1	25	27	1	6
1-6-a	0	572	0	0	26	598	28	0	0	1	0	2	2	0	0	0	0	551	0	0	25	577	27	0	0	1	0	2	2	0	0
1-6-c	0	3,001	0	0	131	3,136	156	1	1	7	0	7	8	0	2	2	0	2,893	0	0	126	3,023	150	1	1	7	0	7	8	0	2
1-6-d	0	3,491	0	0	175	3,667	185	1	1	10	1	9	10	0	2	3	0	3,354	0	0	167	3,523	178	1	1	9	1	9	10	0	2
1-6-e	0	12,292	0	0	611	12,909	651	25	4	34	2	32	34	1	8	9	0	11,809	0	0	586	12,401	625	25	3	31	2	32	34	1	8
2-7-a	0	581	0	0	26	607	28	0	0	1	0	2	2	0	0	0	0	560	0	0	25	586	27	0	0	1	0	2	2	0	0
2-7-c	0	1,509	0	0	52	1,566	76	0	1	3	0	3	3	0	1	1	0	1,462	0	0	50	1,517	74	0	1	3	0	3	3	0	1
2-7-d	0	1,502	0	0	70	1,573	79	1	1	4	0	4	4	0	1	1	0	1,446	0	0	67	1,514	76	0	0	4	0	4	4	0	1
2-7-e	0	8,899	0	0	436	9,341	470	18	3	24	1	23	25	1	6	6	0	8,552	0	0	419	8,976	452	17	3	22	1	23	25	1	6
2-8-a	0	554	0	0	26	580	28	0	0	1	0	1	2	0	0	0	0	533	0	0	25	559	27	0	0	1	0	1	2	0	0
2-8-c	0	1,509	0	0	52	1,566	76	0	1	3	0	3	3	0	1	1	0	1,462	0	0	50	1,517	74	0	1	3	0	3	3	0	1
2-8-d	0	1,502	0	0	70	1,573	79	1	1	4	0	4	4	0	1	1	0	1,446	0	0	67	1,514	76	0	0	4	0	4	4	0	1
2-8-e	0	8,899	0	0	436	9,341	470	19	3	24	1	23	25	1	6	6	0	8,552	0	0	419	8,976	452	19	3	22	1	23	25	1	6
5-1-Pave								0.1																0.1							
4-2-Pave								0.2																0.2							
4-3-Pave								0.2																0.2							
4-4-Pave								0.1																0.1							
3-5-Pave								0.3																0.3							
1-6-Pave								0.4																0.4							
2-7-Pave								0.2																0.2							
2-8-Pave								0.2																0.2							

Construction - Mitigated Tier 3 and 4.

Daily Construction

	ly							Gal/Day	Pounds per day															Gal/Day	P						
	24								2025																						
Sched Code	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex
5-1-a	0	0	611	0	0	12	627	29	0	0	1	0	1	1	0	0	0	0	599	0	0	11	614	28	0	0	1	0	1	1	0
5-1-c	1	0	1,724	0	0	64	1,792	88	0	1	3	0	4	4	0	1	1	0	1,664	0	0	61	1,729	84	0	1	3	0	4	4	0
5-1-d	1	0	1,695	0	0	80	1,777	89	1	1	4	0	5	5	0	1	1	0	1,622	0	0	76	1,700	85	1	0	4	0	5	5	0
5-1-e	6	0	8,248	0	0	401	8,655	435	13	2	21	1	23	25	1	6	6	0	7,882	0	0	382	8,269	415	12	2	20	1	23	25	1
4-2-a	0	0	582	0	0	24	607	30	0	0	1	0	2	2	0	0	0	0	560	0	0	23	584	29	0	0	1	0	2	2	0
4-2-b	1	0	1,315	0	0	24	1,346	63	0	1	1	0	2	2	0	1	1	0	1,290	0	0	23	1,320	61	0	1	1	0	2	2	0
4-2-c	2	0	3,801	0	0	120	3,935	189	1	2	7	0	8	8	0	2	2	0	3,686	0	0	114	3,814	183	1	2	6	0	8	8	0
4-2-d	3	0	3,736	0	0	160	3,902	193	1	1	8	1	10	10	0	2	3	0	3,588	0	0	153	3,746	185	1	1	8	1	10	10	0
4-2-e	15	0	19,032	0	0	962	20,000	1,010	29	5	50	3	55	58	1	14	15	0	18,155	0	0	916	19,077	963	29	5	47	3	55	58	1
4-3-c	2	0	3,296	0	0	120	3,424	167	1	2	6	0	8	8	0	2	2	0	3,183	0	0	114	3,306	161	1	2	6	0	8	8	0
4-3-d	3	0	3,180	0	0	160	3,342	169	1	1	8	1	9	10	0	2	3	0	3,034	0	0	153	3,188	161	1	1	8	1	9	10	0
4-3-e	7	0	8,680	0	0	441	9,123	461	20	2	23	1	25	27	1	6	7	0	8,278	0	0	420	8,701	439	20	2	21	1	25	27	1
4-4-a	0	0	1,053	0	0	24	1,082	50	0	1	1	0	2	2	0	0	0	0	1,029	0	0	23	1,057	49	0	1	1	0	2	2	0
4-4-c	2	0	2,790	0	0	120	2,914	144	1	1	6	0	7	8	0	2	2	0	2,679	0	0	114	2,797	139	1	1	6	0	7	8	0
4-4-d	3	0	3,218	0	0	160	3,380	170	1	1	8	1	9	10	0	2	3	0	3,072	0	0	153	3,226	162	1	1	8	1	9	10	0
4-4-e	7	0	9,099	0	0	441	9,546	479	23	3	23	1	26	27	1	6	7	0	8,696	0	0	420	9,121	458	22	3	22	1	26	27	1
3-2-a	0	0	524	0	0	24	549	27	0	0	1	0	1	1	0	0	0	0	502	0	0	23	526	26	0	0	1	0	1	1	0
3-5-c	2	0	2,660	0	0	120	2,784	139	1	1	6	0	7	7	0	2	2	0	2,550	0	0	114	2,667	133	1	1	6	0	7	7	0
3-5-d	3	0	3,146	0	0	160	3,307	167	1	1	8	1	9	10	0	2	3	0	3,000	0	0	153	3,154	159	1	1	8	1	9	10	0
3-5-e	7	0	8,845	0	0	441	9,290	468	17	2	23	1	25	27	1	6	7	0	8,442	0	0	420	8,866	447	17	2	21	1	25	27	1
1-6-a	0	0	531	0	0	24	555	26	0	0	1	0	2	2	0	0	0	0	509	0	0	23	532	24	0	0	1	0	2	2	0
1-6-c	2	0	2,790	0	0	120	2,914	144	1	1	6	0	7	8	0	2	2	0	2,679	0	0	114	2,797	139	1	1	6	0	7	8	0
1-6-d	3	0	3,218	0	0	160	3,380	170	1	1	8	1	9	10	0	2	3	0	3,072	0	0	153	3,226	162	1	1	8	1	9	10	0
1-6-e	9	0	11,331	0	0	561	11,898	599	24	3	29	2	32	34	1	8	9	0	10,819	0	0	534	11,359	572	24	3	27	2	32	34	1
2-7-a	0	0	540	0	0	24	564	26	0	0	1	0	2	2	0	0	0	0	518	0	0	23	541	24	0	0	1	0	2	2	0
2-7-c	1	0	1,419	0	0	48	1,472	71	0	1	3	0	3	3	0	1	1	0	1,374	0	0	46	1,424	69	0	1	2	0	3	3	0
2-7-d	1	0	1,391	0	0	64	1,456	73	0	0	3	0	4	4	0	1	1	0	1,332	0	0	61	1,394	70	0	0	3	0	4	4	0
2-7-e	6	0	8,211	0	0	401	8,616	433	17	2	21	1	23	25	1	6	6	0	7,844	0	0	382	8,231	414	17	2	20	1	23	25	1
2-8-a	0	0	513	0	0	24	537	26	0	0	1	0	1	2	0	0	0	0	491	0	0	23	514	24	0	0	1	0	1	2	0
2-8-c	1	0	1,419	0	0	48	1,472	71	0	1	3	0	3	3	0	1	1	0	1,374	0	0	46	1,424	69	0	1	2	0	3	3	0
2-8-d	1	0	1,391	0	0	64	1,456	73	0	0	3	0	4	4	0	1	1	0	1,332	0	0	61	1,394	70	0	0	3	0	4	4	0
2-8-e	6	0	8,211	0	0	401	8,616	433	18	2	21	1	23	25	1	6	6	0	7,844	0	0	382	8,231	414	18	2	20	1	23	25	1
5-1-Pave									0.1																0.1						
4-2-Pave									0.2																0.2						
4-3-Pave									0.2																0.2						
4-4-Pave									0.1																0.1						
3-5-Pave									0.3																0.3						
1-6-Pave									0.4																0.4						
2-7-Pave									0.2																0.2						
2-8-Pave									0.2																0.2						

Construction - Mitigated Tier 3 and 4.

Daily Construction

	ounds per day								Gal/Day	Pounds per day																Gal/Day						
	2026									2027																						
Sched Code	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T
5-1-a	0	0	0	588	0	0	11	602	28	0	0	1	0	1	1	0	0	0	0	578	0	0	10	592	27	0	0	1	0	1	1
5-1-c	1	1	0	1,611	0	0	58	1,673	81	0	1	3	0	4	4	0	1	1	0	1,563	0	0	56	1,623	79	0	1	3	0	4	4
5-1-d	1	1	0	1,557	0	0	73	1,632	82	1	0	4	0	5	5	0	1	1	0	1,500	0	0	70	1,571	79	1	0	4	0	5	5
5-1-e	6	6	0	7,559	0	0	365	7,929	398	12	2	18	1	23	25	1	6	6	0	7,271	0	0	350	7,626	383	12	2	17	1	23	25
4-2-a	0	0	0	540	0	0	22	563	28	0	0	1	0	2	2	0	0	0	0	522	0	0	21	544	27	0	0	1	0	2	2
4-2-b	1	1	0	1,268	0	0	22	1,297	60	0	1	1	0	2	2	0	1	1	0	1,247	0	0	21	1,276	59	0	1	1	0	2	2
4-2-c	2	2	0	3,584	0	0	109	3,707	178	1	2	6	0	8	8	0	2	2	0	3,492	0	0	105	3,610	173	1	2	6	0	8	8
4-2-d	2	3	0	3,457	0	0	146	3,609	178	1	1	7	1	10	10	0	2	3	0	3,340	0	0	140	3,486	172	1	1	7	1	10	10
4-2-e	14	15	0	17,383	0	0	875	18,264	921	29	4	44	3	55	58	1	14	15	0	16,697	0	0	839	17,543	885	29	4	42	3	55	58
4-3-c	2	2	0	3,082	0	0	109	3,201	156	1	2	6	0	8	8	0	2	2	0	2,993	0	0	105	3,106	151	1	1	5	0	8	8
4-3-d	2	3	0	2,905	0	0	146	3,052	154	1	1	7	1	9	10	0	2	3	0	2,791	0	0	140	2,932	148	1	1	7	1	9	10
4-3-e	6	7	0	7,925	0	0	401	8,328	420	20	2	20	1	25	27	1	6	7	0	7,610	0	0	385	7,998	404	20	2	19	1	25	27
4-4-a	0	0	0	1,008	0	0	22	1,035	48	0	1	1	0	2	2	0	0	0	0	989	0	0	21	1,015	47	0	1	1	0	2	2
4-4-c	2	2	0	2,581	0	0	109	2,694	133	1	1	6	0	7	8	0	2	2	0	2,493	0	0	105	2,602	129	1	1	5	0	7	8
4-4-d	2	3	0	2,943	0	0	146	3,090	156	1	1	7	1	9	10	0	2	3	0	2,828	0	0	140	2,970	149	1	1	7	1	9	10
4-4-e	6	7	0	8,340	0	0	401	8,747	439	22	2	20	1	26	27	1	6	7	0	8,024	0	0	385	8,415	422	22	2	19	1	26	27
3-2-a	0	0	0	483	0	0	22	505	25	0	0	1	0	1	1	0	0	0	0	465	0	0	21	487	24	0	0	1	0	1	1
3-5-c	2	2	0	2,452	0	0	109	2,565	128	1	1	6	0	7	7	0	2	2	0	2,365	0	0	105	2,473	123	1	1	5	0	7	7
3-5-d	2	3	0	2,872	0	0	146	3,018	152	1	1	7	1	9	10	0	2	3	0	2,758	0	0	140	2,898	146	1	1	7	1	9	10
3-5-e	6	7	0	8,088	0	0	401	8,493	428	16	2	20	1	25	27	1	6	7	0	7,773	0	0	385	8,162	411	16	2	19	1	25	27
1-6-a	0	0	0	490	0	0	22	512	23	0	0	1	0	2	2	0	0	0	0	472	0	0	21	494	22	0	0	1	0	2	2
1-6-c	2	2	0	2,581	0	0	109	2,694	133	1	1	6	0	7	8	0	2	2	0	2,493	0	0	105	2,602	129	1	1	5	0	7	8
1-6-d	2	3	0	2,943	0	0	146	3,090	156	1	1	7	1	9	10	0	2	3	0	2,828	0	0	140	2,970	149	1	1	7	1	9	10
1-6-e	8	9	0	10,367	0	0	511	10,884	548	24	3	26	2	32	34	1	8	9	0	9,966	0	0	490	10,461	526	24	3	24	2	32	34
2-7-a	0	0	0	499	0	0	22	521	23	0	0	1	0	2	2	0	0	0	0	481	0	0	21	503	22	0	0	1	0	2	2
2-7-c	1	1	0	1,333	0	0	44	1,381	67	0	1	2	0	3	3	0	1	1	0	1,297	0	0	42	1,343	65	0	1	2	0	3	3
2-7-d	1	1	0	1,280	0	0	58	1,340	67	0	0	3	0	4	4	0	1	1	0	1,234	0	0	56	1,291	64	0	0	3	0	4	4
2-7-e	6	6	0	7,521	0	0	365	7,891	396	17	2	18	1	23	25	1	6	6	0	7,234	0	0	350	7,589	381	17	2	17	1	23	25
2-8-a	0	0	0	472	0	0	22	494	23	0	0	1	0	1	2	0	0	0	0	454	0	0	21	476	22	0	0	1	0	1	2
2-8-c	1	1	0	1,333	0	0	44	1,381	67	0	1	2	0	3	3	0	1	1	0	1,297	0	0	42	1,343	65	0	1	2	0	3	3
2-8-d	1	1	0	1,280	0	0	58	1,340	67	0	0	3	0	4	4	0	1	1	0	1,234	0	0	56	1,291	64	0	0	3	0	4	4
2-8-e	6	6	0	7,521	0	0	365	7,891	396	18	2	18	1	23	25	1	6	6	0	7,234	0	0	350	7,589	381	18	2	17	1	23	25
5-1-Pave										0.1																0.1						
4-2-Pave										0.2																0.2						
4-3-Pave										0.2																0.2						
4-4-Pave										0.1																0.1						
3-5-Pave										0.3																0.3						
1-6-Pave										0.4																0.4						
2-7-Pave										0.2																0.2						
2-8-Pave										0.2																0.2						

Construction - Mitigated Tier 3 and 4.

Daily Construction

	Pounds per day									Gal/Day	Pounds per day															Gal/Day					
	2028										2029																				
Sched Code	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D
5-1-a	0	0	0	0	569	0	0	10	583	27	0	0	1	0	1	1	0	0	0	0	562	0	0	10	575	26	0	0	1	0	1
5-1-c	0	1	1	0	1,521	0	0	54	1,579	77	0	1	3	0	4	4	0	1	1	0	1,484	0	0	52	1,540	75	0	1	3	0	4
5-1-d	0	1	1	0	1,449	0	0	67	1,518	76	0	0	3	0	5	5	0	1	1	0	1,404	0	0	65	1,470	73	0	0	3	0	5
5-1-e	1	6	6	0	7,018	0	0	336	7,360	369	12	2	17	1	23	25	1	6	6	0	6,795	0	0	325	7,125	357	12	2	16	1	23
4-2-a	0	0	0	0	507	0	0	20	528	26	0	0	1	0	2	2	0	0	0	0	493	0	0	19	514	25	0	0	1	0	2
4-2-b	0	1	1	0	1,230	0	0	20	1,257	58	0	1	1	0	2	2	0	1	1	0	1,214	0	0	19	1,240	57	0	1	1	0	2
4-2-c	0	2	2	0	3,413	0	0	101	3,526	169	1	2	5	0	8	8	0	2	2	0	3,342	0	0	97	3,452	165	1	2	5	0	8
4-2-d	0	2	3	0	3,238	0	0	135	3,378	167	1	1	7	1	10	10	0	2	3	0	3,147	0	0	130	3,283	162	1	1	6	1	10
4-2-e	1	14	15	0	16,092	0	0	808	16,906	852	28	4	39	3	55	58	1	14	15	0	15,558	0	0	780	16,344	824	28	4	37	3	55
4-3-c	0	2	2	0	2,914	0	0	101	3,024	147	1	1	5	0	8	8	0	2	2	0	2,845	0	0	97	2,951	143	1	1	5	0	8
4-3-d	0	2	3	0	2,690	0	0	135	2,826	142	1	1	7	1	9	10	0	2	3	0	2,601	0	0	130	2,732	138	1	1	6	1	9
4-3-e	1	6	7	0	7,334	0	0	370	7,706	389	19	2	18	1	25	27	1	6	7	0	7,089	0	0	357	7,449	376	19	2	17	1	25
4-4-a	0	0	0	0	972	0	0	20	997	46	0	1	1	0	2	2	0	0	0	0	957	0	0	19	981	45	0	1	1	0	2
4-4-c	0	2	2	0	2,416	0	0	101	2,521	125	1	1	5	0	7	8	0	2	2	0	2,348	0	0	97	2,450	121	1	1	5	0	7
4-4-d	0	2	3	0	2,727	0	0	135	2,864	144	1	1	7	1	9	10	0	2	3	0	2,638	0	0	130	2,770	139	1	1	6	1	9
4-4-e	1	6	7	0	7,746	0	0	370	8,122	407	22	2	18	1	26	27	1	6	7	0	7,500	0	0	357	7,863	394	22	2	17	1	26
3-2-a	0	0	0	0	450	0	0	20	471	23	0	0	1	0	1	1	0	0	0	0	437	0	0	19	457	23	0	0	1	0	1
3-5-c	0	2	2	0	2,289	0	0	101	2,393	119	1	1	5	0	7	7	0	2	2	0	2,221	0	0	97	2,322	115	1	1	5	0	7
3-5-d	0	2	3	0	2,657	0	0	135	2,792	141	1	1	7	1	9	10	0	2	3	0	2,568	0	0	130	2,699	136	1	1	6	1	9
3-5-e	1	6	7	0	7,496	0	0	370	7,870	396	16	2	18	1	25	27	1	6	7	0	7,251	0	0	357	7,612	383	16	2	17	1	25
1-6-a	0	0	0	0	457	0	0	20	478	22	0	0	1	0	2	2	0	0	0	0	444	0	0	19	464	21	0	0	1	0	2
1-6-c	0	2	2	0	2,416	0	0	101	2,521	125	1	1	5	0	7	8	0	2	2	0	2,348	0	0	97	2,450	121	1	1	5	0	7
1-6-d	0	2	3	0	2,727	0	0	135	2,864	144	1	1	7	1	9	10	0	2	3	0	2,638	0	0	130	2,770	139	1	1	6	1	9
1-6-e	1	8	9	0	9,613	0	0	471	10,090	507	24	3	23	2	32	34	1	8	9	0	9,301	0	0	455	9,761	491	24	2	22	2	32
2-7-a	0	0	0	0	466	0	0	20	487	22	0	0	1	0	2	2	0	0	0	0	453	0	0	19	473	21	0	0	1	0	2
2-7-c	0	1	1	0	1,265	0	0	40	1,310	63	0	1	2	0	3	3	0	1	1	0	1,237	0	0	39	1,281	62	0	1	2	0	3
2-7-d	0	1	1	0	1,193	0	0	54	1,248	62	0	0	3	0	4	4	0	1	1	0	1,157	0	0	52	1,211	60	0	0	3	0	4
2-7-e	1	6	6	0	6,981	0	0	336	7,323	367	17	2	17	1	23	25	1	6	6	0	6,758	0	0	325	7,088	355	17	2	16	1	23
2-8-a	0	0	0	0	439	0	0	20	460	22	0	0	1	0	1	2	0	0	0	0	426	0	0	19	446	21	0	0	1	0	1
2-8-c	0	1	1	0	1,265	0	0	40	1,310	63	0	1	2	0	3	3	0	1	1	0	1,237	0	0	39	1,281	62	0	1	2	0	3
2-8-d	0	1	1	0	1,193	0	0	54	1,248	62	0	0	3	0	4	4	0	1	1	0	1,157	0	0	52	1,211	60	0	0	3	0	4
2-8-e	1	6	6	0	6,981	0	0	336	7,323	367	18	2	17	1	23	25	1	6	6	0	6,758	0	0	325	7,088	355	18	2	16	1	23
5-1-Pave											0.1																0.1				
4-2-Pave											0.2																0.2				
4-3-Pave											0.2																0.2				
4-4-Pave											0.1																0.1				
3-5-Pave											0.3																0.3				
1-6-Pave											0.4																0.4				
2-7-Pave											0.2																0.2				
2-8-Pave											0.2																0.2				

Construction - Mitigated Tier 3 and 4.

Daily Construction

	Pounds per day										Gal/Day
	2030										
Sched Code	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel
5-1-a	1	0	0	0	0	554	0	0	9	567	26
5-1-c	4	0	1	1	0	1,451	0	0	50	1,506	73
5-1-d	5	0	1	1	0	1,364	0	0	63	1,429	71
5-1-e	25	1	6	6	0	6,598	0	0	315	6,918	347
4-2-a	2	0	0	0	0	481	0	0	19	501	25
4-2-b	2	0	1	1	0	1,198	0	0	19	1,224	56
4-2-c	8	0	2	2	0	3,278	0	0	94	3,385	162
4-2-d	10	0	2	3	0	3,066	0	0	126	3,198	158
4-2-e	58	1	14	15	0	15,087	0	0	755	15,849	799
4-3-c	8	0	2	2	0	2,783	0	0	94	2,886	140
4-3-d	10	0	2	3	0	2,523	0	0	126	2,650	133
4-3-e	27	1	6	7	0	6,873	0	0	346	7,222	364
4-4-a	2	0	0	0	0	943	0	0	19	966	44
4-4-c	8	0	2	2	0	2,288	0	0	94	2,386	118
4-4-d	10	0	2	3	0	2,560	0	0	126	2,687	135
4-4-e	27	1	6	7	0	7,283	0	0	346	7,635	382
3-2-a	1	0	0	0	0	425	0	0	19	444	22
3-5-c	7	0	2	2	0	2,161	0	0	94	2,259	112
3-5-d	10	0	2	3	0	2,489	0	0	126	2,616	132
3-5-e	27	1	6	7	0	7,034	0	0	346	7,384	371
1-6-a	2	0	0	0	0	432	0	0	19	451	20
1-6-c	8	0	2	2	0	2,288	0	0	94	2,386	118
1-6-d	10	0	2	3	0	2,560	0	0	126	2,687	135
1-6-e	34	1	8	9	0	9,025	0	0	440	9,471	476
2-7-a	2	0	0	0	0	441	0	0	19	461	20
2-7-c	3	0	1	1	0	1,212	0	0	38	1,254	60
2-7-d	4	0	1	1	0	1,125	0	0	50	1,177	59
2-7-e	25	1	6	6	0	6,561	0	0	315	6,881	345
2-8-a	2	0	0	0	0	414	0	0	19	433	20
2-8-c	3	0	1	1	0	1,212	0	0	38	1,254	60
2-8-d	4	0	1	1	0	1,125	0	0	50	1,177	59
2-8-e	25	1	6	6	0	6,561	0	0	315	6,881	345

5-1-Pave
4-2-Pave
4-3-Pave
4-4-Pave
3-5-Pave
1-6-Pave
2-7-Pave
2-8-Pave

Construction - Mitigated Tier 3 and 4.

Daily Construction- Equipment

Equipment	start	end	days	Pounds per day 2016 ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Pounds per day 2017 ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO
5-1-aScrapers Cat 657G	6/17/2017	7/20/2017	56	5	69	49	3	0	3	2	0	2	0	7759	2	0	0	7877	5	40	35	2	0	2	2	0	2	0	7637	2	0	0	7755	4	35	30
5-1-aDozer D9T	6/17/2017	11/21/2017	62	2	28	17	1	0	1	1	0	1	0	2733	1	0	0	2774	2	16	14	1	0	1	1	0	1	0	2690	1	0	0	2732	2	14	13
5-1-aExcavator 374 FL	6/17/2017	11/21/2017	20	0	4	5	0	0	0	0	0	0	0	802	0	0	0	814	0	2	2	0	0	0	0	0	0	0	790	0	0	0	802	0	2	2
5-1-a825 Compactors	6/17/2017	11/21/2017	25	2	28	17	1	0	1	1	0	1	0	2733	1	0	0	2774	2	16	14	1	0	1	1	0	1	0	2690	1	0	0	2732	2	14	13
5-1-cJohn Deere 410K TC Backhoe Loader	11/22/2017	1/2/2018	26	1	11	7	1	0	1	1	0	1	0	1057	0	0	0	1073	1	6	8	1	0	1	1	0	1	0	1039	0	0	0	1055	0	5	8
5-1-cAuger Cast Caissons Drill Rig	11/22/2017	1/2/2018	26	1	13	16	0	0	0	0	0	0	0	2473	1	0	0	2511	1	7	6	0	0	0	0	0	0	0	2447	1	0	0	2484	1	5	5
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6/13/2018	9/18/2018	20	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5
5-1-dAP 600 D Cat Asphalt Paver	6/13/2018	9/18/2018	49	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	6	8	0	0	0	0	0	0	0	1272	0	0	0	1292	1	5	8
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	6/13/2018	9/18/2018	10	2	6	4	1	0	1	1	0	1	0	707	0	0	0	717	2	6	7	0	0	0	0	0	0	0	707	0	0	0	717	2	6	7
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/21/2017	12/3/2018	30	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	10	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6
5-1-eLink Belt Conventional Lattice Crawler Crane	5/6/2018	12/3/2018	159	1	8	5	0	0	0	0	0	0	0	725	0	0	0	736	1	5	5	0	0	0	0	0	0	0	714	0	0	0	725	1	4	5
4-2-aScrapers Cat 657G	1/2/2017	8/11/2017	74	7	92	65	3	0	3	3	0	3	0	10345	3	0	0	10503	7	53	47	3	0	3	3	0	3	0	10183	3	0	0	10339	6	47	40
4-2-aDozer D9T	1/2/2017	8/11/2017	80	4	57	34	2	0	2	2	0	2	0	5465	2	0	0	5548	4	33	28	2	0	2	2	0	2	0	5380	2	0	0	5463	4	29	26
4-2-aCat 140M3 Grader	1/2/2017	8/11/2017	30	1	8	5	0	0	0	0	0	0	0	738	0	0	0	749	1	4	2	0	0	0	0	0	0	0	726	0	0	0	737	1	4	2
4-2-aCat 374 F L	1/2/2017	8/11/2017	74	0	4	5	0	0	0	0	0	0	0	802	0	0	0	814	0	2	2	0	0	0	0	0	0	0	790	0	0	0	802	0	2	2
4-2-a825 Compactors	1/2/2017	8/11/2017	74	4	57	34	2	0	2	2	0	2	0	5465	2	0	0	5548	4	33	28	2	0	2	2	0	2	0	5380	2	0	0	5463	4	29	26
4-2-aOff Highway Dump Truck Cat 770	1/2/2017	8/11/2017	30	2	26	21	1	0	1	1	0	1	0	3269	1	0	0	3319	2	14	11	1	0	1	1	0	1	0	3215	1	0	0	3265	2	12	10
4-2-aWheel Loader 986 H	1/2/2017	8/11/2017	30	2	24	17	1	0	1	1	0	1	0	2612	1	0	0	2652	2	14	11	1	0	1	1	0	1	0	2570	1	0	0	2609	2	12	10
4-2-bKomatsu PC360LC	1/2/2017	2/24/2017	37	1	18	20	1	0	1	1	0	1	0	3206	1	0	0	3255	1	10	8	1	0	1	0	0	0	0	3159	1	0	0	3207	1	8	7
4-2-cAuger Cast Caissons Drill Rig	7/26/2017	3/6/2018	101	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	11	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	8	8
4-2-cJohn Deere 410K TC Backhoe Loader	7/26/2017	3/6/2018	101	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	10	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	8	13
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12/13/2018	7/24/2019	98	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5
4-2-dAP 600 D Cat Asphalt Paver	12/13/2018	7/24/2019	60	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	6	8	0	0	0	0	0	0	0	1272	0	0	0	1292	1	5	8
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	12/13/2018	7/24/2019	10	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3/7/2018	6/1/2020	20	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	10	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6
4-2-eLink Belt Conventional Lattice Crawler Crane	7/25/2018	6/1/2020	190	3	32	18	1	0	1	1	0	1	0	2901	1	0	0	2945	2	18	20	1	0	1	1	0	1	0	2857	1	0	0	2901	2	16	18
4-2-eLink Belt Conventional Lattice Crawler Crane	7/25/2018	6/1/2020	190	3	32	18	1	0	1	1	0	1	0	2901	1	0	0	2945	2	18	20	1	0	1	1	0	1	0	2857	1	0	0	2901	2	16	18
4-3-cJohn Deere 410K TC Backhoe Loader	7/15/2019	10/4/2019	59	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	10	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	8	13
4-3-cAuger Cast Caissons Drill Rig	7/15/2019	10/4/2019	59	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	11	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	8	8
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	7/15/2019	10/4/2019	59	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	10	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12/3/2018	4/19/2019	51	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5
4-3-dAP 600 D Cat Asphalt Paver	2/16/2019	4/19/2019	44	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	6	8	0	0	0	0	0	0	0	1272	0	0	0	1292	1	5	8
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	2/16/2019	4/19/2019	11	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1/27/2020	12/31/2020	25	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	10	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6
4-3-eLink Belt Conventional Lattice Crawler Crane	1/27/2020	12/31/2020	200	1	16	9	1	0	1	1	0	1	0	1450	0	0	0	1472	1	9	10	1	0	1	1	0	1	0	1428	0	0	0	1450	1	8	9
4-4-aScrapers Cat 657G	10/5/2020	3/12/2021	25	5	69	49	3	0	3	2	0	2	0	7759	2	0	0	7877	5	40	35	2	0	2	2	0	2	0	7637	2	0	0	7755	4	35	30
4-4-aDozer D9T	10/5/2020	3/12/2021	30	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	3	25	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	22	19
4-4-aCat 140M3 Grader	10/5/2020	3/12/2021	10	0	4	2	0	0	0	0	0	0	0	369	0	0	0	374	0	2	1	0	0	0	0	0	0	0	363	0	0	0	369	0	2	1
4-4-aCat 374 F L	10/5/2020	3/12/2021	25	0	2	3	0	0	0	0	0	0	0	401	0	0	0	407	0	1	1	0	0	0	0	0	0	0	395	0	0	0	401	0	1	1
4-4-a825 Compactors	10/5/2020	3/12/2021	25	2	28	17	1	0	1	1	0	1	0	2733	1	0	0	2774	2	16	14	1	0	1	1	0	1	0	2690	1	0	0	2732	2	14	13
4-4-aOff Highway Dump Truck Cat 770	10/5/2020	3/12/2021	10	1	13	10	0	0	0	0	0	0	0	1635	0	0	0	1660	1	7	6	0	0	0	0	0	0	0	1608	0	0	0	1632	1	6	5
4-4-aWheel Loader 986 H	10/5/2020	3/12/2021	10	1	12	8	0	0	0	0	0	0	0	1306	0	0	0	1326	1	7	5	0	0	0	0	0	0	0	1285	0	0	0	1305	1	6	5
4-4-cJohn Deere 410K TC Backhoe Loader	3/15/2021	6/4/2021	58	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	10	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	8	13
4-4-cAuger Cast Caissons Drill Rig	3/15/2021	6/4/2021	58	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	11	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	8	8
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3/15/2021	6/4/2021	58	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	10	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/15/2021	4/1/2022	65	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5
4-4-dAP 600 D Cat Asphalt Paver	2/16/2022	4/1/2022	33	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	6	8	0	0	0	0	0	0	0	1272	0	0	0	1292	1	5	8
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	2/16/2022	4/1/2022	33	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	7/12/2021	9/15/2022	20	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	10	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6
4-4-eLink Belt Conventional Lattice Crawler Crane	7/12/2021	9/1/2022	208	2	24	14	1	0	1	1	0	1	0	2176	1	0	0	2209	2	14	15	1	0	1	1	0	1	0	2143	1	0	0	2176	2	12	14
3-2-dirtScrapers Cat 657	5/1/2017	7/5/2017	50	7	92	65	3	0	3	3	0	3	0	10345	3	0	0	10503	7	53	47	3	0	3	3	0	3	0	10183	3	0	0	10339	6	47	40
3-2-dirtDozer D9T	5/1/2017	7/5/2017	55	4	57	34	2	0	2	2	0	2	0	5465	2	0	0	5548	4	33	28	2	0	2	2	0	2	0	5380	2	0	0	5463	4	29	26
3-2-aScrapers Cat 657	10/3/2022	3/10/2023	10	3	46	33	2	0	2	2	0	2	0	5173	2	0	0	5251	3	26	23	2	0	2	1	0	1	0	5092	2	0	0	5170	3	23	20
3-2-aDozer D9T	10/3/2022	3/10/2023	15	2	28	17	1	0	1	1	0	1	0	2733	1	0	0	2774	2	16	14	1	0	1	1	0	1	0	2690	1	0	0	2732	2	14	13
3-2-aCat 140M3 Grader	10/3/2022	3/10/2023	10	1	8	5	0	0	0	0	0	0	0	738	0	0	0	749	1	4	2	0	0	0	0	0	0	0	726	0	0	0	737	1	4	2
3-2-aCat 374 F L	10/3/2022	3/10/2023	10	0	4	5	0	0	0	0	0	0	0	802	0	0	0	814	0	2	2	0	0	0	0	0	0	0	790	0	0	0	802	0	2	2
3-2-a825 Compactors	10/3/2022	3/10/2023	10	2	28	17	1	0	1	1	0	1	0	2733	1	0	0	2774	2	16	14	1	0	1	1	0	1	0	2690	1	0	0	2732	2	14	13
3-2-aOff Highway Dump Truck Cat 770	10/3/2022	3/10/2023	5	2	26	21	1	0	1	1	0	1	0	3269	1	0	0	3319	2	14	11	1	0	1	1	0	1	0	3215	1	0	0	3265	2	12	10
3-2-aWheel Loader 986 H	10/3/2022	3/10/2023	5	2	24	17	1	0	1	1	0	1	0	2612	1	0	0	2652	2	14	11	1	0	1	1	0	1	0	2570	1	0	0	2609	2	12	10
3-5-cJohn Deere 410K TC Backhoe Loader	1/23/2023	4/14/2023	58	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	10	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	8	13
3-5-cAuger Cast Caissons Drill Rig	1/23/2023	4/14/2023	58	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	11	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	8	8
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1/23/2023	4/14/2023	58	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	10	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	7/17/2023	12/1/2023	64	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5
3-5-dAP 600 D Cat Asphalt Paver	7/17/2023	12/1/2023	34	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	6	8	0	0	0	0	0	0	0	1272	0	0	0	1292	1	5	8
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	7/17/2023	12/1/2023	34	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	4/24/2023	1/15/2024	45	3	36	39	1	0	1	1	0	1	0	6972	0	0	0	7027	3	20	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	18	13
3-5-eLink Belt Conventional Lattice Crawler Crane	4/24/2023	6/1/2024	208	1	16	9	1	0	1	1	0	1	0	1450	0	0	0	1472	1	9	10	1	0	1	1	0	1	0	1428	0	0	0	1450	1	8	9
1-6-aScrapers Cat 657	10/7/2024	12/10/2024	20	5	69	49	3	0	3	2	0	2	0	7759	2	0	0	7877	5	40	35	2	0	2	2	0	2	0	7637	2	0	0	7755	4	35	30
1-6-aDozer D9T	10/7/2024	12/10/2024	25	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	3	25	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	22	19
1-6-aCat 140M3 Grader	10/7/2024	12/10/2024	10	1	8	5	0	0	0	0	0	0	0	738	0	0	0	749	1	4	2	0	0	0	0	0	0	0	726	0	0	0	737	1	4	2
1-6-aCat 374 F L	10/7/2024	12/10/2024	10	0	2	3	0	0	0	0	0	0	0	401	0	0	0	407	0	1	1	0	0	0	0	0	0	0	395	0	0	0	401	0	1	1
1-6-a825 Compactors	10/7/2024	12/10/2024	20	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	3	25	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	22	19
1-6-aOff Highway Dump Truck Cat 770	10/7/2024	12/10/2024	10	2	26	21	1	0	1	1	0	1	0	3269	1	0	0	3319	2	14	11	1	0	1	1	0	1	0	3215	1	0	0	3265	2	12	10
1-6-aWheel Loader 986 H	10/7/2024	12/10/2024	10	2	24	17	1	0	1	1	0	1	0	2612	1	0	0	2652	2	14	11	1	0	1	1	0	1	0	2570	1	0	0	2609	2	12	10
1-6-cJohn Deere 410K TC Backhoe Loader	11/27/2024	2/18/2025	55	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	10	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	8	13
1-6-cAuger Cast Caissons Drill Rig	11/27/2024	2/18/2025	55	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	11	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	8	8
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/27/2024	2/18/2025	55	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	10	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/4/2024	3/21/2025	70	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5
1-6-dAP 600 D Cat Asphalt Paver	11/4/2024	3/21/2025	23	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	6	8	0	0	0	0	0	0	0	1272	0	0	0	1292	1	5	8
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	11/4/2024	3/21/2025	23	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/26/2025	5/15/2026	45	3	36	39	1	0	1	1	0	1	0	6972	0	0	0	7027	3	20	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	18	13
1-6-eLink Belt Conventional Lattice Crawler Crane	5/20/2025	5/20/2026	198	2	24	14	1	0	1	1	0	1	0	2176	1	0	0	2209	2	14	15	1	0	1	1	0	1	0	2143	1	0	0	2176	2	12	14
1-6-eLink Belt Conventional Lattice Crawler Crane	5/20/2025	5/20/2026	198	2	24	14	1	0	1	1	0	1	0	2176	1	0	0	2209	2	14	15	1	0	1	1	0	1	0	2143	1	0	0	2176	2	12	14
2-7-aScrapers Cat 657	10/15/2026	11/13/2026	10	5	69	49	3	0	3	2	0	2	0	7759	2	0	0	7877	5	40	35	2	0	2	2	0	2	0	7637	2	0	0	7755	4	35	30
2-7-aDozer D9T	10/15/2026	11/13/2026	15	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	3	25	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	22	19
2-7-aCat 140M3 Grader	10/15/2026	11/13/2026	7	1	8	5	0	0	0	0	0	0	0	738	0	0	0	749	1	4	2	0	0	0	0	0	0	0	726	0	0	0	737	1	4	2
2-7-aCat 374 F L	10/15/2026	11/13/2026	5	0	2	3	0	0	0	0	0	0	0	401	0	0	0	407	0	1	1	0	0	0	0	0	0	0	395	0	0	0	401	0	1	1
2-7-a825 Compactors	10/15/2026	11/13/2026	10	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	3	25	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	22	19
2-7-aOff Highway Dump Truck Cat 770	10/15/2026	11/13/2026	5	2	26	21	1	0	1	1	0	1	0	3269	1	0	0	3319	2	14	11	1	0	1	1	0	1	0	3215	1	0	0	3265	2	12	10
2-7-aWheel Loader 986 H	10/15/2026	11/13/2026	5	2	24	17	1	0	1	1	0	1	0	2612	1	0	0	2652	2	14	11	1	0	1	1	0	1	0	2570	1	0	0	2609	2	12	10
2-7-cJohn Deere 410K TC Backhoe Loader	11/16/2026	2/5/2027	55	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	10	13	1	0	1	1	0	1	0	1732	1	0	0	1759	1	8	13
2-7-cAuger Cast Caissons Drill Rig	11/16/2026	2/5/2027	55	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	11	8	1	0	1	0	0	0	0	3670	1	0	0	3726	1	8	8
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/16/2026	2/5/2027	55	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	10	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5/3/2027	9/17/2027	55	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	7	5
2-7-dAP 600 D Cat Asphalt Paver	5/3/2027	9/17/2027	42	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	1	6	8	0	0	0	0	0	0	0	1272	0	0	0	1292	1	5	8
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5/3/2027	9/17/2027	42	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/8/2027	9/1/2028	35	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	10	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6
2-7-eLink Belt Conventional Lattice Crawler Crane	4/30/2027	9/1/2028	198	1	16	9	1	0	1	1	0	1	0	1450	0	0	0	1472	1	9	10	1	0	1	1	0	1	0	1428	0	0	0	1450	1	8	9
2-7-eLink Belt Conventional Lattice Crawler Crane	4/30/2027	9/1/2028	198	1	16	9	1	0	1	1	0	1	0	1450	0	0	0	1472	1	9	10	1	0	1	1	0	1	0	1428	0	0	0	1450	1	8	9
2-8-aScrapers Cat 657	10/2/2028	1/5/2029	10	5	69	49	3	0	3	2	0	2	0	7759	2	0	0	7877	5	40	35	2	0	2	2	0	2	0	7637	2	0	0	7755	4	35	30
2-8-aDozer D9T	10/2/2028	1/5/2029	15	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	3	25	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	22	19
2-8-aCat 140M3 Grader	10/2/2028	1/5/2029	7	1	8	5	0	0	0	0	0	0	0	738	0	0	0	749	1	4	2	0	0	0	0	0	0	0	726	0	0	0	737	1	4	2
2-8-aCat 374 F L	10/2/2028	1/5/2029	5	0	2	3	0	0	0	0	0	0	0	401	0	0	0	407	0	1	1	0	0	0	0	0	0	0	395	0	0	0	401	0	1	1
2-8-a825 Compactors	10/2/2028	1/5/2029	10	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	3	25	21	2	0	2	1	0	1	0	4035	1	0	0	4097	3	22	19
2-8-aOff Highway Dump Truck Cat 770	10/2/2028	1/5/2029	5	2	26	21	1	0	1	1	0	1	0	3269	1	0	0	3319	2	14	11	1	0	1	1	0	1	0	3215	1	0	0	3265	2	12	10
2-8-aWheel Loader 986 H	10/2/2028	1/5/2029	5	2	24	17	1	0	1	1	0	1	0	2612	1	0	0	2652	2	14	11	1	0	1	1	0	1	0	2570	1	0	0	2609	2	12	10
2-8-cJohn Deere 410K TC Backhoe Loader	11/27/2028	2/16/2029	57	1	11	7	1	0	1	1	0	1	0	1057	0	0	0	1073	1	6	8	1	0	1	1	0	1	0	1039	0	0	0	1055	0	5	8
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/27/2028	2/16/2029	57	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	10	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	9	6
2-8-cAuger Cast Caissons Drill Rig	11/27/2028	2/16/2029	57	0	6	8	0	0	0	0	0	0	0	1237	0	0	0	1255	0	4	3	0	0	0	0	0	0	0	1223	0	0	0	1242	0	3	3
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/27/2028	2/16/2029	55	3	36	39	1	0	1	1	0	1	0	6972	0	0	0	7027	3	20	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	18	13
2-8-dAP 600 D Cat Asphalt Paver	10/30/2028	3/16/2029	38	1	16	10	1	0	1	1	0	1	0	1614	0	0	0	1639	1	8	10	1	0	1	1	0	1	0	1590	0	0	0	1615	1	7	10
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	10/30/2028	3/16/2029 *	38	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/19/2029	8/1/2030 *	40	3	36	39	1	0	1	1	0	1	0	6972	0	0	0	7027	3	20	13	1	0	1	1	0	1	0	6972	0	0	0	7027	3	18	13
2-8-eLink Belt Conventional Lattice Crawler Crane	5/11/2029	8/1/2030 *	170	1	8	5	0	0	0	0	0	0	0	725	0	0	0	736	1	5	5	0	0	0	0	0	0	0	714	0	0	0	725	1	4	5

Construction - Mitigated Tier 3 and 4.

Daily Construction- Equipment

	Pounds per day												Pounds per day															Pounds per day									
	2018												2019															2020									
	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
5-1-aScrapers Cat 657G	2	0	2	2	0	2	0	7513	2	0	0	7629	4	32	28	2	0	2	2	0	2	0	7391	2	0	0	7506	4	29	26	2	0	2	2	0	2	0
5-1-aDozer D9T	1	0	1	1	0	1	0	2642	1	0	0	2683	2	13	12	1	0	1	1	0	1	0	2602	1	0	0	2642	2	12	11	1	0	1	1	0	1	0
5-1-aExcavator 374 FL	0	0	0	0	0	0	0	777	0	0	0	790	0	2	2	0	0	0	0	0	0	0	765	0	0	0	777	0	2	2	0	0	0	0	0	0	0
5-1-a825 Compactors	1	0	1	1	0	1	0	2642	1	0	0	2683	2	13	12	1	0	1	1	0	1	0	2602	1	0	0	2642	2	12	11	1	0	1	1	0	1	0
5-1-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1021	0	0	0	1037	0	4	8	1	0	1	0	0	0	0	1004	0	0	0	1020	0	4	7	0	0	0	0	0	0	0
5-1-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	2428	1	0	0	2465	1	5	5	0	0	0	0	0	0	0	2385	1	0	0	2422	1	4	5	0	0	0	0	0	0	0
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	5	5	0	0	0	0	0	0	0
5-1-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	5	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	4	8	0	0	0	0	0	0	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	707	0	0	0	716	1	6	7	0	0	0	0	0	0	0	707	0	0	0	716	1	5	6	0	0	0	0	0	0	0
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	8	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	7	6	0	0	0	0	0	0	0
5-1-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	703	0	0	0	714	1	4	4	0	0	0	0	0	0	0	692	0	0	0	703	0	3	4	0	0	0	0	0	0	0
4-2-aScrapers Cat 657G	3	0	3	3	0	3	0	10017	3	0	0	10173	6	43	37	3	0	3	2	0	2	0	9854	3	0	0	10009	5	39	35	2	0	2	2	0	2	0
4-2-aDozer D9T	2	0	2	2	0	2	0	5285	2	0	0	5367	3	26	24	2	0	2	2	0	2	0	5203	2	0	0	5284	3	24	22	2	0	2	1	0	1	0
4-2-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	1	4	2	0	0	0	0	0	0	0	701	0	0	0	712	1	4	2	0	0	0	0	0	0	0
4-2-aCat 374 F L	0	0	0	0	0	0	0	777	0	0	0	790	0	2	2	0	0	0	0	0	0	0	765	0	0	0	777	0	2	2	0	0	0	0	0	0	0
4-2-a825 Compactors	2	0	2	2	0	2	0	5285	2	0	0	5367	3	26	24	2	0	2	2	0	2	0	5203	2	0	0	5284	3	24	22	2	0	2	1	0	1	0
4-2-aOff Highway Dump Truck Cat 770	1	0	1	1	0	1	0	3164	1	0	0	3214	2	10	10	1	0	1	1	0	1	0	3112	1	0	0	3161	2	9	9	1	0	1	1	0	1	0
4-2-aWheel Loader 986 H	1	0	1	1	0	1	0	2529	1	0	0	2569	2	11	9	1	0	1	1	0	1	0	2490	1	0	0	2529	2	10	9	1	0	1	1	0	1	0
4-2-bKomatsu PC360LC	0	0	0	0	0	0	0	3110	1	0	0	3158	1	7	7	0	0	0	0	0	0	0	3060	1	0	0	3108	1	6	7	0	0	0	0	0	0	0
4-2-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	7	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	6	8	0	0	0	0	0	0	0
4-2-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	7	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	7	12	1	0	1	1	0	1	0
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	5	5	0	0	0	0	0	0	0
4-2-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	5	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	4	8	0	0	0	0	0	0	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	8	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	7	6	0	0	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	1	0	1	1	0	1	0	2814	1	0	0	2857	2	15	17	1	0	1	1	0	1	0	2769	1	0	0	2813	2	14	15	1	0	1	1	0	1	0
4-2-eLink Belt Conventional Lattice Crawler Crane	1	0	1	1	0	1	0	2814	1	0	0	2857	2	15	17	1	0	1	1	0	1	0	2769	1	0	0	2813	2	14	15	1	0	1	1	0	1	0
4-3-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	7	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	7	12	1	0	1	1	0	1	0
4-3-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	7	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	6	8	0	0	0	0	0	0	0
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	8	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	7	6	0	0	0	0	0	0	0
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	5	5	0	0	0	0	0	0	0
4-3-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	5	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	4	8	0	0	0	0	0	0	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	8	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	7	6	0	0	0	0	0	0	0
4-3-eLink Belt Conventional Lattice Crawler Crane	1	0	1	0	0	0	0	1407	0	0	0	1429	1	8	9	0	0	0	0	0	0	0	1385	0	0	0	1406	1	7	8	0	0	0	0	0	0	0
4-4-aScrapers Cat 657G	2	0	2	2	0	2	0	7513	2	0	0	7629	4	32	28	2	0	2	2	0	2	0	7391	2	0	0	7506	4	29	26	2	0	2	2	0	2	0
4-4-aDozer D9T	1	0	1	1	0	1	0	3964	1	0	0	4025	3	19	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	18	17	1	0	1	1	0	1	0
4-4-aCat 140M3 Grader	0	0	0	0	0	0	0	357	0	0	0	363	0	2	1	0	0	0	0	0	0	0	351	0	0	0	356	0	2	1	0	0	0	0	0	0	0
4-4-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	1	1	0	0	0	0	0	0	0	382	0	0	0	388	0	1	1	0	0	0	0	0	0	0
4-4-a825 Compactors	1	0	1	1	0	1	0	2642	1	0	0	2683	2	13	12	1	0	1	1	0	1	0	2602	1	0	0	2642	2	12	11	1	0	1	1	0	1	0
4-4-aOff Highway Dump Truck Cat 770	0	0	0	0	0	0	0	1582	0	0	0	1607	1	5	5	0	0	0	0	0	0	0	1556	0	0	0	1581	1	5	5	0	0	0	0	0	0	0
4-4-aWheel Loader 986 H	0	0	0	0	0	0	0	1265	0	0	0	1284	1	5	5	0	0	0	0	0	0	0	1245	0	0	0	1264	1	5	4	0	0	0	0	0	0	0
4-4-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	7	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	7	12	1	0	1	1	0	1	0
4-4-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	7	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	6	8	0	0	0	0	0	0	0
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	8	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	7	6	0	0	0	0	0	0	0
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	5	5	0	0	0	0	0	0	0
4-4-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	5	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	4	8	0	0	0	0	0	0	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	8	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	7	6	0	0	0	0	0	0	0
4-4-eLink Belt Conventional Lattice Crawler Crane	1	0	1	1	0	1	0	2110	1	0	0	2143	2	11	13	1	0	1	1	0	1	0	2077	1	0	0	2109	1	10	11	1	0	1	1	0	1	0
3-2-dirtScrapers Cat 657	3	0	3	3	0	3	0	10017	3	0	0	10173	6	43	37	3	0	3	2	0	2	0	9854	3	0	0	10009	5	39	35	2	0	2	2	0	2	0
3-2-dirtDozer D9T	2	0	2	2	0	2	0	5285	2	0	0	5367	3	26	24	2	0	2	2	0	2	0	5203	2	0	0	5284	3	24	22	2	0	2	1	0	1	0
3-2-aScrapers Cat 657	1	0	1	1	0	1	0	5009	2	0	0	5086	3	21	19	1	0	1	1	0	1	0	4927	2	0	0	5004	3	20	18	1	0	1	1	0	1	0
3-2-aDozer D9T	1	0	1	1	0	1	0	2642	1	0	0	2683	2	13	12	1	0	1	1	0	1	0	2602	1	0	0	2642	2	12	11	1	0	1	1	0	1	0
3-2-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	1	4	2	0	0	0	0	0	0	0	701	0	0	0	712	1	4	2	0	0	0	0	0	0	0
3-2-aCat 374 F L	0	0	0	0	0	0	0	777	0	0	0	790	0	2	2	0	0	0	0	0	0	0	765	0	0	0	777	0	2	2	0	0	0	0	0	0	0
3-2-a825 Compactors	1	0	1	1	0	1	0	2642	1	0	0	2683	2	13	12	1	0	1	1	0	1	0	2602	1	0	0	2642	2	12	11	1	0	1	1	0	1	0
3-2-aOff Highway Dump Truck Cat 770	1	0	1	1	0	1	0	3164	1	0	0	3214	2	10	10	1	0	1	1	0	1	0	3112	1	0	0	3161	2	9	9	1	0	1	1	0	1	0
3-2-aWheel Loader 986 H	1	0	1	1	0	1	0	2529	1	0	0	2569	2	11	9	1	0	1	1	0	1	0	2490	1	0	0	2529	2	10	9	1	0	1	1	0	1	0
3-5-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	7	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	7	12	1	0	1	1	0	1	0
3-5-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	7	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	6	8	0	0	0	0	0	0	0
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	8	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	7	6	0	0	0	0	0	0	0
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	5	5	0	0	0	0	0	0	0
3-5-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	5	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	4	8	0	0	0	0	0	0	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	0	1	1	0	1	0	6972	0	0	0	7026	3	16	13	1	0	1	1	0	1	0	6972	0	0	0	7026	2	14	12	1	0	1	1	0	1	0
3-5-eLink Belt Conventional Lattice Crawler Crane	1	0	1	0	0	0	0	1407	0	0	0	1429	1	8	9	0	0	0	0	0	0	0	1385	0	0	0	1406	1	7	8	0	0	0	0	0	0	0
1-6-aScrapers Cat 657	2	0	2	2	0	2	0	7513	2	0	0	7629	4	32	28	2	0	2	2	0	2	0	7391	2	0	0	7506	4	29	26	2	0	2	2	0	2	0
1-6-aDozer D9T	1	0	1	1	0	1	0	3964	1	0	0	4025	3	19	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	18	17	1	0	1	1	0	1	0
1-6-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	1	4	2	0	0	0	0	0	0	0	701	0	0	0	712	1	4	2	0	0	0	0	0	0	0
1-6-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	1	1	0	0	0	0	0	0	0	382	0	0	0	388	0	1	1	0	0	0	0	0	0	0
1-6-a825 Compactors	1	0	1	1	0	1	0	3964	1	0	0	4025	3	19	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	18	17	1	0	1	1	0	1	0
1-6-aOff Highway Dump Truck Cat 770	1	0	1	1	0	1	0	3164	1	0	0	3214	2	10	10	1	0	1	1	0	1	0	3112	1	0	0	3161	2	9	9	1	0	1	1	0	1	0
1-6-aWheel Loader 986 H	1	0	1	1	0	1	0	2529	1	0	0	2569	2	11	9	1	0	1	1	0	1	0	2490	1	0	0	2529	2	10	9	1	0	1	1	0	1	0
1-6-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	7	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	7	12	1	0	1	1	0	1	0
1-6-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	7	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	6	8	0	0	0	0	0	0	0
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	8	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	7	6	0	0	0	0	0	0	0
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	5	5	0	0	0	0	0	0	0
1-6-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	5	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	4	8	0	0	0	0	0	0	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	0	1	1	0	1	0	6972	0	0	0	7026	3	16	13	1	0	1	1	0	1	0	6972	0	0	0	7026	2	14	12	1	0	1	1	0	1	0
1-6-eLink Belt Conventional Lattice Crawler Crane	1	0	1	1	0	1	0	2110	1	0	0	2143	2	11	13	1	0	1	1	0	1	0	2077	1	0	0	2109	1	10	11	1	0	1	1	0	1	0
1-6-eLink Belt Conventional Lattice Crawler Crane	1	0	1	1	0	1	0	2110	1	0	0	2143	2	11	13	1	0	1	1	0	1	0	2077	1	0	0	2109	1	10	11	1	0	1	1	0	1	0
2-7-aScrapers Cat 657	2	0	2	2	0	2	0	7513	2	0	0	7629	4	32	28	2	0	2	2	0	2	0	7391	2	0	0	7506	4	29	26	2	0	2	2	0	2	0
2-7-aDozer D9T	1	0	1	1	0	1	0	3964	1	0	0	4025	3	19	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	18	17	1	0	1	1	0	1	0
2-7-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	1	4	2	0	0	0	0	0	0	0	701	0	0	0	712	1	4	2	0	0	0	0	0	0	0
2-7-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	1	1	0	0	0	0	0	0	0	382	0	0	0	388	0	1	1	0	0	0	0	0	0	0
2-7-a825 Compactors	1	0	1	1	0	1	0	3964	1	0	0	4025	3	19	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	18	17	1	0	1	1	0	1	0
2-7-aOff Highway Dump Truck Cat 770	1	0	1	1	0	1	0	3164	1	0	0	3214	2	10	10	1	0	1	1	0	1	0	3112	1	0	0	3161	2	9	9	1	0	1	1	0	1	0
2-7-aWheel Loader 986 H	1	0	1	1	0	1	0	2529	1	0	0	2569	2	11	9	1	0	1	1	0	1	0	2490	1	0	0	2529	2	10	9	1	0	1	1	0	1	0
2-7-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1702	1	0	0	1728	1	7	13	1	0	1	1	0	1	0	1674	1	0	0	1700	1	7	12	1	0	1	1	0	1	0
2-7-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	1	7	8	0	0	0	0	0	0	0	3577	1	0	0	3633	1	6	8	0	0	0	0	0	0	0
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	8	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	7	6	0	0	0	0	0	0	0
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	1	6	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	5	5	0	0	0	0	0	0	0
2-7-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	5	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	4	8	0	0	0	0	0	0	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	8	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	7	6	0	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	1	0	1	0	0	0	0	1407	0	0	0	1429	1	8	9	0	0	0	0	0	0	0	1385	0	0	0	1406	1	7	8	0	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	1	0	1	0	0	0	0	1407	0	0	0	1429	1	8	9	0	0	0	0	0	0	0	1385	0	0	0	1406	1	7	8	0	0	0	0	0	0	0
2-8-aScrapers Cat 657	2	0	2	2	0	2	0	7513	2	0	0	7629	4	32	28	2	0	2	2	0	2	0	7391	2	0	0	7506	4	29	26	2	0	2	2	0	2	0
2-8-aDozer D9T	1	0	1	1	0	1	0	3964	1	0	0	4025	3	19	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	18	17	1	0	1	1	0	1	0
2-8-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	1	4	2	0	0	0	0	0	0	0	701	0	0	0	712	1	4	2	0	0	0	0	0	0	0
2-8-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	1	1	0	0	0	0	0	0	0	382	0	0	0	388	0	1	1	0	0	0	0	0	0	0
2-8-a825 Compactors	1	0	1	1	0	1	0	3964	1	0	0	4025	3	19	18	1	0	1	1	0	1	0	3902	1	0	0	3963	2	18	17	1	0	1	1	0	1	0
2-8-aOff Highway Dump Truck Cat 770	1	0	1	1	0	1	0	3164	1	0	0	3214	2	10	10	1	0	1	1	0	1	0	3112	1	0	0	3161	2	9	9	1	0	1	1	0	1	0
2-8-aWheel Loader 986 H	1	0	1	1	0	1	0	2529	1	0	0	2569	2	11	9	1	0	1	1	0	1	0	2490	1	0	0	2529	2	10	9	1	0	1	1	0	1	0
2-8-cJohn Deere 410K TC Backhoe Loader	1	0	1	1	0	1	0	1021	0	0	0	1037	0	4	8	1	0	1	0	0	0	0	1004	0	0	0	1020	0	4	7	0	0	0	0	0	0	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	8	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	7	6	0	0	0	0	0	0	0
2-8-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	1214	0	0	0	1233	0	2	3	0	0	0	0	0	0	0	1192	0	0	0	1211	0	2	3	0	0	0	0	0	0	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	0	1	1	0	1	0	6972	0	0	0	7026	3	16	13	1	0	1	1	0	1	0	6972	0	0	0	7026	2	14	12	1	0	1	1	0	1	0
2-8-dAP 600 D Cat Asphalt Paver	1	0	1	0	0	0	0	1566	0	0	0	1590	1	6	10	0	0	0	0	0	0	0	1541	0	0	0	1565	1	5	10	0	0	0	0	0	0	0
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	0	1	1	0	1	0	6972	0	0	0	7026	3	16	13	1	0	1	1	0	1	0	6972	0	0	0	7026	2	14	12	1	0	1	1	0	1	0
2-8-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	703	0	0	0	714	1	4	4	0	0	0	0	0	0	0	692	0	0	0	703	0	3	4	0	0	0	0	0	0	0

Construction - Mitigated Tier 3 and 4.

Daily Construction- Equipment

Equipment	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e
						Pounds per day 2021														
5-1-aScrapers Cat 657G	7225	2	0	0	7340	4	27	25	2	0	2	1	0	1	0	7225	2	0	0	7340
5-1-aDozer D9T	2545	1	0	0	2585	2	11	11	1	0	1	1	0	1	0	2541	1	0	0	2581
5-1-aExcavator 374 FL	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	746	0	0	0	758
5-1-a825 Compactors	2545	1	0	0	2585	2	11	11	1	0	1	1	0	1	0	2541	1	0	0	2581
5-1-cJohn Deere 410K TC Backhoe Loader	982	0	0	0	998	0	4	7	0	0	0	0	0	0	0	982	0	0	0	998
5-1-cAuger Cast Caissons Drill Rig	2333	1	0	0	2370	1	4	5	0	0	0	0	0	0	0	2348	1	0	0	2386
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634
5-1-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	707	0	0	0	715	1	5	6	0	0	0	0	0	0	0	707	0	0	0	715
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3513
5-1-eLink Belt Conventional Lattice Crawler Crane	677	0	0	0	688	0	3	4	0	0	0	0	0	0	0	677	0	0	0	688
4-2-aScrapers Cat 657G	9633	3	0	0	9786	5	36	34	2	0	2	2	0	2	0	9634	3	0	0	9786
4-2-aDozer D9T	5089	2	0	0	5170	3	21	22	1	0	1	1	0	1	0	5081	2	0	0	5162
4-2-aCat 140M3 Grader	685	0	0	0	696	0	4	2	0	0	0	0	0	0	0	684	0	0	0	695
4-2-aCat 374 F L	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	746	0	0	0	758
4-2-a825 Compactors	5089	2	0	0	5170	3	21	22	1	0	1	1	0	1	0	5081	2	0	0	5162
4-2-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	8	9	0	0	0	0	0	0	0	3043	1	0	0	3091
4-2-aWheel Loader 986 H	2436	1	0	0	2475	1	8	8	1	0	1	0	0	0	0	2442	1	0	0	2481
4-2-bKomatsu PC360LC	2990	1	0	0	3038	1	5	7	0	0	0	0	0	0	0	2986	1	0	0	3033
4-2-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	6	8	0	0	0	0	0	0	0	3523	1	0	0	3578
4-2-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	6	12	1	0	1	1	0	1	0	1637	1	0	0	1663
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-2-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3513
4-2-eLink Belt Conventional Lattice Crawler Crane	2709	1	0	0	2751	2	12	14	1	0	1	1	0	1	0	2708	1	0	0	2751
4-2-eLink Belt Conventional Lattice Crawler Crane	2709	1	0	0	2751	2	12	14	1	0	1	1	0	1	0	2708	1	0	0	2751
4-3-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	6	12	1	0	1	1	0	1	0	1637	1	0	0	1663
4-3-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	6	8	0	0	0	0	0	0	0	3523	1	0	0	3578
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3513
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-3-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3513
4-3-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	1	6	7	0	0	0	0	0	0	0	1354	0	0	0	1375
4-4-aScrapers Cat 657G	7225	2	0	0	7340	4	27	25	2	0	2	1	0	1	0	7225	2	0	0	7340
4-4-aDozer D9T	3817	1	0	0	3877	2	16	16	1	0	1	1	0	1	0	3811	1	0	0	3871
4-4-aCat 140M3 Grader	343	0	0	0	348	0	2	1	0	0	0	0	0	0	0	342	0	0	0	347
4-4-aCat 374 F L	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379
4-4-a825 Compactors	2545	1	0	0	2585	2	11	11	1	0	1	1	0	1	0	2541	1	0	0	2581
4-4-aOff Highway Dump Truck Cat 770	1522	0	0	0	1546	1	4	4	0	0	0	0	0	0	0	1521	0	0	0	1546
4-4-aWheel Loader 986 H	1218	0	0	0	1238	1	4	4	0	0	0	0	0	0	0	1221	0	0	0	1241
4-4-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	6	12	1	0	1	1	0	1	0	1637	1	0	0	1663
4-4-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	6	8	0	0	0	0	0	0	0	3523	1	0	0	3578
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3513
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-4-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3513
4-4-eLink Belt Conventional Lattice Crawler Crane	2031	1	0	0	2064	1	9	11	1	0	1	1	0	1	0	2031	1	0	0	2063
3-2-dirtScrapers Cat 657	9633	3	0	0	9786	5	36	34	2	0	2	2	0	2	0	9634	3	0	0	9786
3-2-dirtDozer D9T	5089	2	0	0	5170	3	21	22	1	0	1	1	0	1	0	5081	2	0	0	5162
3-2-aScrapers Cat 657	4817	2	0	0	4893	3	18	17	1	0	1	1	0	1	0	4817	2	0	0	4893
3-2-aDozer D9T	2545	1	0	0	2585	2	11	11	1	0	1	1	0	1	0	2541	1	0	0	2581
3-2-aCat 140M3 Grader	685	0	0	0	696	0	4	2	0	0	0	0	0	0	0	684	0	0	0	695
3-2-aCat 374 F L	748	0	0	0	759	0	1	2	0	0	0	0	0	0	0	746	0	0	0	758
3-2-a825 Compactors	2545	1	0	0	2585	2	11	11	1	0	1	1	0	1	0	2541	1	0	0	2581
3-2-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	8	9	0	0	0	0	0	0	0	3043	1	0	0	3091
3-2-aWheel Loader 986 H	2436	1	0	0	2475	1	8	8	1	0	1	0	0	0	0	2442	1	0	0	2481
3-5-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	6	12	1	0	1	1	0	1	0	1637	1	0	0	1663
3-5-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	6	8	0	0	0	0	0	0	0	3523	1	0	0	3578
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3513
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634
3-5-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	2	12	12	1	0	1	1	0	1	0	6972	0	0	0	7025
3-5-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	1	6	7	0	0	0	0	0	0	0	1354	0	0	0	1375
1-6-aScrapers Cat 657	7225	2	0	0	7340	4	27	25	2	0	2	1	0	1	0	7225	2	0	0	7340
1-6-aDozer D9T	3817	1	0	0	3877	2	16	16	1	0	1	1	0	1	0	3811	1	0	0	3871
1-6-aCat 140M3 Grader	685	0	0	0	696	0	4	2	0	0	0	0	0	0	0	684	0	0	0	695
1-6-aCat 374 F L	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379
1-6-a825 Compactors	3817	1	0	0	3877	2	16	16	1	0	1	1	0	1	0	3811	1	0	0	3871
1-6-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	8	9	0	0	0	0	0	0	0	3043	1	0	0	3091
1-6-aWheel Loader 986 H	2436	1	0	0	2475	1	8	8	1	0	1	0	0	0	0	2442	1	0	0	2481
1-6-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	6	12	1	0	1	1	0	1	0	1637	1	0	0	1663
1-6-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	6	8	0	0	0	0	0	0	0	3523	1	0	0	3578
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3513
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634
1-6-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	2	12	12	1	0	1	1	0	1	0	6972	0	0	0	7025
1-6-eLink Belt Conventional Lattice Crawler Crane	2031	1	0	0	2064	1	9	11	1	0	1	1	0	1	0	2031	1	0	0	2063
1-6-eLink Belt Conventional Lattice Crawler Crane	2031	1	0	0	2064	1	9	11	1	0	1	1	0	1	0	2031	1	0	0	2063
2-7-aScrapers Cat 657	7225	2	0	0	7340	4	27	25	2	0	2	1	0	1	0	7225	2	0	0	7340
2-7-aDozer D9T	3817	1	0	0	3877	2	16	16	1	0	1	1	0	1	0	3811	1	0	0	3871
2-7-aCat 140M3 Grader	685	0	0	0	696	0	4	2	0	0	0	0	0	0	0	684	0	0	0	695
2-7-aCat 374 F L	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379
2-7-a825 Compactors	3817	1	0	0	3877	2	16	16	1	0	1	1	0	1	0	3811	1	0	0	3871
2-7-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	8	9	0	0	0	0	0	0	0	3043	1	0	0	3091
2-7-aWheel Loader 986 H	2436	1	0	0	2475	1	8	8	1	0	1	0	0	0	0	2442	1	0	0	2481
2-7-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	6	12	1	0	1	1	0	1	0	1637	1	0	0	1663
2-7-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	1	6	8	0	0	0	0	0	0	0	3523	1	0	0	3578
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3513
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634
2-7-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	4	8	0	0	0	0	0	0	0	1205	0	0	0	1224
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3513
2-7-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	1	6	7	0	0	0	0	0	0	0	1354	0	0	0	1375
2-7-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	1	6	7	0	0	0	0	0	0	0	1354	0	0	0	1375
2-8-aScrapers Cat 657	7225	2	0	0	7340	4	27	25	2	0	2	1	0	1	0	7225	2	0	0	7340
2-8-aDozer D9T	3817	1	0	0	3877	2	16	16	1	0	1	1	0	1	0	3811	1	0	0	3871
2-8-aCat 140M3 Grader	685	0	0	0	696	0	4	2	0	0	0	0	0	0	0	684	0	0	0	695
2-8-aCat 374 F L	374	0	0	0	380	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379
2-8-a825 Compactors	3817	1	0	0	3877	2	16	16	1	0	1	1	0	1	0	3811	1	0	0	3871
2-8-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	8	9	0	0	0	0	0	0	0	3043	1	0	0	3091
2-8-aWheel Loader 986 H	2436	1	0	0	2475	1	8	8	1	0	1	0	0	0	0	2442	1	0	0	2481
2-8-cJohn Deere 410K TC Backhoe Loader	982	0	0	0	998	0	4	7	0	0	0	0	0	0	0	982	0	0	0	998
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	6	6	0	0	0	0	0	0	0	3486	0	0	0	3513
2-8-cAuger Cast Caissons Drill Rig	1167	0	0	0	1185	0	2	3	0	0	0	0	0	0	0	1174	0	0	0	1193
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	2	12	12	1	0	1	1	0	1	0	6972	0	0	0	7025
2-8-dAP 600 D Cat Asphalt Paver	1507	0	0	0	1531	1	5	10	0	0	0	0	0	0	0	1506	0	0	0	1530
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	2	12	12	1	0	1	1	0	1	0	6972	0	0	0	7025
2-8-eLink Belt Conventional Lattice Crawler Crane	677	0	0	0	688	0	3	4	0	0	0	0	0	0	0	677	0	0	0	688

Equipment	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX
	Pounds per day 2022																
5-1-aScrapers Cat 657G	3	23	23	1	0	1	1	0	1	0	7217	2	0	0	7332	2	4
5-1-aDozer D9T	1	9	10	1	0	1	1	0	1	0	2540	1	0	0	2580	1	1
5-1-aExcavator 374 FL	0	1	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0
5-1-a825 Compactors	1	9	10	1	0	1	1	0	1	0	2540	1	0	0	2580	1	1
5-1-cJohn Deere 410K TC Backhoe Loader	0	3	7	0	0	0	0	0	0	0	984	0	0	0	999	0	1
5-1-cAuger Cast Caissons Drill Rig	1	3	5	0	0	0	0	0	0	0	2335	1	0	0	2372	0	1
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
5-1-dAP 600 D Cat Asphalt Paver	0	3	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	5	6	0	0	0	0	0	0	0	707	0	0	0	715	1	5
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
5-1-eLink Belt Conventional Lattice Crawler Crane	0	3	3	0	0	0	0	0	0	0	677	0	0	0	687	0	0
4-2-aScrapers Cat 657G	5	31	31	2	0	2	2	0	2	0	9623	3	0	0	9776	2	5
4-2-aDozer D9T	3	18	21	1	0	1	1	0	1	0	5080	2	0	0	5161	1	3
4-2-aCat 140M3 Grader	0	3	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1
4-2-aCat 374 F L	0	1	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0
4-2-a825 Compactors	3	18	21	1	0	1	1	0	1	0	5080	2	0	0	5161	1	3
4-2-aOff Highway Dump Truck Cat 770	1	6	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	2
4-2-aWheel Loader 986 H	1	7	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	1
4-2-bKomatsu PC360LC	1	4	7	0	0	0	0	0	0	0	2987	1	0	0	3034	0	2
4-2-cAuger Cast Caissons Drill Rig	1	5	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
4-2-cJohn Deere 410K TC Backhoe Loader	0	5	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
4-2-dAP 600 D Cat Asphalt Paver	0	3	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
4-2-eLink Belt Conventional Lattice Crawler Crane	1	10	13	1	0	1	1	0	1	0	2706	1	0	0	2749	1	2
4-2-eLink Belt Conventional Lattice Crawler Crane	1	10	13	1	0	1	1	0	1	0	2706	1	0	0	2749	1	2
4-3-cJohn Deere 410K TC Backhoe Loader	0	5	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
4-3-cAuger Cast Caissons Drill Rig	1	5	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
4-3-dAP 600 D Cat Asphalt Paver	0	3	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
4-3-eLink Belt Conventional Lattice Crawler Crane	1	5	6	0	0	0	0	0	0	0	1353	0	0	0	1375	0	1
4-4-aScrapers Cat 657G	3	23	23	1	0	1	1	0	1	0	7217	2	0	0	7332	2	4
4-4-aDozer D9T	2	13	15	1	0	1	1	0	1	0	3810	1	0	0	3871	1	2
4-4-aCat 140M3 Grader	0	2	1	0	0	0	0	0	0	0	342	0	0	0	347	0	0
4-4-aCat 374 F L	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0
4-4-a825 Compactors	1	9	10	1	0	1	1	0	1	0	2540	1	0	0	2580	1	1
4-4-aOff Highway Dump Truck Cat 770	1	3	4	0	0	0	0	0	0	0	1522	0	0	0	1546	0	1
4-4-aWheel Loader 986 H	1	3	4	0	0	0	0	0	0	0	1222	0	0	0	1241	0	1
4-4-cJohn Deere 410K TC Backhoe Loader	0	5	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
4-4-cAuger Cast Caissons Drill Rig	1	5	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
4-4-dAP 600 D Cat Asphalt Paver	0	3	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
4-4-eLink Belt Conventional Lattice Crawler Crane	1	8	10	1	0	1	0	0	0	0	2030	1	0	0	2062	1	1
3-2-dirtScrapers Cat 657	5	31	31	2	0	2	2	0	2	0	9623	3	0	0	9776	2	5
3-2-dirtDozer D9T	3	18	21	1	0	1	1	0	1	0	5080	2	0	0	5161	1	3
3-2-aScrapers Cat 657	2	15	15	1	0	1	1	0	1	0	4812	2	0	0	4888	1	3
3-2-aDozer D9T	1	9	10	1	0	1	1	0	1	0	2540	1	0	0	2580	1	1
3-2-aCat 140M3 Grader	0	3	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1
3-2-aCat 374 F L	0	1	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0
3-2-a825 Compactors	1	9	10	1	0	1	1	0	1	0	2540	1	0	0	2580	1	1
3-2-aOff Highway Dump Truck Cat 770	1	6	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	2
3-2-aWheel Loader 986 H	1	7	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	1
3-5-cJohn Deere 410K TC Backhoe Loader	0	5	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
3-5-cAuger Cast Caissons Drill Rig	1	5	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
3-5-dAP 600 D Cat Asphalt Paver	0	3	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	11	12	1	0	1	1	0	1	0	6972	0	0	0	7025	1	3
3-5-eLink Belt Conventional Lattice Crawler Crane	1	5	6	0	0	0	0	0	0	0	1353	0	0	0	1375	0	1
1-6-aScrapers Cat 657	3	23	23	1	0	1	1	0	1	0	7217	2	0	0	7332	2	4
1-6-aDozer D9T	2	13	15	1	0	1	1	0	1	0	3810	1	0	0	3871	1	2
1-6-aCat 140M3 Grader	0	3	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1
1-6-aCat 374 F L	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0
1-6-a825 Compactors	2	13	15	1	0	1	1	0	1	0	3810	1	0	0	3871	1	2
1-6-aOff Highway Dump Truck Cat 770	1	6	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	2
1-6-aWheel Loader 986 H	1	7	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	1
1-6-cJohn Deere 410K TC Backhoe Loader	0	5	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
1-6-cAuger Cast Caissons Drill Rig	1	5	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
1-6-dAP 600 D Cat Asphalt Paver	0	3	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	11	12	1	0	1	1	0	1	0	6972	0	0	0	7025	1	3
1-6-eLink Belt Conventional Lattice Crawler Crane	1	8	10	1	0	1	0	0	0	0	2030	1	0	0	2062	1	1
1-6-eLink Belt Conventional Lattice Crawler Crane	1	8	10	1	0	1	0	0	0	0	2030	1	0	0	2062	1	1
2-7-aScrapers Cat 657	3	23	23	1	0	1	1	0	1	0	7217	2	0	0	7332	2	4
2-7-aDozer D9T	2	13	15	1	0	1	1	0	1	0	3810	1	0	0	3871	1	2
2-7-aCat 140M3 Grader	0	3	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1
2-7-aCat 374 F L	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0
2-7-a825 Compactors	2	13	15	1	0	1	1	0	1	0	3810	1	0	0	3871	1	2
2-7-aOff Highway Dump Truck Cat 770	1	6	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	2
2-7-aWheel Loader 986 H	1	7	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	1
2-7-cJohn Deere 410K TC Backhoe Loader	0	5	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
2-7-cAuger Cast Caissons Drill Rig	1	5	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	4	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
2-7-dAP 600 D Cat Asphalt Paver	0	3	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
2-7-eLink Belt Conventional Lattice Crawler Crane	1	5	6	0	0	0	0	0	0	0	1353	0	0	0	1375	0	1
2-7-eLink Belt Conventional Lattice Crawler Crane	1	5	6	0	0	0	0	0	0	0	1353	0	0	0	1375	0	1
2-8-aScrapers Cat 657	3	23	23	1	0	1	1	0	1	0	7217	2	0	0	7332	2	4
2-8-aDozer D9T	2	13	15	1	0	1	1	0	1	0	3810	1	0	0	3871	1	2
2-8-aCat 140M3 Grader	0	3	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1
2-8-aCat 374 F L	0	1	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0
2-8-a825 Compactors	2	13	15	1	0	1	1	0	1	0	3810	1	0	0	3871	1	2
2-8-aOff Highway Dump Truck Cat 770	1	6	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	2
2-8-aWheel Loader 986 H	1	7	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	1
2-8-cJohn Deere 410K TC Backhoe Loader	0	3	7	0	0	0	0	0	0	0	984	0	0	0	999	0	1
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
2-8-cAuger Cast Caissons Drill Rig	0	2	3	0	0	0	0	0	0	0	1168	0	0	0	1186	0	1
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	11	12	1	0	1	1	0	1	0	6972	0	0	0	7025	1	3
2-8-dAP 600 D Cat Asphalt Paver	0	4	10	0	0	0	0	0	0	0	1507	0	0	0	1531	0	1
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	11	12	1	0	1	1	0	1	0	6972	0	0	0	7025	1	3
2-8-eLink Belt Conventional Lattice Crawler Crane	0	3	3	0	0	0	0	0	0	0	677	0	0	0	687	0	0

Construction - Mitigated Tier 3 and 4.

Daily Construction- Equipment

	Pounds per day 2023													Pounds per day 2024															Pounds per day 2025								
	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T
5-1-aScrapers Cat 657G	23	0	0	0	0	0	0	0	7218	2	0	0	7332	2	4	22	0	0	0	0	0	0	0	7220	2	0	0	7334	1	4	20	0	0	0	0	0	0
5-1-aDozer D9T	10	0	0	0	0	0	0	0	2541	1	0	0	2582	1	1	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0
5-1-aExcavator 374 FL	2	0	0	0	0	0	0	0	747	0	0	0	759	0	0	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0	2	0	0	0	0	0	0
5-1-a825 Compactors	10	0	0	0	0	0	0	0	2541	1	0	0	2582	1	1	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0
5-1-cJohn Deere 410K TC Backhoe Loader	7	0	0	0	0	0	0	0	985	0	0	0	1000	0	1	7	0	0	0	0	0	0	0	985	0	0	0	1001	0	1	7	0	0	0	0	0	0
5-1-cAuger Cast Caissons Drill Rig	5	0	0	0	0	0	0	0	2320	1	0	0	2356	0	1	5	0	0	0	0	0	0	0	2322	1	0	0	2358	0	1	5	0	0	0	0	0	0
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
5-1-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	6	0	0	0	0	0	0	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
5-1-eLink Belt Conventional Lattice Crawler Crane	3	0	0	0	0	0	0	0	677	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0
4-2-aScrapers Cat 657G	31	0	0	0	0	0	0	0	9624	3	0	0	9776	2	5	30	0	0	0	0	0	0	0	9626	3	0	0	9779	2	5	27	0	0	0	0	0	0
4-2-aDozer D9T	20	0	0	0	0	0	0	0	5083	2	0	0	5163	1	3	19	0	0	0	0	0	0	0	5076	2	0	0	5157	1	3	18	0	0	0	0	0	0
4-2-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0
4-2-aCat 374 F L	2	0	0	0	0	0	0	0	747	0	0	0	759	0	0	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0	2	0	0	0	0	0	0
4-2-a825 Compactors	20	0	0	0	0	0	0	0	5083	2	0	0	5163	1	3	19	0	0	0	0	0	0	0	5076	2	0	0	5157	1	3	18	0	0	0	0	0	0
4-2-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	2	8	0	0	0	0	0	0
4-2-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	1	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	1	7	0	0	0	0	0	0
4-2-bKomatsu PC360LC	7	0	0	0	0	0	0	0	2988	1	0	0	3035	0	2	7	0	0	0	0	0	0	0	2987	1	0	0	3034	0	2	7	0	0	0	0	0	0
4-2-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
4-2-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
4-2-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	12	0	0	0	0	0	0	0	2707	1	0	0	2750	1	2	11	0	0	0	0	0	0	0	2706	1	0	0	2749	1	1	11	0	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	12	0	0	0	0	0	0	0	2707	1	0	0	2750	1	2	11	0	0	0	0	0	0	0	2706	1	0	0	2749	1	1	11	0	0	0	0	0	0
4-3-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
4-3-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
4-3-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
4-3-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0
4-4-aScrapers Cat 657G	23	0	0	0	0	0	0	0	7218	2	0	0	7332	2	4	22	0	0	0	0	0	0	0	7220	2	0	0	7334	1	4	20	0	0	0	0	0	0
4-4-aDozer D9T	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
4-4-aCat 140M3 Grader	1	0	0	0	0	0	0	0	342	0	0	0	347	0	0	1	0	0	0	0	0	0	0	341	0	0	0	347	0	0	1	0	0	0	0	0	0
4-4-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0
4-4-a825 Compactors	10	0	0	0	0	0	0	0	2541	1	0	0	2582	1	1	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0
4-4-aOff Highway Dump Truck Cat 770	4	0	0	0	0	0	0	0	1523	0	0	0	1547	0	1	4	0	0	0	0	0	0	0	1524	0	0	0	1548	0	1	4	0	0	0	0	0	0
4-4-aWheel Loader 986 H	4	0	0	0	0	0	0	0	1223	0	0	0	1242	0	1	4	0	0	0	0	0	0	0	1223	0	0	0	1242	0	1	3	0	0	0	0	0	0
4-4-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
4-4-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
4-4-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
4-4-eLink Belt Conventional Lattice Crawler Crane	9	0	0	0	0	0	0	0	2030	1	0	0	2062	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0
3-2-dirtScrapers Cat 657	31	0	0	0	0	0	0	0	9624	3	0	0	9776	2	5	30	0	0	0	0	0	0	0	9626	3	0	0	9779	2	5	27	0	0	0	0	0	0
3-2-dirtDozer D9T	20	0	0	0	0	0	0	0	5083	2	0	0	5163	1	3	19	0	0	0	0	0	0	0	5076	2	0	0	5157	1	3	18	0	0	0	0	0	0
3-2-aScrapers Cat 657	15	0	0	0	0	0	0	0	4812	2	0	0	4888	1	3	15	0	0	0	0	0	0	0	4813	2	0	0	4889	1	3	14	0	0	0	0	0	0
3-2-aDozer D9T	10	0	0	0	0	0	0	0	2541	1	0	0	2582	1	1	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0
3-2-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0
3-2-aCat 374 F L	2	0	0	0	0	0	0	0	747	0	0	0	759	0	0	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0	2	0	0	0	0	0	0
3-2-a825 Compactors	10	0	0	0	0	0	0	0	2541	1	0	0	2582	1	1	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0
3-2-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	2	8	0	0	0	0	0	0
3-2-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	1	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	1	7	0	0	0	0	0	0
3-5-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
3-5-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
3-5-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0
3-5-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0
1-6-aScrapers Cat 657	23	0	0	0	0	0	0	0	7218	2	0	0	7332	2	4	22	0	0	0	0	0	0	0	7220	2	0	0	7334	1	4	20	0	0	0	0	0	0
1-6-aDozer D9T	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
1-6-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0
1-6-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0
1-6-a825 Compactors	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
1-6-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	2	8	0	0	0	0	0	0
1-6-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	1	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	1	7	0	0	0	0	0	0
1-6-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
1-6-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
1-6-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	9	0	0	0	0	0	0	0	2030	1	0	0	2062	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	9	0	0	0	0	0	0	0	2030	1	0	0	2062	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0
2-7-aScrapers Cat 657	23	0	0	0	0	0	0	0	7218	2	0	0	7332	2	4	22	0	0	0	0	0	0	0	7220	2	0	0	7334	1	4	20	0	0	0	0	0	0
2-7-aDozer D9T	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
2-7-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0
2-7-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0
2-7-a825 Compactors	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
2-7-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	2	8	0	0	0	0	0	0
2-7-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	1	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	1	7	0	0	0	0	0	0
2-7-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
2-7-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
2-7-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0
2-8-aScrapers Cat 657	23	0	0	0	0	0	0	0	7218	2	0	0	7332	2	4	22	0	0	0	0	0	0	0	7220	2	0	0	7334	1	4	20	0	0	0	0	0	0
2-8-aDozer D9T	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
2-8-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0
2-8-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0
2-8-a825 Compactors	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
2-8-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	2	8	0	0	0	0	0	0
2-8-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	1	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	1	7	0	0	0	0	0	0
2-8-cJohn Deere 410K TC Backhoe Loader	7	0	0	0	0	0	0	0	985	0	0	0	1000	0	1	7	0	0	0	0	0	0	0	985	0	0	0	1001	0	1	7	0	0	0	0	0	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
2-8-cAuger Cast Caissons Drill Rig	2	0	0	0	0	0	0	0	1160	0	0	0	1178	0	1	2	0	0	0	0	0	0	0	1161	0	0	0	1179	0	1	2	0	0	0	0	0	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0
2-8-dAP 600 D Cat Asphalt Paver	10	0	0	0	0	0	0	0	1507	0	0	0	1530	0	1	10	0	0	0	0	0	0	0	1506	0	0	0	1530	0	1	10	0	0	0	0	0	0
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0
2-8-eLink Belt Conventional Lattice Crawler Crane	3	0	0	0	0	0	0	0	677	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0

Construction - Mitigated Tier 3 and 4.

Daily Construction- Equipment

							Pounds per day 2026															Pounds per day 2027															
	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG
5-1-aScrapers Cat 657G	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1
5-1-aDozer D9T	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
5-1-aExcavator 374 FL	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0
5-1-a825 Compactors	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
5-1-cJohn Deere 410K TC Backhoe Loader	0	986	0	0	0	1002	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002	0
5-1-cAuger Cast Caissons Drill Rig	0	2336	1	0	0	2373	0	1	5	0	0	0	0	0	0	0	2336	1	0	0	2373	0	1	5	0	0	0	0	0	0	0	2336	1	0	0	2373	0
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
5-1-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714	1
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
5-1-eLink Belt Conventional Lattice Crawler Crane	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0
4-2-aScrapers Cat 657G	0	9640	3	0	0	9793	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793	2
4-2-aDozer D9T	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1
4-2-aCat 140M3 Grader	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0
4-2-aCat 374 F L	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0
4-2-a825 Compactors	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1
4-2-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
4-2-aWheel Loader 986 H	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
4-2-bKomatsu PC360LC	0	2990	1	0	0	3038	0	2	7	0	0	0	0	0	0	0	2990	1	0	0	3038	0	2	7	0	0	0	0	0	0	0	2990	1	0	0	3038	0
4-2-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
4-2-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
4-2-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
4-2-eLink Belt Conventional Lattice Crawler Crane	0	2705	1	0	0	2748	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748	1
4-2-eLink Belt Conventional Lattice Crawler Crane	0	2705	1	0	0	2748	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748	1
4-3-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
4-3-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
4-3-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
4-3-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0
4-4-aScrapers Cat 657G	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1
4-4-aDozer D9T	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
4-4-aCat 140M3 Grader	0	341	0	0	0	347	0	0	1	0	0	0	0	0	0	0	341	0	0	0	347	0	0	1	0	0	0	0	0	0	0	341	0	0	0	347	0
4-4-aCat 374 F L	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0
4-4-a825 Compactors	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
4-4-aOff Highway Dump Truck Cat 770	0	1523	0	0	0	1547	0	1	4	0	0	0	0	0	0	0	1523	0	0	0	1547	0	1	4	0	0	0	0	0	0	0	1523	0	0	0	1547	0
4-4-aWheel Loader 986 H	0	1224	0	0	0	1244	0	1	3	0	0	0	0	0	0	0	1224	0	0	0	1244	0	1	3	0	0	0	0	0	0	0	1224	0	0	0	1244	0
4-4-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
4-4-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
4-4-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
4-4-eLink Belt Conventional Lattice Crawler Crane	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0
3-2-dirtScrapers Cat 657	0	9640	3	0	0	9793	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793	2
3-2-dirtDozer D9T	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1
3-2-aScrapers Cat 657	0	4820	2	0	0	4897	1	3	14	0	0	0	0	0	0	0	4820	2	0	0	4897	1	3	14	0	0	0	0	0	0	0	4820	2	0	0	4897	1
3-2-aDozer D9T	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
3-2-aCat 140M3 Grader	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0
3-2-aCat 374 F L	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0
3-2-a825 Compactors	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
3-2-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
3-2-aWheel Loader 986 H	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
3-5-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
3-5-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
3-5-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1
3-5-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0
1-6-aScrapers Cat 657	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1
1-6-aDozer D9T	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
1-6-aCat 140M3 Grader	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0
1-6-aCat 374 F L	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0
1-6-a825 Compactors	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
1-6-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
1-6-aWheel Loader 986 H	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
1-6-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
1-6-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
1-6-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1
1-6-eLink Belt Conventional Lattice Crawler Crane	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0
1-6-eLink Belt Conventional Lattice Crawler Crane	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0
2-7-aScrapers Cat 657	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1
2-7-aDozer D9T	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
2-7-aCat 140M3 Grader	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0
2-7-aCat 374 F L	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0
2-7-a825 Compactors	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
2-7-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
2-7-aWheel Loader 986 H	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
2-7-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
2-7-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
2-7-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0
2-8-aScrapers Cat 657	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1
2-8-aDozer D9T	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
2-8-aCat 140M3 Grader	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0
2-8-aCat 374 F L	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0
2-8-a825 Compactors	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
2-8-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
2-8-aWheel Loader 986 H	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
2-8-cJohn Deere 410K TC Backhoe Loader	0	986	0	0	0	1002	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
2-8-cAuger Cast Caissons Drill Rig	0	1168	0	0	0	1186	0	1	2	0	0	0	0	0	0	0	1168	0	0	0	1186	0	1	2	0	0	0	0	0	0	0	1168	0	0	0	1186	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1
2-8-dAP 600 D Cat Asphalt Paver	0	1506	0	0	0	1530	0	1	10	0	0	0	0	0	0	0	1506	0	0	0	1530	0	1	10	0	0	0	0	0	0	0	1506	0	0	0	1530	0
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1
2-8-eLink Belt Conventional Lattice Crawler Crane	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0

Construction - Mitigated Tier 3 and 4.

Daily Construction- Equipment

	Pounds per day													
	2028													
	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e
5-1-aScrapers Cat 657G	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
5-1-aDozer D9T	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
5-1-aExcavator 374 FL	0	2	0	0	0	0	0	0	0	748	0	0	0	759
5-1-a825 Compactors	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
5-1-cJohn Deere 410K TC Backhoe Loader	1	7	0	0	0	0	0	0	0	986	0	0	0	1002
5-1-cAuger Cast Caissons Drill Rig	1	5	0	0	0	0	0	0	0	2336	1	0	0	2373
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
5-1-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	6	0	0	0	0	0	0	0	707	0	0	0	714
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
5-1-eLink Belt Conventional Lattice Crawler Crane	0	3	0	0	0	0	0	0	0	676	0	0	0	687
4-2-aScrapers Cat 657G	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793
4-2-aDozer D9T	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
4-2-aCat 140M3 Grader	0	2	0	0	0	0	0	0	0	683	0	0	0	693
4-2-aCat 374 F L	0	2	0	0	0	0	0	0	0	748	0	0	0	759
4-2-a825 Compactors	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
4-2-aOff Highway Dump Truck Cat 770	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
4-2-aWheel Loader 986 H	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
4-2-bKomatsu PC360LC	2	7	0	0	0	0	0	0	0	2990	1	0	0	3038
4-2-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-2-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-2-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-2-eLink Belt Conventional Lattice Crawler Crane	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748
4-2-eLink Belt Conventional Lattice Crawler Crane	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748
4-3-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-3-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-3-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-3-eLink Belt Conventional Lattice Crawler Crane	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
4-4-aScrapers Cat 657G	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
4-4-aDozer D9T	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
4-4-aCat 140M3 Grader	0	1	0	0	0	0	0	0	0	341	0	0	0	347
4-4-aCat 374 F L	0	1	0	0	0	0	0	0	0	374	0	0	0	380
4-4-a825 Compactors	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
4-4-aOff Highway Dump Truck Cat 770	1	4	0	0	0	0	0	0	0	1523	0	0	0	1547
4-4-aWheel Loader 986 H	1	3	0	0	0	0	0	0	0	1224	0	0	0	1244
4-4-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-4-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-4-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-4-eLink Belt Conventional Lattice Crawler Crane	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
3-2-dirtScrapers Cat 657	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793
3-2-dirtDozer D9T	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
3-2-aScrapers Cat 657	3	14	0	0	0	0	0	0	0	4820	2	0	0	4897
3-2-aDozer D9T	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
3-2-aCat 140M3 Grader	0	2	0	0	0	0	0	0	0	683	0	0	0	693
3-2-aCat 374 F L	0	2	0	0	0	0	0	0	0	748	0	0	0	759
3-2-a825 Compactors	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
3-2-aOff Highway Dump Truck Cat 770	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
3-2-aWheel Loader 986 H	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
3-5-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
3-5-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
3-5-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
3-5-eLink Belt Conventional Lattice Crawler Crane	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
1-6-aScrapers Cat 657	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
1-6-aDozer D9T	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
1-6-aCat 140M3 Grader	0	2	0	0	0	0	0	0	0	683	0	0	0	693
1-6-aCat 374 F L	0	1	0	0	0	0	0	0	0	374	0	0	0	380
1-6-a825 Compactors	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
1-6-aOff Highway Dump Truck Cat 770	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
1-6-aWheel Loader 986 H	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
1-6-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
1-6-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
1-6-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
1-6-eLink Belt Conventional Lattice Crawler Crane	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
1-6-eLink Belt Conventional Lattice Crawler Crane	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
2-7-aScrapers Cat 657	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
2-7-aDozer D9T	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-7-aCat 140M3 Grader	0	2	0	0	0	0	0	0	0	683	0	0	0	693
2-7-aCat 374 F L	0	1	0	0	0	0	0	0	0	374	0	0	0	380
2-7-a825 Compactors	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-7-aOff Highway Dump Truck Cat 770	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
2-7-aWheel Loader 986 H	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
2-7-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
2-7-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
2-7-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-7-eLink Belt Conventional Lattice Crawler Crane	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
2-7-eLink Belt Conventional Lattice Crawler Crane	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
2-8-aScrapers Cat 657	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
2-8-aDozer D9T	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-8-aCat 140M3 Grader	0	2	0	0	0	0	0	0	0	683	0	0	0	693
2-8-aCat 374 F L	0	1	0	0	0	0	0	0	0	374	0	0	0	380
2-8-a825 Compactors	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-8-aOff Highway Dump Truck Cat 770	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
2-8-aWheel Loader 986 H	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
2-8-cJohn Deere 410K TC Backhoe Loader	1	7	0	0	0	0	0	0	0	986	0	0	0	1002
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-8-cAuger Cast Caissons Drill Rig	1	2	0	0	0	0	0	0	0	1168	0	0	0	1186
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
2-8-dAP 600 D Cat Asphalt Paver	1	10	0	0	0	0	0	0	0	1506	0	0	0	1530
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
2-8-eLink Belt Conventional Lattice Crawler Crane	0	3	0	0	0	0	0	0	0	676	0	0	0	687

	Pounds per day														
	2029														
	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e
5-1-aScrapers Cat 657G	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
5-1-aDozer D9T	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
5-1-aExcavator 374 FL	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759
5-1-a825 Compactors	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
5-1-cJohn Deere 410K TC Backhoe Loader	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002
5-1-cAuger Cast Caissons Drill Rig	0	1	5	0	0	0	0	0	0	0	2336	1	0	0	2373
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
5-1-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
5-1-eLink Belt Conventional Lattice Crawler Crane	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687
4-2-aScrapers Cat 657G	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793
4-2-aDozer D9T	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
4-2-aCat 140M3 Grader	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693
4-2-aCat 374 F L	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759
4-2-a825 Compactors	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
4-2-aOff Highway Dump Truck Cat 770	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
4-2-aWheel Loader 986 H	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
4-2-bKomatsu PC360LC	0	2	7	0	0	0	0	0	0	0	2990	1	0	0	3038
4-2-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-2-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-2-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-2-eLink Belt Conventional Lattice Crawler Crane	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748
4-2-eLink Belt Conventional Lattice Crawler Crane	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748
4-3-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-3-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-3-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-3-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
4-4-aScrapers Cat 657G	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
4-4-aDozer D9T	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
4-4-aCat 140M3 Grader	0	0	1	0	0	0	0	0	0	0	341	0	0	0	347
4-4-aCat 374 F L	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380
4-4-a825 Compactors	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
4-4-aOff Highway Dump Truck Cat 770	0	1	4	0	0	0	0	0	0	0	1523	0	0	0	1547
4-4-aWheel Loader 986 H	0	1	3	0	0	0	0	0	0	0	1224	0	0	0	1244
4-4-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-4-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-4-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-4-eLink Belt Conventional Lattice Crawler Crane	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
3-2-dirtScrapers Cat 657	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793
3-2-dirtDozer D9T	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
3-2-aScrapers Cat 657	1	3	14	0	0	0	0	0	0	0	4820	2	0	0	4897
3-2-aDozer D9T	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
3-2-aCat 140M3 Grader	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693
3-2-aCat 374 F L	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759
3-2-a825 Compactors	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
3-2-aOff Highway Dump Truck Cat 770	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
3-2-aWheel Loader 986 H	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
3-5-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
3-5-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
3-5-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
3-5-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
1-6-aScrapers Cat 657	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
1-6-aDozer D9T	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
1-6-aCat 140M3 Grader	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693
1-6-aCat 374 F L	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380
1-6-a825 Compactors	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
1-6-aOff Highway Dump Truck Cat 770	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
1-6-aWheel Loader 986 H	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
1-6-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
1-6-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
1-6-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
1-6-eLink Belt Conventional Lattice Crawler Crane	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
1-6-eLink Belt Conventional Lattice Crawler Crane	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
2-7-aScrapers Cat 657	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
2-7-aDozer D9T	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-7-aCat 140M3 Grader	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693
2-7-aCat 374 F L	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380
2-7-a825 Compactors	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-7-aOff Highway Dump Truck Cat 770	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
2-7-aWheel Loader 986 H	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
2-7-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
2-7-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
2-7-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
2-8-aScrapers Cat 657	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
2-8-aDozer D9T	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-8-aCat 140M3 Grader	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693
2-8-aCat 374 F L	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380
2-8-a825 Compactors	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-8-aOff Highway Dump Truck Cat 770	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
2-8-aWheel Loader 986 H	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
2-8-cJohn Deere 410K TC Backhoe Loader	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-8-cAuger Cast Caissons Drill Rig	0	1	2	0	0	0	0	0	0	0	1168	0	0	0	1186
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
2-8-dAP 600 D Cat Asphalt Paver	0	1	10	0	0	0	0	0	0	0	1506	0	0	0	1530
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
2-8-eLink Belt Conventional Lattice Crawler Crane	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687

	Pounds per d							
	2030							
	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D
5-1-aScrapers Cat 657G	2	4	18	0	0	0	0	0
5-1-aDozer D9T	1	1	6	0	0	0	0	0
5-1-aExcavator 374 FL	0	0	2	0	0	0	0	0
5-1-a825 Compactors	1	1	6	0	0	0	0	0
5-1-cJohn Deere 410K TC Backhoe Loader	0	1	8	0	0	0	0	0
5-1-cAuger Cast Caissons Drill Rig	0	1	5	0	0	0	0	0
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
5-1-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	6	0	0	0	0	0
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
5-1-eLink Belt Conventional Lattice Crawler Crane	0	0	2	0	0	0	0	0
4-2-aScrapers Cat 657G	3	5	24	0	0	0	0	0
4-2-aDozer D9T	1	3	13	0	0	0	0	0
4-2-aCat 140M3 Grader	0	0	2	0	0	0	0	0
4-2-aCat 374 F L	0	0	2	0	0	0	0	0
4-2-a825 Compactors	1	3	13	0	0	0	0	0
4-2-aOff Highway Dump Truck Cat 770	1	2	7	0	0	0	0	0
4-2-aWheel Loader 986 H	1	1	6	0	0	0	0	0
4-2-bKomatsu PC360LC	1	2	7	0	0	0	0	0
4-2-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
4-2-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
4-2-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	1	1	6	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	1	1	6	0	0	0	0	0
4-3-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
4-3-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
4-3-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
4-3-eLink Belt Conventional Lattice Crawler Crane	0	1	3	0	0	0	0	0
4-4-aScrapers Cat 657G	2	4	18	0	0	0	0	0
4-4-aDozer D9T	1	2	10	0	0	0	0	0
4-4-aCat 140M3 Grader	0	0	1	0	0	0	0	0
4-4-aCat 374 F L	0	0	1	0	0	0	0	0
4-4-a825 Compactors	1	1	6	0	0	0	0	0
4-4-aOff Highway Dump Truck Cat 770	0	1	4	0	0	0	0	0
4-4-aWheel Loader 986 H	0	1	3	0	0	0	0	0
4-4-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
4-4-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
4-4-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
4-4-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0
3-2-dirtScrapers Cat 657	3	5	24	0	0	0	0	0
3-2-dirtDozer D9T	1	3	13	0	0	0	0	0
3-2-aScrapers Cat 657	1	3	12	0	0	0	0	0
3-2-aDozer D9T	1	1	6	0	0	0	0	0
3-2-aCat 140M3 Grader	0	0	2	0	0	0	0	0
3-2-aCat 374 F L	0	0	2	0	0	0	0	0
3-2-a825 Compactors	1	1	6	0	0	0	0	0
3-2-aOff Highway Dump Truck Cat 770	1	2	7	0	0	0	0	0
3-2-aWheel Loader 986 H	1	1	6	0	0	0	0	0
3-5-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
3-5-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
3-5-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0
3-5-eLink Belt Conventional Lattice Crawler Crane	0	1	3	0	0	0	0	0
1-6-aScrapers Cat 657	2	4	18	0	0	0	0	0
1-6-aDozer D9T	1	2	10	0	0	0	0	0
1-6-aCat 140M3 Grader	0	0	2	0	0	0	0	0
1-6-aCat 374 F L	0	0	1	0	0	0	0	0
1-6-a825 Compactors	1	2	10	0	0	0	0	0
1-6-aOff Highway Dump Truck Cat 770	1	2	7	0	0	0	0	0
1-6-aWheel Loader 986 H	1	1	6	0	0	0	0	0
1-6-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
1-6-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
1-6-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0
2-7-aScrapers Cat 657	2	4	18	0	0	0	0	0
2-7-aDozer D9T	1	2	10	0	0	0	0	0
2-7-aCat 140M3 Grader	0	0	2	0	0	0	0	0
2-7-aCat 374 F L	0	0	1	0	0	0	0	0
2-7-a825 Compactors	1	2	10	0	0	0	0	0
2-7-aOff Highway Dump Truck Cat 770	1	2	7	0	0	0	0	0
2-7-aWheel Loader 986 H	1	1	6	0	0	0	0	0
2-7-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
2-7-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
2-7-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1	3	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1	3	0	0	0	0	0
2-8-aScrapers Cat 657	2	4	18	0	0	0	0	0
2-8-aDozer D9T	1	2	10	0	0	0	0	0
2-8-aCat 140M3 Grader	0	0	2	0	0	0	0	0
2-8-aCat 374 F L	0	0	1	0	0	0	0	0
2-8-a825 Compactors	1	2	10	0	0	0	0	0
2-8-aOff Highway Dump Truck Cat 770	1	2	7	0	0	0	0	0
2-8-aWheel Loader 986 H	1	1	6	0	0	0	0	0
2-8-cJohn Deere 410K TC Backhoe Loader	0	1	8	0	0	0	0	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
2-8-cAuger Cast Caissons Drill Rig	0	1	3	0	0	0	0	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0
2-8-dAP 600 D Cat Asphalt Paver	0	1	11	0	0	0	0	0
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0
2-8-eLink Belt Conventional Lattice Crawler Crane	0	0	2	0	0	0	0	0

Construction - Mitigated Tier 3 and 4.

Daily Construction- Equipment

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	PM2.5T	SOX	CO2	CH4	N2O	Other	CO2e
5-1-aScrapers Cat 657G	0	0	8703	0	0	0	8772
5-1-aDozer D9T	0	0	3043	0	0	0	3067
5-1-aExcavator 374 FL	0	0	903	0	0	0	910
5-1-a825 Compactors	0	0	3043	0	0	0	3067
5-1-cJohn Deere 410K TC Backhoe Loader	0	0	1175	0	0	0	1184
5-1-cAuger Cast Caissons Drill Rig	0	0	2841	0	0	0	2861
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
5-1-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	707	0	0	0	714
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
5-1-eLink Belt Conventional Lattice Crawler Crane	0	0	814	0	0	0	821
4-2-aScrapers Cat 657G	0	0	11604	0	0	0	11696
4-2-aDozer D9T	0	0	6086	0	0	0	6134
4-2-aCat 140M3 Grader	0	0	819	0	0	0	826
4-2-aCat 374 FL	0	0	903	0	0	0	910
4-2-a825 Compactors	0	0	6086	0	0	0	6134
4-2-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
4-2-aWheel Loader 986 H	0	0	2966	0	0	0	2989
4-2-bKomatsu PC360LC	0	0	3613	0	0	0	3641
4-2-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
4-2-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
4-2-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-2-eLink Belt Conventional Lattice Crawler Crane	0	0	3257	0	0	0	3283
4-2-eLink Belt Conventional Lattice Crawler Crane	0	0	3257	0	0	0	3283
4-3-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
4-3-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
4-3-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-3-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
4-4-aScrapers Cat 657G	0	0	8703	0	0	0	8772
4-4-aDozer D9T	0	0	4564	0	0	0	4601
4-4-aCat 140M3 Grader	0	0	410	0	0	0	413
4-4-aCat 374 FL	0	0	452	0	0	0	455
4-4-a825 Compactors	0	0	3043	0	0	0	3067
4-4-aOff Highway Dump Truck Cat 770	0	0	1822	0	0	0	1836
4-4-aWheel Loader 986 H	0	0	1483	0	0	0	1495
4-4-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
4-4-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
4-4-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-4-eLink Belt Conventional Lattice Crawler Crane	0	0	2443	0	0	0	2462
3-2-dirtScrapers Cat 657	0	0	11604	0	0	0	11696
3-2-dirtDozer D9T	0	0	6086	0	0	0	6134
3-2-aScrapers Cat 657	0	0	5802	0	0	0	5848
3-2-aDozer D9T	0	0	3043	0	0	0	3067
3-2-aCat 140M3 Grader	0	0	819	0	0	0	826
3-2-aCat 374 FL	0	0	903	0	0	0	910
3-2-a825 Compactors	0	0	3043	0	0	0	3067
3-2-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
3-2-aWheel Loader 986 H	0	0	2966	0	0	0	2989
3-5-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
3-5-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
3-5-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
3-5-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
1-6-aScrapers Cat 657	0	0	8703	0	0	0	8772
1-6-aDozer D9T	0	0	4564	0	0	0	4601
1-6-aCat 140M3 Grader	0	0	819	0	0	0	826
1-6-aCat 374 FL	0	0	452	0	0	0	455
1-6-a825 Compactors	0	0	4564	0	0	0	4601
1-6-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
1-6-aWheel Loader 986 H	0	0	2966	0	0	0	2989
1-6-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
1-6-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
1-6-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
1-6-eLink Belt Conventional Lattice Crawler Crane	0	0	2443	0	0	0	2462
1-6-eLink Belt Conventional Lattice Crawler Crane	0	0	2443	0	0	0	2462
2-7-aScrapers Cat 657	0	0	8703	0	0	0	8772
2-7-aDozer D9T	0	0	4564	0	0	0	4601
2-7-aCat 140M3 Grader	0	0	819	0	0	0	826
2-7-aCat 374 FL	0	0	452	0	0	0	455
2-7-a825 Compactors	0	0	4564	0	0	0	4601
2-7-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
2-7-aWheel Loader 986 H	0	0	2966	0	0	0	2989
2-7-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
2-7-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
2-7-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
2-7-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
2-7-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
2-8-aScrapers Cat 657	0	0	8703	0	0	0	8772
2-8-aDozer D9T	0	0	4564	0	0	0	4601
2-8-aCat 140M3 Grader	0	0	819	0	0	0	826
2-8-aCat 374 FL	0	0	452	0	0	0	455
2-8-a825 Compactors	0	0	4564	0	0	0	4601
2-8-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
2-8-aWheel Loader 986 H	0	0	2966	0	0	0	2989
2-8-cJohn Deere 410K TC Backhoe Loader	0	0	1175	0	0	0	1184
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
2-8-cAuger Cast Caissons Drill Rig	0	0	1420	0	0	0	1431
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
2-8-dAP 600 D Cat Asphalt Paver	0	0	1811	0	0	0	1826
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
2-8-eLink Belt Conventional Lattice Crawler Crane	0	0	814	0	0	0	821

Construction - Mitigated Tier 3 and 4.

Equipment Emission Calcs

											Pounds per day														Gal/Day	Pounds per day													
											2017															2018													
Parcel	Phase	Activity	Sch Code	lookup for daily	#/day	Hrs/day/Eq	HP Look	HP	LF	Days	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other
5	1	a	5-1-a	5-1-aScrapers Cat 657G	3	8	750	600	0.48	56	4.97	39.53	35.14	2.39		2.39	2.19		2.19	0.08	7637.25	2.34	0.20		339.41	4.50	35.12	30.09	2.07		2.07	1.90		1.90	0.08	7512.97	2.34	0.19	
5	1	a	5-1-a	5-1-aDozer D9T	2	8	500	354	0.43	62	2.06	16.48	14.11	1.04		1.04	0.96		0.96	0.03	2690.18	0.82	0.07		119.56	1.84	14.33	12.76	0.91		0.91	0.83		0.83	0.03	2642.46	0.82	0.07	
5	1	a	5-1-a	5-1-aExcavator 374 FL	1	4	500	472	0.38	20	0.32	2.44	1.91	0.13		0.13	0.12		0.12	0.01	789.73	0.24	0.02		35.10	0.28	2.00	1.81	0.11		0.11	0.10		0.10	0.01	777.47	0.24	0.02	
5	1	a	5-1-a	5-1-a825 Compactors	2	8	500	354	0.43	25	2.06	16.48	14.11	1.04		1.04	0.96		0.96	0.03	2690.18	0.82	0.07		119.56	1.84	14.33	12.76	0.91		0.91	0.83		0.83	0.03	2642.46	0.82	0.07	
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	3	8	120	106	0.37	26	0.54	5.73	7.82	0.75		0.75	0.69		0.69	0.01	1039.15	0.32	0.03		46.18	0.45	4.95	7.63	0.61		0.61	0.56		0.56	0.01	1021.23	0.32	0.03	
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	2	8	500	282	0.50	26	0.83	7.24	5.59	0.36		0.36	0.33		0.33	0.02	2446.57	0.75	0.06		108.73	0.67	5.34	5.16	0.26		0.26	0.24		0.24	0.02	2427.72	0.76	0.06	
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	20	1.10	7.36	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	6.59	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07	
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	49	0.63	6.17	7.81	0.48		0.48	0.44		0.44	0.01	1272.16	0.39	0.03		56.54	0.55	5.32	7.75	0.41		0.41	0.38		0.38	0.01	1252.67	0.39	0.03	
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	3	8	50	49	0.48	10	1.84	6.06	6.97	0.46		0.46	0.46		0.46	0.01	707.23	0.17	0.02		31.43	1.62	5.86	6.77	0.41		0.41	0.41		0.41	0.01	707.23	0.15	0.02	
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	30	1.47	9.81	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	8.79	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09	
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	159	0.59	4.59	5.08	0.30		0.30	0.28		0.28	0.01	714.21	0.22	0.02		31.74	0.53	4.06	4.57	0.27		0.27	0.25		0.25	0.01	703.40	0.22	0.02	
4	2	a	4-2-a	4-2-aScrapers Cat 657G	4	8	750	600	0.48	74	6.63	52.70	46.86	3.18		3.18	2.93		2.93	0.10	10183.01	3.12	0.26		452.55	6.00	46.82	40.12	2.76		2.76	2.54		2.54	0.10	10017.29	3.12	0.26	
4	2	a	4-2-a	4-2-aDozer D9T	4	8	500	354	0.43	80	4.12	32.97	28.22	2.08		2.08	1.92		1.92	0.05	5380.35	1.65	0.14		239.11	3.68	28.67	25.51	1.81		1.81	1.67		1.67	0.05	5284.92	1.64	0.14	
4	2	a	4-2-a	4-2-aCat 140M3 Grader	2	4	250	200	0.41	30	0.57	4.45	2.09	0.26		0.26	0.24		0.24	0.01	726.30	0.22	0.02		32.28	0.55	4.25	2.04	0.25		0.25	0.23		0.23	0.01	714.24	0.22	0.02	
4	2	a	4-2-a	4-2-aCat 374 F L	2	2	500	472	0.38	74	0.32	2.44	1.91	0.13		0.13	0.12		0.12	0.01	789.73	0.24	0.02		35.10	0.28	2.00	1.81	0.11		0.11	0.10		0.10	0.01	777.47	0.24	0.02	
4	2	a	4-2-a	4-2-a825 Compactors	4	8	500	354	0.43	74	4.12	32.97	28.22	2.08		2.08	1.92		1.92	0.05	5380.35	1.65	0.14		239.11	3.68	28.67	25.51	1.81		1.81	1.67		1.67	0.05	5284.92	1.64	0.14	
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	30	2.09	14.40	11.21	0.87		0.87	0.80		0.80	0.03	3215.34	0.98	0.08		142.90	1.84	12.13	10.00	0.72		0.72	0.67		0.67	0.03	3164.49	0.98	0.08	
4	2	a	4-2-a	4-2-aWheel Loader 986 H	2	8	500	409	0.36	30	1.93	13.59	10.75	0.84		0.84	0.77		0.77	0.03	2569.54	0.79	0.07		114.19	1.74	11.91	9.75	0.73		0.73	0.67		0.67	0.03	2529.32	0.79	0.06	
4	2	b	4-2-b	4-2-bKomatsu PC360LC	2	8	500	472	0.38	37	1.27	9.76	7.62	0.52		0.52	0.47		0.47	0.03	3158.90	0.97	0.08		140.39	1.11	7.98	7.25	0.42		0.42	0.39		0.39	0.03	3109.90	0.97	0.08	
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	101	1.24	10.87	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	8.01	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09	
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	101	0.90	9.55	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	0.76	8.25	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04	
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	98	1.10	7.36	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	6.59	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07	
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	60	0.63	6.17	7.81	0.48		0.48	0.44		0.44	0.01	1272.16	0.39	0.03		56.54	0.55	5.32	7.75	0.41		0.41	0.38		0.38	0.01	1252.67	0.39	0.03	
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	10	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	20	1.47	9.81	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	8.79	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	4	8	500	282	0.29	190	2.35	18.36	20.33	1.22		1.22	1.12		1.12	0.03	2856.86	0.88	0.07		126.96	2.12	16.26	18.27	1.07		1.07	0.99		0.99	0.03	2813.60	0.88	0.07	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	190	0.59	4.59	5.08	0.30		0.30	0.28		0.28	0.01	714.21	0.22	0.02		31.74	0.53	4.06	4.57	0.27		0.27	0.25		0.25	0.01	703.40	0.22	0.02	
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	59	0.90	9.55	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	0.76	8.25	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04	
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	59	1.24	10.87	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	8.01	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09	
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	59	1.47	9.81	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	8.79	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09	
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	51	1.10	7.36	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	6.59	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07	
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	44	0.63	6.17	7.81	0.48		0.48	0.44		0.44	0.01	1272.16	0.39	0.03		56.54	0.55	5.32	7.75	0.41		0.41	0.38		0.38	0.01	1252.67	0.39	0.03	
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	11	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	25	1.47	9.81	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	8.79	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09	
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	2	8	500	282	0.29	200	1.18	9.18	10.17	0.61		0.61	0.56		0.56	0.01	1428.43	0.44	0.04		63.48	1.06	8.13	9.13	0.54		0.54	0.49		0.49	0.01	1406.80	0.44	0.04	
4	4	a	4-4-a	4-4-aScrapers Cat 657G	3	8	750	600	0.48	25	4.97	39.53	35.14	2.39		2.39	2.19		2.19	0.08	7637.25	2.34	0.20		339.41	4.50	35.12	30.09	2.07		2.07	1.90		1.90	0.08	7512.97	2.34	0.19	
4	4	a	4-4-a	4-4-aDozer D9T	3	8	500	354	0.43	30	3.09	24.73	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	21.50	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10	
4	4	a	4-4-a	4-4-aCat 140M3 Grader	1	4	250	200	0.41	10	0.29	2.23	1.04	0.13		0.13	0.12		0.12	0.00	363.15	0.11	0.01		16.14	0.28	2.12	1.02	0.12		0.12	0.11		0.11	0.00	357.12	0.11	0.01	
4	4	a	4-4-a	4-4-aCat 374 F L	1	2	500	472	0.38	25	0.16	1.22	0.95	0.06		0.06	0.06		0.06	0.00	394.86	0.12	0.01		17.55	0.14	1.00	0.91	0.05		0.05	0.05		0.05	0.00	388.74	0.12	0.01	
4	4	a	4-4-a	4-4-a825 Compactors	2	8	500	354	0.43	25	2.06	16.48	14.11	1.04		1.04	0.96		0.96	0.03	2690.18	0.82	0.07		119.56	1.84	14.33	12.76	0.91		0.91	0.83		0.83	0.03	2642.46	0.82	0.07	
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	1	8	500	476	0.38	10	1.04	7.20	5.60	0.44		0.44	0.40		0.40	0.02	1607.67	0.49	0.04		71.45	0.92	6.06	5.00	0.36		0.36	0.33		0.33	0.02	1582.24	0.49	0.04	
4	4	a	4-4-a	4-4-aWheel Loader 986 H	1	8	500	409	0.36	10	0.96	6.79	5.38	0.42		0.42	0.38		0.38	0.01	1284.77	0.39	0.03		57.10	0.87	5.95	4.88	0.36		0.36	0.33		0.33	0.01	1264.66	0.39	0.03	
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	58	0.90	9.55	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	0.76	8.25	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04	
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	58	1.24	10.87	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	8.01	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09	
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	58	1.47	9.81	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	8.79	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09	
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	65	1.10	7.36	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	6.59	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07	
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	33	0.63	6.17	7.81	0.48		0.48	0.44		0.44	0.01	1272.16	0.39	0.03		56.54	0.55	5.32	7.75	0.41		0.41	0.38		0.38	0.01	1252.67	0.39	0.03	
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	33	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	20	1.47	9.81	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	8.79	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09	
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	3	8	500	282	0.29	208	1.76	13.77	15.25	0.91		0.91	0.84		0.84	0.02	2142.64	0.66	0.05		95.22	1.59	12.19	13.70	0.80		0.80	0.74		0.74	0.02	2110.20	0.66	0.05	
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	4	8	750	600	0.48	50	6.63	52.70	46.86	3.18		3.18	2.93		2.93	0.10	10183.01	3.12	0.26		452.55	6.00	46.82	40.12	2.76		2.76	2.54		2.54	0.10	10017.29	3.12	0.26	
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	4	8	500	354	0.43	55	4.12	32.97	28.22	2.08		2.08	1.92		1.92	0.05	5380.35	1.65	0.14		239.11	3.68	28.67	25.51	1.81		1.81	1.67		1.67	0.05	5284.92	1.64	0.14	
3	2	a	3-2-a	3-2-aScrapers Cat 657	2	8	750	600	0.48	10	3.32	26.35	23.43	1.59		1.59	1.46		1.46	0.05	5091.50	1.56	0.13		226.27	3.00	23.41	20.06	1.38		1.38	1.27		1.27	0.05	5008.65	1.56	0.13	
3	2	a	3-2-a	3-2-aDozer D9T	2	8	500	354	0.43	15	2.06	16.48	14.11	1.04		1.04	0.96		0.96	0.03	2690.18	0.82	0.07		119.56	1.84	14.33	12.76	0.91		0.91	0.83		0.83	0.03	2642.46	0.82	0.07	
3	2	a	3-2-a	3-2-aCat 140M3 Grader	2	4	250	200	0.41	10	0.57	4.45	2.09	0.26		0.26	0.24		0.24	0.01	726.30	0.22	0.02		32.28	0.55	4.25	2.04	0.25		0.25	0.23		0.23	0.01	714.24	0.22	0.02	
3	2	a	3-2-a	3-2-aCat 374 F L	2	2	500	472	0.38	10	0.32	2.44	1.91	0.13		0.13	0.12		0.12	0.01	789.73	0.24	0.02		35.10	0.28	2.00	1.81	0.11		0.11	0.10		0.10	0.01	777.47	0.24	0.02	
3	2	a	3-2-a	3-2-a825 Compactors	2	8	500	354	0.43	10	2.06	16.48	14.11	1.04		1.04	0.96		0.96	0.03	2690.18	0.82	0.07		119.56	1.84	14.33	12.76	0.91		0.91	0.83		0.83	0.03	2642.46	0.82	0.07	
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	5	2.09	14.40	11.21	0.87		0.87	0.80		0.80	0.03	3215.34	0.98	0.08		142.90	1.84	12.13	10.00	0.72		0.72	0.67		0.67	0.03	3164.49	0.98	0.08	
3	2	a	3-2-a	3-2-aWheel Loader 986 H	2	8	500	409	0.36	5	1.93	13.59	10.75	0.84		0.84	0.77		0.77	0.03	2569.54	0.79	0.07		114.19	1.74	11.91	9.75	0.73		0.73	0.67		0.67	0.03	2529.32	0.79	0.06	
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	58	0.90	9.55	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	0.76	8.25	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04	
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	58	1.24	10.87	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	8.01	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09	
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	58	1.47	9.81	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	8.79	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09	
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	64	1.10	7.36	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	6.59	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07	
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	34	0.63	6.17	7.81	0.48		0.48	0.44		0.44	0.01	1272.16	0.39	0.03		56.54	0.55	5.32	7.75	0.41		0.41	0.38		0.38	0.01	1252.67	0.39	0.03	
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	34	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	45	2.93	19.62	13.03	0.97		0.97	0.97		0.97	0.06	6972.05	0.26	0.18		309.85	2.77	17.57	12.77	0.87		0.87	0.87		0.87	0.06	6972.05	0.25	0.18	
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	2	8	500	282	0.29	208	1.18	9.18	10.17	0.61		0.61	0.56		0.56	0.01	1428.43	0.44	0.04		63.48	1.06	8.13	9.13	0.54		0.54	0.49		0.49	0.01	1406.80	0.44	0.04	
1	6	a	1-6-a	1-6-aScrapers Cat 657	3	8	750	600	0.48	20	4.97	39.53	35.14	2.39		2.39	2.19		2.19	0.08	7637.25	2.34	0.20		339.41	4.50	35.12	30.09	2.07		2.07	1.90		1.90	0.08	7512.97	2.34	0.19	
1	6	a	1-6-a	1-6-aDozer D9T	3	8	500	354	0.43	25	3.09	24.73	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	21.50	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10	
1	6	a	1-6-a	1-6-aCat 140M3 Grader	2	4	250	200	0.41	10	0.57	4.45	2.09	0.26		0.26	0.24		0.24	0.01	726.30	0.22	0.02		32.28	0.55	4.25	2.04	0.25		0.25	0.23		0.23	0.01	714.24	0.22	0.02	
1	6	a	1-6-a	1-6-aCat 374 F L	1	2	500	472	0.38	10	0.16	1.22	0.95	0.06		0.06	0.06		0.06	0.00	394.86	0.12	0.01		17.55	0.14	1.00	0.91	0.05		0.05	0.05		0.05	0.00	388.74	0.12	0.01	
1	6	a	1-6-a	1-6-a825 Compactors	3	8	500	354	0.43	20	3.09	24.73	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	21.50	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10	
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	10	2.09	14.40	11.21	0.87		0.87	0.80		0.80	0.03	3215.34	0.98	0.08		142.90	1.84	12.13	10.00	0.72		0.72	0.67		0.67	0.03	3164.49	0.98	0.08	
1	6	a	1-6-a	1-6-aWheel Loader 986 H	2	8	500	409	0.36	10	1.93	13.59	10.75	0.84		0.84	0.77		0.77	0.03	2569.54	0.79	0.07		114.19	1.74	11.91	9.75	0.73		0.73	0.67		0.67	0.03	2529.32	0.79	0.06	
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	55	0.90	9.55	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	0.76	8.25	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04	
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	55	1.24	10.87	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	8.01	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09	
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	55	1.47	9.81	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	8.79	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09	
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	70	1.10	7.36	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	6.59	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07	
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	23	0.63	6.17	7.81	0.48		0.48	0.44		0.44	0.01	1272.16	0.39	0.03		56.54	0.55	5.32	7.75	0.41		0.41	0.38		0.38	0.01	1252.67	0.39	0.03	
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	23	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	45	2.93	19.62	13.03	0.97		0.97	0.97		0.97	0.06	6972.05	0.26	0.18		309.85	2.77	17.57	12.77	0.87		0.87	0.87		0.87	0.06	6972.05	0.25	0.18	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	3	8	500	282	0.29	198	1.76	13.77	15.25	0.91		0.91	0.84		0.84	0.02	2142.64	0.66	0.05		95.22	1.59	12.19	13.70	0.80		0.80	0.74		0.74	0.02	2110.20	0.66	0.05	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	198	0.59	4.59	5.08	0.30		0.30	0.28		0.28	0.01	714.21	0.22	0.02		31.74	0.53	4.06	4.57	0.27		0.27	0.25		0.25	0.01	703.40	0.22	0.02	
2	7	a	2-7-a	2-7-aScrapers Cat 657	3	8	750	600	0.48	10	4.97	39.53	35.14	2.39		2.39	2.19		2.19	0.08	7637.25	2.34	0.20		339.41	4.50	35.12	30.09	2.07		2.07	1.90		1.90	0.08	7512.97	2.34	0.19	
2	7	a	2-7-a	2-7-aDozer D9T	3	8	500	354	0.43	15	3.09	24.73	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	21.50	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10	
2	7	a	2-7-a	2-7-aCat 140M3 Grader	2	4	250	200	0.41	7	0.57	4.45	2.09	0.26		0.26	0.24		0.24	0.01	726.30	0.22	0.02		32.28	0.55	4.25	2.04	0.25		0.25	0.23		0.23	0.01	714.24	0.22	0.02	
2	7	a	2-7-a	2-7-aCat 374 F L	1	2	500	472	0.38	5	0.16	1.22	0.95	0.06		0.06	0.06		0.06	0.00	394.86	0.12	0.01		17.55	0.14	1.00	0.91	0.05		0.05	0.05		0.05	0.00	388.74	0.12	0.01	
2	7	a	2-7-a	2-7-a825 Compactors	3	8	500	354	0.43	10	3.09	24.73	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	21.50	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10	
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	5	2.09	14.40	11.21	0.87		0.87	0.80		0.80	0.03	3215.34	0.98	0.08		142.90	1.84	12.13	10.00	0.72		0.72	0.67		0.67	0.03	3164.49	0.98	0.08	
2	7	a	2-7-a	2-7-aWheel Loader 986 H	2	8	500	409	0.36	5	1.93	13.59	10.75	0.84		0.84	0.77		0.77	0.03	2569.54	0.79	0.07		114.19	1.74	11.91	9.75	0.73		0.73	0.67		0.67	0.03	2529.32	0.79	0.06	
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	55	0.90	9.55	13.03	1.25		1.25	1.15		1.15	0.02	1731.92	0.53	0.04		76.97	0.76	8.25	12.72	1.01		1.01	0.93		0.93	0.02	1702.05	0.53	0.04	
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	55	1.24	10.87	8.39	0.54		0.54	0.50		0.50	0.04	3669.86	1.12	0.09		163.09	1.01	8.01	7.74	0.39		0.39	0.36		0.36	0.04	3641.57	1.13	0.09	
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	55	1.47	9.81	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	8.79	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09	
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	55	1.10	7.36	4.89	0.36		0.36	0.36		0.36	0.02	2614.52	0.10	0.07		116.19	1.04	6.59	4.79	0.33		0.33	0.33		0.33	0.02	2614.52	0.09	0.07	
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	42	0.63	6.17	7.81	0.48		0.48	0.44		0.44	0.01	1272.16	0.39	0.03		56.54	0.55	5.32	7.75	0.41		0.41	0.38		0.38	0.01	1252.67	0.39	0.03	
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	42	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	35	1.47	9.81	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	8.79	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	2	8	500	282	0.29	198	1.18	9.18	10.17	0.61		0.61	0.56		0.56	0.01	1428.43	0.44	0.04		63.48	1.06	8.13	9.13	0.54		0.54	0.49		0.49	0.01	1406.80	0.44	0.04	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	198	0.59	4.59	5.08	0.30		0.30	0.28		0.28	0.01	714.21	0.22	0.02		31.74	0.53	4.06	4.57	0.27		0.27	0.25		0.25	0.01	703.40	0.22	0.02	
2	8	a	2-8-a	2-8-aScrapers Cat 657	3	8	750	600	0.48	10	4.97	39.53	35.14	2.39		2.39	2.19		2.19	0.08	7637.25	2.34	0.20		339.41	4.50	35.12	30.09	2.07		2.07	1.90		1.90	0.08	7512.97	2.34	0.19	
2	8	a	2-8-a	2-8-aDozer D9T	3	8	500	354	0.43	15	3.09	24.73	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	21.50	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10	
2	8	a	2-8-a	2-8-aCat 140M3 Grader	2	4	250	200	0.41	7	0.57	4.45	2.09	0.26		0.26	0.24		0.24	0.01	726.30	0.22	0.02		32.28	0.55	4.25	2.04	0.25		0.25	0.23		0.23	0.01	714.24	0.22	0.02	
2	8	a	2-8-a	2-8-aCat 374 F L	1	2	500	472	0.38	5	0.16	1.22	0.95	0.06		0.06	0.06		0.06	0.00	394.86	0.12	0.01		17.55	0.14	1.00	0.91	0.05		0.05	0.05		0.05	0.00	388.74	0.12	0.01	
2	8	a	2-8-a	2-8-a825 Compactors	3	8	500	354	0.43	10	3.09	24.73	21.16	1.56		1.56	1.44		1.44	0.04	4035.27	1.24	0.10		179.33	2.76	21.50	19.13	1.36		1.36	1.25		1.25	0.04	3963.69	1.23	0.10	
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	5	2.09	14.40	11.21	0.87		0.87	0.80		0.80	0.03	3215.34	0.98	0.08		142.90	1.84	12.13	10.00	0.72		0.72	0.67		0.67	0.03	3164.49	0.98	0.08	
2	8	a	2-8-a	2-8-aWheel Loader 986 H	2	8	500	409	0.36	5	1.93	13.59	10.75	0.84		0.84	0.77		0.77	0.03	2569.54	0.79	0.07		114.19	1.74	11.91	9.75	0.73		0.73	0.67		0.67	0.03	2529.32	0.79	0.06	
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	3	8	120	106	0.37	57	0.54	5.73	7.82	0.75		0.75	0.69		0.69	0.01	1039.15	0.32	0.03		46.18	0.45	4.95	7.63	0.61		0.61	0.56		0.56	0.01	1021.23	0.32	0.03	
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	57	1.47	9.81	6.51	0.48		0.48	0.48		0.48	0.03	3486.03	0.13	0.09		154.92	1.39	8.79	6.39	0.44		0.44	0.44		0.44	0.03	3486.03	0.12	0.09	
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	1	8	500	282	0.50	57	0.41	3.62	2.80	0.18		0.18	0.17		0.17	0.01	1223.29	0.37	0.03		54.36	0.34	2.67	2.58	0.13		0.13	0.12		0.12	0.01	1213.86	0.38	0.03	
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	55	2.93	19.62	13.03	0.97		0.97	0.97		0.97	0.06	6972.05	0.26	0.18		309.85	2.77	17.57	12.77	0.87		0.87	0.87		0.87	0.06	6972.05	0.25	0.18	
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	38	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	5	4	175	174	0.42	38	0.78	7.72	9.76	0.60		0.60	0.55		0.55	0.02	1590.20	0.49	0.04		70.67	0.68	6.64	9.69	0.51		0.51	0.47		0.47	0.02	1565.84	0.49	0.04	
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	40	2.93	19.62	13.03	0.97		0.97	0.97		0.97	0.06	6972.05	0.26	0.18		309.85	2.77	17.57	12.77	0.87		0.87	0.87		0.87	0.06	6972.05	0.25	0.18	
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	170	0.59	4.59	5.08	0.30		0.30	0.28		0.28	0.01	714.21	0.22	0.02		31.74	0.53	4.06	4.57	0.27		0.27	0.25		0.25	0.01	703.40	0.22	0.02	

Construction - Mitigated Tier 3 and 4.

Equipment Emission Calcs

					Gal/Day	Pounds per day														Gal/Day	Pounds per day														Gal/Day				
					2019															2020																			
Parcel	Phase	Activity	Sch Code	lookup for daily	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex
5	1	a	5-1-a	5-1-aScrapers Cat 657G	333.89	4.24	32.16	28.01	1.89		1.89	1.74		1.74	0.08	7390.74	2.34	0.19		328.46	4.02	29.30	26.42	1.73		1.73	1.60		1.60	0.08	7225.06	2.34	0.19		321.09	3.83	27.06	25.39	1.61
5	1	a	5-1-a	5-1-aDozer D9T	117.44	1.71	12.89	11.88	0.82		0.82	0.75		0.75	0.03	2601.52	0.82	0.07		115.62	1.61	11.87	11.18	0.75		0.75	0.69		0.69	0.03	2544.60	0.82	0.07		113.09	1.52	10.74	10.84	0.69
5	1	a	5-1-a	5-1-aExcavator 374 FL	34.55	0.26	1.73	1.77	0.09		0.09	0.08		0.08	0.01	764.97	0.24	0.02		34.00	0.24	1.53	1.75	0.08		0.08	0.08		0.08	0.01	747.58	0.24	0.02		33.22	0.23	1.30	1.73	0.07
5	1	a	5-1-a	5-1-a825 Compactors	117.44	1.71	12.89	11.88	0.82		0.82	0.75		0.75	0.03	2601.52	0.82	0.07		115.62	1.61	11.87	11.18	0.75		0.75	0.69		0.69	0.03	2544.60	0.82	0.07		113.09	1.52	10.74	10.84	0.69
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	45.39	0.40	4.40	7.52	0.51		0.51	0.47		0.47	0.01	1004.14	0.32	0.03		44.63	0.36	3.96	7.44	0.43		0.43	0.40		0.40	0.01	982.03	0.32	0.03		43.64	0.32	3.57	7.38	0.36
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	107.89	0.65	4.75	5.17	0.24		0.24	0.22		0.22	0.02	2384.51	0.75	0.06		105.97	0.62	4.31	5.06	0.22		0.22	0.20		0.20	0.02	2333.41	0.75	0.06		103.70	0.58	3.74	5.07	0.20
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.98	5.87	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	5.18	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	4.46	4.63	0.23
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	55.67	0.48	4.60	7.68	0.35		0.35	0.33		0.33	0.01	1232.45	0.39	0.03		54.77	0.44	4.14	7.67	0.32		0.32	0.29		0.29	0.01	1205.38	0.39	0.03		53.57	0.41	3.82	7.69	0.29
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	31.43	1.41	5.66	6.57	0.36		0.36	0.36		0.36	0.01	707.23	0.13	0.02		31.43	1.25	5.47	6.43	0.31		0.31	0.31		0.31	0.01	707.23	0.11	0.02		31.43	1.10	5.25	6.25	0.26
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	1.31	7.83	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	6.91	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	5.95	6.18	0.31
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	31.26	0.50	3.77	4.25	0.25		0.25	0.23		0.23	0.01	692.30	0.22	0.02		30.77	0.46	3.39	3.81	0.22		0.22	0.20		0.20	0.01	677.13	0.22	0.02		30.09	0.42	3.02	3.51	0.20
4	2	a	4-2-a	4-2-aScrapers Cat 657G	445.19	5.65	42.89	37.35	2.52		2.52	2.31		2.31	0.10	9854.32	3.12	0.25		437.94	5.35	39.07	35.22	2.31		2.31	2.13		2.13	0.10	9633.41	3.12	0.25		428.12	5.11	36.09	33.85	2.15
4	2	a	4-2-a	4-2-aDozer D9T	234.87	3.41	25.79	23.77	1.64		1.64	1.51		1.51	0.05	5203.04	1.65	0.13		231.23	3.23	23.74	22.35	1.51		1.51	1.39		1.39	0.05	5089.20	1.65	0.13		226.17	3.03	21.48	21.68	1.38
4	2	a	4-2-a	4-2-aCat 140M3 Grader	31.74	0.52	3.92	1.96	0.23		0.23	0.21		0.21	0.01	701.11	0.22	0.02		31.16	0.51	3.77	1.93	0.22		0.22	0.20		0.20	0.01	685.22	0.22	0.02		30.45	0.48	3.53	1.88	0.20
4	2	a	4-2-a	4-2-aCat 374 F L	34.55	0.26	1.73	1.77	0.09		0.09	0.08		0.08	0.01	764.97	0.24	0.02		34.00	0.24	1.53	1.75	0.08		0.08	0.08		0.08	0.01	747.58	0.24	0.02		33.22	0.23	1.30	1.73	0.07
4	2	a	4-2-a	4-2-a825 Compactors	234.87	3.41	25.79	23.77	1.64		1.64	1.51		1.51	0.05	5203.04	1.65	0.13		231.23	3.23	23.74	22.35	1.51		1.51	1.39		1.39	0.05	5089.20	1.65	0.13		226.17	3.03	21.48	21.68	1.38
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	140.64	1.69	10.47	9.51	0.62		0.62	0.57		0.57	0.03	3112.40	0.98	0.08		138.32	1.58	9.21	9.07	0.55		0.55	0.50		0.50	0.03	3043.12	0.98	0.08		135.24	1.44	7.67	8.58	0.46
4	2	a	4-2-a	4-2-aWheel Loader 986 H	112.41	1.60	10.50	9.00	0.64		0.64	0.59		0.59	0.03	2490.02	0.79	0.06		110.66	1.51	9.64	8.51	0.59		0.59	0.54		0.54	0.03	2436.47	0.79	0.06		108.28	1.38	8.34	7.98	0.51
4	2	b	4-2-b	4-2-bKomatsu PC360LC	138.21	1.03	6.93	7.08	0.37		0.37	0.34		0.34	0.03	3059.88	0.97	0.08		135.99	0.98	6.12	7.00	0.33		0.33	0.30		0.30	0.03	2990.31	0.97	0.08		132.89	0.91	5.18	6.92	0.28
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	161.84	0.97	7.12	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	6.47	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	5.60	7.61	0.31
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	75.64	0.66	7.34	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	0.59	6.61	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	0.53	5.95	12.30	0.61
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.98	5.87	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	5.18	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	4.46	4.63	0.23
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	55.67	0.48	4.60	7.68	0.35		0.35	0.33		0.33	0.01	1232.45	0.39	0.03		54.77	0.44	4.14	7.67	0.32		0.32	0.29		0.29	0.01	1205.38	0.39	0.03		53.57	0.41	3.82	7.69	0.29
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	1.31	7.83	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	6.91	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	5.95	6.18	0.31
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	125.04	2.00	15.07	17.02	0.99		0.99	0.91		0.91	0.03	2769.18	0.88	0.07		123.07	1.84	13.55	15.25	0.89		0.89	0.82		0.82	0.03	2708.52	0.88	0.07		120.37	1.69	12.08	14.03	0.79
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	31.26	0.50	3.77	4.25	0.25		0.25	0.23		0.23	0.01	692.30	0.22	0.02		30.77	0.46	3.39	3.81	0.22		0.22	0.20		0.20	0.01	677.13	0.22	0.02		30.09	0.42	3.02	3.51	0.20
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	75.64	0.66	7.34	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	0.59	6.61	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	0.53	5.95	12.30	0.61
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	161.84	0.97	7.12	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	6.47	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	5.60	7.61	0.31
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	1.31	7.83	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	6.91	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	5.95	6.18	0.31
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.98	5.87	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	5.18	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	4.46	4.63	0.23
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	55.67	0.48	4.60	7.68	0.35		0.35	0.33		0.33	0.01	1232.45	0.39	0.03		54.77	0.44	4.14	7.67	0.32		0.32	0.29		0.29	0.01	1205.38	0.39	0.03		53.57	0.41	3.82	7.69	0.29
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	1.31	7.83	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	6.91	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	5.95	6.18	0.31
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	62.52	1.00	7.54	8.51	0.50		0.50	0.46		0.46	0.01	1384.59	0.44	0.04		61.53	0.92	6.78	7.62	0.44		0.44	0.41		0.41	0.01	1354.26	0.44	0.03		60.19	0.85	6.04	7.02	0.40
4	4	a	4-4-a	4-4-aScrapers Cat 657G	333.89	4.24	32.16	28.01	1.89		1.89	1.74		1.74	0.08	7390.74	2.34	0.19		328.46	4.02	29.30	26.42	1.73		1.73	1.60		1.60	0.08	7225.06	2.34	0.19		321.09	3.83	27.06	25.39	1.61
4	4	a	4-4-a	4-4-aDozer D9T	176.15	2.56	19.34	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	17.81	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	16.11	16.26	1.04
4	4	a	4-4-a	4-4-aCat 140M3 Grader	15.87	0.26	1.96	0.98	0.11		0.11	0.10		0.10	0.00	350.56	0.11	0.01		15.58	0.25	1.89	0.97	0.11		0.11	0.10		0.10	0.00	342.61	0.11	0.01		15.23	0.24	1.77	0.94	0.10
4	4	a	4-4-a	4-4-aCat 374 F L	17.28	0.13	0.87	0.89	0.05		0.05	0.04		0.04	0.00	382.48	0.12	0.01		17.00	0.12	0.76	0.88	0.04		0.04	0.04		0.04	0.00	373.79	0.12	0.01		16.61	0.11	0.65	0.86	0.04
4	4	a	4-4-a	4-4-a825 Compactors	117.44	1.71	12.89	11.88	0.82		0.82	0.75		0.75	0.03	2601.52	0.82	0.07		115.62	1.61	11.87	11.18	0.75		0.75	0.69		0.69	0.03	2544.60	0.82	0.07		113.09	1.52	10.74	10.84	0.69
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	70.32	0.84	5.24	4.76	0.31		0.31	0.29		0.29	0.02	1556.20	0.49	0.04		69.16	0.79	4.61	4.53	0.27		0.27	0.25		0.25	0.02	1521.56	0.49	0.04		67.62	0.72	3.83	4.29	0.23
4	4	a	4-4-a	4-4-aWheel Loader 986 H	56.20	0.80	5.25	4.50	0.32		0.32	0.29		0.29	0.01	1245.01	0.39	0.03		55.33	0.75	4.82	4.26	0.29		0.29	0.27		0.27	0.01	1218.24	0.39	0.03		54.14	0.69	4.17	3.99	0.25
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	75.64	0.66	7.34	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	0.59	6.61	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	0.53	5.95	12.30	0.61
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	161.84	0.97	7.12	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	6.47	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	5.60	7.61	0.31
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	1.31	7.83	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	6.91	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	5.95	6.18	0.31
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.98	5.87	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	5.18	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	4.46	4.63	0.23
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	55.67	0.48	4.60	7.68	0.35		0.35	0.33		0.33	0.01	1232.45	0.39	0.03		54.77	0.44	4.14	7.67	0.32		0.32	0.29		0.29	0.01	1205.38	0.39	0.03		53.57	0.41	3.82	7.69	0.29
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	1.31	7.83	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	6.91	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	5.95	6.18	0.31
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	93.78	1.50	11.31	12.76	0.74		0.74	0.68		0.68	0.02	2076.89	0.66	0.05		92.30	1.38	10.16	11.44	0.67		0.67	0.61		0.61	0.02	2031.39	0.66	0.05		90.28	1.27	9.06	10.52	0.60
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	445.19	5.65	42.89	37.35	2.52		2.52	2.31		2.31	0.10	9854.32	3.12	0.25		437.94	5.35	39.07	35.22	2.31		2.31	2.13		2.13	0.10	9633.41	3.12	0.25		428.12	5.11	36.09	33.85	2.15
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	234.87	3.41	25.79	23.77	1.64		1.64	1.51		1.51	0.05	5203.04	1.65	0.13		231.23	3.23	23.74	22.35	1.51		1.51	1.39		1.39	0.05	5089.20	1.65	0.13		226.17	3.03	21.48	21.68	1.38
3	2	a	3-2-a	3-2-aScrapers Cat 657	222.59	2.83	21.44	18.67	1.26		1.26	1.16		1.16	0.05	4927.16	1.56	0.13		218.97	2.68	19.54	17.61	1.16		1.16	1.06		1.06	0.05	4816.71	1.56	0.12		214.06	2.56	18.04	16.92	1.08
3	2	a	3-2-a	3-2-aDozer D9T	117.44	1.71	12.89	11.88	0.82		0.82	0.75		0.75	0.03	2601.52	0.82	0.07		115.62	1.61	11.87	11.18	0.75		0.75	0.69		0.69	0.03	2544.60	0.82	0.07		113.09	1.52	10.74	10.84	0.69
3	2	a	3-2-a	3-2-aCat 140M3 Grader	31.74	0.52	3.92	1.96	0.23		0.23	0.21		0.21	0.01	701.11	0.22	0.02		31.16	0.51	3.77	1.93	0.22		0.22	0.20		0.20	0.01	685.22	0.22	0.02		30.45	0.48	3.53	1.88	0.20
3	2	a	3-2-a	3-2-aCat 374 F L	34.55	0.26	1.73	1.77	0.09		0.09	0.08		0.08	0.01	764.97	0.24	0.02		34.00	0.24	1.53	1.75	0.08		0.08	0.08		0.08	0.01	747.58	0.24	0.02		33.22	0.23	1.30	1.73	0.07
3	2	a	3-2-a	3-2-a825 Compactors	117.44	1.71	12.89	11.88	0.82		0.82	0.75		0.75	0.03	2601.52	0.82	0.07		115.62	1.61	11.87	11.18	0.75		0.75	0.69		0.69	0.03	2544.60	0.82	0.07		113.09	1.52	10.74	10.84	0.69
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	140.64	1.69	10.47	9.51	0.62		0.62	0.57		0.57	0.03	3112.40	0.98	0.08		138.32	1.58	9.21	9.07	0.55		0.55	0.50		0.50	0.03	3043.12	0.98	0.08		135.24	1.44	7.67	8.58	0.46
3	2	a	3-2-a	3-2-aWheel Loader 986 H	112.41	1.60	10.50	9.00	0.64		0.64	0.59		0.59	0.03	2490.02	0.79	0.06		110.66	1.51	9.64	8.51	0.59		0.59	0.54		0.54	0.03	2436.47	0.79	0.06		108.28	1.38	8.34	7.98	0.51
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	75.64	0.66	7.34	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	0.59	6.61	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	0.53	5.95	12.30	0.61
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	161.84	0.97	7.12	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	6.47	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	5.60	7.61	0.31
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	1.31	7.83	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	6.91	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	5.95	6.18	0.31
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.98	5.87	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	5.18	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	4.46	4.63	0.23
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	55.67	0.48	4.60	7.68	0.35		0.35	0.33		0.33	0.01	1232.45	0.39	0.03		54.77	0.44	4.14	7.67	0.32		0.32	0.29		0.29	0.01	1205.38	0.39	0.03		53.57	0.41	3.82	7.69	0.29
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	2.63	15.65	12.60	0.79		0.79	0.79		0.79	0.06	6972.07	0.23	0.18		309.85	2.49	13.83	12.48	0.70		0.70	0.70		0.70	0.06	6972.07	0.22	0.18		309.85	2.32	11.90	12.35	0.61
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	62.52	1.00	7.54	8.51	0.50		0.50	0.46		0.46	0.01	1384.59	0.44	0.04		61.53	0.92	6.78	7.62	0.44		0.44	0.41		0.41	0.01	1354.26	0.44	0.03		60.19	0.85	6.04	7.02	0.40
1	6	a	1-6-a	1-6-aScrapers Cat 657	333.89	4.24	32.16	28.01	1.89		1.89	1.74		1.74	0.08	7390.74	2.34	0.19		328.46	4.02	29.30	26.42	1.73		1.73	1.60		1.60	0.08	7225.06	2.34	0.19		321.09	3.83	27.06	25.39	1.61
1	6	a	1-6-a	1-6-aDozer D9T	176.15	2.56	19.34	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	17.81	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	16.11	16.26	1.04
1	6	a	1-6-a	1-6-aCat 140M3 Grader	31.74	0.52	3.92	1.96	0.23		0.23	0.21		0.21	0.01	701.11	0.22	0.02		31.16	0.51	3.77	1.93	0.22		0.22	0.20		0.20	0.01	685.22	0.22	0.02		30.45	0.48	3.53	1.88	0.20
1	6	a	1-6-a	1-6-aCat 374 F L	17.28	0.13	0.87	0.89	0.05		0.05	0.04		0.04	0.00	382.48	0.12	0.01		17.00	0.12	0.76	0.88	0.04		0.04	0.04		0.04	0.00	373.79	0.12	0.01		16.61	0.11	0.65	0.86	0.04
1	6	a	1-6-a	1-6-a825 Compactors	176.15	2.56	19.34	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	17.81	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	16.11	16.26	1.04
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	140.64	1.69	10.47	9.51	0.62		0.62	0.57		0.57	0.03	3112.40	0.98	0.08		138.32	1.58	9.21	9.07	0.55		0.55	0.50		0.50	0.03	3043.12	0.98	0.08		135.24	1.44	7.67	8.58	0.46
1	6	a	1-6-a	1-6-aWheel Loader 986 H	112.41	1.60	10.50	9.00	0.64		0.64	0.59		0.59	0.03	2490.02	0.79	0.06		110.66	1.51	9.64	8.51	0.59		0.59	0.54		0.54	0.03	2436.47	0.79	0.06		108.28	1.38	8.34	7.98	0.51
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	75.64	0.66	7.34	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	0.59	6.61	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	0.53	5.95	12.30	0.61
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	161.84	0.97	7.12	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	6.47	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	5.60	7.61	0.31
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	1.31	7.83	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	6.91	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	5.95	6.18	0.31
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.98	5.87	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	5.18	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	4.46	4.63	0.23
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	55.67	0.48	4.60	7.68	0.35		0.35	0.33		0.33	0.01	1232.45	0.39	0.03		54.77	0.44	4.14	7.67	0.32		0.32	0.29		0.29	0.01	1205.38	0.39	0.03		53.57	0.41	3.82	7.69	0.29
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	2.63	15.65	12.60	0.79		0.79	0.79		0.79	0.06	6972.07	0.23	0.18		309.85	2.49	13.83	12.48	0.70		0.70	0.70		0.70	0.06	6972.07	0.22	0.18		309.85	2.32	11.90	12.35	0.61
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	93.78	1.50	11.31	12.76	0.74		0.74	0.68		0.68	0.02	2076.89	0.66	0.05		92.30	1.38	10.16	11.44	0.67		0.67	0.61		0.61	0.02	2031.39	0.66	0.05		90.28	1.27	9.06	10.52	0.60
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	31.26	0.50	3.77	4.25	0.25		0.25	0.23		0.23	0.01	692.30	0.22	0.02		30.77	0.46	3.39	3.81	0.22		0.22	0.20		0.20	0.01	677.13	0.22	0.02		30.09	0.42	3.02	3.51	0.20
2	7	a	2-7-a	2-7-aScrapers Cat 657	333.89	4.24	32.16	28.01	1.89		1.89	1.74		1.74	0.08	7390.74	2.34	0.19		328.46	4.02	29.30	26.42	1.73		1.73	1.60		1.60	0.08	7225.06	2.34	0.19		321.09	3.83	27.06	25.39	1.61
2	7	a	2-7-a	2-7-aDozer D9T	176.15	2.56	19.34	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	17.81	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	16.11	16.26	1.04
2	7	a	2-7-a	2-7-aCat 140M3 Grader	31.74	0.52	3.92	1.96	0.23		0.23	0.21		0.21	0.01	701.11	0.22	0.02		31.16	0.51	3.77	1.93	0.22		0.22	0.20		0.20	0.01	685.22	0.22	0.02		30.45	0.48	3.53	1.88	0.20
2	7	a	2-7-a	2-7-aCat 374 F L	17.28	0.13	0.87	0.89	0.05		0.05	0.04		0.04	0.00	382.48	0.12	0.01		17.00	0.12	0.76	0.88	0.04		0.04	0.04		0.04	0.00	373.79	0.12	0.01		16.61	0.11	0.65	0.86	0.04
2	7	a	2-7-a	2-7-a825 Compactors	176.15	2.56	19.34	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	17.81	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	16.11	16.26	1.04
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	140.64	1.69	10.47	9.51	0.62		0.62	0.57		0.57	0.03	3112.40	0.98	0.08		138.32	1.58	9.21	9.07	0.55		0.55	0.50		0.50	0.03	3043.12	0.98	0.08		135.24	1.44	7.67	8.58	0.46
2	7	a	2-7-a	2-7-aWheel Loader 986 H	112.41	1.60	10.50	9.00	0.64		0.64	0.59		0.59	0.03	2490.02	0.79	0.06		110.66	1.51	9.64	8.51	0.59		0.59	0.54		0.54	0.03	2436.47	0.79	0.06		108.28	1.38	8.34	7.98	0.51
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	75.64	0.66	7.34	12.53	0.85		0.85	0.78		0.78	0.02	1673.57	0.53	0.04		74.38	0.59	6.61	12.41	0.72		0.72	0.67		0.67	0.02	1636.71	0.53	0.04		72.74	0.53	5.95	12.30	0.61
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	161.84	0.97	7.12	7.76	0.36		0.36	0.33		0.33	0.04	3576.77	1.13	0.09		158.96	0.93	6.47	7.59	0.33		0.33	0.31		0.31	0.04	3500.11	1.13	0.09		155.55	0.88	5.60	7.61	0.31
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	1.31	7.83	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	6.91	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	5.95	6.18	0.31
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.98	5.87	4.72	0.29		0.29	0.29		0.29	0.02	2614.52	0.09	0.07		116.19	0.93	5.18	4.68	0.26		0.26	0.26		0.26	0.02	2614.52	0.08	0.07		116.19	0.87	4.46	4.63	0.23
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	55.67	0.48	4.60	7.68	0.35		0.35	0.33		0.33	0.01	1232.45	0.39	0.03		54.77	0.44	4.14	7.67	0.32		0.32	0.29		0.29	0.01	1205.38	0.39	0.03		53.57	0.41	3.82	7.69	0.29
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	1.31	7.83	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	6.91	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	5.95	6.18	0.31
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	62.52	1.00	7.54	8.51	0.50		0.50	0.46		0.46	0.01	1384.59	0.44	0.04		61.53	0.92	6.78	7.62	0.44		0.44	0.41		0.41	0.01	1354.26	0.44	0.03		60.19	0.85	6.04	7.02	0.40
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	31.26	0.50	3.77	4.25	0.25		0.25	0.23		0.23	0.01	692.30	0.22	0.02		30.77	0.46	3.39	3.81	0.22		0.22	0.20		0.20	0.01	677.13	0.22	0.02		30.09	0.42	3.02	3.51	0.20
2	8	a	2-8-a	2-8-aScrapers Cat 657	333.89	4.24	32.16	28.01	1.89		1.89	1.74		1.74	0.08	7390.74	2.34	0.19		328.46	4.02	29.30	26.42	1.73		1.73	1.60		1.60	0.08	7225.06	2.34	0.19		321.09	3.83	27.06	25.39	1.61
2	8	a	2-8-a	2-8-aDozer D9T	176.15	2.56	19.34	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	17.81	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	16.11	16.26	1.04
2	8	a	2-8-a	2-8-aCat 140M3 Grader	31.74	0.52	3.92	1.96	0.23		0.23	0.21		0.21	0.01	701.11	0.22	0.02		31.16	0.51	3.77	1.93	0.22		0.22	0.20		0.20	0.01	685.22	0.22	0.02		30.45	0.48	3.53	1.88	0.20
2	8	a	2-8-a	2-8-aCat 374 F L	17.28	0.13	0.87	0.89	0.05		0.05	0.04		0.04	0.00	382.48	0.12	0.01		17.00	0.12	0.76	0.88	0.04		0.04	0.04		0.04	0.00	373.79	0.12	0.01		16.61	0.11	0.65	0.86	0.04
2	8	a	2-8-a	2-8-a825 Compactors	176.15	2.56	19.34	17.83	1.23		1.23	1.13		1.13	0.04	3902.28	1.23	0.10		173.42	2.42	17.81	16.77	1.13		1.13	1.04		1.04	0.04	3816.90	1.23	0.10		169.63	2.27	16.11	16.26	1.04
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	140.64	1.69	10.47	9.51	0.62		0.62	0.57		0.57	0.03	3112.40	0.98	0.08		138.32	1.58	9.21	9.07	0.55		0.55	0.50		0.50	0.03	3043.12	0.98	0.08		135.24	1.44	7.67	8.58	0.46
2	8	a	2-8-a	2-8-aWheel Loader 986 H	112.41	1.60	10.50	9.00	0.64		0.64	0.59		0.59	0.03	2490.02	0.79	0.06		110.66	1.51	9.64	8.51	0.59		0.59	0.54		0.54	0.03	2436.47	0.79	0.06		108.28	1.38	8.34	7.98	0.51
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	45.39	0.40	4.40	7.52	0.51		0.51	0.47		0.47	0.01	1004.14	0.32	0.03		44.63	0.36	3.96	7.44	0.43		0.43	0.40		0.40	0.01	982.03	0.32	0.03		43.64	0.32	3.57	7.38	0.36
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	1.31	7.83	6.30	0.39		0.39	0.39		0.39	0.03	3486.03	0.12	0.09		154.93	1.25	6.91	6.24	0.35		0.35	0.35		0.35	0.03	3486.03	0.11	0.09		154.93	1.16	5.95	6.18	0.31
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	53.95	0.32	2.37	2.59	0.12		0.12	0.11		0.11	0.01	1192.26	0.38	0.03		52.99	0.31	2.16	2.53	0.11		0.11	0.10		0.10	0.01	1166.70	0.38	0.03		51.85	0.29	1.87	2.54	0.10
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	2.63	15.65	12.60	0.79		0.79	0.79		0.79	0.06	6972.07	0.23	0.18		309.85	2.49	13.83	12.48	0.70		0.70	0.70		0.70	0.06	6972.07	0.22	0.18		309.85	2.32	11.90	12.35	0.61
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	69.59	0.60	5.75	9.60	0.44		0.44	0.41		0.41	0.02	1540.57	0.49	0.04		68.47	0.55	5.17	9.59	0.40		0.40	0.36		0.36	0.02	1506.73	0.49	0.04		66.96	0.51	4.78	9.61	0.36
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	2.63	15.65	12.60	0.79		0.79	0.79		0.79	0.06	6972.07	0.23	0.18		309.85	2.49	13.83	12.48	0.70		0.70	0.70		0.70	0.06	6972.07	0.22	0.18		309.85	2.32	11.90	12.35	0.61
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	31.26	0.50	3.77	4.25	0.25		0.25	0.23		0.23	0.01	692.30	0.22	0.02		30.77	0.46	3.39	3.81	0.22		0.22	0.20		0.20	0.01	677.13	0.22	0.02		30.09	0.42	3.02	3.51	0.20

Construction - Mitigated Tier 3 and 4.

Equipment Emission Calcs

2021 (Pounds per day; Fuel in Gal/Day)

Parcel	Phase	Activity	Sch Code	lookup for daily	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	1	a	5-1-a	5-1-aScrapers Cat 657G		1.61	1.48		1.48	0.08	7225.19	2.34	0.19		321.10
5	1	a	5-1-a	5-1-aDozer D9T		0.69	0.64		0.64	0.03	2540.59	0.82	0.07		112.91
5	1	a	5-1-a	5-1-aExcavator 374 FL		0.07	0.07		0.07	0.01	746.50	0.24	0.02		33.18
5	1	a	5-1-a	5-1-a825 Compactors		0.69	0.64		0.64	0.03	2540.59	0.82	0.07		112.91
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader		0.36	0.34		0.34	0.01	982.46	0.32	0.03		43.66
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig		0.20	0.19		0.19	0.02	2348.37	0.76	0.06		104.37
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.23	0.23		0.23	0.02	2614.52	0.08	0.07		116.19
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver		0.29	0.27		0.27	0.01	1204.82	0.39	0.03		53.54
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.26	0.26		0.26	0.01	707.23	0.10	0.02		31.43
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.31	0.31		0.31	0.03	3486.03	0.10	0.09		154.92
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane		0.20	0.18		0.18	0.01	676.98	0.22	0.02		30.09
4	2	a	4-2-a	4-2-aScrapers Cat 657G		2.15	1.98		1.98	0.10	9633.58	3.12	0.25		428.13
4	2	a	4-2-a	4-2-aDozer D9T		1.38	1.27		1.27	0.05	5081.17	1.64	0.13		225.82
4	2	a	4-2-a	4-2-aCat 140M3 Grader		0.20	0.18		0.18	0.01	684.12	0.22	0.02		30.40
4	2	a	4-2-a	4-2-aCat 374 F L		0.07	0.07		0.07	0.01	746.50	0.24	0.02		33.18
4	2	a	4-2-a	4-2-a825 Compactors		1.38	1.27		1.27	0.05	5081.17	1.64	0.13		225.82
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770		0.46	0.42		0.42	0.03	3042.88	0.98	0.08		135.23
4	2	a	4-2-a	4-2-aWheel Loader 986 H		0.51	0.47		0.47	0.03	2442.45	0.79	0.06		108.55
4	2	b	4-2-b	4-2-bKomatsu PC360LC		0.28	0.26		0.26	0.03	2985.99	0.97	0.08		132.70
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig		0.31	0.28		0.28	0.04	3522.56	1.14	0.09		156.55
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader		0.61	0.56		0.56	0.02	1637.43	0.53	0.04		72.77
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.23	0.23		0.23	0.02	2614.52	0.08	0.07		116.19
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver		0.29	0.27		0.27	0.01	1204.82	0.39	0.03		53.54
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.31	0.31		0.31	0.03	3486.03	0.10	0.09		154.92
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		0.79	0.73		0.73	0.03	2707.93	0.88	0.07		120.34
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		0.20	0.18		0.18	0.01	676.98	0.22	0.02		30.09
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader		0.61	0.56		0.56	0.02	1637.43	0.53	0.04		72.77
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig		0.31	0.28		0.28	0.04	3522.56	1.14	0.09		156.55
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.31	0.31		0.31	0.03	3486.03	0.10	0.09		154.92
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.23	0.23		0.23	0.02	2614.52	0.08	0.07		116.19
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver		0.29	0.27		0.27	0.01	1204.82	0.39	0.03		53.54
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.31	0.31		0.31	0.03	3486.03	0.10	0.09		154.92
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane		0.40	0.37		0.37	0.01	1353.96	0.44	0.03		60.17
4	4	a	4-4-a	4-4-aScrapers Cat 657G		1.61	1.48		1.48	0.08	7225.19	2.34	0.19		321.10
4	4	a	4-4-a	4-4-aDozer D9T		1.04	0.95		0.95	0.04	3810.88	1.23	0.10		169.36
4	4	a	4-4-a	4-4-aCat 140M3 Grader		0.10	0.09		0.09	0.00	342.06	0.11	0.01		15.20
4	4	a	4-4-a	4-4-aCat 374 F L		0.04	0.03		0.03	0.00	373.25	0.12	0.01		16.59
4	4	a	4-4-a	4-4-a825 Compactors		0.69	0.64		0.64	0.03	2540.59	0.82	0.07		112.91
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770		0.23	0.21		0.21	0.02	1521.44	0.49	0.04		67.62
4	4	a	4-4-a	4-4-aWheel Loader 986 H		0.25	0.23		0.23	0.01	1221.22	0.39	0.03		54.27
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader		0.61	0.56		0.56	0.02	1637.43	0.53	0.04		72.77
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig		0.31	0.28		0.28	0.04	3522.56	1.14	0.09		156.55
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.31	0.31		0.31	0.03	3486.03	0.10	0.09		154.92
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.23	0.23		0.23	0.02	2614.52	0.08	0.07		116.19
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver		0.29	0.27		0.27	0.01	1204.82	0.39	0.03		53.54
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.31	0.31		0.31	0.03	3486.03	0.10	0.09		154.92
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane		0.60	0.55		0.55	0.02	2030.95	0.66	0.05		90.26
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657		2.15	1.98		1.98	0.10	9633.58	3.12	0.25		428.13
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T		1.38	1.27		1.27	0.05	5081.17	1.64	0.13		225.82
3	2	a	3-2-a	3-2-aScrapers Cat 657		1.08	0.99		0.99	0.05	4816.79	1.56	0.12		214.07
3	2	a	3-2-a	3-2-aDozer D9T		0.69	0.64		0.64	0.03	2540.59	0.82	0.07		112.91
3	2	a	3-2-a	3-2-aCat 140M3 Grader		0.20	0.18		0.18	0.01	684.12	0.22	0.02		30.40
3	2	a	3-2-a	3-2-aCat 374 F L		0.07	0.07		0.07	0.01	746.50	0.24	0.02		33.18
3	2	a	3-2-a	3-2-a825 Compactors		0.69	0.64		0.64	0.03	2540.59	0.82	0.07		112.91
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770		0.46	0.42		0.42	0.03	3042.88	0.98	0.08		135.23
3	2	a	3-2-a	3-2-aWheel Loader 986 H		0.51	0.47		0.47	0.03	2442.45	0.79	0.06		108.55
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader		0.61	0.56		0.56	0.02	1637.43	0.53	0.04		72.77
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig		0.31	0.28		0.28	0.04	3522.56	1.14	0.09		156.55
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.31	0.31		0.31	0.03	3486.03	0.10	0.09		154.92
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.23	0.23		0.23	0.02	2614.52	0.08	0.07		116.19
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver		0.29	0.27		0.27	0.01	1204.82	0.39	0.03		53.54
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.61	0.61		0.61	0.06	6972.05	0.21	0.18		309.85
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane		0.40	0.37		0.37	0.01	1353.96	0.44	0.03		60.17
1	6	a	1-6-a	1-6-aScrapers Cat 657		1.61	1.48		1.48	0.08	7225.19	2.34	0.19		321.10
1	6	a	1-6-a	1-6-aDozer D9T		1.04	0.95		0.95	0.04	3810.88	1.23	0.10		169.36
1	6	a	1-6-a	1-6-aCat 140M3 Grader		0.20	0.18		0.18	0.01	684.12	0.22	0.02		30.40
1	6	a	1-6-a	1-6-aCat 374 F L		0.04	0.03		0.03	0.00	373.25	0.12	0.01		16.59
1	6	a	1-6-a	1-6-a825 Compactors		1.04	0.95		0.95	0.04	3810.88	1.23	0.10		169.36
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770		0.46	0.42		0.42	0.03	3042.88	0.98	0.08		135.23
1	6	a	1-6-a	1-6-aWheel Loader 986 H		0.51	0.47		0.47	0.03	2442.45	0.79	0.06		108.55
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader		0.61	0.56		0.56	0.02	1637.43	0.53	0.04		72.77
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig		0.31	0.28		0.28	0.04	3522.56	1.14	0.09		156.55
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.31	0.31		0.31	0.03	3486.03	0.10	0.09		154.92
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.23	0.23		0.23	0.02	2614.52	0.08	0.07		116.19
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver		0.29	0.27		0.27	0.01	1204.82	0.39	0.03		53.54
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.61	0.61		0.61	0.06	6972.05	0.21	0.18		309.85
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		0.60	0.55		0.55	0.02	2030.95	0.66	0.05		90.26
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		0.20	0.18		0.18	0.01	676.98	0.22	0.02		30.09
2	7	a	2-7-a	2-7-aScrapers Cat 657		1.61	1.48		1.48	0.08	7225.19	2.34	0.19		321.10
2	7	a	2-7-a	2-7-aDozer D9T		1.04	0.95		0.95	0.04	3810.88	1.23	0.10		169.36
2	7	a	2-7-a	2-7-aCat 140M3 Grader		0.20	0.18		0.18	0.01	684.12	0.22	0.02		30.40
2	7	a	2-7-a	2-7-aCat 374 F L		0.04	0.03		0.03	0.00	373.25	0.12	0.01		16.59
2	7	a	2-7-a	2-7-a825 Compactors		1.04	0.95		0.95	0.04	3810.88	1.23	0.10		169.36
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770		0.46	0.42		0.42	0.03	3042.88	0.98	0.08		135.23
2	7	a	2-7-a	2-7-aWheel Loader 986 H		0.51	0.47		0.47	0.03	2442.45	0.79	0.06		108.55
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader		0.61	0.56		0.56	0.02	1637.43	0.53	0.04		72.77
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig		0.31	0.28		0.28	0.04	3522.56	1.14	0.09		156.55
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.31	0.31		0.31	0.03	3486.03	0.10	0.09		154.92
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.23	0.23		0.23	0.02	2614.52	0.08	0.07		116.19
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver		0.29	0.27		0.27	0.01	1204.82	0.39	0.03		53.54
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.31	0.31		0.31	0.03	3486.03	0.10	0.09		154.92
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		0.40	0.37		0.37	0.01	1353.96	0.44	0.03		60.17
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		0.20	0.18		0.18	0.01	676.98	0.22	0.02		30.09
2	8	a	2-8-a	2-8-aScrapers Cat 657		1.61	1.48		1.48	0.08	7225.19	2.34	0.19		321.10
2	8	a	2-8-a	2-8-aDozer D9T		1.04	0.95		0.95	0.04	3810.88	1.23	0.10		169.36
2	8	a	2-8-a	2-8-aCat 140M3 Grader		0.20	0.18		0.18	0.01	684.12	0.22	0.02		30.40
2	8	a	2-8-a	2-8-aCat 374 F L		0.04	0.03		0.03	0.00	373.25	0.12	0.01		16.59
2	8	a	2-8-a	2-8-a825 Compactors		1.04	0.95		0.95	0.04	3810.88	1.23	0.10		169.36
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770		0.46	0.42		0.42	0.03	3042.88	0.98	0.08		135.23
2	8	a	2-8-a	2-8-aWheel Loader 986 H		0.51	0.47		0.47	0.03	2442.45	0.79	0.06		108.55
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader		0.36	0.34		0.34	0.01	982.46	0.32	0.03		43.66
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.31	0.31		0.31	0.03	3486.03	0.10	0.09		154.92
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig		0.10	0.09		0.09	0.01	1174.19	0.38	0.03		52.18
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.61	0.61		0.61	0.06	6972.05	0.21	0.18		309.85
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver		0.36	0.33		0.33	0.02	1506.03	0.49	0.04		66.93
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.61	0.61		0.61	0.06	6972.05	0.21	0.18		309.85
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane		0.20	0.18		0.18	0.01	676.98	0.22	0.02		30.09

2022 (Pounds per day; Fuel in Gal/Day)

lookup for daily	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5-1-aScrapers Cat 657G	3.43	23.21	23.10	1.38		1.38	1.27		1.27	0.08	7217.42	2.33	0.18		320.75
5-1-aDozer D9T	1.36	8.99	10.26	0.59		0.59	0.55		0.55	0.03	2540.20	0.82	0.07		112.89
5-1-aExcavator 374 FL	0.20	1.01	1.69	0.06		0.06	0.05		0.05	0.01	746.65	0.24	0.02		33.18
5-1-a825 Compactors	1.36	8.99	10.26	0.59		0.59	0.55		0.55	0.03	2540.20	0.82	0.07		112.89
5-1-cJohn Deere 410K TC Backhoe Loader	0.28	3.16	7.31	0.29		0.29	0.27		0.27	0.01	983.56	0.32	0.03		43.71
5-1-cAuger Cast Caissons Drill Rig	0.54	3.17	5.01	0.18		0.18	0.16		0.16	0.02	2335.26	0.76	0.06		103.78
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.83	3.95	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19
5-1-dAP 600 D Cat Asphalt Paver	0.35	3.09	7.64	0.23		0.23	0.21		0.21	0.01	1205.34	0.39	0.03		53.57
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1.01	5.09	6.17	0.23		0.23	0.23		0.23	0.01	707.23	0.09	0.02		31.43
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.10	5.27	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93
5-1-eLink Belt Conventional Lattice Crawler Crane	0.37	2.54	3.17	0.17		0.17	0.15		0.15	0.01	676.59	0.22	0.02		30.07
4-2-aScrapers Cat 657G	4.57	30.94	30.80	1.84		1.84	1.69		1.69	0.10	9623.23	3.11	0.25		427.67
4-2-aDozer D9T	2.72	17.99	20.52	1.19		1.19	1.09		1.09	0.05	5080.40	1.64	0.13		225.78
4-2-aCat 140M3 Grader	0.44	3.13	1.84	0.18		0.18	0.16		0.16	0.01	683.69	0.22	0.02		30.38
4-2-aCat 374 F L	0.20	1.01	1.69	0.06		0.06	0.05		0.05	0.01	746.65	0.24	0.02		33.18
4-2-a825 Compactors	2.72	17.99	20.52	1.19		1.19	1.09		1.09	0.05	5080.40	1.64	0.13		225.78
4-2-aOff Highway Dump Truck Cat 770	1.26	5.85	7.99	0.35		0.35	0.32		0.32	0.03	3043.99	0.98	0.08		135.28
4-2-aWheel Loader 986 H	1.24	6.95	7.52	0.42		0.42	0.39		0.39	0.03	2443.50	0.79	0.06		108.59
4-2-bKomatsu PC360LC	0.81	4.05	6.75	0.22		0.22	0.20		0.20	0.03	2986.59	0.97	0.08		132.73
4-2-cAuger Cast Caissons Drill Rig	0.81	4.75	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67
4-2-cJohn Deere 410K TC Backhoe Loader	0.47	5.26	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.83	3.95	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19
4-2-dAP 600 D Cat Asphalt Paver	0.35	3.09	7.64	0.23		0.23	0.21		0.21	0.01	1205.34	0.39	0.03		53.57
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.10	5.27	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93
4-2-eLink Belt Conventional Lattice Crawler Crane	1.50	10.15	12.68	0.67		0.67	0.62		0.62	0.03	2706.35	0.88	0.07		120.27
4-2-eLink Belt Conventional Lattice Crawler Crane	0.37	2.54	3.17	0.17		0.17	0.15		0.15	0.01	676.59	0.22	0.02		30.07
4-3-cJohn Deere 410K TC Backhoe Loader	0.47	5.26	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85
4-3-cAuger Cast Caissons Drill Rig	0.81	4.75	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.10	5.27	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.83	3.95	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19
4-3-dAP 600 D Cat Asphalt Paver	0.35	3.09	7.64	0.23		0.23	0.21		0.21	0.01	1205.34	0.39	0.03		53.57
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.10	5.27	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93
4-3-eLink Belt Conventional Lattice Crawler Crane	0.75	5.08	6.34	0.34		0.34	0.31		0.31	0.01	1353.18	0.44	0.03		60.14
4-4-aScrapers Cat 657G	3.43	23.21	23.10	1.38		1.38	1.27		1.27	0.08	7217.42	2.33	0.18		320.75
4-4-aDozer D9T	2.04	13.49	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34
4-4-aCat 140M3 Grader	0.22	1.57	0.92	0.09		0.09	0.08		0.08	0.00	341.84	0.11	0.01		15.19
4-4-aCat 374 F L	0.10	0.51	0.84	0.03		0.03	0.03		0.03	0.00	373.32	0.12	0.01		16.59
4-4-a825 Compactors	1.36	8.99	10.26	0.59		0.59	0.55		0.55	0.03	2540.20	0.82	0.07		112.89
4-4-aOff Highway Dump Truck Cat 770	0.63	2.92	4.00	0.17		0.17	0.16		0.16	0.02	1521.99	0.49	0.04		67.64
4-4-aWheel Loader 986 H	0.62	3.48	3.76	0.21		0.21	0.19		0.19	0.01	1221.75	0.40	0.03		54.30
4-4-cJohn Deere 410K TC Backhoe Loader	0.47	5.26	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85
4-4-cAuger Cast Caissons Drill Rig	0.81	4.75	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.10	5.27	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.83	3.95	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19
4-4-dAP 600 D Cat Asphalt Paver	0.35	3.09	7.64	0.23		0.23	0.21		0.21	0.01	1205.34	0.39	0.03		53.57
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.10	5.27	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93
4-4-eLink Belt Conventional Lattice Crawler Crane	1.12	7.61	9.51	0.50		0.50	0.46		0.46	0.02	2029.77	0.66	0.05		90.21
3-2-dirtScrapers Cat 657	4.57	30.94	30.80	1.84		1.84	1.69		1.69	0.10	9623.23	3.11	0.25		427.67
3-2-dirtDozer D9T	2.72	17.99	20.52	1.19		1.19	1.09		1.09	0.05	5080.40	1.64	0.13		225.78
3-2-aScrapers Cat 657	2.29	15.47	15.40	0.92		0.92	0.84		0.84	0.05	4811.61	1.56	0.12		213.84
3-2-aDozer D9T	1.36	8.99	10.26	0.59		0.59	0.55		0.55	0.03	2540.20	0.82	0.07		112.89
3-2-aCat 140M3 Grader	0.44	3.13	1.84	0.18		0.18	0.16		0.16	0.01	683.69	0.22	0.02		30.38
3-2-aCat 374 F L	0.20	1.01	1.69	0.06		0.06	0.05		0.05	0.01	746.65	0.24	0.02		33.18
3-2-a825 Compactors	1.36	8.99	10.26	0.59		0.59	0.55		0.55	0.03	2540.20	0.82	0.07		112.89
3-2-aOff Highway Dump Truck Cat 770	1.26	5.85	7.99	0.35		0.35	0.32		0.32	0.03	3043.99	0.98	0.08		135.28
3-2-aWheel Loader 986 H	1.24	6.95	7.52	0.42		0.42	0.39		0.39	0.03	2443.50	0.79	0.06		108.59
3-5-cJohn Deere 410K TC Backhoe Loader	0.47	5.26	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85
3-5-cAuger Cast Caissons Drill Rig	0.81	4.75	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.10	5.27	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.83	3.95	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19
3-5-dAP 600 D Cat Asphalt Paver	0.35	3.09	7.64	0.23		0.23	0.21		0.21	0.01	1205.34	0.39	0.03		53.57
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2.21	10.54	12.28	0.54		0.54	0.54		0.54	0.06	6972.07	0.20	0.18		309.85
3-5-eLink Belt Conventional Lattice Crawler Crane	0.75	5.08	6.34	0.34		0.34	0.31		0.31	0.01	1353.18	0.44	0.03		60.14
1-6-aScrapers Cat 657	3.43	23.21	23.10	1.38		1.38	1.27		1.27	0.08	7217.42	2.33	0.18		320.75
1-6-aDozer D9T	2.04	13.49	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34
1-6-aCat 140M3 Grader	0.44	3.13	1.84	0.18		0.18	0.16		0.16	0.01	683.69	0.22	0.02		30.38
1-6-aCat 374 F L	0.10	0.51	0.84	0.03		0.03	0.03		0.03	0.00	373.32	0.12	0.01		16.59
1-6-a825 Compactors	2.04	13.49	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34
1-6-aOff Highway Dump Truck Cat 770	1.26	5.85	7.99	0.35		0.35	0.32		0.32	0.03	3043.99	0.98	0.08		135.28
1-6-aWheel Loader 986 H	1.24	6.95	7.52	0.42		0.42	0.39		0.39	0.03	2443.50	0.79	0.06		108.59
1-6-cJohn Deere 410K TC Backhoe Loader	0.47	5.26	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85
1-6-cAuger Cast Caissons Drill Rig	0.81	4.75	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.10	5.27	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.83	3.95	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19
1-6-dAP 600 D Cat Asphalt Paver	0.35	3.09	7.64	0.23		0.23	0.21		0.21	0.01	1205.34	0.39	0.03		53.57
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2.21	10.54	12.28	0.54		0.54	0.54		0.54	0.06	6972.07	0.20	0.18		309.85
1-6-eLink Belt Conventional Lattice Crawler Crane	1.12	7.61	9.51	0.50		0.50	0.46		0.46	0.02	2029.77	0.66	0.05		90.21
1-6-eLink Belt Conventional Lattice Crawler Crane	0.37	2.54	3.17	0.17		0.17	0.15		0.15	0.01	676.59	0.22	0.02		30.07
2-7-aScrapers Cat 657	3.43	23.21	23.10	1.38		1.38	1.27		1.27	0.08	7217.42	2.33	0.18		320.75
2-7-aDozer D9T	2.04	13.49	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34
2-7-aCat 140M3 Grader	0.44	3.13	1.84	0.18		0.18	0.16		0.16	0.01	683.69	0.22	0.02		30.38
2-7-aCat 374 F L	0.10	0.51	0.84	0.03		0.03	0.03		0.03	0.00	373.32	0.12	0.01		16.59
2-7-a825 Compactors	2.04	13.49	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34
2-7-aOff Highway Dump Truck Cat 770	1.26	5.85	7.99	0.35		0.35	0.32		0.32	0.03	3043.99	0.98	0.08		135.28
2-7-aWheel Loader 986 H	1.24	6.95	7.52	0.42		0.42	0.39		0.39	0.03	2443.50	0.79	0.06		108.59
2-7-cJohn Deere 410K TC Backhoe Loader	0.47	5.26	12.18	0.49		0.49	0.45		0.45	0.02	1639.27	0.53	0.04		72.85
2-7-cAuger Cast Caissons Drill Rig	0.81	4.75	7.51	0.26		0.26	0.24		0.24	0.04	3502.89	1.13	0.09		155.67
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.10	5.27	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.83	3.95	4.61	0.20		0.20	0.20		0.20	0.02	2614.52	0.07	0.07		116.19
2-7-dAP 600 D Cat Asphalt Paver	0.35	3.09	7.64	0.23		0.23	0.21		0.21	0.01	1205.34	0.39	0.03		53.57
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.10	5.27	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93
2-7-eLink Belt Conventional Lattice Crawler Crane	0.75	5.08	6.34	0.34		0.34	0.31		0.31	0.01	1353.18	0.44	0.03		60.14
2-7-eLink Belt Conventional Lattice Crawler Crane	0.37	2.54	3.17	0.17		0.17	0.15		0.15	0.01	676.59	0.22	0.02		30.07
2-8-aScrapers Cat 657	3.43	23.21	23.10	1.38		1.38	1.27		1.27	0.08	7217.42	2.33	0.18		320.75
2-8-aDozer D9T	2.04	13.49	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34
2-8-aCat 140M3 Grader	0.44	3.13	1.84	0.18		0.18	0.16		0.16	0.01	683.69	0.22	0.02		30.38
2-8-aCat 374 F L	0.10	0.51	0.84	0.03		0.03	0.03		0.03	0.00	373.32	0.12	0.01		16.59
2-8-a825 Compactors	2.04	13.49	15.39	0.89		0.89	0.82		0.82	0.04	3810.30	1.23	0.10		169.34
2-8-aOff Highway Dump Truck Cat 770	1.26	5.85	7.99	0.35		0.35	0.32		0.32	0.03	3043.99	0.98	0.08		135.28
2-8-aWheel Loader 986 H	1.24	6.95	7.52	0.42		0.42	0.39		0.39	0.03	2443.50	0.79	0.06		108.59
2-8-cJohn Deere 410K TC Backhoe Loader	0.28	3.16	7.31	0.29		0.29	0.27		0.27	0.01	983.56	0.32	0.03		43.71
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.10	5.27	6.14	0.27		0.27	0.27		0.27	0.03	3486.03	0.10	0.09		154.93
2-8-cAuger Cast Caissons Drill Rig	0.27	1.58	2.50	0.09		0.09	0.08		0.08	0.01	1167.63	0.38	0.03		51.89
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2.21	10.54	12.28	0.54		0.54	0.54		0.54	0.06	6972.07	0.20	0.18		309.85
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19
2-8-dAP 600 D Cat Asphalt Paver	0.43	3.86	9.54	0.29		0.29	0.27		0.27	0.02	1506.68	0.49	0.04		66.96
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2.21	10.54	12.28	0.54		0.54	0.54		0.54	0.06	6972.07	0.20	0.18		309.85
2-8-eLink Belt Conventional Lattice Crawler Crane	0.37	2.54	3.17	0.17		0.17	0.15		0.15	0.01	676.59	0.22	0.02		30.07

2023 (Pounds per day)

lookup for daily	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T
5-1-aScrapers Cat 657G	1.70	4.09	23.17	0.12		0.12	0.11		0.11
5-1-aDozer D9T	0.64	1.49	9.92	0.05		0.05	0.05		0.05
5-1-aExcavator 374 FL	0.10	0.41	1.67	0.01		0.01	0.00		0.00
5-1-a825 Compactors	0.64	1.49	9.92	0.05		0.05	0.05		0.05
5-1-cJohn Deere 410K TC Backhoe Loader	0.25	0.54	7.29	0.02		0.02	0.01		0.01
5-1-cAuger Cast Caissons Drill Rig	0.30	1.30	4.94	0.04		0.04	0.01		0.01
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.39	1.20	4.59	0.04		0.04	0.02		0.02
5-1-dAP 600 D Cat Asphalt Paver	0.25	0.66	7.63	0.02		0.02	0.02		0.02
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.94	4.95	6.11	0.19		0.19	0.19		0.19
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.52	1.59	6.12	0.05		0.05	0.02		0.02
5-1-eLink Belt Conventional Lattice Crawler Crane	0.17	0.40	2.88	0.01		0.01	0.01		0.01
4-2-aScrapers Cat 657G	2.26	5.46	30.89	0.16		0.16	0.15		0.15
4-2-aDozer D9T	1.29	2.97	19.83	0.10		0.10	0.09		0.09
4-2-aCat 140M3 Grader	0.20	0.56	1.80	0.01		0.01	0.01		0.01
4-2-aCat 374 F L	0.10	0.41	1.67	0.01		0.01	0.00		0.00
4-2-a825 Compactors	1.29	2.97	19.83	0.10		0.10	0.09		0.09
4-2-aOff Highway Dump Truck Cat 770	0.60	1.67	7.83	0.05		0.05	0.03		0.03
4-2-aWheel Loader 986 H	0.57	1.36	7.22	0.04		0.04	0.03		0.03
4-2-bKomatsu PC360LC	0.39	1.65	6.68	0.05		0.05	0.02		0.02
4-2-cAuger Cast Caissons Drill Rig	0.45	1.95	7.41	0.06		0.06	0.02		0.02
4-2-cJohn Deere 410K TC Backhoe Loader	0.41	0.90	12.14	0.03		0.03	0.02		0.02
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.39	1.20	4.59	0.04		0.04	0.02		0.02
4-2-dAP 600 D Cat Asphalt Paver	0.25	0.66	7.63	0.02		0.02	0.02		0.02
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.78	4.12	5.10	0.16		0.16	0.16		0.16
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.52	1.59	6.12	0.05		0.05	0.02		0.02
4-2-eLink Belt Conventional Lattice Crawler Crane	0.68	1.61	11.52	0.05		0.05	0.05		0.05
4-2-eLink Belt Conventional Lattice Crawler Crane	0.17	0.40	2.88	0.01		0.01	0.01		0.01
4-3-cJohn Deere 410K TC Backhoe Loader	0.41	0.90	12.14	0.03		0.03	0.02		0.02
4-3-cAuger Cast Caissons Drill Rig	0.45	1.95	7.41	0.06		0.06	0.02		0.02
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.52	1.59	6.12	0.05		0.05	0.02		0.02
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.39	1.20	4.59	0.04		0.04	0.02		0.02
4-3-dAP 600 D Cat Asphalt Paver	0.25	0.66	7.63	0.02		0.02	0.02		0.02
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.78	4.12	5.10	0.16		0.16	0.16		0.16
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.52	1.59	6.12	0.05		0.05	0.02		0.02
4-3-eLink Belt Conventional Lattice Crawler Crane	0.34	0.81	5.76	0.03		0.03	0.02		0.02
4-4-aScrapers Cat 657G	1.70	4.09	23.17	0.12		0.12	0.11		0.11
4-4-aDozer D9T	0.97	2.23	14.88	0.07		0.07	0.07		0.07
4-4-aCat 140M3 Grader	0.10	0.28	0.90	0.01		0.01	0.01		0.01
4-4-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00
4-4-a825 Compactors	0.64	1.49	9.92	0.05		0.05	0.05		0.05
4-4-aOff Highway Dump Truck Cat 770	0.30	0.83	3.91	0.03		0.03	0.01		0.01
4-4-aWheel Loader 986 H	0.28	0.68	3.61	0.02		0.02	0.02		0.02
4-4-cJohn Deere 410K TC Backhoe Loader	0.41	0.90	12.14	0.03		0.03	0.02		0.02
4-4-cAuger Cast Caissons Drill Rig	0.45	1.95	7.41	0.06		0.06	0.02		0.02
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.52	1.59	6.12	0.05		0.05	0.02		0.02
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.39	1.20	4.59	0.04		0.04	0.02		0.02
4-4-dAP 600 D Cat Asphalt Paver	0.25	0.66	7.63	0.02		0.02	0.02		0.02
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.78	4.12	5.10	0.16		0.16	0.16		0.16
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.52	1.59	6.12	0.05		0.05	0.02		0.02
4-4-eLink Belt Conventional Lattice Crawler Crane	0.51	1.21	8.64	0.04		0.04	0.04		0.04
3-2-dirtScrapers Cat 657	2.26	5.46	30.89	0.16		0.16	0.15		0.15
3-2-dirtDozer D9T	1.29	2.97	19.83	0.10		0.10	0.09		0.09
3-2-aScrapers Cat 657	1.13	2.73	15.45	0.08		0.08	0.07		0.07
3-2-aDozer D9T	0.64	1.49	9.92	0.05		0.05	0.05		0.05
3-2-aCat 140M3 Grader	0.20	0.56	1.80	0.01		0.01	0.01		0.01
3-2-aCat 374 F L	0.10	0.41	1.67	0.01		0.01	0.00		0.00
3-2-a825 Compactors	0.64	1.49	9.92	0.05		0.05	0.05		0.05
3-2-aOff Highway Dump Truck Cat 770	0.60	1.67	7.83	0.05		0.05	0.03		0.03
3-2-aWheel Loader 986 H	0.57	1.36	7.22	0.04		0.04	0.03		0.03
3-5-cJohn Deere 410K TC Backhoe Loader	0.41	0.90	12.14	0.03		0.03	0.02		0.02
3-5-cAuger Cast Caissons Drill Rig	0.45	1.95	7.41	0.06		0.06	0.02		0.02
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.52	1.59	6.12	0.05		0.05	0.02		0.02
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.39	1.20	4.59	0.04		0.04	0.02		0.02
3-5-dAP 600 D Cat Asphalt Paver	0.25	0.66	7.63	0.02		0.02	0.02		0.02
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.78	4.12	5.10	0.16		0.16	0.16		0.16
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.05	3.19	12.24	0.10		0.10	0.04		0.04
3-5-eLink Belt Conventional Lattice Crawler Crane	0.34	0.81	5.76	0.03		0.03	0.02		0.02
1-6-aScrapers Cat 657	1.70	4.09	23.17	0.12		0.12	0.11		0.11
1-6-aDozer D9T	0.97	2.23	14.88	0.07		0.07	0.07		0.07
1-6-aCat 140M3 Grader	0.20	0.56	1.80	0.01		0.01	0.01		0.01
1-6-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00
1-6-a825 Compactors	0.97	2.23	14.88	0.07		0.07	0.07		0.07
1-6-aOff Highway Dump Truck Cat 770	0.60	1.67	7.83	0.05		0.05	0.03		0.03
1-6-aWheel Loader 986 H	0.57	1.36	7.22	0.04		0.04	0.03		0.03
1-6-cJohn Deere 410K TC Backhoe Loader	0.41	0.90	12.14	0.03		0.03	0.02		0.02
1-6-cAuger Cast Caissons Drill Rig	0.45	1.95	7.41	0.06		0.06	0.02		0.02
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.52	1.59	6.12	0.05		0.05	0.02		0.02
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.39	1.20	4.59	0.04		0.04	0.02		0.02
1-6-dAP 600 D Cat Asphalt Paver	0.25	0.66	7.63	0.02		0.02	0.02		0.02
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.78	4.12	5.10	0.16		0.16	0.16		0.16
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.05	3.19	12.24	0.10		0.10	0.04		0.04
1-6-eLink Belt Conventional Lattice Crawler Crane	0.51	1.21	8.64	0.04		0.04	0.04		0.04
1-6-eLink Belt Conventional Lattice Crawler Crane	0.17	0.40	2.88	0.01		0.01	0.01		0.01
2-7-aScrapers Cat 657	1.70	4.09	23.17	0.12		0.12	0.11		0.11
2-7-aDozer D9T	0.97	2.23	14.88	0.07		0.07	0.07		0.07
2-7-aCat 140M3 Grader	0.20	0.56	1.80	0.01		0.01	0.01		0.01
2-7-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00
2-7-a825 Compactors	0.97	2.23	14.88	0.07		0.07	0.07		0.07
2-7-aOff Highway Dump Truck Cat 770	0.60	1.67	7.83	0.05		0.05	0.03		0.03
2-7-aWheel Loader 986 H	0.57	1.36	7.22	0.04		0.04	0.03		0.03
2-7-cJohn Deere 410K TC Backhoe Loader	0.41	0.90	12.14	0.03		0.03	0.02		0.02
2-7-cAuger Cast Caissons Drill Rig	0.45	1.95	7.41	0.06		0.06	0.02		0.02
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.52	1.59	6.12	0.05		0.05	0.02		0.02
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.39	1.20	4.59	0.04		0.04	0.02		0.02
2-7-dAP 600 D Cat Asphalt Paver	0.25	0.66	7.63	0.02		0.02	0.02		0.02
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.78	4.12	5.10	0.16		0.16	0.16		0.16
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.52	1.59	6.12	0.05		0.05	0.02		0.02
2-7-eLink Belt Conventional Lattice Crawler Crane	0.34	0.81	5.76	0.03		0.03	0.02		0.02
2-7-eLink Belt Conventional Lattice Crawler Crane	0.17	0.40	2.88	0.01		0.01	0.01		0.01
2-8-aScrapers Cat 657	1.70	4.09	23.17	0.12		0.12	0.11		0.11
2-8-aDozer D9T	0.97	2.23	14.88	0.07		0.07	0.07		0.07
2-8-aCat 140M3 Grader	0.20	0.56	1.80	0.01		0.01	0.01		0.01
2-8-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00
2-8-a825 Compactors	0.97	2.23	14.88	0.07		0.07	0.07		0.07
2-8-aOff Highway Dump Truck Cat 770	0.60	1.67	7.83	0.05		0.05	0.03		0.03
2-8-aWheel Loader 986 H	0.57	1.36	7.22	0.04		0.04	0.03		0.03
2-8-cJohn Deere 410K TC Backhoe Loader	0.25	0.54	7.29	0.02		0.02	0.01		0.01
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.52	1.59	6.12	0.05		0.05	0.02		0.02
2-8-cAuger Cast Caissons Drill Rig	0.15	0.65	2.47	0.02		0.02	0.01		0.01
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.05	3.19	12.24	0.10		0.10	0.04		0.04
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.78	4.12	5.10	0.16		0.16	0.16		0.16
2-8-dAP 600 D Cat Asphalt Paver	0.32	0.83	9.54	0.03		0.03	0.02		0.02
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.05	3.19	12.24	0.10		0.10	0.04		0.04
2-8-eLink Belt Conventional Lattice Crawler Crane	0.17	0.40	2.88	0.01		0.01	0.01		0.01

Construction - Mitigated Tier 3 and 4.

Equipment Emission Calcs

										Gal/Day	Pounds per day 2024														Gal/Day	Pounds per day 2025													
Parcel	Phase	Activity	Sch Code	lookup for daily	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other
5	1	a	5-1-a	5-1-aScrapers Cat 657G	0.08	7217.67	2.33	0.18		320.77	1.63	3.98	22.37	0.12		0.12	0.10		0.10	0.08	7219.72	2.34	0.18		320.86	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19	
5	1	a	5-1-a	5-1-aDozer D9T	0.03	2541.28	0.82	0.07		112.94	0.61	1.39	9.53	0.05		0.05	0.04		0.04	0.03	2538.13	0.82	0.07		112.80	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07	
5	1	a	5-1-a	5-1-aExcavator 374 FL	0.01	746.93	0.24	0.02		33.19	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	746.65	0.24	0.02		33.18	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02	
5	1	a	5-1-a	5-1-a825 Compactors	0.03	2541.28	0.82	0.07		112.94	0.61	1.39	9.53	0.05		0.05	0.04		0.04	0.03	2538.13	0.82	0.07		112.80	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07	
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	0.01	984.67	0.32	0.03		43.76	0.23	0.54	7.30	0.02		0.02	0.01		0.01	0.01	985.29	0.32	0.03		43.79	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03	
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	0.02	2319.51	0.75	0.06		103.08	0.30	1.30	4.97	0.04		0.04	0.01		0.01	0.02	2321.70	0.75	0.06		103.18	0.30	1.30	4.99	0.04		0.04	0.01		0.01	0.02	2335.74	0.76	0.06	
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	707.23	0.08	0.02		31.43	0.87	4.81	6.07	0.17		0.17	0.17		0.17	0.01	707.23	0.08	0.02		31.43	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02	
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	0.01	676.75	0.22	0.02		30.08	0.17	0.38	2.77	0.01		0.01	0.01		0.01	0.01	676.43	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02	
4	2	a	4-2-a	4-2-aScrapers Cat 657G	0.10	9623.56	3.11	0.25		427.69	2.17	5.31	29.83	0.16		0.16	0.14		0.14	0.10	9626.30	3.11	0.25		427.81	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25	
4	2	a	4-2-a	4-2-aDozer D9T	0.05	5082.55	1.64	0.13		225.88	1.22	2.78	19.06	0.09		0.09	0.08		0.08	0.05	5076.26	1.64	0.13		225.60	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13	
4	2	a	4-2-a	4-2-aCat 140M3 Grader	0.01	683.23	0.22	0.02		30.36	0.19	0.50	1.77	0.01		0.01	0.01		0.01	0.01	682.86	0.22	0.02		30.35	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02	
4	2	a	4-2-a	4-2-aCat 374 F L	0.01	746.93	0.24	0.02		33.19	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	746.65	0.24	0.02		33.18	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02	
4	2	a	4-2-a	4-2-a825 Compactors	0.05	5082.55	1.64	0.13		225.88	1.22	2.78	19.06	0.09		0.09	0.08		0.08	0.05	5076.26	1.64	0.13		225.60	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13	
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	0.03	3046.13	0.98	0.08		135.38	0.59	1.67	7.74	0.05		0.05	0.02		0.02	0.03	3047.23	0.99	0.08		135.42	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08	
4	2	a	4-2-a	4-2-aWheel Loader 986 H	0.03	2445.26	0.79	0.06		108.67	0.55	1.36	7.06	0.04		0.04	0.03		0.03	0.03	2445.50	0.79	0.06		108.68	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06	
4	2	b	4-2-b	4-2-bKomatsu PC360LC	0.03	2987.73	0.97	0.08		132.78	0.38	1.65	6.70	0.05		0.05	0.02		0.02	0.03	2986.60	0.97	0.08		132.73	0.38	1.65	6.68	0.05		0.05	0.01		0.01	0.03	2990.29	0.97	0.08	
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	0.03	2707.00	0.88	0.07		120.30	0.66	1.53	11.08	0.05		0.05	0.05		0.05	0.03	2705.70	0.88	0.07		120.25	0.63	1.49	10.51	0.05		0.05	0.04		0.04	0.03	2705.13	0.87	0.07	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	0.01	676.75	0.22	0.02		30.08	0.17	0.38	2.77	0.01		0.01	0.01		0.01	0.01	676.43	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02	
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	0.01	1353.50	0.44	0.03		60.15	0.33	0.77	5.54	0.03		0.03	0.02		0.02	0.01	1352.85	0.44	0.03		60.12	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03	
4	4	a	4-4-a	4-4-aScrapers Cat 657G	0.08	7217.67	2.33	0.18		320.77	1.63	3.98	22.37	0.12		0.12	0.10		0.10	0.08	7219.72	2.34	0.18		320.86	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19	
4	4	a	4-4-a	4-4-aDozer D9T	0.04	3811.91	1.23	0.10		169.41	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
4	4	a	4-4-a	4-4-aCat 140M3 Grader	0.00	341.62	0.11	0.01		15.18	0.09	0.25	0.88	0.01		0.01	0.01		0.01	0.00	341.43	0.11	0.01		15.17	0.08	0.21	0.85	0.01		0.01	0.00		0.00	0.00	341.29	0.11	0.01	
4	4	a	4-4-a	4-4-aCat 374 F L	0.00	373.47	0.12	0.01		16.60	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01	
4	4	a	4-4-a	4-4-a825 Compactors	0.03	2541.28	0.82	0.07		112.94	0.61	1.39	9.53	0.05		0.05	0.04		0.04	0.03	2538.13	0.82	0.07		112.80	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07	
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	0.02	1523.07	0.49	0.04		67.69	0.30	0.83	3.87	0.03		0.03	0.01		0.01	0.02	1523.62	0.49	0.04		67.71	0.28	0.83	3.79	0.03		0.03	0.01		0.01	0.02	1522.81	0.49	0.04	
4	4	a	4-4-a	4-4-aWheel Loader 986 H	0.01	1222.63	0.40	0.03		54.34	0.27	0.68	3.53	0.02		0.02	0.01		0.01	0.01	1222.75	0.40	0.03		54.34	0.25	0.68	3.33	0.02		0.02	0.01		0.01	0.01	1224.40	0.40	0.03	
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	0.02	2030.25	0.66	0.05		90.23	0.50	1.15	8.31	0.04		0.04	0.03		0.03	0.02	2029.28	0.66	0.05		90.18	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05	
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	0.10	9623.56	3.11	0.25		427.69	2.17	5.31	29.83	0.16		0.16	0.14		0.14	0.10	9626.30	3.11	0.25		427.81	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25	
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	0.05	5082.55	1.64	0.13		225.88	1.22	2.78	19.06	0.09		0.09	0.08		0.08	0.05	5076.26	1.64	0.13		225.60	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13	
3	2	a	3-2-a	3-2-aScrapers Cat 657	0.05	4811.78	1.56	0.12		213.84	1.09	2.65	14.91	0.08		0.08	0.07		0.07	0.05	4813.15	1.56	0.12		213.90	0.94	2.65	13.66	0.08		0.08	0.05		0.05	0.05	4820.15	1.56	0.12	
3	2	a	3-2-a	3-2-aDozer D9T	0.03	2541.28	0.82	0.07		112.94	0.61	1.39	9.53	0.05		0.05	0.04		0.04	0.03	2538.13	0.82	0.07		112.80	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07	
3	2	a	3-2-a	3-2-aCat 140M3 Grader	0.01	683.23	0.22	0.02		30.36	0.19	0.50	1.77	0.01		0.01	0.01		0.01	0.01	682.86	0.22	0.02		30.35	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02	
3	2	a	3-2-a	3-2-aCat 374 F L	0.01	746.93	0.24	0.02		33.19	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	746.65	0.24	0.02		33.18	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02	
3	2	a	3-2-a	3-2-a825 Compactors	0.03	2541.28	0.82	0.07		112.94	0.61	1.39	9.53	0.05		0.05	0.04		0.04	0.03	2538.13	0.82	0.07		112.80	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07	
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	0.03	3046.13	0.98	0.08		135.38	0.59	1.67	7.74	0.05		0.05	0.02		0.02	0.03	3047.23	0.99	0.08		135.42	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08	
3	2	a	3-2-a	3-2-aWheel Loader 986 H	0.03	2445.26	0.79	0.06		108.67	0.55	1.36	7.06	0.04		0.04	0.03		0.03	0.03	2445.50	0.79	0.06		108.68	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06	
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.07	0.18	0.18		309.85	1.01	3.19	12.19	0.10		0.10	0.04		0.04	0.06	6972.05	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18	
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	0.01	1353.50	0.44	0.03		60.15	0.33	0.77	5.54	0.03		0.03	0.02		0.02	0.01	1352.85	0.44	0.03		60.12	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03	
1	6	a	1-6-a	1-6-aScrapers Cat 657	0.08	7217.67	2.33	0.18		320.77	1.63	3.98	22.37	0.12		0.12	0.10		0.10	0.08	7219.72	2.34	0.18		320.86	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19	
1	6	a	1-6-a	1-6-aDozer D9T	0.04	3811.91	1.23	0.10		169.41	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
1	6	a	1-6-a	1-6-aCat 140M3 Grader	0.01	683.23	0.22	0.02		30.36	0.19	0.50	1.77	0.01		0.01	0.01		0.01	0.01	682.86	0.22	0.02		30.35	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02	
1	6	a	1-6-a	1-6-aCat 374 F L	0.00	373.47	0.12	0.01		16.60	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01	
1	6	a	1-6-a	1-6-a825 Compactors	0.04	3811.91	1.23	0.10		169.41	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	0.03	3046.13	0.98	0.08		135.38	0.59	1.67	7.74	0.05		0.05	0.02		0.02	0.03	3047.23	0.99	0.08		135.42	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08	
1	6	a	1-6-a	1-6-aWheel Loader 986 H	0.03	2445.26	0.79	0.06		108.67	0.55	1.36	7.06	0.04		0.04	0.03		0.03	0.03	2445.50	0.79	0.06		108.68	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06	
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.07	0.18	0.18		309.85	1.01	3.19	12.19	0.10		0.10	0.04		0.04	0.06	6972.05	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.02	2030.25	0.66	0.05		90.23	0.50	1.15	8.31	0.04		0.04	0.03		0.03	0.02	2029.28	0.66	0.05		90.18	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.01	676.75	0.22	0.02		30.08	0.17	0.38	2.77	0.01		0.01	0.01		0.01	0.01	676.43	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02	
2	7	a	2-7-a	2-7-aScrapers Cat 657	0.08	7217.67	2.33	0.18		320.77	1.63	3.98	22.37	0.12		0.12	0.10		0.10	0.08	7219.72	2.34	0.18		320.86	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19	
2	7	a	2-7-a	2-7-aDozer D9T	0.04	3811.91	1.23	0.10		169.41	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
2	7	a	2-7-a	2-7-aCat 140M3 Grader	0.01	683.23	0.22	0.02		30.36	0.19	0.50	1.77	0.01		0.01	0.01		0.01	0.01	682.86	0.22	0.02		30.35	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02	
2	7	a	2-7-a	2-7-aCat 374 F L	0.00	373.47	0.12	0.01		16.60	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01	
2	7	a	2-7-a	2-7-a825 Compactors	0.04	3811.91	1.23	0.10		169.41	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	0.03	3046.13	0.98	0.08		135.38	0.59	1.67	7.74	0.05		0.05	0.02		0.02	0.03	3047.23	0.99	0.08		135.42	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08	
2	7	a	2-7-a	2-7-aWheel Loader 986 H	0.03	2445.26	0.79	0.06		108.67	0.55	1.36	7.06	0.04		0.04	0.03		0.03	0.03	2445.50	0.79	0.06		108.68	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06	
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.01	1353.50	0.44	0.03		60.15	0.33	0.77	5.54	0.03		0.03	0.02		0.02	0.01	1352.85	0.44	0.03		60.12	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.01	676.75	0.22	0.02		30.08	0.17	0.38	2.77	0.01		0.01	0.01		0.01	0.01	676.43	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02	
2	8	a	2-8-a	2-8-aScrapers Cat 657	0.08	7217.67	2.33	0.18		320.77	1.63	3.98	22.37	0.12		0.12	0.10		0.10	0.08	7219.72	2.34	0.18		320.86	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19	
2	8	a	2-8-a	2-8-aDozer D9T	0.04	3811.91	1.23	0.10		169.41	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
2	8	a	2-8-a	2-8-aCat 140M3 Grader	0.01	683.23	0.22	0.02		30.36	0.19	0.50	1.77	0.01		0.01	0.01		0.01	0.01	682.86	0.22	0.02		30.35	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02	
2	8	a	2-8-a	2-8-aCat 374 F L	0.00	373.47	0.12	0.01		16.60	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01	
2	8	a	2-8-a	2-8-a825 Compactors	0.04	3811.91	1.23	0.10		169.41	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	0.03	3046.13	0.98	0.08		135.38	0.59	1.67	7.74	0.05		0.05	0.02		0.02	0.03	3047.23	0.99	0.08		135.42	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08	
2	8	a	2-8-a	2-8-aWheel Loader 986 H	0.03	2445.26	0.79	0.06		108.67	0.55	1.36	7.06	0.04		0.04	0.03		0.03	0.03	2445.50	0.79	0.06		108.68	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06	
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	0.01	984.67	0.32	0.03		43.76	0.23	0.54	7.30	0.02		0.02	0.01		0.01	0.01	985.29	0.32	0.03		43.79	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03	
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	0.01	1159.75	0.38	0.03		51.54	0.15	0.65	2.48	0.02		0.02	0.01		0.01	0.01	1160.85	0.38	0.03		51.59	0.15	0.65	2.49	0.02		0.02	0.01		0.01	0.01	1167.87	0.38	0.03	
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.07	0.18	0.18		309.85	1.01	3.19	12.19	0.10		0.10	0.04		0.04	0.06	6972.05	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18	
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	0.02	1506.54	0.49	0.04		66.95	0.30	0.83	9.57	0.03		0.03	0.02		0.02	0.02	1506.36	0.49	0.04		66.95	0.29	0.83	9.58	0.03		0.03	0.02		0.02	0.02	1505.80	0.49	0.04	
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.07	0.18	0.18		309.85	1.01	3.19	12.19	0.10		0.10	0.04		0.04	0.06	6972.05	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18	
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	0.01	676.75	0.22	0.02		30.08	0.17	0.38	2.77	0.01		0.01	0.01		0.01	0.01	676.43	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02	

Construction - Mitigated Tier 3 and 4.

Equipment Emission Calcs

					Gal/Day	Pounds per day 2026														Gal/Day	Pounds per day 2027														Gal/Day				
Parcel	Phase	Activity	Sch Code	lookup for daily	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex
5	1	a	5-1-a	5-1-aScrapers Cat 657G	321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12
5	1	a	5-1-a	5-1-aDozer D9T	112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04
5	1	a	5-1-a	5-1-aExcavator 374 FL	33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01
5	1	a	5-1-a	5-1-a825 Compactors	112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	103.80	0.30	1.30	4.99	0.04		0.04	0.01		0.01	0.02	2335.74	0.76	0.06		103.80	0.30	1.30	4.99	0.04		0.04	0.01		0.01	0.02	2335.74	0.76	0.06		103.80	0.30	1.30	4.99	0.04
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	31.43	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02		31.43	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02		31.43	0.82	4.67	6.04	0.14
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01
4	2	a	4-2-a	4-2-aScrapers Cat 657G	428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16
4	2	a	4-2-a	4-2-aDozer D9T	225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09
4	2	a	4-2-a	4-2-aCat 140M3 Grader	30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01
4	2	a	4-2-a	4-2-aCat 374 F L	33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01
4	2	a	4-2-a	4-2-a825 Compactors	225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05
4	2	a	4-2-a	4-2-aWheel Loader 986 H	108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04
4	2	b	4-2-b	4-2-bKomatsu PC360LC	132.89	0.38	1.65	6.68	0.05		0.05	0.01		0.01	0.03	2990.29	0.97	0.08		132.89	0.38	1.65	6.68	0.05		0.05	0.01		0.01	0.03	2990.29	0.97	0.08		132.89	0.38	1.65	6.68	0.05
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	120.22	0.63	1.49	10.51	0.05		0.05	0.04		0.04	0.03	2705.13	0.87	0.07		120.22	0.63	1.49	10.51	0.05		0.05	0.04		0.04	0.03	2705.13	0.87	0.07		120.22	0.63	1.49	10.51	0.05
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02
4	4	a	4-4-a	4-4-aScrapers Cat 657G	321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12
4	4	a	4-4-a	4-4-aDozer D9T	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
4	4	a	4-4-a	4-4-aCat 140M3 Grader	15.17	0.08	0.21	0.85	0.01		0.01	0.00		0.00	0.00	341.29	0.11	0.01		15.17	0.08	0.21	0.85	0.01		0.01	0.00		0.00	0.00	341.29	0.11	0.01		15.17	0.08	0.21	0.85	0.01
4	4	a	4-4-a	4-4-aCat 374 F L	16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01
4	4	a	4-4-a	4-4-a825 Compactors	112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	67.68	0.28	0.83	3.79	0.03		0.03	0.01		0.01	0.02	1522.81	0.49	0.04		67.68	0.28	0.83	3.79	0.03		0.03	0.01		0.01	0.02	1522.81	0.49	0.04		67.68	0.28	0.83	3.79	0.03
4	4	a	4-4-a	4-4-aWheel Loader 986 H	54.41	0.25	0.68	3.33	0.02		0.02	0.01		0.01	0.01	1224.40	0.40	0.03		54.41	0.25	0.68	3.33	0.02		0.02	0.01		0.01	0.01	1224.40	0.40	0.03		54.41	0.25	0.68	3.33	0.02
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09
3	2	a	3-2-a	3-2-aScrapers Cat 657	214.22	0.94	2.65	13.66	0.08		0.08	0.05		0.05	0.05	4820.15	1.56	0.12		214.22	0.94	2.65	13.66	0.08		0.08	0.05		0.05	0.05	4820.15	1.56	0.12		214.22	0.94	2.65	13.66	0.08
3	2	a	3-2-a	3-2-aDozer D9T	112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04
3	2	a	3-2-a	3-2-aCat 140M3 Grader	30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01
3	2	a	3-2-a	3-2-aCat 374 F L	33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01
3	2	a	3-2-a	3-2-a825 Compactors	112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05
3	2	a	3-2-a	3-2-aWheel Loader 986 H	108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02
1	6	a	1-6-a	1-6-aScrapers Cat 657	321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12
1	6	a	1-6-a	1-6-aDozer D9T	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
1	6	a	1-6-a	1-6-aCat 140M3 Grader	30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01
1	6	a	1-6-a	1-6-aCat 374 F L	16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01
1	6	a	1-6-a	1-6-a825 Compactors	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05
1	6	a	1-6-a	1-6-aWheel Loader 986 H	108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01
2	7	a	2-7-a	2-7-aScrapers Cat 657	321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12
2	7	a	2-7-a	2-7-aDozer D9T	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
2	7	a	2-7-a	2-7-aCat 140M3 Grader	30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01
2	7	a	2-7-a	2-7-aCat 374 F L	16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01
2	7	a	2-7-a	2-7-a825 Compactors	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05
2	7	a	2-7-a	2-7-aWheel Loader 986 H	108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01
2	8	a	2-8-a	2-8-aScrapers Cat 657	321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12
2	8	a	2-8-a	2-8-aDozer D9T	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
2	8	a	2-8-a	2-8-aCat 140M3 Grader	30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01
2	8	a	2-8-a	2-8-aCat 374 F L	16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01
2	8	a	2-8-a	2-8-a825 Compactors	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05
2	8	a	2-8-a	2-8-aWheel Loader 986 H	108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	51.90	0.15	0.65	2.49	0.02		0.02	0.01		0.01	0.01	1167.87	0.38	0.03		51.90	0.15	0.65	2.49	0.02		0.02	0.01		0.01	0.01	1167.87	0.38	0.03		51.90	0.15	0.65	2.49	0.02
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	66.92	0.29	0.83	9.58	0.03		0.03	0.02		0.02	0.02	1505.80	0.49	0.04		66.92	0.29	0.83	9.58	0.03		0.03	0.02		0.02	0.02	1505.80	0.49	0.04		66.92	0.29	0.83	9.58	0.03
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01

Construction - Mitigated Tier 3 and 4.

Equipment Emission Calcs

						Pounds per day		
						2028		
Parcel	Phase	Activity	Sch Code	lookup for daily	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D
5	1	a	5-1-a	5-1-aScrapers Cat 657G		0.12	0.08	
5	1	a	5-1-a	5-1-aDozer D9T		0.04	0.04	
5	1	a	5-1-a	5-1-aExcavator 374 FL		0.01	0.00	
5	1	a	5-1-a	5-1-a825 Compactors		0.04	0.04	
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader		0.02	0.01	
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig		0.04	0.01	
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01	
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver		0.02	0.01	
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.14	0.14	
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02	
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane		0.01	0.01	
4	2	a	4-2-a	4-2-aScrapers Cat 657G		0.16	0.11	
4	2	a	4-2-a	4-2-aDozer D9T		0.09	0.07	
4	2	a	4-2-a	4-2-aCat 140M3 Grader		0.01	0.01	
4	2	a	4-2-a	4-2-aCat 374 F L		0.01	0.00	
4	2	a	4-2-a	4-2-a825 Compactors		0.09	0.07	
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770		0.05	0.02	
4	2	a	4-2-a	4-2-aWheel Loader 986 H		0.04	0.02	
4	2	b	4-2-b	4-2-bKomatsu PC360LC		0.05	0.01	
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig		0.06	0.02	
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader		0.03	0.01	
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01	
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver		0.02	0.01	
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12	
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		0.05	0.04	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		0.01	0.01	
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader		0.03	0.01	
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig		0.06	0.02	
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02	
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01	
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver		0.02	0.01	
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12	
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02	
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane		0.02	0.02	
4	4	a	4-4-a	4-4-aScrapers Cat 657G		0.12	0.08	
4	4	a	4-4-a	4-4-aDozer D9T		0.06	0.05	
4	4	a	4-4-a	4-4-aCat 140M3 Grader		0.01	0.00	
4	4	a	4-4-a	4-4-aCat 374 F L		0.01	0.00	
4	4	a	4-4-a	4-4-a825 Compactors		0.04	0.04	
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770		0.03	0.01	
4	4	a	4-4-a	4-4-aWheel Loader 986 H		0.02	0.01	
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader		0.03	0.01	
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig		0.06	0.02	
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02	
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01	
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver		0.02	0.01	
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12	
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02	
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane		0.03	0.03	
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657		0.16	0.11	
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T		0.09	0.07	
3	2	a	3-2-a	3-2-aScrapers Cat 657		0.08	0.05	
3	2	a	3-2-a	3-2-aDozer D9T		0.04	0.04	
3	2	a	3-2-a	3-2-aCat 140M3 Grader		0.01	0.01	
3	2	a	3-2-a	3-2-aCat 374 F L		0.01	0.00	
3	2	a	3-2-a	3-2-a825 Compactors		0.04	0.04	
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770		0.05	0.02	
3	2	a	3-2-a	3-2-aWheel Loader 986 H		0.04	0.02	
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader		0.03	0.01	
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig		0.06	0.02	
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02	
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01	
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver		0.02	0.01	
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12	
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.03	
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane		0.02	0.02	
1	6	a	1-6-a	1-6-aScrapers Cat 657		0.12	0.08	
1	6	a	1-6-a	1-6-aDozer D9T		0.06	0.05	
1	6	a	1-6-a	1-6-aCat 140M3 Grader		0.01	0.01	
1	6	a	1-6-a	1-6-aCat 374 F L		0.01	0.00	
1	6	a	1-6-a	1-6-a825 Compactors		0.06	0.05	
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770		0.05	0.02	
1	6	a	1-6-a	1-6-aWheel Loader 986 H		0.04	0.02	
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader		0.03	0.01	
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig		0.06	0.02	
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02	
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01	
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver		0.02	0.01	
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12	
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.03	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		0.03	0.03	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		0.01	0.01	
2	7	a	2-7-a	2-7-aScrapers Cat 657		0.12	0.08	
2	7	a	2-7-a	2-7-aDozer D9T		0.06	0.05	
2	7	a	2-7-a	2-7-aCat 140M3 Grader		0.01	0.01	
2	7	a	2-7-a	2-7-aCat 374 F L		0.01	0.00	
2	7	a	2-7-a	2-7-a825 Compactors		0.06	0.05	
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770		0.05	0.02	
2	7	a	2-7-a	2-7-aWheel Loader 986 H		0.04	0.02	
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader		0.03	0.01	
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig		0.06	0.02	
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02	
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01	
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver		0.02	0.01	
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12	
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		0.02	0.02	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		0.01	0.01	
2	8	a	2-8-a	2-8-aScrapers Cat 657		0.12	0.08	
2	8	a	2-8-a	2-8-aDozer D9T		0.06	0.05	
2	8	a	2-8-a	2-8-aCat 140M3 Grader		0.01	0.01	
2	8	a	2-8-a	2-8-aCat 374 F L		0.01	0.00	
2	8	a	2-8-a	2-8-a825 Compactors		0.06	0.05	
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770		0.05	0.02	
2	8	a	2-8-a	2-8-aWheel Loader 986 H		0.04	0.02	
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader		0.02	0.01	
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02	
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig		0.02	0.01	
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.03	
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12	
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver		0.03	0.02	
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.03	
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane		0.01	0.01	

Construction - Mitigated Tier 3 and 4.

Equipment Emission Calcs

											Gal/Day	Pounds per day 2029														Gal/Day	Pounds per day 2030												
Parcel	Phase	Activity	Sch Code	lookup for daily	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O
5	1	a	5-1-a	5-1-aScrapers Cat 657G	0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.98	3.98	18.13	0.12		0.12	0.06		0.06	0.08	8703.24	0.35	0.22
5	1	a	5-1-a	5-1-aDozer D9T	0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.69	1.39	6.43	0.04		0.04	0.02		0.02	0.03	3042.91	0.12	0.08
5	1	a	5-1-a	5-1-aExcavator 374 FL	0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.16	0.41	1.73	0.01		0.01	0.00		0.00	0.01	903.36	0.03	0.02
5	1	a	5-1-a	5-1-a825 Compactors	0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.69	1.39	6.43	0.04		0.04	0.02		0.02	0.03	3042.91	0.12	0.08
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.28	0.54	7.66	0.02		0.02	0.00		0.00	0.01	1174.53	0.05	0.03
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	0.01	0.02	2335.74	0.76	0.06		103.80	0.30	1.30	4.99	0.04		0.04	0.01		0.01	0.02	2335.74	0.76	0.06		103.80	0.32	1.30	5.03	0.04		0.04	0.00		0.00	0.02	2840.64	0.05	0.07
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01	0.02	2614.52	0.05	0.07
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01	0.02	1448.93	0.07	0.04
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.14	0.01	707.23	0.07	0.02		31.43	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02		31.43	0.63	4.16	5.86	0.06		0.06	0.06		0.06	0.01	707.23	0.06	0.02
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01	0.03	3486.03	0.07	0.09
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	1.56	0.01		0.01	0.00		0.00	0.01	814.32	0.03	0.02
4	2	a	4-2-a	4-2-aScrapers Cat 657G	0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	2.64	5.31	24.18	0.16		0.16	0.07		0.07	0.10	11604.32	0.47	0.30
4	2	a	4-2-a	4-2-aDozer D9T	0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.38	2.78	12.85	0.09		0.09	0.04		0.04	0.05	6085.82	0.25	0.16
4	2	a	4-2-a	4-2-aCat 140M3 Grader	0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.16	0.37	1.66	0.01		0.01	0.00		0.00	0.01	819.29	0.03	0.02
4	2	a	4-2-a	4-2-aCat 374 F L	0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.16	0.41	1.73	0.01		0.01	0.00		0.00	0.01	903.36	0.03	0.02
4	2	a	4-2-a	4-2-a825 Compactors	0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.38	2.78	12.85	0.09		0.09	0.04		0.04	0.05	6085.82	0.25	0.16
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.69	1.67	7.08	0.05		0.05	0.01		0.01	0.03	3644.08	0.12	0.09
4	2	a	4-2-a	4-2-aWheel Loader 986 H	0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.54	1.36	5.66	0.04		0.04	0.01		0.01	0.03	2966.35	0.09	0.08
4	2	b	4-2-b	4-2-bKomatsu PC360LC	0.01	0.03	2990.29	0.97	0.08		132.89	0.38	1.65	6.68	0.05		0.05	0.01		0.01	0.03	2990.29	0.97	0.08		132.89	0.64	1.65	6.92	0.05		0.05	0.01		0.01	0.03	3613.46	0.11	0.09
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01	0.04	4260.96	0.08	0.11
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00	0.02	1957.56	0.08	0.05
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01	0.02	2614.52	0.05	0.07
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01	0.02	1448.93	0.07	0.04
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01	0.03	3486.03	0.07	0.09
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	0.04	0.03	2705.13	0.87	0.07		120.22	0.63	1.49	10.51	0.05		0.05	0.04		0.04	0.03	2705.13	0.87	0.07		120.22	0.64	1.49	6.25	0.05		0.05	0.01		0.01	0.03	3257.27	0.11	0.08
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	1.56	0.01		0.01	0.00		0.00	0.01	814.32	0.03	0.02
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00	0.02	1957.56	0.08	0.05
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01	0.04	4260.96	0.08	0.11
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01	0.03	3486.03	0.07	0.09
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01	0.02	2614.52	0.05	0.07
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01	0.02	1448.93	0.07	0.04
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01	0.03	3486.03	0.07	0.09
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.32	0.75	3.12	0.02		0.02	0.01		0.01	0.01	1628.63	0.06	0.04
4	4	a	4-4-a	4-4-aScrapers Cat 657G	0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.98	3.98	18.13	0.12		0.12	0.06		0.06	0.08	8703.24	0.35	0.22
4	4	a	4-4-a	4-4-aDozer D9T	0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03	0.04	4564.37	0.18	0.12
4	4	a	4-4-a	4-4-aCat 140M3 Grader	0.00	0.00	341.29	0.11	0.01		15.17	0.08	0.21	0.85	0.01		0.01	0.00		0.00	0.00	341.29	0.11	0.01		15.17	0.08	0.19	0.83	0.01		0.01	0.00		0.00	0.00	409.64	0.01	0.01
4	4	a	4-4-a	4-4-aCat 374 F L	0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.08	0.21	0.86	0.01		0.01	0.00		0.00	0.00	451.68	0.01	0.01
4	4	a	4-4-a	4-4-a825 Compactors	0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.69	1.39	6.43	0.04		0.04	0.02		0.02	0.03	3042.91	0.12	0.08
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	0.01	0.02	1522.81	0.49	0.04		67.68	0.28	0.83	3.79	0.03		0.03	0.01		0.01	0.02	1522.81	0.49	0.04		67.68	0.35	0.83	3.54	0.03		0.03	0.00		0.00	0.02	1822.04	0.06	0.05
4	4	a	4-4-a	4-4-aWheel Loader 986 H	0.01	0.01	1224.40	0.40	0.03		54.41	0.25	0.68	3.33	0.02		0.02	0.01		0.01	0.01	1224.40	0.40	0.03		54.41	0.27	0.68	2.83	0.02		0.02	0.00		0.00	0.01	1483.18	0.05	0.04
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00	0.02	1957.56	0.08	0.05
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01	0.04	4260.96	0.08	0.11
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01	0.03	3486.03	0.07	0.09
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01	0.02	2614.52	0.05	0.07
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01	0.02	1448.93	0.07	0.04
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01	0.03	3486.03	0.07	0.09
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.48	1.12	4.69	0.03		0.03	0.01		0.01	0.02	2442.95	0.09	0.06
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	2.64	5.31	24.18	0.16		0.16	0.07		0.07	0.10	11604.32	0.47	0.30
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.38	2.78	12.85	0.09		0.09	0.04		0.04	0.05	6085.82	0.25	0.16
3	2	a	3-2-a	3-2-aScrapers Cat 657	0.05	0.05	4820.15	1.56	0.12		214.22	0.94	2.65	13.66	0.08		0.08	0.05		0.05	0.05	4820.15	1.56	0.12		214.22	1.32	2.65	12.09	0.08		0.08	0.04		0.04	0.05	5802.16	0.23	0.15
3	2	a	3-2-a	3-2-aDozer D9T	0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.69	1.39	6.43	0.04		0.04	0.02		0.02	0.03	3042.91	0.12	0.08
3	2	a	3-2-a	3-2-aCat 140M3 Grader	0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.16	0.37	1.66	0.01		0.01	0.00		0.00	0.01	819.29	0.03	0.02
3	2	a	3-2-a	3-2-aCat 374 F L	0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.16	0.41	1.73	0.01		0.01	0.00		0.00	0.01	903.36	0.03	0.02
3	2	a	3-2-a	3-2-a825 Compactors	0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.69	1.39	6.43	0.04		0.04	0.02		0.02	0.03	3042.91	0.12	0.08
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.69	1.67	7.08	0.05		0.05	0.01		0.01	0.03	3644.08	0.12	0.09
3	2	a	3-2-a	3-2-aWheel Loader 986 H	0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.54	1.36	5.66	0.04		0.04	0.01		0.01	0.03	2966.35	0.09	0.08
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00	0.02	1957.56	0.08	0.05
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01	0.04	4260.96	0.08	0.11
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01	0.03	3486.03	0.07	0.09
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01	0.02	2614.52	0.05	0.07
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01	0.02	1448.93	0.07	0.04
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.79	3.19	12.13	0.10		0.10	0.02		0.02	0.06	6972.05	0.13	0.18
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.32	0.75	3.12	0.02		0.02	0.01		0.01	0.01	1628.63	0.06	0.04
1	6	a	1-6-a	1-6-aScrapers Cat 657	0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.98	3.98	18.13	0.12		0.12	0.06		0.06	0.08	8703.24	0.35	0.22
1	6	a	1-6-a	1-6-aDozer D9T	0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03	0.04	4564.37	0.18	0.12
1	6	a	1-6-a	1-6-aCat 140M3 Grader	0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.16	0.37	1.66	0.01		0.01	0.00		0.00	0.01	819.29	0.03	0.02
1	6	a	1-6-a	1-6-aCat 374 F L	0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.08	0.21	0.86	0.01		0.01	0.00		0.00	0.00	451.68	0.01	0.01
1	6	a	1-6-a	1-6-a825 Compactors	0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03	0.04	4564.37	0.18	0.12
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.69	1.67	7.08	0.05		0.05	0.01		0.01	0.03	3644.08	0.12	0.09
1	6	a	1-6-a	1-6-aWheel Loader 986 H	0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.54	1.36	5.66	0.04		0.04	0.01		0.01	0.03	2966.35	0.09	0.08
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00	0.02	1957.56	0.08	0.05
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01	0.04	4260.96	0.08	0.11
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01	0.03	3486.03	0.07	0.09
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01	0.02	2614.52	0.05	0.07
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01	0.02	1448.93	0.07	0.04
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.79	3.19	12.13	0.10		0.10	0.02		0.02	0.06	6972.05	0.13	0.18
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.48	1.12	4.69	0.03		0.03	0.01		0.01	0.02	2442.95	0.09	0.06
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	1.56	0.01		0.01	0.00		0.00	0.01	814.32	0.03	0.02
2	7	a	2-7-a	2-7-aScrapers Cat 657	0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.98	3.98	18.13	0.12		0.12	0.06		0.06	0.08	8703.24	0.35	0.22
2	7	a	2-7-a	2-7-aDozer D9T	0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03	0.04	4564.37	0.18	0.12
2	7	a	2-7-a	2-7-aCat 140M3 Grader	0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.16	0.37	1.66	0.01		0.01	0.00		0.00	0.01	819.29	0.03	0.02
2	7	a	2-7-a	2-7-aCat 374 F L	0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.08	0.21	0.86	0.01		0.01	0.00		0.00	0.00	451.68	0.01	0.01
2	7	a	2-7-a	2-7-a825 Compactors	0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03	0.04	4564.37	0.18	0.12
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.69	1.67	7.08	0.05		0.05	0.01		0.01	0.03	3644.08	0.12	0.09
2	7	a	2-7-a	2-7-aWheel Loader 986 H	0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.54	1.36	5.66	0.04		0.04	0.01		0.01	0.03	2966.35	0.09	0.08
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00	0.02	1957.56	0.08	0.05
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01	0.04	4260.96	0.08	0.11
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01	0.03	3486.03	0.07	0.09
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01	0.02	2614.52	0.05	0.07
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01	0.02	1448.93	0.07	0.04
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01	0.03	3486.03	0.07	0.09
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.32	0.75	3.12	0.02		0.02	0.01		0.01	0.01	1628.63	0.06	0.04
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	1.56	0.01		0.01	0.00		0.00	0.01	814.32	0.03	0.02
2	8	a	2-8-a	2-8-aScrapers Cat 657	0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.98	3.98	18.13	0.12		0.12	0.06		0.06	0.08	8703.24	0.35	0.22
2	8	a	2-8-a	2-8-aDozer D9T	0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03	0.04	4564.37	0.18	0.12
2	8	a	2-8-a	2-8-aCat 140M3 Grader	0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.16	0.37	1.66	0.01		0.01	0.00		0.00	0.01	819.29	0.03	0.02
2	8	a	2-8-a	2-8-aCat 374 F L	0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.08	0.21	0.86	0.01		0.01	0.00		0.00	0.00	451.68	0.01	0.01
2	8	a	2-8-a	2-8-a825 Compactors	0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03	0.04	4564.37	0.18	0.12
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.69	1.67	7.08	0.05		0.05	0.01		0.01	0.03	3644.08	0.12	0.09
2	8	a	2-8-a	2-8-aWheel Loader 986 H	0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.54	1.36	5.66	0.04		0.04	0.01		0.01	0.03	2966.35	0.09	0.08
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.28	0.54	7.66	0.02		0.02	0.00		0.00	0.01	1174.53	0.05	0.03
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01	0.03	3486.03	0.07	0.09
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	0.01	0.01	1167.87	0.38	0.03		51.90	0.15	0.65	2.49	0.02		0.02	0.01		0.01	0.01	1167.87	0.38	0.03		51.90	0.16	0.65	2.51	0.02		0.02	0.00		0.00	0.01	1420.32	0.03	0.04
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.79	3.19	12.13	0.10		0.10	0.02		0.02	0.06	6972.05	0.13	0.18
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05	0.01	589.36	0.05	0.02
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	0.02	0.02	1505.80	0.49	0.04		66.92	0.29	0.83	9.58	0.03		0.03	0.02		0.02	0.02	1505.80	0.49	0.04		66.92	0.48	0.83	10.60	0.03		0.03	0.02		0.02	0.02	1811.16	0.09	0.05
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.79	3.19	12.13	0.10		0.10	0.02		0.02	0.06	6972.05	0.13	0.18
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	1.56	0.01		0.01	0.00		0.00	0.01	814.32	0.03	0.02

Construction - Mitigated Tier 3 and 4.

Equipment Emission Calcs

Parcel	Phase	Activity	Sch Code	lookup for daily	Other	Gal/Day Fuel
5	1	a	5-1-a	5-1-aScrapers Cat 657G		386.79
5	1	a	5-1-a	5-1-aDozer D9T		135.23
5	1	a	5-1-a	5-1-aExcavator 374 FL		40.15
5	1	a	5-1-a	5-1-a825 Compactors		135.23
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader		52.20
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig		126.24
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		116.19
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver		64.39
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		31.43
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		154.92
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane		36.19
4	2	a	4-2-a	4-2-aScrapers Cat 657G		515.72
4	2	a	4-2-a	4-2-aDozer D9T		270.46
4	2	a	4-2-a	4-2-aCat 140M3 Grader		36.41
4	2	a	4-2-a	4-2-aCat 374 F L		40.15
4	2	a	4-2-a	4-2-a825 Compactors		270.46
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770		161.95
4	2	a	4-2-a	4-2-aWheel Loader 986 H		131.83
4	2	b	4-2-b	4-2-bKomatsu PC360LC		160.59
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig		189.36
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader		87.00
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		116.19
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver		64.39
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		26.19
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		154.92
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		144.76
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		36.19
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader		87.00
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig		189.36
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		154.92
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		116.19
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver		64.39
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		26.19
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		154.92
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane		72.38
4	4	a	4-4-a	4-4-aScrapers Cat 657G		386.79
4	4	a	4-4-a	4-4-aDozer D9T		202.85
4	4	a	4-4-a	4-4-aCat 140M3 Grader		18.21
4	4	a	4-4-a	4-4-aCat 374 F L		20.07
4	4	a	4-4-a	4-4-a825 Compactors		135.23
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770		80.97
4	4	a	4-4-a	4-4-aWheel Loader 986 H		65.91
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader		87.00
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig		189.36
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		154.92
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		116.19
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver		64.39
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		26.19
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		154.92
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane		108.57
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657		515.72
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T		270.46
3	2	a	3-2-a	3-2-aScrapers Cat 657		257.86
3	2	a	3-2-a	3-2-aDozer D9T		135.23
3	2	a	3-2-a	3-2-aCat 140M3 Grader		36.41
3	2	a	3-2-a	3-2-aCat 374 F L		40.15
3	2	a	3-2-a	3-2-a825 Compactors		135.23
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770		161.95
3	2	a	3-2-a	3-2-aWheel Loader 986 H		131.83
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader		87.00
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig		189.36
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		154.92
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		116.19
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver		64.39
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		26.19
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		309.85
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane		72.38
1	6	a	1-6-a	1-6-aScrapers Cat 657		386.79
1	6	a	1-6-a	1-6-aDozer D9T		202.85
1	6	a	1-6-a	1-6-aCat 140M3 Grader		36.41
1	6	a	1-6-a	1-6-aCat 374 F L		20.07
1	6	a	1-6-a	1-6-a825 Compactors		202.85
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770		161.95
1	6	a	1-6-a	1-6-aWheel Loader 986 H		131.83
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader		87.00
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig		189.36
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		154.92
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		116.19
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver		64.39
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		26.19
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		309.85
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		108.57
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		36.19
2	7	a	2-7-a	2-7-aScrapers Cat 657		386.79
2	7	a	2-7-a	2-7-aDozer D9T		202.85
2	7	a	2-7-a	2-7-aCat 140M3 Grader		36.41
2	7	a	2-7-a	2-7-aCat 374 F L		20.07
2	7	a	2-7-a	2-7-a825 Compactors		202.85
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770		161.95
2	7	a	2-7-a	2-7-aWheel Loader 986 H		131.83
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader		87.00
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig		189.36
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		154.92
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		116.19
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver		64.39
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		26.19
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		154.92
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		72.38
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		36.19
2	8	a	2-8-a	2-8-aScrapers Cat 657		386.79
2	8	a	2-8-a	2-8-aDozer D9T		202.85
2	8	a	2-8-a	2-8-aCat 140M3 Grader		36.41
2	8	a	2-8-a	2-8-aCat 374 F L		20.07
2	8	a	2-8-a	2-8-a825 Compactors		202.85
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770		161.95
2	8	a	2-8-a	2-8-aWheel Loader 986 H		131.83
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader		52.20
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		154.92
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig		63.12
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		309.85
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		26.19
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver		80.49
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		309.85
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane		36.19

Construction - Mitigated Tier 3 and 4.

Truck Emissions											Pounds per day 2017															Gal/Day					
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	Trucks/ Day	speed	location	Mi/Truck (r/t)	Fuel type	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D
5	1	a	5-1-a	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
5	1	b	5-1-a	Landfill	T7Single	12.00	Aggregate	offsite	7.2	Diesel	0.01	0.30	0.07	0.00	0.18	0.18	0.00	0.05	0.05	0.00	313.70	0.00	0.01		13.94	0.01	0.30	0.07	0.00	0.18
5	1	c	5-1-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
5	1	c	5-1-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
5	1	c	5-1-c	Concrete	T7Single	12.00	Aggregate	offsite	4	Diesel	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	174.28	0.00	0.01		7.75	0.01	0.17	0.04	0.00	0.10
5	1	d	5-1-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	Diesel	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.43	0.00	0.00		3.49	0.00	0.10	0.02	0.00	0.06
5	1	d	5-1-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
5	1	d	5-1-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
5	1	e	5-1-e	Delivery	T6Heavy	15.00	Aggregate	offsite	14.6	Diesel	0.02	0.71	0.11	0.00	0.47	0.47	0.00	0.13	0.13	0.01	588.23	0.00	0.02		26.14	0.02	0.74	0.12	0.00	0.45
5	1	e	5-1-e	Concrete	T7Single	5.00	Aggregate	offsite	4	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
4	2	a	4-2-a	Dump	T7Single	5.00	Aggregate	offsite	7.2	Diesel	0.01	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	130.71	0.00	0.00		5.81	0.01	0.13	0.03	0.00	0.07
4	2	b	4-2-b	Landfill	T7Single	34.30	Aggregate	offsite	7.2	Diesel	0.04	0.85	0.20	0.00	0.51	0.51	0.00	0.13	0.14	0.01	896.67	0.00	0.03		39.85	0.04	0.86	0.21	0.00	0.51
4	2	c	4-2-c	Delivery	T6Heavy	21.00	Aggregate	offsite	14.6	Diesel	0.03	0.99	0.16	0.00	0.66	0.66	0.00	0.18	0.18	0.01	823.52	0.00	0.03		36.60	0.03	1.03	0.16	0.00	0.63
4	2	c	4-2-c	Dump	T7Single	9.00	Aggregate	offsite	7.2	Diesel	0.01	0.22	0.05	0.00	0.13	0.13	0.00	0.03	0.04	0.00	235.28	0.00	0.01		10.46	0.01	0.23	0.05	0.00	0.13
4	2	c	4-2-c	Concrete	T7Single	36.00	Aggregate	offsite	4	Diesel	0.02	0.50	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	522.84	0.00	0.02		23.24	0.02	0.50	0.12	0.00	0.30
4	2	d	4-2-d	Delivery	T6Heavy	8.00	Aggregate	offsite	14.6	Diesel	0.01	0.38	0.06	0.00	0.25	0.25	0.00	0.07	0.07	0.00	313.72	0.00	0.01		13.94	0.01	0.39	0.06	0.00	0.24
4	2	d	4-2-d	Asphalt	T7Single	8.00	Aggregate	offsite	10	Diesel	0.01	0.28	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	290.47	0.00	0.01		12.91	0.01	0.28	0.07	0.00	0.16
4	2	d	4-2-d	Concrete	T7Single	8.00	Aggregate	offsite	4	Diesel	0.00	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	116.19	0.00	0.00		5.16	0.00	0.11	0.03	0.00	0.07
4	2	e	4-2-e	Delivery	T6Heavy	15.00	Aggregate	offsite	14.6	Diesel	0.02	0.71	0.11	0.00	0.47	0.47	0.00	0.13	0.13	0.01	588.23	0.00	0.02		26.14	0.02	0.74	0.12	0.00	0.45
4	2	e	4-2-e	Concrete	T7Single	14.00	Aggregate	offsite	4	Diesel	0.01	0.19	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	203.33	0.00	0.01		9.04	0.01	0.19	0.05	0.00	0.11
4	3	c	4-3-c	Delivery	T6Heavy	14.00	Aggregate	offsite	14.6	Diesel	0.02	0.66	0.11	0.00	0.44	0.44	0.00	0.12	0.12	0.01	549.01	0.00	0.02		24.40	0.02	0.69	0.11	0.00	0.42
4	3	c	4-3-c	Dump	T7Single	6.00	Aggregate	offsite	7.2	Diesel	0.01	0.15	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	156.85	0.00	0.01		6.97	0.01	0.15	0.04	0.00	0.09
4	3	c	4-3-c	Concrete	T7Single	24.00	Aggregate	offsite	4	Diesel	0.01	0.33	0.08	0.00	0.20	0.20	0.00	0.05	0.05	0.00	348.56	0.00	0.01		15.49	0.01	0.33	0.08	0.00	0.20
4	3	d	4-3-d	Delivery	T6Heavy	1.00	Aggregate	offsite	14.6	Diesel	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.22	0.00	0.00		1.74	0.00	0.05	0.01	0.00	0.03
4	3	d	4-3-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
4	3	d	4-3-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
4	3	e	4-3-e	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
4	3	e	4-3-e	Concrete	T7Single	3.00	Aggregate	offsite	4	Diesel	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	43.57	0.00	0.00		1.94	0.00	0.04	0.01	0.00	0.02
4	4	a	4-4-a	Landfill	T7Single	3.23	Aggregate	offsite	7.2	Diesel	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	84.56	0.00	0.00		3.76	0.00	0.08	0.02	0.00	0.05
4	4	a	4-4-a	Dump	T7Single	20.00	Aggregate	offsite	7.2	Diesel	0.02	0.50	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	522.84	0.00	0.02		23.24	0.02	0.50	0.12	0.00	0.30
4	4	c	4-4-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
4	4	c	4-4-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
4	4	c	4-4-c	Concrete	T7Single	12.00	Aggregate	offsite	4	Diesel	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	174.28	0.00	0.01		7.75	0.01	0.17	0.04	0.00	0.10
4	4	d	4-4-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	Diesel	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.43	0.00	0.00		3.49	0.00	0.10	0.02	0.00	0.06
4	4	d	4-4-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
4	4	d	4-4-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
4	4	e	4-4-e	Delivery	T6Heavy	17.00	Aggregate	offsite	14.6	Diesel	0.03	0.80	0.13	0.00	0.53	0.54	0.00	0.15	0.15	0.01	666.66	0.00	0.02		29.63	0.03	0.84	0.13	0.00	0.51
4	4	e	4-4-e	Concrete	T7Single	6.00	Aggregate	offsite	4	Diesel	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	87.14	0.00	0.00		3.87	0.00	0.08	0.02	0.00	0.05
3	2	a	3-2-a	Landfill	T7Single	0.70	Aggregate	offsite	7.2	Diesel	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	18.30	0.00	0.00		0.81	0.00	0.02	0.00	0.00	0.01
3	2	a	3-2-a	Dump	T7Single	2.00	Aggregate	offsite	7.2	Diesel	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	52.28	0.00	0.00		2.32	0.00	0.05	0.01	0.00	0.03
3	5	c	3-5-c	Delivery	T6Heavy	5.00	Aggregate	offsite	14.6	Diesel	0.01	0.24	0.04	0.00	0.16	0.16	0.00	0.04	0.04	0.00	196.08	0.00	0.01		8.71	0.01	0.25	0.04	0.00	0.15
3	5	c	3-5-c	Dump	T7Single	4.73	Aggregate	offsite	7.2	Diesel	0.00	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	123.74	0.00	0.00		5.50	0.01	0.12	0.03	0.00	0.07
3	5	c	3-5-c	Concrete	T7Single	5.00	Aggregate	offsite	4	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
3	5	d	3-5-d	Delivery	T6Heavy	1.02	Aggregate	offsite	14.6	Diesel	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	40.00	0.00	0.00		1.78	0.00	0.05	0.01	0.00	0.03
3	5	d	3-5-d	Asphalt	T7Single	1.00	Aggregate	offsite	10	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	36.31	0.00	0.00		1.61	0.00	0.03	0.01	0.00	0.02
3	5	d	3-5-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
3	5	e	3-5-e	Delivery	T6Heavy	11.00	Aggregate	offsite	14.6	Diesel	0.02	0.52	0.08	0.00	0.35	0.35	0.00	0.09	0.10	0.00	431.37	0.00	0.01		19.17	0.02	0.54	0.09	0.00	0.33
3	5	e	3-5-e	Concrete	T7Single	4.00	Aggregate	offsite	4	Diesel	0.00	0.06	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	58.09	0.00	0.00		2.58	0.00	0.06	0.01	0.00	0.03
1	6	a	1-6-a	Dump	T7Single	1.00	Aggregate	offsite	7.2	Diesel	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	26.14	0.00	0.00		1.16	0.00	0.03	0.01	0.00	0.01
1	6	c	1-6-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
1	6	c	1-6-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
1	6	c	1-6-c	Concrete	T7Single	12.00	Aggregate	offsite	4	Diesel	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	174.28	0.00	0.01		7.75	0.01	0.17	0.04	0.00	0.10
1	6	d	1-6-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	Diesel	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.43	0.00	0.00		3.49	0.00	0.10	0.02	0.00	0.06
1	6	d	1-6-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
1	6	d	1-6-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
1	6	e	1-6-e	Delivery	T6Heavy	16.00	Aggregate	offsite	14.6	Diesel	0.02	0.75	0.12	0.00	0.50	0.50	0.00	0.14	0.14	0.01	627.44	0.00	0.02		27.88	0.02	0.79	0.13	0.00	0.48
1	6	e	1-6-e	Concrete	T7Single	5.00	Aggregate	offsite	4	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
2	7	a	2-7-a	Dump	T7Single	1.00	Aggregate	offsite	7.2	Diesel	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	26.14	0.00	0.00		1.16	0.00	0.03	0.01	0.00	0.01
2	7	c	2-7-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
2	7	c	2-7-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
2	7	c	2-7-c	Concrete	T7Single	12.00	Aggregate	offsite	4	Diesel	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	174.28	0.00	0.01		7.75	0.01	0.17	0.04	0.00	0.10
2	7	d	2-7-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	Diesel	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.43	0.00	0.00		3.49	0.00	0.10	0.02	0.00	0.06
2	7	d	2-7-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
2	7	d	2-7-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
2	7	e	2-7-e	Delivery	T6Heavy	14.00	Aggregate	offsite	14.6	Diesel	0.02	0.66	0.11	0.00	0.44	0.44	0.00	0.12	0.12	0.01	549.01	0.00	0.02		24.40	0.02	0.69	0.11	0.00	0.42
2	7	e	2-7-e	Concrete	T7Single	5.00	Aggregate	offsite	4	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
2	8	a	2-8-a	Dump	T7Single	1.00	Aggregate	offsite	7.2	Diesel	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	26.14	0.00	0.00		1.16	0.00	0.03	0.01	0.00	0.01
2	8	c	2-8-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
2	8	c	2-8-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
2	8	c	2-8-c	Concrete	T7Single	12.00	Aggregate	offsite	4	Diesel	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	174.28	0.00	0.01		7.75	0.01	0.17	0.04	0.00	0.10
2	8	d	2-8-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	Diesel	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.43	0.00	0.00		3.49	0.00	0.10	0.02	0.00	0.06
2	8	d	2-8-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
2	8	d	2-8-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
2	8	e	2-8-e	Delivery	T6Heavy	14.00	Aggregate	offsite	14.6	Diesel	0.02	0.66	0.11	0.00	0.44	0.44	0.00	0.12	0.12	0.01	549.01	0.00	0.02		24.40	0.02	0.69	0.11	0.00	0.42
2	8	e	2-8-e	Concrete	T7Single	5.00	Aggregate	offsite	4	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04

Construction - Mitigated Tier 3 and 4.

Truck Emissions						Pounds per day 2018									Gal/Day	Pounds per day 2019														Gal/Day
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	1	a	5-1-a	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44
5	1	b	5-1-a	Landfill	T7Single	0.18	0.00	0.05	0.05	0.00	311.75	0.00	0.01		13.85	0.01	0.30	0.07	0.00	0.18	0.18	0.00	0.05	0.05	0.00	309.56	0.00	0.01		13.76
5	1	c	5-1-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14
5	1	c	5-1-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44
5	1	c	5-1-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	173.19	0.00	0.01		7.70	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.98	0.00	0.01		7.64
5	1	d	5-1-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	78.26	0.00	0.00		3.48	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.04	0.00	0.00		3.47
5	1	d	5-1-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18
5	1	d	5-1-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27
5	1	e	5-1-e	Delivery	T6Heavy	0.45	0.00	0.12	0.12	0.01	586.98	0.00	0.02		26.09	0.02	0.76	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	585.28	0.00	0.02		26.01
5	1	e	5-1-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18
4	2	a	4-2-a	Dump	T7Single	0.07	0.00	0.02	0.02	0.00	129.89	0.00	0.00		5.77	0.01	0.13	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	128.98	0.00	0.00		5.73
4	2	b	4-2-b	Landfill	T7Single	0.51	0.00	0.13	0.14	0.01	891.07	0.00	0.03		39.60	0.04	0.86	0.21	0.00	0.51	0.51	0.00	0.13	0.14	0.01	884.82	0.00	0.03		39.32
4	2	c	4-2-c	Delivery	T6Heavy	0.63	0.00	0.16	0.17	0.01	821.77	0.00	0.03		36.52	0.03	1.07	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	819.39	0.00	0.03		36.41
4	2	c	4-2-c	Dump	T7Single	0.13	0.00	0.03	0.04	0.00	233.81	0.00	0.01		10.39	0.01	0.23	0.05	0.00	0.13	0.13	0.00	0.03	0.04	0.00	232.17	0.00	0.01		10.32
4	2	c	4-2-c	Concrete	T7Single	0.30	0.00	0.08	0.08	0.00	519.58	0.00	0.02		23.09	0.02	0.50	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	515.93	0.00	0.02		22.93
4	2	d	4-2-d	Delivery	T6Heavy	0.24	0.00	0.06	0.06	0.00	313.05	0.00	0.01		13.91	0.01	0.41	0.06	0.00	0.24	0.24	0.00	0.06	0.06	0.00	312.15	0.00	0.01		13.87
4	2	d	4-2-d	Asphalt	T7Single	0.17	0.00	0.04	0.04	0.00	288.65	0.00	0.01		12.83	0.01	0.28	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	286.63	0.00	0.01		12.74
4	2	d	4-2-d	Concrete	T7Single	0.07	0.00	0.02	0.02	0.00	115.46	0.00	0.00		5.13	0.00	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	114.65	0.00	0.00		5.10
4	2	e	4-2-e	Delivery	T6Heavy	0.45	0.00	0.12	0.12	0.01	586.98	0.00	0.02		26.09	0.02	0.76	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	585.28	0.00	0.02		26.01
4	2	e	4-2-e	Concrete	T7Single	0.12	0.00	0.03	0.03	0.00	202.06	0.00	0.01		8.98	0.01	0.19	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	200.64	0.00	0.01		8.92
4	3	c	4-3-c	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	547.84	0.00	0.02		24.35	0.02	0.71	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	546.26	0.00	0.02		24.28
4	3	c	4-3-c	Dump	T7Single	0.09	0.00	0.02	0.02	0.00	155.87	0.00	0.01		6.93	0.01	0.15	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	154.78	0.00	0.01		6.88
4	3	c	4-3-c	Concrete	T7Single	0.20	0.00	0.05	0.05	0.00	346.38	0.00	0.01		15.39	0.01	0.33	0.08	0.00	0.20	0.20	0.00	0.05	0.05	0.00	343.95	0.00	0.01		15.29
4	3	d	4-3-d	Delivery	T6Heavy	0.03	0.00	0.01	0.01	0.00	39.13	0.00	0.00		1.74	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.02	0.00	0.00		1.73
4	3	d	4-3-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18
4	3	d	4-3-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27
4	3	e	4-3-e	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14
4	3	e	4-3-e	Concrete	T7Single	0.02	0.00	0.01	0.01	0.00	43.30	0.00	0.00		1.92	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	42.99	0.00	0.00		1.91
4	4	a	4-4-a	Landfill	T7Single	0.05	0.00	0.01	0.01	0.00	84.04	0.00	0.00		3.73	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	83.45	0.00	0.00		3.71
4	4	a	4-4-a	Dump	T7Single	0.30	0.00	0.08	0.08	0.00	519.58	0.00	0.02		23.09	0.02	0.50	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	515.93	0.00	0.02		22.93
4	4	c	4-4-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14
4	4	c	4-4-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44
4	4	c	4-4-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	173.19	0.00	0.01		7.70	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.98	0.00	0.01		7.64
4	4	d	4-4-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	78.26	0.00	0.00		3.48	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.04	0.00	0.00		3.47
4	4	d	4-4-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18
4	4	d	4-4-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27
4	4	e	4-4-e	Delivery	T6Heavy	0.51	0.00	0.13	0.14	0.01	665.24	0.00	0.02		29.56	0.03	0.86	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	663.31	0.00	0.02		29.48
4	4	e	4-4-e	Concrete	T7Single	0.05	0.00	0.01	0.01	0.00	86.60	0.00	0.00		3.85	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	85.99	0.00	0.00		3.82
3	2	a	3-2-a	Landfill	T7Single	0.01	0.00	0.00	0.00	0.00	18.19	0.00	0.00		0.81	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	18.06	0.00	0.00		0.80
3	2	a	3-2-a	Dump	T7Single	0.03	0.00	0.01	0.01	0.00	51.96	0.00	0.00		2.31	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	51.59	0.00	0.00		2.29
3	5	c	3-5-c	Delivery	T6Heavy	0.15	0.00	0.04	0.04	0.00	195.66	0.00	0.01		8.70	0.01	0.25	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	195.09	0.00	0.01		8.67
3	5	c	3-5-c	Dump	T7Single	0.07	0.00	0.02	0.02	0.00	122.97	0.00	0.00		5.46	0.01	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	122.10	0.00	0.00		5.43
3	5	c	3-5-c	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18
3	5	d	3-5-d	Delivery	T6Heavy	0.03	0.00	0.01	0.01	0.00	39.91	0.00	0.00		1.77	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.80	0.00	0.00		1.77
3	5	d	3-5-d	Asphalt	T7Single	0.02	0.00	0.01	0.01	0.00	36.08	0.00	0.00		1.60	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	35.83	0.00	0.00		1.59
3	5	d	3-5-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27
3	5	e	3-5-e	Delivery	T6Heavy	0.33	0.00	0.09	0.09	0.00	430.45	0.00	0.01		19.13	0.02	0.56	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	429.20	0.00	0.01		19.07
3	5	e	3-5-e	Concrete	T7Single	0.03	0.00	0.01	0.01	0.00	57.73	0.00	0.00		2.57	0.00	0.06	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	57.33	0.00	0.00		2.55
1	6	a	1-6-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	25.98	0.00	0.00		1.15	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.80	0.00	0.00		1.15
1	6	c	1-6-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14
1	6	c	1-6-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44
1	6	c	1-6-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	173.19	0.00	0.01		7.70	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.98	0.00	0.01		7.64
1	6	d	1-6-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	78.26	0.00	0.00		3.48	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.04	0.00	0.00		3.47
1	6	d	1-6-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18
1	6	d	1-6-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27
1	6	e	1-6-e	Delivery	T6Heavy	0.48	0.00	0.13	0.13	0.01	626.11	0.00	0.02		27.83	0.03	0.81	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	624.30	0.00	0.02		27.74
1	6	e	1-6-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18
2	7	a	2-7-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	25.98	0.00	0.00		1.15	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.80	0.00	0.00		1.15
2	7	c	2-7-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14
2	7	c	2-7-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44
2	7	c	2-7-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	173.19	0.00	0.01		7.70	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.98	0.00	0.01		7.64
2	7	d	2-7-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	78.26	0.00	0.00		3.48	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.04	0.00	0.00		3.47
2	7	d	2-7-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18
2	7	d	2-7-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27
2	7	e	2-7-e	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	547.84	0.00	0.02		24.35	0.02	0.71	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	546.26	0.00	0.02		24.28
2	7	e	2-7-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18
2	8	a	2-8-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	25.98	0.00	0.00		1.15	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.80	0.00	0.00		1.15
2	8	c	2-8-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14
2	8	c	2-8-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44
2	8	c	2-8-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	173.19	0.00	0.01		7.70	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.98	0.00	0.01		7.64
2	8	d	2-8-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	78.26	0.00	0.00		3.48	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.04	0.00	0.00		3.47
2	8	d	2-8-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18
2	8	d	2-8-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27
2	8	e	2-8-e	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	547.84	0.00	0.02		24.35	0.02	0.71	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	546.26	0.00	0.02		24.28
2	8	e	2-8-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18

Construction - Mitigated Tier 3 and 4.

Truck Emissions						Pounds per day 2020													Gal/Day	Pounds per day 2021									
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
5	1	a	5-1-a	Dump	T7Single	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
5	1	b	5-1-a	Landfill	T7Single	0.01	0.31	0.07	0.00	0.18	0.18	0.00	0.05	0.05	0.00	308.82	0.00	0.01		13.72	0.01	0.30	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00
5	1	c	5-1-c	Delivery	T6Heavy	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
5	1	c	5-1-c	Dump	T7Single	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
5	1	c	5-1-c	Concrete	T7Single	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.56	0.00	0.01		7.62	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00
5	1	d	5-1-d	Delivery	T6Heavy	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.80	0.00	0.00		3.46	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00
5	1	d	5-1-d	Asphalt	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
5	1	d	5-1-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
5	1	e	5-1-e	Delivery	T6Heavy	0.02	0.78	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	583.53	0.00	0.02		25.93	0.02	0.79	0.13	0.00	0.45	0.45	0.00	0.12	0.12	0.01
5	1	e	5-1-e	Concrete	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
4	2	a	4-2-a	Dump	T7Single	0.01	0.13	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	128.67	0.00	0.00		5.72	0.01	0.13	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00
4	2	b	4-2-b	Landfill	T7Single	0.04	0.87	0.21	0.00	0.51	0.51	0.00	0.13	0.14	0.01	882.70	0.00	0.03		39.23	0.04	0.86	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01
4	2	c	4-2-c	Delivery	T6Heavy	0.03	1.10	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	816.94	0.00	0.03		36.31	0.03	1.10	0.18	0.00	0.63	0.63	0.00	0.16	0.17	0.01
4	2	c	4-2-c	Dump	T7Single	0.01	0.23	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	231.61	0.00	0.01		10.29	0.01	0.23	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00
4	2	c	4-2-c	Concrete	T7Single	0.02	0.51	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	514.69	0.00	0.02		22.87	0.02	0.50	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00
4	2	d	4-2-d	Delivery	T6Heavy	0.01	0.42	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	311.22	0.00	0.01		13.83	0.01	0.42	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00
4	2	d	4-2-d	Asphalt	T7Single	0.01	0.28	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	285.94	0.00	0.01		12.71	0.01	0.28	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00
4	2	d	4-2-d	Concrete	T7Single	0.00	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	114.38	0.00	0.00		5.08	0.00	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00
4	2	e	4-2-e	Delivery	T6Heavy	0.02	0.78	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	583.53	0.00	0.02		25.93	0.02	0.79	0.13	0.00	0.45	0.45	0.00	0.12	0.12	0.01
4	2	e	4-2-e	Concrete	T7Single	0.01	0.20	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	200.16	0.00	0.01		8.90	0.01	0.20	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00
4	3	c	4-3-c	Delivery	T6Heavy	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	544.63	0.00	0.02		24.20	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01
4	3	c	4-3-c	Dump	T7Single	0.01	0.15	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	154.41	0.00	0.01		6.86	0.01	0.15	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00
4	3	c	4-3-c	Concrete	T7Single	0.01	0.34	0.08	0.00	0.20	0.20	0.00	0.05	0.05	0.00	343.13	0.00	0.01		15.25	0.01	0.33	0.08	0.00	0.20	0.20	0.00	0.05	0.05	0.00
4	3	d	4-3-d	Delivery	T6Heavy	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.90	0.00	0.00		1.73	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00
4	3	d	4-3-d	Asphalt	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
4	3	d	4-3-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
4	3	e	4-3-e	Delivery	T6Heavy	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
4	3	e	4-3-e	Concrete	T7Single	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	42.89	0.00	0.00		1.91	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00
4	4	a	4-4-a	Landfill	T7Single	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	83.25	0.00	0.00		3.70	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00
4	4	a	4-4-a	Dump	T7Single	0.02	0.51	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	514.69	0.00	0.02		22.87	0.02	0.50	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00
4	4	c	4-4-c	Delivery	T6Heavy	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
4	4	c	4-4-c	Dump	T7Single	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
4	4	c	4-4-c	Concrete	T7Single	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.56	0.00	0.01		7.62	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00
4	4	d	4-4-d	Delivery	T6Heavy	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.80	0.00	0.00		3.46	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00
4	4	d	4-4-d	Asphalt	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
4	4	d	4-4-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
4	4	e	4-4-e	Delivery	T6Heavy	0.03	0.89	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	661.33	0.00	0.02		29.39	0.03	0.89	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01
4	4	e	4-4-e	Concrete	T7Single	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	85.78	0.00	0.00		3.81	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00
3	2	a	3-2-a	Landfill	T7Single	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	18.01	0.00	0.00		0.80	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
3	2	a	3-2-a	Dump	T7Single	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	51.47	0.00	0.00		2.29	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00
3	5	c	3-5-c	Delivery	T6Heavy	0.01	0.26	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	194.51	0.00	0.01		8.64	0.01	0.26	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00
3	5	c	3-5-c	Dump	T7Single	0.01	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	121.81	0.00	0.00		5.41	0.01	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00
3	5	c	3-5-c	Concrete	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
3	5	d	3-5-d	Delivery	T6Heavy	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.68	0.00	0.00		1.76	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00
3	5	d	3-5-d	Asphalt	T7Single	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	35.74	0.00	0.00		1.59	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00
3	5	d	3-5-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
3	5	e	3-5-e	Delivery	T6Heavy	0.02	0.57	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	427.92	0.00	0.01		19.02	0.02	0.58	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00
3	5	e	3-5-e	Concrete	T7Single	0.00	0.06	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	57.19	0.00	0.00		2.54	0.00	0.06	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00
1	6	a	1-6-a	Dump	T7Single	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.73	0.00	0.00		1.14	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
1	6	c	1-6-c	Delivery	T6Heavy	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
1	6	c	1-6-c	Dump	T7Single	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
1	6	c	1-6-c	Concrete	T7Single	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.56	0.00	0.01		7.62	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00
1	6	d	1-6-d	Delivery	T6Heavy	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.80	0.00	0.00		3.46	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00
1	6	d	1-6-d	Asphalt	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
1	6	d	1-6-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
1	6	e	1-6-e	Delivery	T6Heavy	0.03	0.83	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	622.43	0.00	0.02		27.66	0.03	0.84	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01
1	6	e	1-6-e	Concrete	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	7	a	2-7-a	Dump	T7Single	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.73	0.00	0.00		1.14	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
2	7	c	2-7-c	Delivery	T6Heavy	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
2	7	c	2-7-c	Dump	T7Single	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	7	c	2-7-c	Concrete	T7Single	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.56	0.00	0.01		7.62	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00
2	7	d	2-7-d	Delivery	T6Heavy	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.80	0.00	0.00		3.46	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00
2	7	d	2-7-d	Asphalt	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	7	d	2-7-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
2	7	e	2-7-e	Delivery	T6Heavy	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	544.63	0.00	0.02		24.20	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01
2	7	e	2-7-e	Concrete	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	8	a	2-8-a	Dump	T7Single	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.73	0.00	0.00		1.14	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
2	8	c	2-8-c	Delivery	T6Heavy	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
2	8	c	2-8-c	Dump	T7Single	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	8	c	2-8-c	Concrete	T7Single	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.56	0.00	0.01		7.62	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00
2	8	d	2-8-d	Delivery	T6Heavy	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.80	0.00	0.00		3.46	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00
2	8	d	2-8-d	Asphalt	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	8	d	2-8-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
2	8	e	2-8-e	Delivery	T6Heavy	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	544.63	0.00	0.02		24.20	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01
2	8	e	2-8-e	Concrete	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00

Construction - Mitigated Tier 3 and 4.

Truck Emissions										Gal/Day	Pounds per day 2022														Gal/Day					
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D
5	1	a	5-1-a	Dump	T7Single	76.55	0.00	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04
5	1	b	5-1-a	Landfill	T7Single	306.18	0.00	0.01		13.61	0.01	0.29	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	303.57	0.00	0.01		13.49	0.01	0.27	0.08	0.00	0.18
5	1	c	5-1-c	Delivery	T6Heavy	271.15	0.00	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21
5	1	c	5-1-c	Dump	T7Single	76.55	0.00	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04
5	1	c	5-1-c	Concrete	T7Single	170.10	0.00	0.01		7.56	0.01	0.16	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	168.65	0.00	0.01		7.50	0.01	0.15	0.04	0.00	0.10
5	1	d	5-1-d	Delivery	T6Heavy	77.47	0.00	0.00		3.44	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.02	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06
5	1	d	5-1-d	Asphalt	T7Single	70.88	0.00	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04
5	1	d	5-1-d	Concrete	T7Single	28.35	0.00	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02
5	1	e	5-1-e	Delivery	T6Heavy	581.03	0.00	0.02		25.82	0.02	0.78	0.13	0.00	0.45	0.45	0.00	0.12	0.12	0.01	577.63	0.00	0.02		25.67	0.02	0.68	0.12	0.00	0.45
5	1	e	5-1-e	Concrete	T7Single	70.88	0.00	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04
4	2	a	4-2-a	Dump	T7Single	127.58	0.00	0.00		5.67	0.01	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	126.49	0.00	0.00		5.62	0.01	0.11	0.03	0.00	0.07
4	2	b	4-2-b	Landfill	T7Single	875.17	0.00	0.03		38.89	0.04	0.84	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	867.70	0.00	0.03		38.56	0.04	0.77	0.22	0.00	0.51
4	2	c	4-2-c	Delivery	T6Heavy	813.45	0.00	0.03		36.15	0.03	1.10	0.18	0.00	0.63	0.63	0.00	0.16	0.17	0.01	808.68	0.00	0.03		35.94	0.03	0.95	0.17	0.00	0.63
4	2	c	4-2-c	Dump	T7Single	229.64	0.00	0.01		10.21	0.01	0.22	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	227.68	0.00	0.01		10.12	0.01	0.20	0.06	0.00	0.13
4	2	c	4-2-c	Concrete	T7Single	510.30	0.00	0.02		22.68	0.02	0.49	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	505.95	0.00	0.02		22.49	0.02	0.45	0.13	0.00	0.30
4	2	d	4-2-d	Delivery	T6Heavy	309.89	0.00	0.01		13.77	0.01	0.42	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	308.07	0.00	0.01		13.69	0.01	0.36	0.06	0.00	0.24
4	2	d	4-2-d	Asphalt	T7Single	283.50	0.00	0.01		12.60	0.01	0.27	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	281.08	0.00	0.01		12.49	0.01	0.25	0.07	0.00	0.16
4	2	d	4-2-d	Concrete	T7Single	113.40	0.00	0.00		5.04	0.00	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	112.43	0.00	0.00		5.00	0.00	0.10	0.03	0.00	0.07
4	2	e	4-2-e	Delivery	T6Heavy	581.03	0.00	0.02		25.82	0.02	0.78	0.13	0.00	0.45	0.45	0.00	0.12	0.12	0.01	577.63	0.00	0.02		25.67	0.02	0.68	0.12	0.00	0.45
4	2	e	4-2-e	Concrete	T7Single	198.45	0.00	0.01		8.82	0.01	0.19	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	196.76	0.00	0.01		8.74	0.01	0.18	0.05	0.00	0.11
4	3	c	4-3-c	Delivery	T6Heavy	542.30	0.00	0.02		24.10	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	539.12	0.00	0.02		23.96	0.02	0.64	0.11	0.00	0.42
4	3	c	4-3-c	Dump	T7Single	153.09	0.00	0.00		6.80	0.01	0.15	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	151.78	0.00	0.00		6.75	0.01	0.14	0.04	0.00	0.09
4	3	c	4-3-c	Concrete	T7Single	340.20	0.00	0.01		15.12	0.01	0.33	0.08	0.00	0.20	0.20	0.00	0.05	0.05	0.00	337.30	0.00	0.01		14.99	0.01	0.30	0.08	0.00	0.20
4	3	d	4-3-d	Delivery	T6Heavy	38.74	0.00	0.00		1.72	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.51	0.00	0.00		1.71	0.00	0.05	0.01	0.00	0.03
4	3	d	4-3-d	Asphalt	T7Single	70.88	0.00	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04
4	3	d	4-3-d	Concrete	T7Single	28.35	0.00	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02
4	3	e	4-3-e	Delivery	T6Heavy	271.15	0.00	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21
4	3	e	4-3-e	Concrete	T7Single	42.53	0.00	0.00		1.89	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	42.16	0.00	0.00		1.87	0.00	0.04	0.01	0.00	0.02
4	4	a	4-4-a	Landfill	T7Single	82.54	0.00	0.00		3.67	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	81.83	0.00	0.00		3.64	0.00	0.07	0.02	0.00	0.05
4	4	a	4-4-a	Dump	T7Single	510.30	0.00	0.02		22.68	0.02	0.49	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	505.95	0.00	0.02		22.49	0.02	0.45	0.13	0.00	0.30
4	4	c	4-4-c	Delivery	T6Heavy	271.15	0.00	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21
4	4	c	4-4-c	Dump	T7Single	76.55	0.00	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04
4	4	c	4-4-c	Concrete	T7Single	170.10	0.00	0.01		7.56	0.01	0.16	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	168.65	0.00	0.01		7.50	0.01	0.15	0.04	0.00	0.10
4	4	d	4-4-d	Delivery	T6Heavy	77.47	0.00	0.00		3.44	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.02	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06
4	4	d	4-4-d	Asphalt	T7Single	70.88	0.00	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04
4	4	d	4-4-d	Concrete	T7Single	28.35	0.00	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02
4	4	e	4-4-e	Delivery	T6Heavy	658.51	0.00	0.02		29.27	0.03	0.89	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	654.65	0.00	0.02		29.09	0.03	0.77	0.14	0.00	0.51
4	4	e	4-4-e	Concrete	T7Single	85.05	0.00	0.00		3.78	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	84.32	0.00	0.00		3.75	0.00	0.08	0.02	0.00	0.05
3	2	a	3-2-a	Landfill	T7Single	17.86	0.00	0.00		0.79	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.71	0.00	0.00		0.79	0.00	0.02	0.00	0.00	0.01
3	2	a	3-2-a	Dump	T7Single	51.03	0.00	0.00		2.27	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	50.59	0.00	0.00		2.25	0.00	0.05	0.01	0.00	0.03
3	5	c	3-5-c	Delivery	T6Heavy	193.68	0.00	0.01		8.61	0.01	0.26	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	192.54	0.00	0.01		8.56	0.01	0.23	0.04	0.00	0.15
3	5	c	3-5-c	Dump	T7Single	120.77	0.00	0.00		5.37	0.01	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	119.74	0.00	0.00		5.32	0.01	0.11	0.03	0.00	0.07
3	5	c	3-5-c	Concrete	T7Single	70.88	0.00	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04
3	5	d	3-5-d	Delivery	T6Heavy	39.51	0.00	0.00		1.76	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.28	0.00	0.00		1.75	0.00	0.05	0.01	0.00	0.03
3	5	d	3-5-d	Asphalt	T7Single	35.44	0.00	0.00		1.57	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	35.14	0.00	0.00		1.56	0.00	0.03	0.01	0.00	0.02
3	5	d	3-5-d	Concrete	T7Single	28.35	0.00	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02
3	5	e	3-5-e	Delivery	T6Heavy	426.09	0.00	0.01		18.94	0.02	0.57	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	423.60	0.00	0.01		18.83	0.02	0.50	0.09	0.00	0.33
3	5	e	3-5-e	Concrete	T7Single	56.70	0.00	0.00		2.52	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	56.22	0.00	0.00		2.50	0.00	0.05	0.01	0.00	0.03
1	6	a	1-6-a	Dump	T7Single	25.52	0.00	0.00		1.13	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.30	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01
1	6	c	1-6-c	Delivery	T6Heavy	271.15	0.00	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21
1	6	c	1-6-c	Dump	T7Single	76.55	0.00	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04
1	6	c	1-6-c	Concrete	T7Single	170.10	0.00	0.01		7.56	0.01	0.16	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	168.65	0.00	0.01		7.50	0.01	0.15	0.04	0.00	0.10
1	6	d	1-6-d	Delivery	T6Heavy	77.47	0.00	0.00		3.44	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.02	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06
1	6	d	1-6-d	Asphalt	T7Single	70.88	0.00	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04
1	6	d	1-6-d	Concrete	T7Single	28.35	0.00	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02
1	6	e	1-6-e	Delivery	T6Heavy	619.77	0.00	0.02		27.54	0.03	0.84	0.14	0.00	0.48	0.48	0.00	0.13	0.13	0.01	616.14	0.00	0.02		27.38	0.02	0.73	0.13	0.00	0.48
1	6	e	1-6-e	Concrete	T7Single	70.88	0.00	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04
2	7	a	2-7-a	Dump	T7Single	25.52	0.00	0.00		1.13	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.30	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01
2	7	c	2-7-c	Delivery	T6Heavy	271.15	0.00	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21
2	7	c	2-7-c	Dump	T7Single	76.55	0.00	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04
2	7	c	2-7-c	Concrete	T7Single	170.10	0.00	0.01		7.56	0.01	0.16	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	168.65	0.00	0.01		7.50	0.01	0.15	0.04	0.00	0.10
2	7	d	2-7-d	Delivery	T6Heavy	77.47	0.00	0.00		3.44	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.02	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06
2	7	d	2-7-d	Asphalt	T7Single	70.88	0.00	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04
2	7	d	2-7-d	Concrete	T7Single	28.35	0.00	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02
2	7	e	2-7-e	Delivery	T6Heavy	542.30	0.00	0.02		24.10	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	539.12	0.00	0.02		23.96	0.02	0.64	0.11	0.00	0.42
2	7	e	2-7-e	Concrete	T7Single	70.88	0.00	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04
2	8	a	2-8-a	Dump	T7Single	25.52	0.00	0.00		1.13	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.30	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01
2	8	c	2-8-c	Delivery	T6Heavy	271.15	0.00	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21
2	8	c	2-8-c	Dump	T7Single	76.55	0.00	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04
2	8	c	2-8-c	Concrete	T7Single	170.10	0.00	0.01		7.56	0.01	0.16	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	168.65	0.00	0.01		7.50	0.01	0.15	0.04	0.00	0.10
2	8	d	2-8-d	Delivery	T6Heavy	77.47	0.00	0.00		3.44	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.02	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06
2	8	d	2-8-d	Asphalt	T7Single	70.88	0.00	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04
2	8	d	2-8-d	Concrete	T7Single	28.35	0.00	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02
2	8	e	2-8-e	Delivery	T6Heavy	542.30	0.00	0.02		24.10	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	539.12	0.00	0.02		23.96	0.02	0.64	0.11	0.00	0.42
2	8	e	2-8-e	Concrete	T7Single	70.88	0.00	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04

Construction - Mitigated Tier 3 and 4.

Truck Emissions						Pounds per day 2023									Gal/Day	Pounds per day 2024														Gal/Day
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	1	a	5-1-a	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33
5	1	b	5-1-a	Landfill	T7Single	0.18	0.00	0.05	0.05	0.00	301.24	0.00	0.01		13.39	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	300.10	0.00	0.01		13.34
5	1	c	5-1-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74
5	1	c	5-1-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33
5	1	c	5-1-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41
5	1	d	5-1-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35
5	1	d	5-1-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09
5	1	d	5-1-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23
5	1	e	5-1-e	Delivery	T6Heavy	0.45	0.00	0.12	0.12	0.01	567.98	0.00	0.02		25.24	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	565.84	0.00	0.02		25.15
5	1	e	5-1-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09
4	2	a	4-2-a	Dump	T7Single	0.07	0.00	0.02	0.02	0.00	125.52	0.00	0.00		5.58	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	125.04	0.00	0.00		5.56
4	2	b	4-2-b	Landfill	T7Single	0.51	0.00	0.13	0.14	0.01	861.04	0.00	0.03		38.27	0.04	0.78	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	857.79	0.00	0.03		38.12
4	2	c	4-2-c	Delivery	T6Heavy	0.63	0.00	0.16	0.17	0.01	795.17	0.00	0.03		35.34	0.03	0.96	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	792.18	0.00	0.03		35.21
4	2	c	4-2-c	Dump	T7Single	0.13	0.00	0.03	0.04	0.00	225.93	0.00	0.01		10.04	0.01	0.20	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	225.08	0.00	0.01		10.00
4	2	c	4-2-c	Concrete	T7Single	0.30	0.00	0.08	0.08	0.00	502.06	0.00	0.02		22.31	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	500.17	0.00	0.02		22.23
4	2	d	4-2-d	Delivery	T6Heavy	0.24	0.00	0.06	0.06	0.00	302.92	0.00	0.01		13.46	0.01	0.37	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	301.78	0.00	0.01		13.41
4	2	d	4-2-d	Asphalt	T7Single	0.16	0.00	0.04	0.04	0.00	278.92	0.00	0.01		12.40	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	277.87	0.00	0.01		12.35
4	2	d	4-2-d	Concrete	T7Single	0.07	0.00	0.02	0.02	0.00	111.57	0.00	0.00		4.96	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	111.15	0.00	0.00		4.94
4	2	e	4-2-e	Delivery	T6Heavy	0.45	0.00	0.12	0.12	0.01	567.98	0.00	0.02		25.24	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	565.84	0.00	0.02		25.15
4	2	e	4-2-e	Concrete	T7Single	0.12	0.00	0.03	0.03	0.00	195.25	0.00	0.01		8.68	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	194.51	0.00	0.01		8.64
4	3	c	4-3-c	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	530.11	0.00	0.02		23.56	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	528.12	0.00	0.02		23.47
4	3	c	4-3-c	Dump	T7Single	0.09	0.00	0.02	0.02	0.00	150.62	0.00	0.00		6.69	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	150.05	0.00	0.00		6.67
4	3	c	4-3-c	Concrete	T7Single	0.20	0.00	0.05	0.05	0.00	334.71	0.00	0.01		14.88	0.01	0.30	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	333.44	0.00	0.01		14.82
4	3	d	4-3-d	Delivery	T6Heavy	0.03	0.00	0.01	0.01	0.00	37.87	0.00	0.00		1.68	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.72	0.00	0.00		1.68
4	3	d	4-3-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09
4	3	d	4-3-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23
4	3	e	4-3-e	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74
4	3	e	4-3-e	Concrete	T7Single	0.02	0.00	0.01	0.01	0.00	41.84	0.00	0.00		1.86	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	41.68	0.00	0.00		1.85
4	4	a	4-4-a	Landfill	T7Single	0.05	0.00	0.01	0.01	0.00	81.20	0.00	0.00		3.61	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	80.90	0.00	0.00		3.60
4	4	a	4-4-a	Dump	T7Single	0.30	0.00	0.08	0.08	0.00	502.06	0.00	0.02		22.31	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	500.17	0.00	0.02		22.23
4	4	c	4-4-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74
4	4	c	4-4-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33
4	4	c	4-4-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41
4	4	d	4-4-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35
4	4	d	4-4-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09
4	4	d	4-4-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23
4	4	e	4-4-e	Delivery	T6Heavy	0.51	0.00	0.13	0.14	0.01	643.71	0.00	0.02		28.61	0.03	0.78	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	641.29	0.00	0.02		28.50
4	4	e	4-4-e	Concrete	T7Single	0.05	0.00	0.01	0.01	0.00	83.68	0.00	0.00		3.72	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	83.36	0.00	0.00		3.70
3	2	a	3-2-a	Landfill	T7Single	0.01	0.00	0.00	0.00	0.00	17.57	0.00	0.00		0.78	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.51	0.00	0.00		0.78
3	2	a	3-2-a	Dump	T7Single	0.03	0.00	0.01	0.01	0.00	50.21	0.00	0.00		2.23	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	50.02	0.00	0.00		2.22
3	5	c	3-5-c	Delivery	T6Heavy	0.15	0.00	0.04	0.04	0.00	189.33	0.00	0.01		8.41	0.01	0.23	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	188.61	0.00	0.01		8.38
3	5	c	3-5-c	Dump	T7Single	0.07	0.00	0.02	0.02	0.00	118.82	0.00	0.00		5.28	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	118.37	0.00	0.00		5.26
3	5	c	3-5-c	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09
3	5	d	3-5-d	Delivery	T6Heavy	0.03	0.00	0.01	0.01	0.00	38.62	0.00	0.00		1.72	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.48	0.00	0.00		1.71
3	5	d	3-5-d	Asphalt	T7Single	0.02	0.00	0.01	0.01	0.00	34.87	0.00	0.00		1.55	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.73	0.00	0.00		1.54
3	5	d	3-5-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23
3	5	e	3-5-e	Delivery	T6Heavy	0.33	0.00	0.09	0.09	0.00	416.52	0.00	0.01		18.51	0.02	0.50	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	414.95	0.00	0.01		18.44
3	5	e	3-5-e	Concrete	T7Single	0.03	0.00	0.01	0.01	0.00	55.78	0.00	0.00		2.48	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	55.57	0.00	0.00		2.47
1	6	a	1-6-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	25.10	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.01	0.00	0.00		1.11
1	6	c	1-6-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74
1	6	c	1-6-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33
1	6	c	1-6-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41
1	6	d	1-6-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35
1	6	d	1-6-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09
1	6	d	1-6-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23
1	6	e	1-6-e	Delivery	T6Heavy	0.48	0.00	0.13	0.13	0.01	605.84	0.00	0.02		26.92	0.02	0.73	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	603.56	0.00	0.02		26.82
1	6	e	1-6-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09
2	7	a	2-7-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	25.10	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.01	0.00	0.00		1.11
2	7	c	2-7-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74
2	7	c	2-7-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33
2	7	c	2-7-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41
2	7	d	2-7-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35
2	7	d	2-7-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09
2	7	d	2-7-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23
2	7	e	2-7-e	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	530.11	0.00	0.02		23.56	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	528.12	0.00	0.02		23.47
2	7	e	2-7-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09
2	8	a	2-8-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	25.10	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.01	0.00	0.00		1.11
2	8	c	2-8-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74
2	8	c	2-8-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33
2	8	c	2-8-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41
2	8	d	2-8-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35
2	8	d	2-8-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09
2	8	d	2-8-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23
2	8	e	2-8-e	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	530.11	0.00	0.02		23.56	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	528.12	0.00	0.02		23.47
2	8	e	2-8-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09

Construction - Mitigated Tier 3 and 4.

Truck Emissions						Pounds per day 2025													Gal/Day	Pounds per day 2026									
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
5	1	a	5-1-a	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
5	1	b	5-1-a	Landfill	T7Single	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	299.11	0.00	0.01		13.29	0.01	0.28	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00
5	1	c	5-1-c	Delivery	T6Heavy	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
5	1	c	5-1-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
5	1	c	5-1-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00
5	1	d	5-1-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00
5	1	d	5-1-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
5	1	d	5-1-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
5	1	e	5-1-e	Delivery	T6Heavy	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	563.50	0.00	0.02		25.04	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01
5	1	e	5-1-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
4	2	a	4-2-a	Dump	T7Single	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	124.63	0.00	0.00		5.54	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00
4	2	b	4-2-b	Landfill	T7Single	0.04	0.78	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	854.95	0.00	0.03		38.00	0.04	0.79	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01
4	2	c	4-2-c	Delivery	T6Heavy	0.03	0.96	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	788.91	0.00	0.03		35.06	0.03	0.95	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01
4	2	c	4-2-c	Dump	T7Single	0.01	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	224.33	0.00	0.01		9.97	0.01	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00
4	2	c	4-2-c	Concrete	T7Single	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	498.51	0.00	0.02		22.15	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00
4	2	d	4-2-d	Delivery	T6Heavy	0.01	0.36	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	300.54	0.00	0.01		13.36	0.01	0.36	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00
4	2	d	4-2-d	Asphalt	T7Single	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	276.95	0.00	0.01		12.31	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00
4	2	d	4-2-d	Concrete	T7Single	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	110.78	0.00	0.00		4.92	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00
4	2	e	4-2-e	Delivery	T6Heavy	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	563.50	0.00	0.02		25.04	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01
4	2	e	4-2-e	Concrete	T7Single	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	193.87	0.00	0.01		8.62	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00
4	3	c	4-3-c	Delivery	T6Heavy	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	525.94	0.00	0.02		23.37	0.02	0.63	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00
4	3	c	4-3-c	Dump	T7Single	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	149.55	0.00	0.00		6.65	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00
4	3	c	4-3-c	Concrete	T7Single	0.01	0.30	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	332.34	0.00	0.01		14.77	0.01	0.31	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00
4	3	d	4-3-d	Delivery	T6Heavy	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.57	0.00	0.00		1.67	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00
4	3	d	4-3-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
4	3	d	4-3-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
4	3	e	4-3-e	Delivery	T6Heavy	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
4	3	e	4-3-e	Concrete	T7Single	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	41.54	0.00	0.00		1.85	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00
4	4	a	4-4-a	Landfill	T7Single	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	80.63	0.00	0.00		3.58	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00
4	4	a	4-4-a	Dump	T7Single	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	498.51	0.00	0.02		22.15	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00
4	4	c	4-4-c	Delivery	T6Heavy	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
4	4	c	4-4-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
4	4	c	4-4-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00
4	4	d	4-4-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00
4	4	d	4-4-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
4	4	d	4-4-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
4	4	e	4-4-e	Delivery	T6Heavy	0.03	0.77	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	638.64	0.00	0.02		28.38	0.03	0.77	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01
4	4	e	4-4-e	Concrete	T7Single	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	83.09	0.00	0.00		3.69	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00
3	2	a	3-2-a	Landfill	T7Single	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.45	0.00	0.00		0.78	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
3	2	a	3-2-a	Dump	T7Single	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	49.85	0.00	0.00		2.22	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00
3	5	c	3-5-c	Delivery	T6Heavy	0.01	0.23	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	187.83	0.00	0.01		8.35	0.01	0.23	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00
3	5	c	3-5-c	Dump	T7Single	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	117.98	0.00	0.00		5.24	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00
3	5	c	3-5-c	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
3	5	d	3-5-d	Delivery	T6Heavy	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.32	0.00	0.00		1.70	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00
3	5	d	3-5-d	Asphalt	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.62	0.00	0.00		1.54	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00
3	5	d	3-5-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
3	5	e	3-5-e	Delivery	T6Heavy	0.02	0.50	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	413.24	0.00	0.01		18.36	0.02	0.50	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00
3	5	e	3-5-e	Concrete	T7Single	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	55.39	0.00	0.00		2.46	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00
1	6	a	1-6-a	Dump	T7Single	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.93	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
1	6	c	1-6-c	Delivery	T6Heavy	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
1	6	c	1-6-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
1	6	c	1-6-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00
1	6	d	1-6-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00
1	6	d	1-6-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
1	6	d	1-6-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
1	6	e	1-6-e	Delivery	T6Heavy	0.02	0.73	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	601.07	0.00	0.02		26.71	0.02	0.72	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01
1	6	e	1-6-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	7	a	2-7-a	Dump	T7Single	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.93	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
2	7	c	2-7-c	Delivery	T6Heavy	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
2	7	c	2-7-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	7	c	2-7-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00
2	7	d	2-7-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00
2	7	d	2-7-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	7	d	2-7-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
2	7	e	2-7-e	Delivery	T6Heavy	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	525.94	0.00	0.02		23.37	0.02	0.63	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00
2	7	e	2-7-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	8	a	2-8-a	Dump	T7Single	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.93	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
2	8	c	2-8-c	Delivery	T6Heavy	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00
2	8	c	2-8-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	8	c	2-8-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00
2	8	d	2-8-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00
2	8	d	2-8-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00
2	8	d	2-8-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
2	8	e	2-8-e	Delivery	T6Heavy	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	525.94	0.00	0.02		23.37	0.02	0.63	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00
2	8	e	2-8-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00

Construction - Mitigated Tier 3 and 4.

Truck Emissions										Gal/Day	Pounds per day 2027														Gal/Day					
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D
5	1	a	5-1-a	Dump	T7Single	74.52	0.00	0.00		3.31	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04
5	1	b	5-1-a	Landfill	T7Single	298.06	0.00	0.01		13.25	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	296.94	0.00	0.01		13.20	0.01	0.28	0.08	0.00	0.18
5	1	c	5-1-c	Delivery	T6Heavy	261.84	0.00	0.01		11.64	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21
5	1	c	5-1-c	Dump	T7Single	74.52	0.00	0.00		3.31	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04
5	1	c	5-1-c	Concrete	T7Single	165.59	0.00	0.01		7.36	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10
5	1	d	5-1-d	Delivery	T6Heavy	74.81	0.00	0.00		3.32	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06
5	1	d	5-1-d	Asphalt	T7Single	69.00	0.00	0.00		3.07	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04
5	1	d	5-1-d	Concrete	T7Single	27.60	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02
5	1	e	5-1-e	Delivery	T6Heavy	561.09	0.00	0.02		24.94	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	558.20	0.00	0.02		24.81	0.02	0.66	0.12	0.00	0.45
5	1	e	5-1-e	Concrete	T7Single	69.00	0.00	0.00		3.07	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04
4	2	a	4-2-a	Dump	T7Single	124.19	0.00	0.00		5.52	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	123.73	0.00	0.00		5.50	0.01	0.11	0.03	0.00	0.07
4	2	b	4-2-b	Landfill	T7Single	851.96	0.00	0.03		37.86	0.04	0.79	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	848.76	0.00	0.03		37.72	0.04	0.79	0.23	0.00	0.51
4	2	c	4-2-c	Delivery	T6Heavy	785.53	0.00	0.03		34.91	0.03	0.93	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	781.47	0.00	0.03		34.73	0.03	0.92	0.17	0.00	0.63
4	2	c	4-2-c	Dump	T7Single	223.55	0.00	0.01		9.93	0.01	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	222.71	0.00	0.01		9.90	0.01	0.21	0.06	0.00	0.13
4	2	c	4-2-c	Concrete	T7Single	496.77	0.00	0.02		22.08	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	494.90	0.00	0.02		21.99	0.02	0.46	0.13	0.00	0.30
4	2	d	4-2-d	Delivery	T6Heavy	299.25	0.00	0.01		13.30	0.01	0.35	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	297.70	0.00	0.01		13.23	0.01	0.35	0.07	0.00	0.24
4	2	d	4-2-d	Asphalt	T7Single	275.98	0.00	0.01		12.27	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	274.95	0.00	0.01		12.22	0.01	0.25	0.07	0.00	0.16
4	2	d	4-2-d	Concrete	T7Single	110.39	0.00	0.00		4.91	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	109.98	0.00	0.00		4.89	0.00	0.10	0.03	0.00	0.07
4	2	e	4-2-e	Delivery	T6Heavy	561.09	0.00	0.02		24.94	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	558.20	0.00	0.02		24.81	0.02	0.66	0.12	0.00	0.45
4	2	e	4-2-e	Concrete	T7Single	193.19	0.00	0.01		8.59	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	192.46	0.00	0.01		8.55	0.01	0.18	0.05	0.00	0.11
4	3	c	4-3-c	Delivery	T6Heavy	523.68	0.00	0.02		23.27	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	520.98	0.00	0.02		23.15	0.02	0.62	0.11	0.00	0.42
4	3	c	4-3-c	Dump	T7Single	149.03	0.00	0.00		6.62	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	148.47	0.00	0.00		6.60	0.01	0.14	0.04	0.00	0.09
4	3	c	4-3-c	Concrete	T7Single	331.18	0.00	0.01		14.72	0.01	0.31	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	329.94	0.00	0.01		14.66	0.01	0.31	0.09	0.00	0.20
4	3	d	4-3-d	Delivery	T6Heavy	37.41	0.00	0.00		1.66	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.21	0.00	0.00		1.65	0.00	0.04	0.01	0.00	0.03
4	3	d	4-3-d	Asphalt	T7Single	69.00	0.00	0.00		3.07	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04
4	3	d	4-3-d	Concrete	T7Single	27.60	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02
4	3	e	4-3-e	Delivery	T6Heavy	261.84	0.00	0.01		11.64	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21
4	3	e	4-3-e	Concrete	T7Single	41.40	0.00	0.00		1.84	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	41.24	0.00	0.00		1.83	0.00	0.04	0.01	0.00	0.02
4	4	a	4-4-a	Landfill	T7Single	80.35	0.00	0.00		3.57	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	80.05	0.00	0.00		3.56	0.00	0.07	0.02	0.00	0.05
4	4	a	4-4-a	Dump	T7Single	496.77	0.00	0.02		22.08	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	494.90	0.00	0.02		21.99	0.02	0.46	0.13	0.00	0.30
4	4	c	4-4-c	Delivery	T6Heavy	261.84	0.00	0.01		11.64	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21
4	4	c	4-4-c	Dump	T7Single	74.52	0.00	0.00		3.31	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04
4	4	c	4-4-c	Concrete	T7Single	165.59	0.00	0.01		7.36	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10
4	4	d	4-4-d	Delivery	T6Heavy	74.81	0.00	0.00		3.32	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06
4	4	d	4-4-d	Asphalt	T7Single	69.00	0.00	0.00		3.07	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04
4	4	d	4-4-d	Concrete	T7Single	27.60	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02
4	4	e	4-4-e	Delivery	T6Heavy	635.90	0.00	0.02		28.26	0.03	0.75	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	632.62	0.00	0.02		28.11	0.03	0.75	0.14	0.00	0.51
4	4	e	4-4-e	Concrete	T7Single	82.79	0.00	0.00		3.68	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	82.48	0.00	0.00		3.67	0.00	0.08	0.02	0.00	0.05
3	2	a	3-2-a	Landfill	T7Single	17.39	0.00	0.00		0.77	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.32	0.00	0.00		0.77	0.00	0.02	0.00	0.00	0.01
3	2	a	3-2-a	Dump	T7Single	49.68	0.00	0.00		2.21	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	49.49	0.00	0.00		2.20	0.00	0.05	0.01	0.00	0.03
3	5	c	3-5-c	Delivery	T6Heavy	187.03	0.00	0.01		8.31	0.01	0.22	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	186.07	0.00	0.01		8.27	0.01	0.22	0.04	0.00	0.15
3	5	c	3-5-c	Dump	T7Single	117.57	0.00	0.00		5.22	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	117.13	0.00	0.00		5.21	0.01	0.11	0.03	0.00	0.07
3	5	c	3-5-c	Concrete	T7Single	69.00	0.00	0.00		3.07	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04
3	5	d	3-5-d	Delivery	T6Heavy	38.15	0.00	0.00		1.70	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.96	0.00	0.00		1.69	0.00	0.04	0.01	0.00	0.03
3	5	d	3-5-d	Asphalt	T7Single	34.50	0.00	0.00		1.53	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.37	0.00	0.00		1.53	0.00	0.03	0.01	0.00	0.02
3	5	d	3-5-d	Concrete	T7Single	27.60	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02
3	5	e	3-5-e	Delivery	T6Heavy	411.47	0.00	0.01		18.29	0.02	0.49	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	409.34	0.00	0.01		18.19	0.02	0.48	0.09	0.00	0.33
3	5	e	3-5-e	Concrete	T7Single	55.20	0.00	0.00		2.45	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	54.99	0.00	0.00		2.44	0.00	0.05	0.01	0.00	0.03
1	6	a	1-6-a	Dump	T7Single	24.84	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.75	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01
1	6	c	1-6-c	Delivery	T6Heavy	261.84	0.00	0.01		11.64	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21
1	6	c	1-6-c	Dump	T7Single	74.52	0.00	0.00		3.31	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04
1	6	c	1-6-c	Concrete	T7Single	165.59	0.00	0.01		7.36	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10
1	6	d	1-6-d	Delivery	T6Heavy	74.81	0.00	0.00		3.32	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06
1	6	d	1-6-d	Asphalt	T7Single	69.00	0.00	0.00		3.07	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04
1	6	d	1-6-d	Concrete	T7Single	27.60	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02
1	6	e	1-6-e	Delivery	T6Heavy	598.50	0.00	0.02		26.60	0.02	0.71	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	595.41	0.00	0.02		26.46	0.02	0.70	0.13	0.00	0.48
1	6	e	1-6-e	Concrete	T7Single	69.00	0.00	0.00		3.07	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04
2	7	a	2-7-a	Dump	T7Single	24.84	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.75	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01
2	7	c	2-7-c	Delivery	T6Heavy	261.84	0.00	0.01		11.64	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21
2	7	c	2-7-c	Dump	T7Single	74.52	0.00	0.00		3.31	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04
2	7	c	2-7-c	Concrete	T7Single	165.59	0.00	0.01		7.36	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10
2	7	d	2-7-d	Delivery	T6Heavy	74.81	0.00	0.00		3.32	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06
2	7	d	2-7-d	Asphalt	T7Single	69.00	0.00	0.00		3.07	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04
2	7	d	2-7-d	Concrete	T7Single	27.60	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02
2	7	e	2-7-e	Delivery	T6Heavy	523.68	0.00	0.02		23.27	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	520.98	0.00	0.02		23.15	0.02	0.62	0.11	0.00	0.42
2	7	e	2-7-e	Concrete	T7Single	69.00	0.00	0.00		3.07	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04
2	8	a	2-8-a	Dump	T7Single	24.84	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.75	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01
2	8	c	2-8-c	Delivery	T6Heavy	261.84	0.00	0.01		11.64	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21
2	8	c	2-8-c	Dump	T7Single	74.52	0.00	0.00		3.31	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04
2	8	c	2-8-c	Concrete	T7Single	165.59	0.00	0.01		7.36	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10
2	8	d	2-8-d	Delivery	T6Heavy	74.81	0.00	0.00		3.32	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06
2	8	d	2-8-d	Asphalt	T7Single	69.00	0.00	0.00		3.07	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04
2	8	d	2-8-d	Concrete	T7Single	27.60	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02
2	8	e	2-8-e	Delivery	T6Heavy	523.68	0.00	0.02		23.27	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	520.98	0.00	0.02		23.15	0.02	0.62	0.11	0.00	0.42
2	8	e	2-8-e	Concrete	T7Single	69.00	0.00	0.00		3.07	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04

Construction - Mitigated Tier 3 and 4.

Truck Emissions						Pounds per day 2028									Gal/Day	Pounds per day 2029														Gal/Day
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	1	a	5-1-a	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.00	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28
5	1	b	5-1-a	Landfill	T7Single	0.18	0.00	0.05	0.05	0.00	296.00	0.00	0.01		13.15	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	295.00	0.00	0.01		13.11
5	1	c	5-1-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	259.76	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51
5	1	c	5-1-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.00	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28
5	1	c	5-1-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	164.44	0.00	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28
5	1	d	5-1-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	74.22	0.00	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29
5	1	d	5-1-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	68.52	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03
5	1	d	5-1-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.41	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21
5	1	e	5-1-e	Delivery	T6Heavy	0.45	0.00	0.12	0.12	0.01	556.62	0.00	0.02		24.74	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	555.06	0.00	0.02		24.67
5	1	e	5-1-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	68.52	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03
4	2	a	4-2-a	Dump	T7Single	0.07	0.00	0.02	0.02	0.00	123.33	0.00	0.00		5.48	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	122.92	0.00	0.00		5.46
4	2	b	4-2-b	Landfill	T7Single	0.51	0.00	0.13	0.14	0.01	846.07	0.00	0.03		37.60	0.04	0.78	0.23	0.00	0.51	0.51	0.00	0.13	0.14	0.01	843.22	0.00	0.03		37.47
4	2	c	4-2-c	Delivery	T6Heavy	0.63	0.00	0.16	0.17	0.01	779.27	0.00	0.03		34.63	0.03	0.92	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	777.08	0.00	0.03		34.53
4	2	c	4-2-c	Dump	T7Single	0.13	0.00	0.03	0.04	0.00	222.00	0.00	0.01		9.87	0.01	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	221.25	0.00	0.01		9.83
4	2	c	4-2-c	Concrete	T7Single	0.30	0.00	0.08	0.08	0.00	493.33	0.00	0.02		21.92	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	491.67	0.00	0.02		21.85
4	2	d	4-2-d	Delivery	T6Heavy	0.24	0.00	0.06	0.06	0.00	296.86	0.00	0.01		13.19	0.01	0.35	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	296.03	0.00	0.01		13.16
4	2	d	4-2-d	Asphalt	T7Single	0.17	0.00	0.04	0.04	0.00	274.07	0.00	0.01		12.18	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	273.15	0.00	0.01		12.14
4	2	d	4-2-d	Concrete	T7Single	0.07	0.00	0.02	0.02	0.00	109.63	0.00	0.00		4.87	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	109.26	0.00	0.00		4.86
4	2	e	4-2-e	Delivery	T6Heavy	0.45	0.00	0.12	0.12	0.01	556.62	0.00	0.02		24.74	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	555.06	0.00	0.02		24.67
4	2	e	4-2-e	Concrete	T7Single	0.12	0.00	0.03	0.03	0.00	191.85	0.00	0.01		8.53	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	191.21	0.00	0.01		8.50
4	3	c	4-3-c	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.00	519.51	0.00	0.02		23.09	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	518.05	0.00	0.02		23.02
4	3	c	4-3-c	Dump	T7Single	0.09	0.00	0.02	0.02	0.00	148.00	0.00	0.00		6.58	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	147.50	0.00	0.00		6.56
4	3	c	4-3-c	Concrete	T7Single	0.20	0.00	0.05	0.05	0.00	328.89	0.00	0.01		14.62	0.01	0.30	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	327.78	0.00	0.01		14.57
4	3	d	4-3-d	Delivery	T6Heavy	0.03	0.00	0.01	0.01	0.00	37.11	0.00	0.00		1.65	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.00	0.00	0.00		1.64
4	3	d	4-3-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	68.52	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03
4	3	d	4-3-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.41	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21
4	3	e	4-3-e	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	259.76	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51
4	3	e	4-3-e	Concrete	T7Single	0.02	0.00	0.01	0.01	0.00	41.11	0.00	0.00		1.83	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	40.97	0.00	0.00		1.82
4	4	a	4-4-a	Landfill	T7Single	0.05	0.00	0.01	0.01	0.00	79.79	0.00	0.00		3.55	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	79.52	0.00	0.00		3.53
4	4	a	4-4-a	Dump	T7Single	0.30	0.00	0.08	0.08	0.00	493.33	0.00	0.02		21.92	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	491.67	0.00	0.02		21.85
4	4	c	4-4-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	259.76	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51
4	4	c	4-4-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.00	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28
4	4	c	4-4-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	164.44	0.00	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28
4	4	d	4-4-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	74.22	0.00	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29
4	4	d	4-4-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	68.52	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03
4	4	d	4-4-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.41	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21
4	4	e	4-4-e	Delivery	T6Heavy	0.51	0.00	0.13	0.14	0.01	630.84	0.00	0.02		28.04	0.03	0.74	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	629.06	0.00	0.02		27.96
4	4	e	4-4-e	Concrete	T7Single	0.05	0.00	0.01	0.01	0.00	82.22	0.00	0.00		3.65	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	81.95	0.00	0.00		3.64
3	2	a	3-2-a	Landfill	T7Single	0.01	0.00	0.00	0.00	0.00	17.27	0.00	0.00		0.77	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.21	0.00	0.00		0.76
3	2	a	3-2-a	Dump	T7Single	0.03	0.00	0.01	0.01	0.00	49.33	0.00	0.00		2.19	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	49.17	0.00	0.00		2.19
3	5	c	3-5-c	Delivery	T6Heavy	0.15	0.00	0.04	0.04	0.00	185.54	0.00	0.01		8.25	0.01	0.22	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	185.02	0.00	0.01		8.22
3	5	c	3-5-c	Dump	T7Single	0.07	0.00	0.02	0.02	0.00	116.76	0.00	0.00		5.19	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	116.36	0.00	0.00		5.17
3	5	c	3-5-c	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	68.52	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03
3	5	d	3-5-d	Delivery	T6Heavy	0.03	0.00	0.01	0.01	0.00	37.85	0.00	0.00		1.68	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.74	0.00	0.00		1.68
3	5	d	3-5-d	Asphalt	T7Single	0.02	0.00	0.01	0.01	0.00	34.26	0.00	0.00		1.52	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.14	0.00	0.00		1.52
3	5	d	3-5-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.41	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21
3	5	e	3-5-e	Delivery	T6Heavy	0.33	0.00	0.09	0.09	0.00	408.19	0.00	0.01		18.14	0.02	0.48	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	407.04	0.00	0.01		18.09
3	5	e	3-5-e	Concrete	T7Single	0.03	0.00	0.01	0.01	0.00	54.81	0.00	0.00		2.44	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	54.63	0.00	0.00		2.43
1	6	a	1-6-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	24.67	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.58	0.00	0.00		1.09
1	6	c	1-6-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	259.76	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51
1	6	c	1-6-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.00	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28
1	6	c	1-6-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	164.44	0.00	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28
1	6	d	1-6-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	74.22	0.00	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29
1	6	d	1-6-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	68.52	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03
1	6	d	1-6-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.41	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21
1	6	e	1-6-e	Delivery	T6Heavy	0.48	0.00	0.13	0.13	0.01	593.73	0.00	0.02		26.39	0.02	0.70	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	592.06	0.00	0.02		26.31
1	6	e	1-6-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	68.52	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03
2	7	a	2-7-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	24.67	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.58	0.00	0.00		1.09
2	7	c	2-7-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	259.76	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51
2	7	c	2-7-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.00	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28
2	7	c	2-7-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	164.44	0.00	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28
2	7	d	2-7-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	74.22	0.00	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29
2	7	d	2-7-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	68.52	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03
2	7	d	2-7-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.41	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21
2	7	e	2-7-e	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.00	519.51	0.00	0.02		23.09	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	518.05	0.00	0.02		23.02
2	7	e	2-7-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	68.52	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03
2	8	a	2-8-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	24.67	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.58	0.00	0.00		1.09
2	8	c	2-8-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	259.76	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51
2	8	c	2-8-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	74.00	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28
2	8	c	2-8-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	164.44	0.00	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28
2	8	d	2-8-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	74.22	0.00	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29
2	8	d	2-8-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	68.52	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03
2	8	d	2-8-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	27.41	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21
2	8	e	2-8-e	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.00	519.51	0.00	0.02		23.09	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	518.05	0.00	0.02		23.02
2	8	e	2-8-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	68.52	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03

Construction - Mitigated Tier 3 and 4.

Truck Emissions						Pounds per day														Gal/Day
						2030														
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	1	a	5-1-a	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.42	0.00	0.00		3.26
5	1	b	5-1-a	Landfill	T7Single	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	293.67	0.00	0.01		13.05
5	1	c	5-1-c	Delivery	T6Heavy	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	258.33	0.00	0.01		11.48
5	1	c	5-1-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.42	0.00	0.00		3.26
5	1	c	5-1-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.15	0.00	0.01		7.25
5	1	d	5-1-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	73.81	0.00	0.00		3.28
5	1	d	5-1-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	67.98	0.00	0.00		3.02
5	1	d	5-1-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.19	0.00	0.00		1.21
5	1	e	5-1-e	Delivery	T6Heavy	0.02	0.65	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	553.57	0.00	0.02		24.60
5	1	e	5-1-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	67.98	0.00	0.00		3.02
4	2	a	4-2-a	Dump	T7Single	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	122.36	0.00	0.00		5.44
4	2	b	4-2-b	Landfill	T7Single	0.04	0.77	0.23	0.00	0.51	0.51	0.00	0.13	0.14	0.01	839.42	0.00	0.03		37.31
4	2	c	4-2-c	Delivery	T6Heavy	0.03	0.91	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	775.00	0.00	0.03		34.44
4	2	c	4-2-c	Dump	T7Single	0.01	0.20	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	220.25	0.00	0.01		9.79
4	2	c	4-2-c	Concrete	T7Single	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	489.46	0.00	0.02		21.75
4	2	d	4-2-d	Delivery	T6Heavy	0.01	0.35	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	295.24	0.00	0.01		13.12
4	2	d	4-2-d	Asphalt	T7Single	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	271.92	0.00	0.01		12.08
4	2	d	4-2-d	Concrete	T7Single	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	108.77	0.00	0.00		4.83
4	2	e	4-2-e	Delivery	T6Heavy	0.02	0.65	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	553.57	0.00	0.02		24.60
4	2	e	4-2-e	Concrete	T7Single	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	190.34	0.00	0.01		8.46
4	3	c	4-3-c	Delivery	T6Heavy	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	516.67	0.00	0.02		22.96
4	3	c	4-3-c	Dump	T7Single	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	146.84	0.00	0.00		6.53
4	3	c	4-3-c	Concrete	T7Single	0.01	0.30	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	326.30	0.00	0.01		14.50
4	3	d	4-3-d	Delivery	T6Heavy	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	36.90	0.00	0.00		1.64
4	3	d	4-3-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	67.98	0.00	0.00		3.02
4	3	d	4-3-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.19	0.00	0.00		1.21
4	3	e	4-3-e	Delivery	T6Heavy	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	258.33	0.00	0.01		11.48
4	3	e	4-3-e	Concrete	T7Single	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	40.79	0.00	0.00		1.81
4	4	a	4-4-a	Landfill	T7Single	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	79.16	0.00	0.00		3.52
4	4	a	4-4-a	Dump	T7Single	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	489.46	0.00	0.02		21.75
4	4	c	4-4-c	Delivery	T6Heavy	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	258.33	0.00	0.01		11.48
4	4	c	4-4-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.42	0.00	0.00		3.26
4	4	c	4-4-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.15	0.00	0.01		7.25
4	4	d	4-4-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	73.81	0.00	0.00		3.28
4	4	d	4-4-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	67.98	0.00	0.00		3.02
4	4	d	4-4-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.19	0.00	0.00		1.21
4	4	e	4-4-e	Delivery	T6Heavy	0.03	0.74	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	627.38	0.00	0.02		27.88
4	4	e	4-4-e	Concrete	T7Single	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	81.58	0.00	0.00		3.63
3	2	a	3-2-a	Landfill	T7Single	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.13	0.00	0.00		0.76
3	2	a	3-2-a	Dump	T7Single	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	48.95	0.00	0.00		2.18
3	5	c	3-5-c	Delivery	T6Heavy	0.01	0.22	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	184.52	0.00	0.01		8.20
3	5	c	3-5-c	Dump	T7Single	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	115.84	0.00	0.00		5.15
3	5	c	3-5-c	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	67.98	0.00	0.00		3.02
3	5	d	3-5-d	Delivery	T6Heavy	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.64	0.00	0.00		1.67
3	5	d	3-5-d	Asphalt	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	33.99	0.00	0.00		1.51
3	5	d	3-5-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.19	0.00	0.00		1.21
3	5	e	3-5-e	Delivery	T6Heavy	0.02	0.48	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	405.95	0.00	0.01		18.04
3	5	e	3-5-e	Concrete	T7Single	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	54.38	0.00	0.00		2.42
1	6	a	1-6-a	Dump	T7Single	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.47	0.00	0.00		1.09
1	6	c	1-6-c	Delivery	T6Heavy	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	258.33	0.00	0.01		11.48
1	6	c	1-6-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.42	0.00	0.00		3.26
1	6	c	1-6-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.15	0.00	0.01		7.25
1	6	d	1-6-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	73.81	0.00	0.00		3.28
1	6	d	1-6-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	67.98	0.00	0.00		3.02
1	6	d	1-6-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.19	0.00	0.00		1.21
1	6	e	1-6-e	Delivery	T6Heavy	0.02	0.69	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	590.48	0.00	0.02		26.24
1	6	e	1-6-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	67.98	0.00	0.00		3.02
2	7	a	2-7-a	Dump	T7Single	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.47	0.00	0.00		1.09
2	7	c	2-7-c	Delivery	T6Heavy	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	258.33	0.00	0.01		11.48
2	7	c	2-7-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.42	0.00	0.00		3.26
2	7	c	2-7-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.15	0.00	0.01		7.25
2	7	d	2-7-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	73.81	0.00	0.00		3.28
2	7	d	2-7-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	67.98	0.00	0.00		3.02
2	7	d	2-7-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.19	0.00	0.00		1.21
2	7	e	2-7-e	Delivery	T6Heavy	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	516.67	0.00	0.02		22.96
2	7	e	2-7-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	67.98	0.00	0.00		3.02
2	8	a	2-8-a	Dump	T7Single	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.47	0.00	0.00		1.09
2	8	c	2-8-c	Delivery	T6Heavy	0.01	0.30	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	258.33	0.00	0.01		11.48
2	8	c	2-8-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.42	0.00	0.00		3.26
2	8	c	2-8-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.15	0.00	0.01		7.25
2	8	d	2-8-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	73.81	0.00	0.00		3.28
2	8	d	2-8-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	67.98	0.00	0.00		3.02
2	8	d	2-8-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.19	0.00	0.00		1.21
2	8	e	2-8-e	Delivery	T6Heavy	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	516.67	0.00	0.02		22.96
2	8	e	2-8-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	67.98	0.00	0.00		3.02

Construction - Mitigated Tier 3 and 4.

MM-AQ-1: Require Tier 3 Engines 2017-2022 and Tier 4 engines 2023-2030

		Emissions Standard						Reduction from Tier 2 (T3) and from Tier 3 (T4)					Multiplier					
	Tier	75–99 hp Engines	100–174 hp Engines	175–299 hp Engines	300–600 hp Engines	600-750 hp Engines	Average	75–99 hp Engines	100–174 hp Engines	175–299 hp Engines	300–600 hp Engines	600-750 hp Engines	75–99 hp Engines	100–174 hp Engines	175–299 hp Engines	300–600 hp Engines	600-750 hp Engines	Other
		(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	%	%	%	%	(g/bhp-hr)	
	2																	
	NO_X	4.75	4.17	4.15	3.79	3.79	4.2											
	ROG	0.23	0.19	0.12	0.12	0.12	0.2											
	PM	0.192	0.128	0.088	0.088	0.088	0.1											
	3																	
NOX3	NO_X	2.74	2.32	2.32	2.32	2.32	2.4	42%	44%	44%	39%	39%	58%	56%	56%	61%	61%	100.0%
ROG3	ROG	0.12	0.12	0.12	0.12	0.12	0.1	48%	37%	0%	0%	0%	52%	63%	100%	100%	100%	100.0%
PM3	PM	0.192	0.112	0.088	0.088	0.088	0.1	0%	13%	0%	0%	0%	100%	88%	100%	100%	100%	100.0%
	4																	
NOX4	NO_X	0.26	0.26	0.26	0.26	0.26	0.3	91%	89%	89%	89%	89%	9%	11%	11%	11%	11%	100.0%
ROG4	ROG	0.06	0.06	0.06	0.06	0.06	0.1	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	100.0%
PM4	PM	0.008	0.008	0.008	0.008	0.008	0.0	96%	93%	91%	91%	91%	4%	7%	9%	9%	9%	100.0%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

Summary of Scaling Factors 2020 500 ROG 1.0000

Year	HP	ROG	NOX	PM	Tier	Col
2017	15	1.00	1.00	1.00	3	19
2017	25	1.00	1.00	1.00	3	19
2017	50	1.00	1.00	1.00	3	19
2017	120	0.52	0.58	1.00	3	14
2017	175	0.63	0.56	0.88	3	15
2017	250	1.00	0.56	1.00	3	16
2017	500	1.00	0.61	1.00	3	17
2017	750	1.00	0.61	1.00	3	18
2017	1000	1.00	1.00	1.00	3	19
2017	9999	1.00	1.00	1.00	3	19
2018	15	1.00	1.00	1.00	3	19
2018	25	1.00	1.00	1.00	3	19
2018	50	1.00	1.00	1.00	3	19
2018	120	0.52	0.58	1.00	3	14
2018	175	0.63	0.56	0.88	3	15
2018	250	1.00	0.56	1.00	3	16
2018	500	1.00	0.61	1.00	3	17
2018	750	1.00	0.61	1.00	3	18
2018	1000	1.00	1.00	1.00	3	19
2018	9999	1.00	1.00	1.00	3	19
2019	15	1.00	1.00	1.00	3	19
2019	25	1.00	1.00	1.00	3	19
2019	50	1.00	1.00	1.00	3	19
2019	120	0.52	0.58	1.00	3	14
2019	175	0.63	0.56	0.88	3	15
2019	250	1.00	0.56	1.00	3	16
2019	500	1.00	0.61	1.00	3	17
2019	750	1.00	0.61	1.00	3	18
2019	1000	1.00	1.00	1.00	3	19
2019	9999	1.00	1.00	1.00	3	19
2020	15	1.00	1.00	1.00	3	19
2020	25	1.00	1.00	1.00	3	19
2020	50	1.00	1.00	1.00	3	19
2020	120	0.52	0.58	1.00	3	14
2020	175	0.63	0.56	0.88	3	15
2020	250	1.00	0.56	1.00	3	16
2020	500	1.00	0.61	1.00	3	17
2020	750	1.00	0.61	1.00	3	18
2020	1000	1.00	1.00	1.00	3	19
2020	9999	1.00	1.00	1.00	3	19
2021	15	1.00	1.00	1.00	3	19
2021	25	1.00	1.00	1.00	3	19
2021	50	1.00	1.00	1.00	3	19
2021	120	0.52	0.58	1.00	3	14
2021	175	0.63	0.56	0.88	3	15
2021	250	1.00	0.56	1.00	3	16
2021	500	1.00	0.61	1.00	3	17
2021	750	1.00	0.61	1.00	3	18
2021	1000	1.00	1.00	1.00	3	19
2021	9999	1.00	1.00	1.00	3	19
2022	15	1.00	1.00	1.00	3	19
2022	25	1.00	1.00	1.00	3	19
2022	50	1.00	1.00	1.00	3	19
2022	120	0.52	0.58	1.00	3	14
2022	175	0.63	0.56	0.88	3	15
2022	250	1.00	0.56	1.00	3	16
2022	500	1.00	0.61	1.00	3	17
2022	750	1.00	0.61	1.00	3	18
2022	1000	1.00	1.00	1.00	3	19
2022	9999	1.00	1.00	1.00	3	19
2023	15	1.00	1.00	1.00	4	19
2023	25	1.00	1.00	1.00	4	19
2023	50	1.00	1.00	1.00	4	19
2023	120	0.50	0.09	0.04	4	14
2023	175	0.50	0.11	0.07	4	15
2023	250	0.50	0.11	0.09	4	16
2023	500	0.50	0.11	0.09	4	17
2023	750	0.50	0.11	0.09	4	18
2023	1000	1.00	1.00	1.00	4	19
2023	9999	1.00	1.00	1.00	4	19
2024	15	1.00	1.00	1.00	4	19
2024	25	1.00	1.00	1.00	4	19
2024	50	1.00	1.00	1.00	4	19
2024	120	0.50	0.09	0.04	4	14
2024	175	0.50	0.11	0.07	4	15
2024	250	0.50	0.11	0.09	4	16
2024	500	0.50	0.11	0.09	4	17
2024	750	0.50	0.11	0.09	4	18
2024	1000	1.00	1.00	1.00	4	19
2024	9999	1.00	1.00	1.00	4	19
2025	15	1.00	1.00	1.00	4	19
2025	25	1.00	1.00	1.00	4	19
2025	50	1.00	1.00	1.00	4	19
2025	120	0.50	0.09	0.04	4	14
2025	175	0.50	0.11	0.07	4	15
2025	250	0.50	0.11	0.09	4	16
2025	500	0.50	0.11	0.09	4	17
2025	750	0.50	0.11	0.09	4	18
2025	1000	1.00	1.00	1.00	4	19
2025	9999	1.00	1.00	1.00	4	19
2026	15	1.00	1.00	1.00	4	19
2026	25	1.00	1.00	1.00	4	19
2026	50	1.00	1.00	1.00	4	19
2026	120	0.50	0.09	0.04	4	14
2026	175	0.50	0.11	0.07	4	15
2026	250	0.50	0.11	0.09	4	16

Max HP	Col
15	19
25	19
50	19
120	14
175	15
250	16
500	17
750	18
1000	19
9999	19

Year	Tier
2017	3
2018	3
2019	3
2020	3
2021	3
2022	3
2023	4
2024	4
2025	4
2026	4
2027	4
2028	4
2029	4
2030	4

Year	HP	ROG (ROG)	NOX (NOX)	PM (PM10)
2017	15	1	1	1
2017	25	1	1	1
2017	50	1	1	1
2017	120	0.521739	0.576842	1
2017	500	1	0.612137	1
2017	750	1	0.612137	1
2018	15	1	1	1
2018	25	1	1	1
2018	50	1	1	1
2018	120	0.521739	0.576842	1
2018	500	1	0.612137	1
2018	750	1	0.612137	1
2019	15	1	1	1
2019	25	1	1	1
2019	50	1	1	1
2019	120	0.521739	0.576842	1
2019	500	1	0.612137	1
2019	750	1	0.612137	1
2020	15	1	1	1

Construction - Mitigated Tier 3 and 4.

2026	500	0.50	0.11	0.09	4	17
2026	750	0.50	0.11	0.09	4	18
2026	1000	1.00	1.00	1.00	4	19
2026	9999	1.00	1.00	1.00	4	19
2027	15	1.00	1.00	1.00	4	19
2027	25	1.00	1.00	1.00	4	19
2027	50	1.00	1.00	1.00	4	19
2027	120	0.50	0.09	0.04	4	14
2027	175	0.50	0.11	0.07	4	15
2027	250	0.50	0.11	0.09	4	16
2027	500	0.50	0.11	0.09	4	17
2027	750	0.50	0.11	0.09	4	18
2027	1000	1.00	1.00	1.00	4	19
2027	9999	1.00	1.00	1.00	4	19
2028	15	1.00	1.00	1.00	4	19
2028	25	1.00	1.00	1.00	4	19
2028	50	1.00	1.00	1.00	4	19
2028	120	0.50	0.09	0.04	4	14
2028	175	0.50	0.11	0.07	4	15
2028	250	0.50	0.11	0.09	4	16
2028	500	0.50	0.11	0.09	4	17
2028	750	0.50	0.11	0.09	4	18
2028	1000	1.00	1.00	1.00	4	19
2028	9999	1.00	1.00	1.00	4	19
2029	15	1.00	1.00	1.00	4	19
2029	25	1.00	1.00	1.00	4	19
2029	50	1.00	1.00	1.00	4	19
2029	120	0.50	0.09	0.04	4	14
2029	175	0.50	0.11	0.07	4	15
2029	250	0.50	0.11	0.09	4	16
2029	500	0.50	0.11	0.09	4	17
2029	750	0.50	0.11	0.09	4	18
2029	1000	1.00	1.00	1.00	4	19
2029	9999	1.00	1.00	1.00	4	19
2030	15	1.00	1.00	1.00	4	19
2030	25	1.00	1.00	1.00	4	19
2030	50	1.00	1.00	1.00	4	19
2030	120	0.50	0.09	0.04	4	14
2030	175	0.50	0.11	0.07	4	15
2030	250	0.50	0.11	0.09	4	16
2030	500	0.50	0.11	0.09	4	17
2030	750	0.50	0.11	0.09	4	18
2030	1000	1.00	1.00	1.00	4	19
2030	9999	1.00	1.00	1.00	4	19

Construction - Mitigated Tier 4

Daily Construction from all but Equipment

		Pounds per day														Gal/Day	Pounds per day										
		2017															2018										
Sched Code	Description	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2
5-1-a	Site Prep, Clear and Grub and Rough Grading	0	1	1	0	1	1	0	0	0	0.0	695	0	0	16	714	33	0	0	1	0	1	1	0	0	0	0	684
5-1-c	Auger Cast Caissons & Site Utilities	1	1	7	0	4	4	0	1	1	0.0	2,102	0	0	83	2,190	108	1	1	6	0	4	4	0	1	1	0	2,053
5-1-d	Curb, Gutter & Interior Roads	1	1	9	0	5	5	0	1	1	0.0	2,149	0	0	104	2,254	113	1	1	8	0	5	5	0	1	1	0	2,090
5-1-e	Building Construction	15	5	43	1	23	25	1	6	6	0.1	10,504	0	0	518	11,027	557	14	5	38	1	23	25	1	6	6	0	10,210
4-2-a	Site Prep, Clear and Grub, Rough Grading	0	0	3	0	2	2	0	0	0	0.0	721	0	0	31	753	37	0	0	2	0	2	2	0	0	0	0	703
4-2-b	Demolition	0	1	3	0	2	2	0	1	1	0.0	1,487	0	0	31	1,526	71	0	1	2	0	2	2	0	1	1	0	1,464
4-2-c	Auger Cast Caissons & Site Utilities	2	3	13	0	8	8	0	2	2	0.0	4,534	0	0	155	4,704	228	1	3	12	0	8	8	0	2	2	0	4,441
4-2-d	Curb, Gutter & Interior Roads	2	3	17	1	10	10	0	2	3	0.0	4,658	0	0	207	4,871	243	2	2	15	1	10	10	0	2	3	0	4,538
4-2-e	Building Construction	35	11	103	3	55	58	1	14	15	0.2	24,414	0	0	1,243	25,664	1,301	34	10	92	3	55	58	1	14	15	0	23,712
4-3-c	Auger Cast Caissons & Site Utilities	2	2	13	0	8	8	0	2	2	0.0	4,007	0	0	155	4,172	205	1	2	12	0	8	8	0	2	2	0	3,915
4-3-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,078	0	0	207	4,286	217	2	2	15	1	9	10	0	2	3	0	3,961
4-3-e	Building Construction	23	5	47	1	25	27	1	6	7	0.1	11,145	0	0	570	11,718	594	22	5	42	1	25	27	1	6	7	0	10,824
4-4-a	Auger Cast Caissons & Site Utilities	0	1	3	0	2	2	0	0	0	0.0	1,213	0	0	31	1,250	59	0	1	2	0	2	2	0	0	0	0	1,192
4-4-c	Auger Cast Caissons & Site Utilities	2	2	13	0	7	8	0	2	2	0.0	3,480	0	0	155	3,640	182	1	2	12	0	7	8	0	2	2	0	3,390
4-4-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,117	0	0	207	4,326	219	2	2	15	1	9	10	0	2	3	0	4,000
4-4-e	Building Construction	25	6	47	1	26	27	1	6	7	0.1	11,581	0	0	570	12,157	614	25	5	42	1	26	27	1	6	7	0	11,258
3-2-a	Export to Parcel 4	0	0	3	0	1	1	0	0	0	0.0	661	0	0	31	693	35	0	0	2	0	1	1	0	0	0	0	643
3-5-c	Auger Cast Caissons & Site Utilities	2	2	13	0	7	7	0	2	2	0.0	3,345	0	0	155	3,504	176	1	2	12	0	7	7	0	2	2	0	3,256
3-5-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,042	0	0	207	4,251	216	2	2	15	1	9	10	0	2	3	0	3,925
3-5-e	Building Construction	19	5	47	1	25	27	1	6	7	0.1	11,317	0	0	570	11,891	602	19	5	42	1	25	27	1	6	7	0	10,995
1-6-a	Site Prep, Clear and Grub and Rough Grading	0	0	3	0	2	2	0	0	0	0.0	666	0	0	31	697	33	0	0	2	0	2	2	0	0	0	0	648
1-6-c	Auger Cast Caissons & Site Utilities	2	2	13	0	7	8	0	2	2	0.0	3,480	0	0	155	3,640	182	1	2	12	0	7	8	0	2	2	0	3,390
1-6-d	Curb, Gutter & Interior Roads	2	2	17	1	9	10	0	2	3	0.0	4,117	0	0	207	4,326	219	2	2	15	1	9	10	0	2	3	0	4,000
1-6-e	Building Construction	28	7	60	2	32	34	1	8	9	0.1	14,480	0	0	725	15,211	769	27	6	54	2	32	34	1	8	9	0	14,070
2-7-a	Site Prep, Clear and Grub and Rough Grading	0	0	3	0	2	2	0	0	0	0.0	675	0	0	31	706	33	0	0	2	0	2	2	0	0	0	0	657
2-7-c	Auger Cast Caissons & Site Utilities	1	1	5	0	3	3	0	1	1	0.0	1,708	0	0	62	1,775	87	1	1	5	0	3	3	0	1	1	0	1,671
2-7-d	Curb, Gutter & Interior Roads	1	1	7	0	4	4	0	1	1	0.0	1,755	0	0	83	1,839	92	1	1	6	0	4	4	0	1	1	0	1,707
2-7-e	Building Construction	20	5	43	1	23	25	1	6	6	0.1	10,464	0	0	518	10,988	555	19	5	38	1	23	25	1	6	6	0	10,171
2-8-a	Site Prep, Clear and Grub and Rough Grading	0	0	3	0	1	2	0	0	0	0.0	648	0	0	31	679	33	0	0	2	0	1	2	0	0	0	0	630
2-8-c	Auger Cast Caissons & Site Utilities	1	1	5	0	3	3	0	1	1	0.0	1,708	0	0	62	1,775	87	1	1	5	0	3	3	0	1	1	0	1,671
2-8-d	Curb, Gutter & Interior Roads	1	1	7	0	4	4	0	1	1	0.0	1,755	0	0	83	1,839	92	1	1	6	0	4	4	0	1	1	0	1,707
2-8-e	Building Construction	21	5	43	1	23	25	1	6	6	0.1	10,464	0	0	518	10,988	555	20	5	38	1	23	25	1	6	6	0	10,171
5-1-Pave	Paving	0.1																0.1										
4-2-Pave	Paving	0.2																0.2										
4-3-Pave	Paving	0.2																0.2										
4-4-Pave	Paving	0.1																0.1										
3-5-Pave	Paving	0.3																0.3										
1-6-Pave	Paving	0.4																0.4										
2-7-Pave	Paving	0.2																0.2										
2-8-Pave	Paving	0.2																0.2										

Construction - Mitigated Tier 4

Daily Construct

					Gal/Day	Pounds per day															Gal/Day	Pounds per day									
						2019																2020									
Sched Code	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
5-1-a	0	0	15	702	33	0	0	1	0	1	1	0	0	0	0	672	0	0	15	690	32	0	0	1	0	1	1	0	0	0	0
5-1-c	0	0	80	2,138	105	1	1	6	0	4	4	0	1	1	0	2,002	0	0	78	2,084	102	1	1	5	0	4	4	0	1	1	0
5-1-d	0	0	101	2,192	110	1	1	7	0	5	5	0	1	1	0	2,028	0	0	97	2,127	107	1	1	6	0	5	5	0	1	1	0
5-1-e	0	0	503	10,719	541	14	4	34	1	23	25	1	6	6	0	9,904	0	0	487	10,396	524	14	4	31	1	23	25	1	6	6	0
4-2-a	0	0	30	734	36	0	0	2	0	2	2	0	0	0	0	684	0	0	29	714	35	0	0	2	0	2	2	0	0	0	0
4-2-b	0	0	30	1,502	70	0	1	2	0	2	2	0	1	1	0	1,440	0	0	29	1,476	69	0	1	2	0	2	2	0	1	1	0
4-2-c	0	0	151	4,605	223	1	3	11	0	8	8	0	2	2	0	4,341	0	0	146	4,501	218	1	3	10	0	8	8	0	2	2	0
4-2-d	0	0	201	4,745	236	2	2	14	1	10	10	0	2	3	0	4,412	0	0	195	4,613	230	2	2	13	1	10	10	0	2	3	0
4-2-e	0	0	1,206	24,925	1,262	33	9	82	3	55	58	1	14	15	0	22,978	0	0	1,168	24,153	1,222	32	8	75	3	55	58	1	14	15	0
4-3-c	0	0	151	4,075	200	1	2	10	0	8	8	0	2	2	0	3,819	0	0	146	3,974	195	1	2	10	0	8	8	0	2	2	0
4-3-d	0	0	201	4,163	211	2	1	14	1	9	10	0	2	3	0	3,838	0	0	195	4,034	204	2	1	12	1	9	10	0	2	3	0
4-3-e	0	0	553	11,379	577	21	4	38	1	25	27	1	6	7	0	10,487	0	0	535	11,026	558	21	4	34	1	25	27	1	6	7	0
4-4-a	0	0	30	1,228	58	0	1	2	0	2	2	0	0	0	0	1,170	0	0	29	1,204	56	0	1	2	0	2	2	0	0	0	0
4-4-c	0	0	151	3,546	177	1	2	10	0	7	8	0	2	2	0	3,296	0	0	146	3,447	172	1	2	9	0	7	8	0	2	2	0
4-4-d	0	0	201	4,202	212	2	2	14	1	9	10	0	2	3	0	3,877	0	0	195	4,073	206	2	1	12	1	9	10	0	2	3	0
4-4-e	0	0	553	11,818	596	24	5	38	1	26	27	1	6	7	0	10,921	0	0	535	11,462	577	24	4	34	1	26	27	1	6	7	0
3-2-a	0	0	30	674	34	0	0	2	0	1	1	0	0	0	0	624	0	0	29	654	33	0	0	2	0	1	1	0	0	0	0
3-5-c	0	0	151	3,410	171	1	1	10	0	7	7	0	2	2	0	3,163	0	0	146	3,312	166	1	1	9	0	7	7	0	2	2	0
3-5-d	0	0	201	4,127	209	2	1	14	1	9	10	0	2	3	0	3,803	0	0	195	3,999	203	2	1	12	1	9	10	0	2	3	0
3-5-e	0	0	553	11,552	584	18	4	38	1	25	27	1	6	7	0	10,658	0	0	535	11,197	566	18	4	34	1	25	27	1	6	7	0
1-6-a	0	0	30	679	32	0	0	2	0	2	2	0	0	0	0	630	0	0	29	659	31	0	0	2	0	2	2	0	0	0	0
1-6-c	0	0	151	3,546	177	1	2	10	0	7	8	0	2	2	0	3,296	0	0	146	3,447	172	1	2	9	0	7	8	0	2	2	0
1-6-d	0	0	201	4,202	212	2	2	14	1	9	10	0	2	3	0	3,877	0	0	195	4,073	206	2	1	12	1	9	10	0	2	3	0
1-6-e	0	0	704	14,780	747	26	6	48	2	32	34	1	8	9	0	13,641	0	0	681	14,329	724	26	5	44	2	32	34	1	8	9	0
2-7-a	0	0	30	688	32	0	0	2	0	2	2	0	0	0	0	639	0	0	29	668	31	0	0	2	0	2	2	0	0	0	0
2-7-c	0	0	60	1,736	85	1	1	4	0	3	3	0	1	1	0	1,632	0	0	58	1,695	83	0	1	4	0	3	3	0	1	1	0
2-7-d	0	0	80	1,789	90	1	1	6	0	4	4	0	1	1	0	1,658	0	0	78	1,737	87	1	1	5	0	4	4	0	1	1	0
2-7-e	0	0	503	10,679	539	19	4	34	1	23	25	1	6	6	0	9,865	0	0	487	10,357	522	18	4	31	1	23	25	1	6	6	0
2-8-a	0	0	30	661	32	0	0	2	0	1	2	0	0	0	0	612	0	0	29	641	31	0	0	2	0	1	2	0	0	0	0
2-8-c	0	0	60	1,736	85	1	1	4	0	3	3	0	1	1	0	1,632	0	0	58	1,695	83	0	1	4	0	3	3	0	1	1	0
2-8-d	0	0	80	1,789	90	1	1	6	0	4	4	0	1	1	0	1,658	0	0	78	1,737	87	1	1	5	0	4	4	0	1	1	0
2-8-e	0	0	503	10,679	539	20	4	34	1	23	25	1	6	6	0	9,865	0	0	487	10,357	522	19	4	31	1	23	25	1	6	6	0
5-1-Pave						0.1																0.1									
4-2-Pave						0.2																0.2									
4-3-Pave						0.2																0.2									
4-4-Pave						0.1																0.1									
3-5-Pave						0.3																0.3									
1-6-Pave						0.4																0.4									
2-7-Pave						0.2																0.2									
2-8-Pave						0.2																0.2									

Construction - Mitigated Tier 4

Daily Construct

					Gal/Day	Pounds per day															Gal/Day	Pounds per day								
						2021																2022								
Sched Code	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T
5-1-a	662	0	0	14	679	31	0	0	1	0	1	1	0	0	0	0	649	0	0	14	666	31	0	0	1	0	1	1	0	0	0
5-1-c	1,951	0	0	75	2,031	100	1	1	5	0	4	4	0	1	1	0	1,896	0	0	73	1,973	97	1	1	4	0	4	4	0	1	1
5-1-d	1,966	0	0	94	2,061	104	1	1	6	0	5	5	0	1	1	0	1,899	0	0	91	1,992	100	1	1	5	0	5	5	0	1	1
5-1-e	9,594	0	0	470	10,070	507	13	3	28	1	23	25	1	6	6	0	9,266	0	0	453	9,725	489	13	3	26	1	23	25	1	6	6
4-2-a	665	0	0	28	694	34	0	0	2	0	2	2	0	0	0	0	644	0	0	27	673	33	0	0	2	0	2	2	0	0	0
4-2-b	1,419	0	0	28	1,455	68	0	1	2	0	2	2	0	1	1	0	1,392	0	0	27	1,427	67	0	1	2	0	2	2	0	1	1
4-2-c	4,245	0	0	141	4,400	213	1	3	9	0	8	8	0	2	2	0	4,138	0	0	136	4,287	207	1	3	8	0	8	8	0	2	2
4-2-d	4,287	0	0	188	4,481	223	1	2	11	1	10	10	0	2	3	0	4,152	0	0	181	4,340	216	1	2	11	1	10	10	0	2	3
4-2-e	22,237	0	0	1,129	23,373	1,182	31	7	68	3	55	58	1	14	15	0	21,453	0	0	1,088	22,548	1,140	31	7	62	3	55	58	1	14	15
4-3-c	3,724	0	0	141	3,874	190	1	2	9	0	8	8	0	2	2	0	3,620	0	0	136	3,765	184	1	2	8	0	8	8	0	2	2
4-3-d	3,715	0	0	188	3,904	197	1	1	11	1	9	10	0	2	3	0	3,584	0	0	181	3,766	190	1	1	10	1	9	10	0	2	3
4-3-e	10,148	0	0	518	10,668	540	21	3	31	1	25	27	1	6	7	0	9,789	0	0	499	10,290	520	21	3	29	1	25	27	1	6	7
4-4-a	1,150	0	0	28	1,183	55	0	1	2	0	2	2	0	0	0	0	1,125	0	0	27	1,157	54	0	1	2	0	2	2	0	0	0
4-4-c	3,203	0	0	141	3,348	167	1	1	9	0	7	8	0	2	2	0	3,102	0	0	136	3,242	161	1	1	8	0	7	8	0	2	2
4-4-d	3,753	0	0	188	3,943	199	1	1	11	1	9	10	0	2	3	0	3,622	0	0	181	3,805	192	1	1	10	1	9	10	0	2	3
4-4-e	10,580	0	0	518	11,104	559	23	4	31	1	26	27	1	6	7	0	10,219	0	0	499	10,724	540	23	4	29	1	26	27	1	6	7
3-2-a	606	0	0	28	635	32	0	0	2	0	1	1	0	0	0	0	586	0	0	27	614	31	0	0	2	0	1	1	0	0	0
3-5-c	3,069	0	0	141	3,214	161	1	1	9	0	7	7	0	2	2	0	2,970	0	0	136	3,109	155	1	1	8	0	7	7	0	2	2
3-5-d	3,680	0	0	188	3,869	196	1	1	11	1	9	10	0	2	3	0	3,549	0	0	181	3,731	189	1	1	10	1	9	10	0	2	3
3-5-e	10,318	0	0	518	10,840	547	18	4	31	1	25	27	1	6	7	0	9,958	0	0	499	10,461	528	17	3	29	1	25	27	1	6	7
1-6-a	611	0	0	28	640	30	0	0	2	0	2	2	0	0	0	0	591	0	0	27	619	29	0	0	2	0	2	2	0	0	0
1-6-c	3,203	0	0	141	3,348	167	1	1	9	0	7	8	0	2	2	0	3,102	0	0	136	3,242	161	1	1	8	0	7	8	0	2	2
1-6-d	3,753	0	0	188	3,943	199	1	1	11	1	9	10	0	2	3	0	3,622	0	0	181	3,805	192	1	1	10	1	9	10	0	2	3
1-6-e	13,208	0	0	659	13,873	700	25	5	40	2	32	34	1	8	9	0	12,750	0	0	635	13,391	675	25	4	36	2	32	34	1	8	9
2-7-a	620	0	0	28	649	30	0	0	2	0	2	2	0	0	0	0	600	0	0	27	628	29	0	0	2	0	2	2	0	0	0
2-7-c	1,594	0	0	56	1,655	81	0	1	4	0	3	3	0	1	1	0	1,551	0	0	54	1,610	78	0	1	3	0	3	3	0	1	1
2-7-d	1,608	0	0	75	1,685	84	1	1	5	0	4	4	0	1	1	0	1,555	0	0	73	1,629	82	1	1	4	0	4	4	0	1	1
2-7-e	9,555	0	0	470	10,031	505	18	3	28	1	23	25	1	6	6	0	9,227	0	0	453	9,686	488	18	3	26	1	23	25	1	6	6
2-8-a	593	0	0	28	622	30	0	0	2	0	1	2	0	0	0	0	573	0	0	27	601	29	0	0	2	0	1	2	0	0	0
2-8-c	1,594	0	0	56	1,655	81	0	1	4	0	3	3	0	1	1	0	1,551	0	0	54	1,610	78	0	1	3	0	3	3	0	1	1
2-8-d	1,608	0	0	75	1,685	84	1	1	5	0	4	4	0	1	1	0	1,555	0	0	73	1,629	82	1	1	4	0	4	4	0	1	1
2-8-e	9,555	0	0	470	10,031	505	19	3	28	1	23	25	1	6	6	0	9,227	0	0	453	9,686	488	19	3	26	1	23	25	1	6	6
5-1-Pave							0.1																0.1								
4-2-Pave							0.2																0.2								
4-3-Pave							0.2																0.2								
4-4-Pave							0.1																0.1								
3-5-Pave							0.3																0.3								
1-6-Pave							0.4																0.4								
2-7-Pave							0.2																0.2								
2-8-Pave							0.2																0.2								

Construction - Mitigated Tier 4

Daily Construct

							Gal/Day	Pounds per day															Gal/Day	Pounds per d							
								2023																20							
Sched Code	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D
5-1-a	0	636	0	0	13	652	30	0	0	1	0	1	1	0	0	0	0	623	0	0	13	639	29	0	0	1	0	1	1	0	0
5-1-c	0	1,840	0	0	70	1,915	94	1	1	4	0	4	4	0	1	1	0	1,780	0	0	67	1,852	91	0	1	4	0	4	4	0	1
5-1-d	0	1,833	0	0	87	1,922	96	1	1	5	0	5	5	0	1	1	0	1,764	0	0	84	1,849	93	1	1	4	0	5	5	0	1
5-1-e	0	8,938	0	0	436	9,379	472	13	3	24	1	23	25	1	6	6	0	8,590	0	0	419	9,014	453	13	3	22	1	23	25	1	6
4-2-a	0	624	0	0	26	651	32	0	0	1	0	2	2	0	0	0	0	603	0	0	25	629	31	0	0	1	0	2	2	0	0
4-2-b	0	1,365	0	0	26	1,399	65	0	1	2	0	2	2	0	1	1	0	1,338	0	0	25	1,371	64	0	1	2	0	2	2	0	1
4-2-c	0	4,029	0	0	131	4,173	201	1	2	8	0	8	8	0	2	2	0	3,909	0	0	126	4,048	195	1	2	7	0	8	8	0	2
4-2-d	0	4,017	0	0	175	4,198	208	1	2	10	1	10	10	0	2	3	0	3,874	0	0	167	4,048	201	1	1	9	1	10	10	0	2
4-2-e	0	20,670	0	0	1,047	21,723	1,098	30	6	58	3	55	58	1	14	15	0	19,849	0	0	1,005	20,861	1,054	30	5	53	3	55	58	1	14
4-3-c	0	3,515	0	0	131	3,655	179	1	2	7	0	8	8	0	2	2	0	3,401	0	0	126	3,536	173	1	2	7	0	8	8	0	2
4-3-d	0	3,453	0	0	175	3,628	183	1	1	10	1	9	10	0	2	3	0	3,317	0	0	167	3,485	176	1	1	9	1	9	10	0	2
4-3-e	0	9,430	0	0	480	9,913	501	20	3	26	1	25	27	1	6	7	0	9,055	0	0	460	9,518	481	20	2	25	1	25	27	1	6
4-4-a	0	1,101	0	0	26	1,132	53	0	1	2	0	2	2	0	0	0	0	1,076	0	0	25	1,106	51	0	1	1	0	2	2	0	0
4-4-c	0	3,001	0	0	131	3,136	156	1	1	7	0	7	8	0	2	2	0	2,893	0	0	126	3,023	150	1	1	7	0	7	8	0	2
4-4-d	0	3,491	0	0	175	3,667	185	1	1	10	1	9	10	0	2	3	0	3,354	0	0	167	3,523	178	1	1	9	1	9	10	0	2
4-4-e	0	9,858	0	0	480	10,344	520	23	3	26	1	26	27	1	6	7	0	9,475	0	0	460	9,942	500	23	3	25	1	26	27	1	6
3-2-a	0	566	0	0	26	592	30	0	0	1	0	1	1	0	0	0	0	545	0	0	25	571	29	0	0	1	0	1	1	0	0
3-5-c	0	2,869	0	0	131	3,004	150	1	1	7	0	7	7	0	2	2	0	2,764	0	0	126	2,892	144	1	1	7	0	7	7	0	2
3-5-d	0	3,418	0	0	175	3,594	182	1	1	10	1	9	10	0	2	3	0	3,282	0	0	167	3,451	174	1	1	9	1	9	10	0	2
3-5-e	0	9,598	0	0	480	10,082	509	17	3	26	1	25	27	1	6	7	0	9,220	0	0	460	9,685	488	17	3	25	1	25	27	1	6
1-6-a	0	572	0	0	26	598	28	0	0	1	0	2	2	0	0	0	0	551	0	0	25	577	27	0	0	1	0	2	2	0	0
1-6-c	0	3,001	0	0	131	3,136	156	1	1	7	0	7	8	0	2	2	0	2,893	0	0	126	3,023	150	1	1	7	0	7	8	0	2
1-6-d	0	3,491	0	0	175	3,667	185	1	1	10	1	9	10	0	2	3	0	3,354	0	0	167	3,523	178	1	1	9	1	9	10	0	2
1-6-e	0	12,292	0	0	611	12,909	651	25	4	34	2	32	34	1	8	9	0	11,809	0	0	586	12,401	625	25	3	31	2	32	34	1	8
2-7-a	0	581	0	0	26	607	28	0	0	1	0	2	2	0	0	0	0	560	0	0	25	586	27	0	0	1	0	2	2	0	0
2-7-c	0	1,509	0	0	52	1,566	76	0	1	3	0	3	3	0	1	1	0	1,462	0	0	50	1,517	74	0	1	3	0	3	3	0	1
2-7-d	0	1,502	0	0	70	1,573	79	1	1	4	0	4	4	0	1	1	0	1,446	0	0	67	1,514	76	0	0	4	0	4	4	0	1
2-7-e	0	8,899	0	0	436	9,341	470	18	3	24	1	23	25	1	6	6	0	8,552	0	0	419	8,976	452	17	3	22	1	23	25	1	6
2-8-a	0	554	0	0	26	580	28	0	0	1	0	1	2	0	0	0	0	533	0	0	25	559	27	0	0	1	0	1	2	0	0
2-8-c	0	1,509	0	0	52	1,566	76	0	1	3	0	3	3	0	1	1	0	1,462	0	0	50	1,517	74	0	1	3	0	3	3	0	1
2-8-d	0	1,502	0	0	70	1,573	79	1	1	4	0	4	4	0	1	1	0	1,446	0	0	67	1,514	76	0	0	4	0	4	4	0	1
2-8-e	0	8,899	0	0	436	9,341	470	19	3	24	1	23	25	1	6	6	0	8,552	0	0	419	8,976	452	19	3	22	1	23	25	1	6
5-1-Pave								0.1																0.1							
4-2-Pave								0.2																0.2							
4-3-Pave								0.2																0.2							
4-4-Pave								0.1																0.1							
3-5-Pave								0.3																0.3							
1-6-Pave								0.4																0.4							
2-7-Pave								0.2																0.2							
2-8-Pave								0.2																0.2							

Construction - Mitigated Tier 4

Daily Construct

	:y							Gal/Day	Pounds per day																Gal/Day							F
	24								2025																							
Sched Code	PM2.5T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex
5-1-a	0	0	611	0	0	12	627	29	0	0	1	0	1	1	0	0	0	0	599	0	0	11	614	28	0	0	1	0	1	1	0
5-1-c	1	0	1,724	0	0	64	1,792	88	0	1	3	0	4	4	0	1	1	0	1,664	0	0	61	1,729	84	0	1	3	0	4	4	0
5-1-d	1	0	1,695	0	0	80	1,777	89	1	1	4	0	5	5	0	1	1	0	1,622	0	0	76	1,700	85	1	0	4	0	5	5	0
5-1-e	6	0	8,248	0	0	401	8,655	435	13	2	21	1	23	25	1	6	6	0	7,882	0	0	382	8,269	415	12	2	20	1	23	25	1
4-2-a	0	0	582	0	0	24	607	30	0	0	1	0	2	2	0	0	0	0	560	0	0	23	584	29	0	0	1	0	2	2	0
4-2-b	1	0	1,315	0	0	24	1,346	63	0	1	1	0	2	2	0	1	1	0	1,290	0	0	23	1,320	61	0	1	1	0	2	2	0
4-2-c	2	0	3,801	0	0	120	3,935	189	1	2	7	0	8	8	0	2	2	0	3,686	0	0	114	3,814	183	1	2	6	0	8	8	0
4-2-d	3	0	3,736	0	0	160	3,902	193	1	1	8	1	10	10	0	2	3	0	3,588	0	0	153	3,746	185	1	1	8	1	10	10	0
4-2-e	15	0	19,032	0	0	962	20,000	1,010	29	5	50	3	55	58	1	14	15	0	18,155	0	0	916	19,077	963	29	5	47	3	55	58	1
4-3-c	2	0	3,296	0	0	120	3,424	167	1	2	6	0	8	8	0	2	2	0	3,183	0	0	114	3,306	161	1	2	6	0	8	8	0
4-3-d	3	0	3,180	0	0	160	3,342	169	1	1	8	1	9	10	0	2	3	0	3,034	0	0	153	3,188	161	1	1	8	1	9	10	0
4-3-e	7	0	8,680	0	0	441	9,123	461	20	2	23	1	25	27	1	6	7	0	8,278	0	0	420	8,701	439	20	2	21	1	25	27	1
4-4-a	0	0	1,053	0	0	24	1,082	50	0	1	1	0	2	2	0	0	0	0	1,029	0	0	23	1,057	49	0	1	1	0	2	2	0
4-4-c	2	0	2,790	0	0	120	2,914	144	1	1	6	0	7	8	0	2	2	0	2,679	0	0	114	2,797	139	1	1	6	0	7	8	0
4-4-d	3	0	3,218	0	0	160	3,380	170	1	1	8	1	9	10	0	2	3	0	3,072	0	0	153	3,226	162	1	1	8	1	9	10	0
4-4-e	7	0	9,099	0	0	441	9,546	479	23	3	23	1	26	27	1	6	7	0	8,696	0	0	420	9,121	458	22	3	22	1	26	27	1
3-2-a	0	0	524	0	0	24	549	27	0	0	1	0	1	1	0	0	0	0	502	0	0	23	526	26	0	0	1	0	1	1	0
3-5-c	2	0	2,660	0	0	120	2,784	139	1	1	6	0	7	7	0	2	2	0	2,550	0	0	114	2,667	133	1	1	6	0	7	7	0
3-5-d	3	0	3,146	0	0	160	3,307	167	1	1	8	1	9	10	0	2	3	0	3,000	0	0	153	3,154	159	1	1	8	1	9	10	0
3-5-e	7	0	8,845	0	0	441	9,290	468	17	2	23	1	25	27	1	6	7	0	8,442	0	0	420	8,866	447	17	2	21	1	25	27	1
1-6-a	0	0	531	0	0	24	555	26	0	0	1	0	2	2	0	0	0	0	509	0	0	23	532	24	0	0	1	0	2	2	0
1-6-c	2	0	2,790	0	0	120	2,914	144	1	1	6	0	7	8	0	2	2	0	2,679	0	0	114	2,797	139	1	1	6	0	7	8	0
1-6-d	3	0	3,218	0	0	160	3,380	170	1	1	8	1	9	10	0	2	3	0	3,072	0	0	153	3,226	162	1	1	8	1	9	10	0
1-6-e	9	0	11,331	0	0	561	11,898	599	24	3	29	2	32	34	1	8	9	0	10,819	0	0	534	11,359	572	24	3	27	2	32	34	1
2-7-a	0	0	540	0	0	24	564	26	0	0	1	0	2	2	0	0	0	0	518	0	0	23	541	24	0	0	1	0	2	2	0
2-7-c	1	0	1,419	0	0	48	1,472	71	0	1	3	0	3	3	0	1	1	0	1,374	0	0	46	1,424	69	0	1	2	0	3	3	0
2-7-d	1	0	1,391	0	0	64	1,456	73	0	0	3	0	4	4	0	1	1	0	1,332	0	0	61	1,394	70	0	0	3	0	4	4	0
2-7-e	6	0	8,211	0	0	401	8,616	433	17	2	21	1	23	25	1	6	6	0	7,844	0	0	382	8,231	414	17	2	20	1	23	25	1
2-8-a	0	0	513	0	0	24	537	26	0	0	1	0	1	2	0	0	0	0	491	0	0	23	514	24	0	0	1	0	1	2	0
2-8-c	1	0	1,419	0	0	48	1,472	71	0	1	3	0	3	3	0	1	1	0	1,374	0	0	46	1,424	69	0	1	2	0	3	3	0
2-8-d	1	0	1,391	0	0	64	1,456	73	0	0	3	0	4	4	0	1	1	0	1,332	0	0	61	1,394	70	0	0	3	0	4	4	0
2-8-e	6	0	8,211	0	0	401	8,616	433	18	2	21	1	23	25	1	6	6	0	7,844	0	0	382	8,231	414	18	2	20	1	23	25	1
5-1-Pave									0.1																0.1						
4-2-Pave									0.2																0.2						
4-3-Pave									0.2																0.2						
4-4-Pave									0.1																0.1						
3-5-Pave									0.3																0.3						
1-6-Pave									0.4																0.4						
2-7-Pave									0.2																0.2						
2-8-Pave									0.2																0.2						

Construction - Mitigated Tier 4

Daily Construct

	ounds per day								Gal/Day	Pounds per day															Gal/Day						
	2026									2027																					
Sched Code	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T
5-1-a	0	0	0	588	0	0	11	602	28	0	0	1	0	1	1	0	0	0	0	578	0	0	10	592	27	0	0	1	0	1	1
5-1-c	1	1	0	1,611	0	0	58	1,673	81	0	1	3	0	4	4	0	1	1	0	1,563	0	0	56	1,623	79	0	1	3	0	4	4
5-1-d	1	1	0	1,557	0	0	73	1,632	82	1	0	4	0	5	5	0	1	1	0	1,500	0	0	70	1,571	79	1	0	4	0	5	5
5-1-e	6	6	0	7,559	0	0	365	7,929	398	12	2	18	1	23	25	1	6	6	0	7,271	0	0	350	7,626	383	12	2	17	1	23	25
4-2-a	0	0	0	540	0	0	22	563	28	0	0	1	0	2	2	0	0	0	0	522	0	0	21	544	27	0	0	1	0	2	2
4-2-b	1	1	0	1,268	0	0	22	1,297	60	0	1	1	0	2	2	0	1	1	0	1,247	0	0	21	1,276	59	0	1	1	0	2	2
4-2-c	2	2	0	3,584	0	0	109	3,707	178	1	2	6	0	8	8	0	2	2	0	3,492	0	0	105	3,610	173	1	2	6	0	8	8
4-2-d	2	3	0	3,457	0	0	146	3,609	178	1	1	7	1	10	10	0	2	3	0	3,340	0	0	140	3,486	172	1	1	7	1	10	10
4-2-e	14	15	0	17,383	0	0	875	18,264	921	29	4	44	3	55	58	1	14	15	0	16,697	0	0	839	17,543	885	29	4	42	3	55	58
4-3-c	2	2	0	3,082	0	0	109	3,201	156	1	2	6	0	8	8	0	2	2	0	2,993	0	0	105	3,106	151	1	1	5	0	8	8
4-3-d	2	3	0	2,905	0	0	146	3,052	154	1	1	7	1	9	10	0	2	3	0	2,791	0	0	140	2,932	148	1	1	7	1	9	10
4-3-e	6	7	0	7,925	0	0	401	8,328	420	20	2	20	1	25	27	1	6	7	0	7,610	0	0	385	7,998	404	20	2	19	1	25	27
4-4-a	0	0	0	1,008	0	0	22	1,035	48	0	1	1	0	2	2	0	0	0	0	989	0	0	21	1,015	47	0	1	1	0	2	2
4-4-c	2	2	0	2,581	0	0	109	2,694	133	1	1	6	0	7	8	0	2	2	0	2,493	0	0	105	2,602	129	1	1	5	0	7	8
4-4-d	2	3	0	2,943	0	0	146	3,090	156	1	1	7	1	9	10	0	2	3	0	2,828	0	0	140	2,970	149	1	1	7	1	9	10
4-4-e	6	7	0	8,340	0	0	401	8,747	439	22	2	20	1	26	27	1	6	7	0	8,024	0	0	385	8,415	422	22	2	19	1	26	27
3-2-a	0	0	0	483	0	0	22	505	25	0	0	1	0	1	1	0	0	0	0	465	0	0	21	487	24	0	0	1	0	1	1
3-5-c	2	2	0	2,452	0	0	109	2,565	128	1	1	6	0	7	7	0	2	2	0	2,365	0	0	105	2,473	123	1	1	5	0	7	7
3-5-d	2	3	0	2,872	0	0	146	3,018	152	1	1	7	1	9	10	0	2	3	0	2,758	0	0	140	2,898	146	1	1	7	1	9	10
3-5-e	6	7	0	8,088	0	0	401	8,493	428	16	2	20	1	25	27	1	6	7	0	7,773	0	0	385	8,162	411	16	2	19	1	25	27
1-6-a	0	0	0	490	0	0	22	512	23	0	0	1	0	2	2	0	0	0	0	472	0	0	21	494	22	0	0	1	0	2	2
1-6-c	2	2	0	2,581	0	0	109	2,694	133	1	1	6	0	7	8	0	2	2	0	2,493	0	0	105	2,602	129	1	1	5	0	7	8
1-6-d	2	3	0	2,943	0	0	146	3,090	156	1	1	7	1	9	10	0	2	3	0	2,828	0	0	140	2,970	149	1	1	7	1	9	10
1-6-e	8	9	0	10,367	0	0	511	10,884	548	24	3	26	2	32	34	1	8	9	0	9,966	0	0	490	10,461	526	24	3	24	2	32	34
2-7-a	0	0	0	499	0	0	22	521	23	0	0	1	0	2	2	0	0	0	0	481	0	0	21	503	22	0	0	1	0	2	2
2-7-c	1	1	0	1,333	0	0	44	1,381	67	0	1	2	0	3	3	0	1	1	0	1,297	0	0	42	1,343	65	0	1	2	0	3	3
2-7-d	1	1	0	1,280	0	0	58	1,340	67	0	0	3	0	4	4	0	1	1	0	1,234	0	0	56	1,291	64	0	0	3	0	4	4
2-7-e	6	6	0	7,521	0	0	365	7,891	396	17	2	18	1	23	25	1	6	6	0	7,234	0	0	350	7,589	381	17	2	17	1	23	25
2-8-a	0	0	0	472	0	0	22	494	23	0	0	1	0	1	2	0	0	0	0	454	0	0	21	476	22	0	0	1	0	1	2
2-8-c	1	1	0	1,333	0	0	44	1,381	67	0	1	2	0	3	3	0	1	1	0	1,297	0	0	42	1,343	65	0	1	2	0	3	3
2-8-d	1	1	0	1,280	0	0	58	1,340	67	0	0	3	0	4	4	0	1	1	0	1,234	0	0	56	1,291	64	0	0	3	0	4	4
2-8-e	6	6	0	7,521	0	0	365	7,891	396	18	2	18	1	23	25	1	6	6	0	7,234	0	0	350	7,589	381	18	2	17	1	23	25
5-1-Pave										0.1																0.1						
4-2-Pave										0.2																0.2						
4-3-Pave										0.2																0.2						
4-4-Pave										0.1																0.1						
3-5-Pave										0.3																0.3						
1-6-Pave										0.4																0.4						
2-7-Pave										0.2																0.2						
2-8-Pave										0.2																0.2						

Construction - Mitigated Tier 4

Daily Construct

	Pounds per day									Gal/Day	Pounds per day															Gal/Day					
	2028										2029																				
Sched Code	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D
5-1-a	0	0	0	0	569	0	0	10	583	27	0	0	1	0	1	1	0	0	0	0	562	0	0	10	575	26	0	0	1	0	1
5-1-c	0	1	1	0	1,521	0	0	54	1,579	77	0	1	3	0	4	4	0	1	1	0	1,484	0	0	52	1,540	75	0	1	3	0	4
5-1-d	0	1	1	0	1,449	0	0	67	1,518	76	0	0	3	0	5	5	0	1	1	0	1,404	0	0	65	1,470	73	0	0	3	0	5
5-1-e	1	6	6	0	7,018	0	0	336	7,360	369	12	2	17	1	23	25	1	6	6	0	6,795	0	0	325	7,125	357	12	2	16	1	23
4-2-a	0	0	0	0	507	0	0	20	528	26	0	0	1	0	2	2	0	0	0	0	493	0	0	19	514	25	0	0	1	0	2
4-2-b	0	1	1	0	1,230	0	0	20	1,257	58	0	1	1	0	2	2	0	1	1	0	1,214	0	0	19	1,240	57	0	1	1	0	2
4-2-c	0	2	2	0	3,413	0	0	101	3,526	169	1	2	5	0	8	8	0	2	2	0	3,342	0	0	97	3,452	165	1	2	5	0	8
4-2-d	0	2	3	0	3,238	0	0	135	3,378	167	1	1	7	1	10	10	0	2	3	0	3,147	0	0	130	3,283	162	1	1	6	1	10
4-2-e	1	14	15	0	16,092	0	0	808	16,906	852	28	4	39	3	55	58	1	14	15	0	15,558	0	0	780	16,344	824	28	4	37	3	55
4-3-c	0	2	2	0	2,914	0	0	101	3,024	147	1	1	5	0	8	8	0	2	2	0	2,845	0	0	97	2,951	143	1	1	5	0	8
4-3-d	0	2	3	0	2,690	0	0	135	2,826	142	1	1	7	1	9	10	0	2	3	0	2,601	0	0	130	2,732	138	1	1	6	1	9
4-3-e	1	6	7	0	7,334	0	0	370	7,706	389	19	2	18	1	25	27	1	6	7	0	7,089	0	0	357	7,449	376	19	2	17	1	25
4-4-a	0	0	0	0	972	0	0	20	997	46	0	1	1	0	2	2	0	0	0	0	957	0	0	19	981	45	0	1	1	0	2
4-4-c	0	2	2	0	2,416	0	0	101	2,521	125	1	1	5	0	7	8	0	2	2	0	2,348	0	0	97	2,450	121	1	1	5	0	7
4-4-d	0	2	3	0	2,727	0	0	135	2,864	144	1	1	7	1	9	10	0	2	3	0	2,638	0	0	130	2,770	139	1	1	6	1	9
4-4-e	1	6	7	0	7,746	0	0	370	8,122	407	22	2	18	1	26	27	1	6	7	0	7,500	0	0	357	7,863	394	22	2	17	1	26
3-2-a	0	0	0	0	450	0	0	20	471	23	0	0	1	0	1	1	0	0	0	0	437	0	0	19	457	23	0	0	1	0	1
3-5-c	0	2	2	0	2,289	0	0	101	2,393	119	1	1	5	0	7	7	0	2	2	0	2,221	0	0	97	2,322	115	1	1	5	0	7
3-5-d	0	2	3	0	2,657	0	0	135	2,792	141	1	1	7	1	9	10	0	2	3	0	2,568	0	0	130	2,699	136	1	1	6	1	9
3-5-e	1	6	7	0	7,496	0	0	370	7,870	396	16	2	18	1	25	27	1	6	7	0	7,251	0	0	357	7,612	383	16	2	17	1	25
1-6-a	0	0	0	0	457	0	0	20	478	22	0	0	1	0	2	2	0	0	0	0	444	0	0	19	464	21	0	0	1	0	2
1-6-c	0	2	2	0	2,416	0	0	101	2,521	125	1	1	5	0	7	8	0	2	2	0	2,348	0	0	97	2,450	121	1	1	5	0	7
1-6-d	0	2	3	0	2,727	0	0	135	2,864	144	1	1	7	1	9	10	0	2	3	0	2,638	0	0	130	2,770	139	1	1	6	1	9
1-6-e	1	8	9	0	9,613	0	0	471	10,090	507	24	3	23	2	32	34	1	8	9	0	9,301	0	0	455	9,761	491	24	2	22	2	32
2-7-a	0	0	0	0	466	0	0	20	487	22	0	0	1	0	2	2	0	0	0	0	453	0	0	19	473	21	0	0	1	0	2
2-7-c	0	1	1	0	1,265	0	0	40	1,310	63	0	1	2	0	3	3	0	1	1	0	1,237	0	0	39	1,281	62	0	1	2	0	3
2-7-d	0	1	1	0	1,193	0	0	54	1,248	62	0	0	3	0	4	4	0	1	1	0	1,157	0	0	52	1,211	60	0	0	3	0	4
2-7-e	1	6	6	0	6,981	0	0	336	7,323	367	17	2	17	1	23	25	1	6	6	0	6,758	0	0	325	7,088	355	17	2	16	1	23
2-8-a	0	0	0	0	439	0	0	20	460	22	0	0	1	0	1	2	0	0	0	0	426	0	0	19	446	21	0	0	1	0	1
2-8-c	0	1	1	0	1,265	0	0	40	1,310	63	0	1	2	0	3	3	0	1	1	0	1,237	0	0	39	1,281	62	0	1	2	0	3
2-8-d	0	1	1	0	1,193	0	0	54	1,248	62	0	0	3	0	4	4	0	1	1	0	1,157	0	0	52	1,211	60	0	0	3	0	4
2-8-e	1	6	6	0	6,981	0	0	336	7,323	367	18	2	17	1	23	25	1	6	6	0	6,758	0	0	325	7,088	355	18	2	16	1	23
5-1-Pave											0.1																0.1				
4-2-Pave											0.2																0.2				
4-3-Pave											0.2																0.2				
4-4-Pave											0.1																0.1				
3-5-Pave											0.3																0.3				
1-6-Pave											0.4																0.4				
2-7-Pave											0.2																0.2				
2-8-Pave											0.2																0.2				

Construction - Mitigated Tier 4

Daily Construct

	Pounds per day										Gal/Day
	2030										
Sched Code	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	Fuel
5-1-a	1	0	0	0	0	554	0	0	9	567	26
5-1-c	4	0	1	1	0	1,451	0	0	50	1,506	73
5-1-d	5	0	1	1	0	1,364	0	0	63	1,429	71
5-1-e	25	1	6	6	0	6,598	0	0	315	6,918	347
4-2-a	2	0	0	0	0	481	0	0	19	501	25
4-2-b	2	0	1	1	0	1,198	0	0	19	1,224	56
4-2-c	8	0	2	2	0	3,278	0	0	94	3,385	162
4-2-d	10	0	2	3	0	3,066	0	0	126	3,198	158
4-2-e	58	1	14	15	0	15,087	0	0	755	15,849	799
4-3-c	8	0	2	2	0	2,783	0	0	94	2,886	140
4-3-d	10	0	2	3	0	2,523	0	0	126	2,650	133
4-3-e	27	1	6	7	0	6,873	0	0	346	7,222	364
4-4-a	2	0	0	0	0	943	0	0	19	966	44
4-4-c	8	0	2	2	0	2,288	0	0	94	2,386	118
4-4-d	10	0	2	3	0	2,560	0	0	126	2,687	135
4-4-e	27	1	6	7	0	7,283	0	0	346	7,635	382
3-2-a	1	0	0	0	0	425	0	0	19	444	22
3-5-c	7	0	2	2	0	2,161	0	0	94	2,259	112
3-5-d	10	0	2	3	0	2,489	0	0	126	2,616	132
3-5-e	27	1	6	7	0	7,034	0	0	346	7,384	371
1-6-a	2	0	0	0	0	432	0	0	19	451	20
1-6-c	8	0	2	2	0	2,288	0	0	94	2,386	118
1-6-d	10	0	2	3	0	2,560	0	0	126	2,687	135
1-6-e	34	1	8	9	0	9,025	0	0	440	9,471	476
2-7-a	2	0	0	0	0	441	0	0	19	461	20
2-7-c	3	0	1	1	0	1,212	0	0	38	1,254	60
2-7-d	4	0	1	1	0	1,125	0	0	50	1,177	59
2-7-e	25	1	6	6	0	6,561	0	0	315	6,881	345
2-8-a	2	0	0	0	0	414	0	0	19	433	20
2-8-c	3	0	1	1	0	1,212	0	0	38	1,254	60
2-8-d	4	0	1	1	0	1,125	0	0	50	1,177	59
2-8-e	25	1	6	6	0	6,561	0	0	315	6,881	345

5-1-Pave
4-2-Pave
4-3-Pave
4-4-Pave
3-5-Pave
1-6-Pave
2-7-Pave
2-8-Pave

Construction - Mitigated Tier 4

Daily Construction- Equipment

				Pounds per day															Pounds per day																	
				2016															2017																	
	start	end	days	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO
5-1-aScrapers Cat 657G	6/17/2017	7/20/2017	56	5	69	49	3	0	3	2	0	2	0	7759	2	0	0	7877	2	7	35	0	0	0	0	0	0	0	7637	2	0	0	7755	2	6	30
5-1-aDozer D9T	6/17/2017	11/21/2017	62	2	28	17	1	0	1	1	0	1	0	2733	1	0	0	2774	1	3	14	0	0	0	0	0	0	0	2690	1	0	0	2732	1	3	13
5-1-aExcavator 374 FL	6/17/2017	11/21/2017	20	0	4	5	0	0	0	0	0	0	0	802	0	0	0	814	0	0	2	0	0	0	0	0	0	0	790	0	0	0	802	0	0	2
5-1-a825 Compactors	6/17/2017	11/21/2017	25	2	28	17	1	0	1	1	0	1	0	2733	1	0	0	2774	1	3	14	0	0	0	0	0	0	0	2690	1	0	0	2732	1	3	13
5-1-cJohn Deere 410K TC Backhoe Loader	11/22/2017	1/2/2018	26	1	11	7	1	0	1	1	0	1	0	1057	0	0	0	1073	1	1	8	0	0	0	0	0	0	0	1039	0	0	0	1055	0	1	8
5-1-cAuger Cast Caissons Drill Rig	11/22/2017	1/2/2018	26	1	13	16	0	0	0	0	0	0	0	2473	1	0	0	2511	0	1	6	0	0	0	0	0	0	0	2447	1	0	0	2484	0	1	5
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6/13/2018	9/18/2018	20	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5
5-1-dAP 600 D Cat Asphalt Paver	6/13/2018	9/18/2018	49	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	0	1	8	0	0	0	0	0	0	0	1272	0	0	0	1292	0	1	8
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	6/13/2018	9/18/2018	10	2	6	4	1	0	1	1	0	1	0	707	0	0	0	717	2	6	7	0	0	0	0	0	0	0	707	0	0	0	717	2	6	7
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/21/2017	12/3/2018	30	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	2	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6
5-1-eLink Belt Conventional Lattice Crawler Crane	5/6/2018	12/3/2018	159	1	8	5	0	0	0	0	0	0	0	725	0	0	0	736	0	1	5	0	0	0	0	0	0	0	714	0	0	0	725	0	1	5
4-2-aScrapers Cat 657G	1/2/2017	8/11/2017	74	7	92	65	3	0	3	3	0	3	0	10345	3	0	0	10503	3	10	47	0	0	0	0	0	0	0	10183	3	0	0	10339	3	9	40
4-2-aDozer D9T	1/2/2017	8/11/2017	80	4	57	34	2	0	2	2	0	2	0	5465	2	0	0	5548	2	6	28	0	0	0	0	0	0	0	5380	2	0	0	5463	2	5	26
4-2-aCat 140M3 Grader	1/2/2017	8/11/2017	30	1	8	5	0	0	0	0	0	0	0	738	0	0	0	749	0	1	2	0	0	0	0	0	0	0	726	0	0	0	737	0	1	2
4-2-aCat 374 F L	1/2/2017	8/11/2017	74	0	4	5	0	0	0	0	0	0	0	802	0	0	0	814	0	0	2	0	0	0	0	0	0	0	790	0	0	0	802	0	0	2
4-2-a825 Compactors	1/2/2017	8/11/2017	74	4	57	34	2	0	2	2	0	2	0	5465	2	0	0	5548	2	6	28	0	0	0	0	0	0	0	5380	2	0	0	5463	2	5	26
4-2-aOff Highway Dump Truck Cat 770	1/2/2017	8/11/2017	30	2	26	21	1	0	1	1	0	1	0	3269	1	0	0	3319	1	3	11	0	0	0	0	0	0	0	3215	1	0	0	3265	1	2	10
4-2-aWheel Loader 986 H	1/2/2017	8/11/2017	30	2	24	17	1	0	1	1	0	1	0	2612	1	0	0	2652	1	2	11	0	0	0	0	0	0	0	2570	1	0	0	2609	1	2	10
4-2-bKomatsu PC360LC	1/2/2017	2/24/2017	37	1	18	20	1	0	1	1	0	1	0	3206	1	0	0	3255	1	2	8	0	0	0	0	0	0	0	3159	1	0	0	3207	1	2	7
4-2-cAuger Cast Caissons Drill Rig	7/26/2017	3/6/2018	101	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	2	8	0	0	0	0	0	0	0	3670	1	0	0	3726	1	2	8
4-2-cJohn Deere 410K TC Backhoe Loader	7/26/2017	3/6/2018	101	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	2	13	0	0	0	0	0	0	0	1732	1	0	0	1759	1	1	13
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12/13/2018	7/24/2019	98	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5
4-2-dAP 600 D Cat Asphalt Paver	12/13/2018	7/24/2019	60	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	0	1	8	0	0	0	0	0	0	0	1272	0	0	0	1292	0	1	8
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	12/13/2018	7/24/2019	10	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3/7/2018	6/1/2020	20	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	2	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6
4-2-eLink Belt Conventional Lattice Crawler Crane	7/25/2018	6/1/2020	190	3	32	18	1	0	1	1	0	1	0	2901	1	0	0	2945	1	3	20	0	0	0	0	0	0	0	2857	1	0	0	2901	1	3	18
4-2-eLink Belt Conventional Lattice Crawler Crane	7/25/2018	6/1/2020	190	3	32	18	1	0	1	1	0	1	0	2901	1	0	0	2945	1	3	20	0	0	0	0	0	0	0	2857	1	0	0	2901	1	3	18
4-3-cJohn Deere 410K TC Backhoe Loader	7/15/2019	10/4/2019	59	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	2	13	0	0	0	0	0	0	0	1732	1	0	0	1759	1	1	13
4-3-cAuger Cast Caissons Drill Rig	7/15/2019	10/4/2019	59	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	2	8	0	0	0	0	0	0	0	3670	1	0	0	3726	1	2	8
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	7/15/2019	10/4/2019	59	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	2	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12/3/2018	4/19/2019	51	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5
4-3-dAP 600 D Cat Asphalt Paver	2/16/2019	4/19/2019	44	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	0	1	8	0	0	0	0	0	0	0	1272	0	0	0	1292	0	1	8
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	2/16/2019	4/19/2019	11	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1/27/2020	12/31/2020	25	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	2	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6
4-3-eLink Belt Conventional Lattice Crawler Crane	1/27/2020	12/31/2020	200	1	16	9	1	0	1	1	0	1	0	1450	0	0	0	1472	1	2	10	0	0	0	0	0	0	0	1428	0	0	0	1450	1	1	9
4-4-aScrapers Cat 657G	10/5/2020	3/12/2021	25	5	69	49	3	0	3	2	0	2	0	7759	2	0	0	7877	2	7	35	0	0	0	0	0	0	0	7637	2	0	0	7755	2	6	30
4-4-aDozer D9T	10/5/2020	3/12/2021	30	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	2	5	21	0	0	0	0	0	0	0	4035	1	0	0	4097	1	4	19
4-4-aCat 140M3 Grader	10/5/2020	3/12/2021	10	0	4	2	0	0	0	0	0	0	0	369	0	0	0	374	0	0	1	0	0	0	0	0	0	0	363	0	0	0	369	0	0	1
4-4-aCat 374 F L	10/5/2020	3/12/2021	25	0	2	3	0	0	0	0	0	0	0	401	0	0	0	407	0	0	1	0	0	0	0	0	0	0	395	0	0	0	401	0	0	1
4-4-a825 Compactors	10/5/2020	3/12/2021	25	2	28	17	1	0	1	1	0	1	0	2733	1	0	0	2774	1	3	14	0	0	0	0	0	0	0	2690	1	0	0	2732	1	3	13
4-4-aOff Highway Dump Truck Cat 770	10/5/2020	3/12/2021	10	1	13	10	0	0	0	0	0	0	0	1635	0	0	0	1660	1	1	6	0	0	0	0	0	0	0	1608	0	0	0	1632	0	1	5
4-4-aWheel Loader 986 H	10/5/2020	3/12/2021	10	1	12	8	0	0	0	0	0	0	0	1306	0	0	0	1326	0	1	5	0	0	0	0	0	0	0	1285	0	0	0	1305	0	1	5
4-4-cJohn Deere 410K TC Backhoe Loader	3/15/2021	6/4/2021	58	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	2	13	0	0	0	0	0	0	0	1732	1	0	0	1759	1	1	13
4-4-cAuger Cast Caissons Drill Rig	3/15/2021	6/4/2021	58	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	2	8	0	0	0	0	0	0	0	3670	1	0	0	3726	1	2	8
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3/15/2021	6/4/2021	58	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	2	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/15/2021	4/1/2022	65	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5
4-4-dAP 600 D Cat Asphalt Paver	2/16/2022	4/1/2022	33	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	0	1	8	0	0	0	0	0	0	0	1272	0	0	0	1292	0	1	8
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	2/16/2022	4/1/2022	33	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	7/12/2021	9/15/2022	20	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	2	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6
4-4-eLink Belt Conventional Lattice Crawler Crane	7/12/2021	9/1/2022	208	2	24	14	1	0	1	1	0	1	0	2176	1	0	0	2209	1	3	15	0	0	0	0	0	0	0	2143	1	0	0	2176	1	2	14
3-2-dirtScrapers Cat 657	5/1/2017	7/5/2017	50	7	92	65	3	0	3	3	0	3	0	10345	3	0	0	10503	3	10	47	0	0	0	0	0	0	0	10183	3	0	0	10339	3	9	40
3-2-dirtDozer D9T	5/1/2017	7/5/2017	55	4	57	34	2	0	2	2	0	2	0	5465	2	0	0	5548	2	6	28	0	0	0	0	0	0	0	5380	2	0	0	5463	2	5	26
3-2-aScrapers Cat 657	10/3/2022	3/10/2023	10	3	46	33	2	0	2	2	0	2	0	5173	2	0	0	5251	2	5	23	0	0	0	0	0	0	0	5092	2	0	0	5170	1	4	20
3-2-aDozer D9T	10/3/2022	3/10/2023	15	2	28	17	1	0	1	1	0	1	0	2733	1	0	0	2774	1	3	14	0	0	0	0	0	0	0	2690	1	0	0	2732	1	3	13
3-2-aCat 140M3 Grader	10/3/2022	3/10/2023	10	1	8	5	0	0	0	0	0	0	0	738	0	0	0	749	0	1	2	0	0	0	0	0	0	0	726	0	0	0	737	0	1	2
3-2-aCat 374 F L	10/3/2022	3/10/2023	10	0	4	5	0	0	0	0	0	0	0	802	0	0	0	814	0	0	2	0	0	0	0	0	0	0	790	0	0	0	802	0	0	2
3-2-a825 Compactors	10/3/2022	3/10/2023	10	2	28	17	1	0	1	1	0	1	0	2733	1	0	0	2774	1	3	14	0	0	0	0	0	0	0	2690	1	0	0	2732	1	3	13
3-2-aOff Highway Dump Truck Cat 770	10/3/2022	3/10/2023	5	2	26	21	1	0	1	1	0	1	0	3269	1	0	0	3319	1	3	11	0	0	0	0	0	0	0	3215	1	0	0	3265	1	2	10
3-2-aWheel Loader 986 H	10/3/2022	3/10/2023	5	2	24	17	1	0	1	1	0	1	0	2612	1	0	0	2652	1	2	11	0	0	0	0	0	0	0	2570	1	0	0	2609	1	2	10
3-5-cJohn Deere 410K TC Backhoe Loader	1/23/2023	4/14/2023	58	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	2	13	0	0	0	0	0	0	0	1732	1	0	0	1759	1	1	13
3-5-cAuger Cast Caissons Drill Rig	1/23/2023	4/14/2023	58	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	2	8	0	0	0	0	0	0	0	3670	1	0	0	3726	1	2	8
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1/23/2023	4/14/2023	58	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	2	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	7/17/2023	12/1/2023	64	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5
3-5-dAP 600 D Cat Asphalt Paver	7/17/2023	12/1/2023	34	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	0	1	8	0	0	0	0	0	0	0	1272	0	0	0	1292	0	1	8
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	7/17/2023	12/1/2023	34	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	4/24/2023	1/15/2024	45	3	36	39	1	0	1	1	0	1	0	6972	0	0	0	7027	1	4	13	0	0	0	0	0	0	0	6972	0	0	0	7027	1	3	13
3-5-eLink Belt Conventional Lattice Crawler Crane	4/24/2023	6/1/2024	208	1	16	9	1	0	1	1	0	1	0	1450	0	0	0	1472	1	2	10	0	0	0	0	0	0	0	1428	0	0	0	1450	1	1	9
1-6-aScrapers Cat 657	10/7/2024	12/10/2024	20	5	69	49	3	0	3	2	0	2	0	7759	2	0	0	7877	2	7	35	0	0	0	0	0	0	0	7637	2	0	0	7755	2	6	30
1-6-aDozer D9T	10/7/2024	12/10/2024	25	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	2	5	21	0	0	0	0	0	0	0	4035	1	0	0	4097	1	4	19
1-6-aCat 140M3 Grader	10/7/2024	12/10/2024	10	1	8	5	0	0	0	0	0	0	0	738	0	0	0	749	0	1	2	0	0	0	0	0	0	0	726	0	0	0	737	0	1	2
1-6-aCat 374 F L	10/7/2024	12/10/2024	10	0	2	3	0	0	0	0	0	0	0	401	0	0	0	407	0	0	1	0	0	0	0	0	0	0	395	0	0	0	401	0	0	1
1-6-a825 Compactors	10/7/2024	12/10/2024	20	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	2	5	21	0	0	0	0	0	0	0	4035	1	0	0	4097	1	4	19
1-6-aOff Highway Dump Truck Cat 770	10/7/2024	12/10/2024	10	2	26	21	1	0	1	1	0	1	0	3269	1	0	0	3319	1	3	11	0	0	0	0	0	0	0	3215	1	0	0	3265	1	2	10
1-6-aWheel Loader 986 H	10/7/2024	12/10/2024	10	2	24	17	1	0	1	1	0	1	0	2612	1	0	0	2652	1	2	11	0	0	0	0	0	0	0	2570	1	0	0	2609	1	2	10
1-6-cJohn Deere 410K TC Backhoe Loader	11/27/2024	2/18/2025	55	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	2	13	0	0	0	0	0	0	0	1732	1	0	0	1759	1	1	13
1-6-cAuger Cast Caissons Drill Rig	11/27/2024	2/18/2025	55	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	2	8	0	0	0	0	0	0	0	3670	1	0	0	3726	1	2	8
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/27/2024	2/18/2025	55	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	2	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/4/2024	3/21/2025	70	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5
1-6-dAP 600 D Cat Asphalt Paver	11/4/2024	3/21/2025	23	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	0	1	8	0	0	0	0	0	0	0	1272	0	0	0	1292	0	1	8
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	11/4/2024	3/21/2025	23	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/26/2025	5/15/2026	45	3	36	39	1	0	1	1	0	1	0	6972	0	0	0	7027	1	4	13	0	0	0	0	0	0	0	6972	0	0	0	7027	1	3	13
1-6-eLink Belt Conventional Lattice Crawler Crane	5/20/2025	5/20/2026	198	2	24	14	1	0	1	1	0	1	0	2176	1	0	0	2209	1	3	15	0	0	0	0	0	0	0	2143	1	0	0	2176	1	2	14
1-6-eLink Belt Conventional Lattice Crawler Crane	5/20/2025	5/20/2026	198	2	24	14	1	0	1	1	0	1	0	2176	1	0	0	2209	1	3	15	0	0	0	0	0	0	0	2143	1	0	0	2176	1	2	14
2-7-aScrapers Cat 657	10/15/2026	11/13/2026	10	5	69	49	3	0	3	2	0	2	0	7759	2	0	0	7877	2	7	35	0	0	0	0	0	0	0	7637	2	0	0	7755	2	6	30
2-7-aDozer D9T	10/15/2026	11/13/2026	15	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	2	5	21	0	0	0	0	0	0	0	4035	1	0	0	4097	1	4	19
2-7-aCat 140M3 Grader	10/15/2026	11/13/2026	7	1	8	5	0	0	0	0	0	0	0	738	0	0	0	749	0	1	2	0	0	0	0	0	0	0	726	0	0	0	737	0	1	2
2-7-aCat 374 F L	10/15/2026	11/13/2026	5	0	2	3	0	0	0	0	0	0	0	401	0	0	0	407	0	0	1	0	0	0	0	0	0	0	395	0	0	0	401	0	0	1
2-7-a825 Compactors	10/15/2026	11/13/2026	10	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	2	5	21	0	0	0	0	0	0	0	4035	1	0	0	4097	1	4	19
2-7-aOff Highway Dump Truck Cat 770	10/15/2026	11/13/2026	5	2	26	21	1	0	1	1	0	1	0	3269	1	0	0	3319	1	3	11	0	0	0	0	0	0	0	3215	1	0	0	3265	1	2	10
2-7-aWheel Loader 986 H	10/15/2026	11/13/2026	5	2	24	17	1	0	1	1	0	1	0	2612	1	0	0	2652	1	2	11	0	0	0	0	0	0	0	2570	1	0	0	2609	1	2	10
2-7-cJohn Deere 410K TC Backhoe Loader	11/16/2026	2/5/2027	55	2	18	11	1	0	1	1	0	1	0	1761	1	0	0	1788	1	2	13	0	0	0	0	0	0	0	1732	1	0	0	1759	1	1	13
2-7-cAuger Cast Caissons Drill Rig	11/16/2026	2/5/2027	55	1	19	24	1	0	1	1	0	1	0	3710	1	0	0	3766	1	2	8	0	0	0	0	0	0	0	3670	1	0	0	3726	1	2	8
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/16/2026	2/5/2027	55	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	2	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5/3/2027	9/17/2027	55	1	13	15	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	1	1	5
2-7-dAP 600 D Cat Asphalt Paver	5/3/2027	9/17/2027	42	1	12	8	1	0	1	1	0	1	0	1291	0	0	0	1311	0	1	8	0	0	0	0	0	0	0	1272	0	0	0	1292	0	1	8
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5/3/2027	9/17/2027	42	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/8/2027	9/1/2028	35	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	2	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6
2-7-eLink Belt Conventional Lattice Crawler Crane	4/30/2027	9/1/2028	198	1	16	9	1	0	1	1	0	1	0	1450	0	0	0	1472	1	2	10	0	0	0	0	0	0	0	1428	0	0	0	1450	1	1	9
2-7-eLink Belt Conventional Lattice Crawler Crane	4/30/2027	9/1/2028	198	1	16	9	1	0	1	1	0	1	0	1450	0	0	0	1472	1	2	10	0	0	0	0	0	0	0	1428	0	0	0	1450	1	1	9
2-8-aScrapers Cat 657	10/2/2028	1/5/2029	10	5	69	49	3	0	3	2	0	2	0	7759	2	0	0	7877	2	7	35	0	0	0	0	0	0	0	7637	2	0	0	7755	2	6	30
2-8-aDozer D9T	10/2/2028	1/5/2029	15	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	2	5	21	0	0	0	0	0	0	0	4035	1	0	0	4097	1	4	19
2-8-aCat 140M3 Grader	10/2/2028	1/5/2029	7	1	8	5	0	0	0	0	0	0	0	738	0	0	0	749	0	1	2	0	0	0	0	0	0	0	726	0	0	0	737	0	1	2
2-8-aCat 374 F L	10/2/2028	1/5/2029	5	0	2	3	0	0	0	0	0	0	0	401	0	0	0	407	0	0	1	0	0	0	0	0	0	0	395	0	0	0	401	0	0	1
2-8-a825 Compactors	10/2/2028	1/5/2029	10	3	42	26	2	0	2	2	0	2	0	4099	1	0	0	4161	2	5	21	0	0	0	0	0	0	0	4035	1	0	0	4097	1	4	19
2-8-aOff Highway Dump Truck Cat 770	10/2/2028	1/5/2029	5	2	26	21	1	0	1	1	0	1	0	3269	1	0	0	3319	1	3	11	0	0	0	0	0	0	0	3215	1	0	0	3265	1	2	10
2-8-aWheel Loader 986 H	10/2/2028	1/5/2029	5	2	24	17	1	0	1	1	0	1	0	2612	1	0	0	2652	1	2	11	0	0	0	0	0	0	0	2570	1	0	0	2609	1	2	10
2-8-cJohn Deere 410K TC Backhoe Loader	11/27/2028	2/16/2029	57	1	11	7	1	0	1	1	0	1	0	1057	0	0	0	1073	1	1	8	0	0	0	0	0	0	0	1039	0	0	0	1055	0	1	8
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/27/2028	2/16/2029	57	2	18	20	1	0	1	1	0	1	0	3486	0	0	0	3513	1	2	7	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6
2-8-cAuger Cast Caissons Drill Rig	11/27/2028	2/16/2029	57	0	6	8	0	0	0	0	0	0	0	1237	0	0	0	1255	0	1	3	0	0	0	0	0	0	0	1223	0	0	0	1242	0	1	3
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	11/27/2028	2/16/2029	55	3	36	39	1	0	1	1	0	1	0	6972	0	0	0	7027	1	4	13	0	0	0	0	0	0	0	6972	0	0	0	7027	1	3	13
2-8-dAP 600 D Cat Asphalt Paver	10/30/2028	3/16/2029	38	1	16	10	1	0	1	1	0	1	0	1614	0	0	0	1639	1	2	10	0	0	0	0	0	0	0	1590	0	0	0	1615	1	1	10
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	10/30/2028	3/16/2029 *	38	2	5	3	0	0	0	0	0	0	0	589	0	0	0	598	2	5	6	0	0	0	0	0	0	0	589	0	0	0	597	1	5	6
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2/19/2029	8/1/2030 *	40	3	36	39	1	0	1	1	0	1	0	6972	0	0	0	7027	1	4	13	0	0	0	0	0	0	0	6972	0	0	0	7027	1	3	13
2-8-eLink Belt Conventional Lattice Crawler Crane	5/11/2029	8/1/2030 *	170	1	8	5	0	0	0	0	0	0	0	725	0	0	0	736	0	1	5	0	0	0	0	0	0	0	714	0	0	0	725	0	1	5

Construction - Mitigated Tier 4

Daily Construction- Equipment

	Pounds per day												Pounds per day															Pounds per day									
	2018												2019															2020									
	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
5-1-aScrapers Cat 657G	0	0	0	0	0	0	0	7513	2	0	0	7629	2	6	28	0	0	0	0	0	0	0	7391	2	0	0	7506	2	5	26	0	0	0	0	0	0	0
5-1-aDozer D9T	0	0	0	0	0	0	0	2642	1	0	0	2683	1	2	12	0	0	0	0	0	0	0	2602	1	0	0	2642	1	2	11	0	0	0	0	0	0	0
5-1-aExcavator 374 FL	0	0	0	0	0	0	0	777	0	0	0	790	0	0	2	0	0	0	0	0	0	0	765	0	0	0	777	0	0	2	0	0	0	0	0	0	0
5-1-a825 Compactors	0	0	0	0	0	0	0	2642	1	0	0	2683	1	2	12	0	0	0	0	0	0	0	2602	1	0	0	2642	1	2	11	0	0	0	0	0	0	0
5-1-cJohn Deere 410K TC Backhoe Loader	0	0	0	0	0	0	0	1021	0	0	0	1037	0	1	8	0	0	0	0	0	0	0	1004	0	0	0	1020	0	1	7	0	0	0	0	0	0	0
5-1-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	2428	1	0	0	2465	0	1	5	0	0	0	0	0	0	0	2385	1	0	0	2422	0	1	5	0	0	0	0	0	0	0
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0
5-1-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	1	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	1	8	0	0	0	0	0	0	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	707	0	0	0	716	1	6	7	0	0	0	0	0	0	0	707	0	0	0	716	1	5	6	0	0	0	0	0	0	0
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0
5-1-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	703	0	0	0	714	0	1	4	0	0	0	0	0	0	0	692	0	0	0	703	0	1	4	0	0	0	0	0	0	0
4-2-aScrapers Cat 657G	0	0	0	0	0	0	0	10017	3	0	0	10173	3	8	37	0	0	0	0	0	0	0	9854	3	0	0	10009	3	7	35	0	0	0	0	0	0	0
4-2-aDozer D9T	0	0	0	0	0	0	0	5285	2	0	0	5367	2	5	24	0	0	0	0	0	0	0	5203	2	0	0	5284	2	4	22	0	0	0	0	0	0	0
4-2-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	0	1	2	0	0	0	0	0	0	0	701	0	0	0	712	0	1	2	0	0	0	0	0	0	0
4-2-aCat 374 F L	0	0	0	0	0	0	0	777	0	0	0	790	0	0	2	0	0	0	0	0	0	0	765	0	0	0	777	0	0	2	0	0	0	0	0	0	0
4-2-a825 Compactors	0	0	0	0	0	0	0	5285	2	0	0	5367	2	5	24	0	0	0	0	0	0	0	5203	2	0	0	5284	2	4	22	0	0	0	0	0	0	0
4-2-aOff Highway Dump Truck Cat 770	0	0	0	0	0	0	0	3164	1	0	0	3214	1	2	10	0	0	0	0	0	0	0	3112	1	0	0	3161	1	2	9	0	0	0	0	0	0	0
4-2-aWheel Loader 986 H	0	0	0	0	0	0	0	2529	1	0	0	2569	1	2	9	0	0	0	0	0	0	0	2490	1	0	0	2529	1	2	9	0	0	0	0	0	0	0
4-2-bKomatsu PC360LC	0	0	0	0	0	0	0	3110	1	0	0	3158	1	2	7	0	0	0	0	0	0	0	3060	1	0	0	3108	0	2	7	0	0	0	0	0	0	0
4-2-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	0	2	8	0	0	0	0	0	0	0	3577	1	0	0	3633	0	2	8	0	0	0	0	0	0	0
4-2-cJohn Deere 410K TC Backhoe Loader	0	0	0	0	0	0	0	1702	1	0	0	1728	1	1	13	0	0	0	0	0	0	0	1674	1	0	0	1700	1	1	12	0	0	0	0	0	0	0
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0
4-2-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	1	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	1	8	0	0	0	0	0	0	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	2814	1	0	0	2857	1	3	17	0	0	0	0	0	0	0	2769	1	0	0	2813	1	2	15	0	0	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	2814	1	0	0	2857	1	3	17	0	0	0	0	0	0	0	2769	1	0	0	2813	1	2	15	0	0	0	0	0	0	0
4-3-cJohn Deere 410K TC Backhoe Loader	0	0	0	0	0	0	0	1702	1	0	0	1728	1	1	13	0	0	0	0	0	0	0	1674	1	0	0	1700	1	1	12	0	0	0	0	0	0	0
4-3-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	0	2	8	0	0	0	0	0	0	0	3577	1	0	0	3633	0	2	8	0	0	0	0	0	0	0
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0
4-3-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	1	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	1	8	0	0	0	0	0	0	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0
4-3-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	1407	0	0	0	1429	1	1	9	0	0	0	0	0	0	0	1385	0	0	0	1406	0	1	8	0	0	0	0	0	0	0
4-4-aScrapers Cat 657G	0	0	0	0	0	0	0	7513	2	0	0	7629	2	6	28	0	0	0	0	0	0	0	7391	2	0	0	7506	2	5	26	0	0	0	0	0	0	0
4-4-aDozer D9T	0	0	0	0	0	0	0	3964	1	0	0	4025	1	4	18	0	0	0	0	0	0	0	3902	1	0	0	3963	1	3	17	0	0	0	0	0	0	0
4-4-aCat 140M3 Grader	0	0	0	0	0	0	0	357	0	0	0	363	0	0	1	0	0	0	0	0	0	0	351	0	0	0	356	0	0	1	0	0	0	0	0	0	0
4-4-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	0	1	0	0	0	0	0	0	0	382	0	0	0	388	0	0	1	0	0	0	0	0	0	0
4-4-a825 Compactors	0	0	0	0	0	0	0	2642	1	0	0	2683	1	2	12	0	0	0	0	0	0	0	2602	1	0	0	2642	1	2	11	0	0	0	0	0	0	0
4-4-aOff Highway Dump Truck Cat 770	0	0	0	0	0	0	0	1582	0	0	0	1607	0	1	5	0	0	0	0	0	0	0	1556	0	0	0	1581	0	1	5	0	0	0	0	0	0	0
4-4-aWheel Loader 986 H	0	0	0	0	0	0	0	1265	0	0	0	1284	0	1	5	0	0	0	0	0	0	0	1245	0	0	0	1264	0	1	4	0	0	0	0	0	0	0
4-4-cJohn Deere 410K TC Backhoe Loader	0	0	0	0	0	0	0	1702	1	0	0	1728	1	1	13	0	0	0	0	0	0	0	1674	1	0	0	1700	1	1	12	0	0	0	0	0	0	0
4-4-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	0	2	8	0	0	0	0	0	0	0	3577	1	0	0	3633	0	2	8	0	0	0	0	0	0	0
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0
4-4-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	1	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	1	8	0	0	0	0	0	0	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0
4-4-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	2110	1	0	0	2143	1	2	13	0	0	0	0	0	0	0	2077	1	0	0	2109	1	2	11	0	0	0	0	0	0	0
3-2-dirtScrapers Cat 657	0	0	0	0	0	0	0	10017	3	0	0	10173	3	8	37	0	0	0	0	0	0	0	9854	3	0	0	10009	3	7	35	0	0	0	0	0	0	0
3-2-dirtDozer D9T	0	0	0	0	0	0	0	5285	2	0	0	5367	2	5	24	0	0	0	0	0	0	0	5203	2	0	0	5284	2	4	22	0	0	0	0	0	0	0
3-2-aScrapers Cat 657	0	0	0	0	0	0	0	5009	2	0	0	5086	1	4	19	0	0	0	0	0	0	0	4927	2	0	0	5004	1	4	18	0	0	0	0	0	0	0
3-2-aDozer D9T	0	0	0	0	0	0	0	2642	1	0	0	2683	1	2	12	0	0	0	0	0	0	0	2602	1	0	0	2642	1	2	11	0	0	0	0	0	0	0
3-2-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	0	1	2	0	0	0	0	0	0	0	701	0	0	0	712	0	1	2	0	0	0	0	0	0	0
3-2-aCat 374 F L	0	0	0	0	0	0	0	777	0	0	0	790	0	0	2	0	0	0	0	0	0	0	765	0	0	0	777	0	0	2	0	0	0	0	0	0	0
3-2-a825 Compactors	0	0	0	0	0	0	0	2642	1	0	0	2683	1	2	12	0	0	0	0	0	0	0	2602	1	0	0	2642	1	2	11	0	0	0	0	0	0	0
3-2-aOff Highway Dump Truck Cat 770	0	0	0	0	0	0	0	3164	1	0	0	3214	1	2	10	0	0	0	0	0	0	0	3112	1	0	0	3161	1	2	9	0	0	0	0	0	0	0
3-2-aWheel Loader 986 H	0	0	0	0	0	0	0	2529	1	0	0	2569	1	2	9	0	0	0	0	0	0	0	2490	1	0	0	2529	1	2	9	0	0	0	0	0	0	0
3-5-cJohn Deere 410K TC Backhoe Loader	0	0	0	0	0	0	0	1702	1	0	0	1728	1	1	13	0	0	0	0	0	0	0	1674	1	0	0	1700	1	1	12	0	0	0	0	0	0	0
3-5-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	0	2	8	0	0	0	0	0	0	0	3577	1	0	0	3633	0	2	8	0	0	0	0	0	0	0
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0
3-5-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	1	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	1	8	0	0	0	0	0	0	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	6972	0	0	0	7026	1	3	13	0	0	0	0	0	0	0	6972	0	0	0	7026	1	3	12	0	0	0	0	0	0	0
3-5-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	1407	0	0	0	1429	1	1	9	0	0	0	0	0	0	0	1385	0	0	0	1406	0	1	8	0	0	0	0	0	0	0
1-6-aScrapers Cat 657	0	0	0	0	0	0	0	7513	2	0	0	7629	2	6	28	0	0	0	0	0	0	0	7391	2	0	0	7506	2	5	26	0	0	0	0	0	0	0
1-6-aDozer D9T	0	0	0	0	0	0	0	3964	1	0	0	4025	1	4	18	0	0	0	0	0	0	0	3902	1	0	0	3963	1	3	17	0	0	0	0	0	0	0
1-6-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	0	1	2	0	0	0	0	0	0	0	701	0	0	0	712	0	1	2	0	0	0	0	0	0	0
1-6-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	0	1	0	0	0	0	0	0	0	382	0	0	0	388	0	0	1	0	0	0	0	0	0	0
1-6-a825 Compactors	0	0	0	0	0	0	0	3964	1	0	0	4025	1	4	18	0	0	0	0	0	0	0	3902	1	0	0	3963	1	3	17	0	0	0	0	0	0	0
1-6-aOff Highway Dump Truck Cat 770	0	0	0	0	0	0	0	3164	1	0	0	3214	1	2	10	0	0	0	0	0	0	0	3112	1	0	0	3161	1	2	9	0	0	0	0	0	0	0
1-6-aWheel Loader 986 H	0	0	0	0	0	0	0	2529	1	0	0	2569	1	2	9	0	0	0	0	0	0	0	2490	1	0	0	2529	1	2	9	0	0	0	0	0	0	0
1-6-cJohn Deere 410K TC Backhoe Loader	0	0	0	0	0	0	0	1702	1	0	0	1728	1	1	13	0	0	0	0	0	0	0	1674	1	0	0	1700	1	1	12	0	0	0	0	0	0	0
1-6-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	0	2	8	0	0	0	0	0	0	0	3577	1	0	0	3633	0	2	8	0	0	0	0	0	0	0
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0
1-6-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	1	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	1	8	0	0	0	0	0	0	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	6972	0	0	0	7026	1	3	13	0	0	0	0	0	0	0	6972	0	0	0	7026	1	3	12	0	0	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	2110	1	0	0	2143	1	2	13	0	0	0	0	0	0	0	2077	1	0	0	2109	1	2	11	0	0	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	2110	1	0	0	2143	1	2	13	0	0	0	0	0	0	0	2077	1	0	0	2109	1	2	11	0	0	0	0	0	0	0
2-7-aScrapers Cat 657	0	0	0	0	0	0	0	7513	2	0	0	7629	2	6	28	0	0	0	0	0	0	0	7391	2	0	0	7506	2	5	26	0	0	0	0	0	0	0
2-7-aDozer D9T	0	0	0	0	0	0	0	3964	1	0	0	4025	1	4	18	0	0	0	0	0	0	0	3902	1	0	0	3963	1	3	17	0	0	0	0	0	0	0
2-7-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	0	1	2	0	0	0	0	0	0	0	701	0	0	0	712	0	1	2	0	0	0	0	0	0	0
2-7-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	0	1	0	0	0	0	0	0	0	382	0	0	0	388	0	0	1	0	0	0	0	0	0	0
2-7-a825 Compactors	0	0	0	0	0	0	0	3964	1	0	0	4025	1	4	18	0	0	0	0	0	0	0	3902	1	0	0	3963	1	3	17	0	0	0	0	0	0	0
2-7-aOff Highway Dump Truck Cat 770	0	0	0	0	0	0	0	3164	1	0	0	3214	1	2	10	0	0	0	0	0	0	0	3112	1	0	0	3161	1	2	9	0	0	0	0	0	0	0
2-7-aWheel Loader 986 H	0	0	0	0	0	0	0	2529	1	0	0	2569	1	2	9	0	0	0	0	0	0	0	2490	1	0	0	2529	1	2	9	0	0	0	0	0	0	0
2-7-cJohn Deere 410K TC Backhoe Loader	0	0	0	0	0	0	0	1702	1	0	0	1728	1	1	13	0	0	0	0	0	0	0	1674	1	0	0	1700	1	1	12	0	0	0	0	0	0	0
2-7-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	3642	1	0	0	3698	0	2	8	0	0	0	0	0	0	0	3577	1	0	0	3633	0	2	8	0	0	0	0	0	0	0
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0
2-7-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1253	0	0	0	1272	0	1	8	0	0	0	0	0	0	0	1232	0	0	0	1252	0	1	8	0	0	0	0	0	0	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	1407	0	0	0	1429	1	1	9	0	0	0	0	0	0	0	1385	0	0	0	1406	0	1	8	0	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	1407	0	0	0	1429	1	1	9	0	0	0	0	0	0	0	1385	0	0	0	1406	0	1	8	0	0	0	0	0	0	0
2-8-aScrapers Cat 657	0	0	0	0	0	0	0	7513	2	0	0	7629	2	6	28	0	0	0	0	0	0	0	7391	2	0	0	7506	2	5	26	0	0	0	0	0	0	0
2-8-aDozer D9T	0	0	0	0	0	0	0	3964	1	0	0	4025	1	4	18	0	0	0	0	0	0	0	3902	1	0	0	3963	1	3	17	0	0	0	0	0	0	0
2-8-aCat 140M3 Grader	0	0	0	0	0	0	0	714	0	0	0	725	0	1	2	0	0	0	0	0	0	0	701	0	0	0	712	0	1	2	0	0	0	0	0	0	0
2-8-aCat 374 F L	0	0	0	0	0	0	0	389	0	0	0	395	0	0	1	0	0	0	0	0	0	0	382	0	0	0	388	0	0	1	0	0	0	0	0	0	0
2-8-a825 Compactors	0	0	0	0	0	0	0	3964	1	0	0	4025	1	4	18	0	0	0	0	0	0	0	3902	1	0	0	3963	1	3	17	0	0	0	0	0	0	0
2-8-aOff Highway Dump Truck Cat 770	0	0	0	0	0	0	0	3164	1	0	0	3214	1	2	10	0	0	0	0	0	0	0	3112	1	0	0	3161	1	2	9	0	0	0	0	0	0	0
2-8-aWheel Loader 986 H	0	0	0	0	0	0	0	2529	1	0	0	2569	1	2	9	0	0	0	0	0	0	0	2490	1	0	0	2529	1	2	9	0	0	0	0	0	0	0
2-8-cJohn Deere 410K TC Backhoe Loader	0	0	0	0	0	0	0	1021	0	0	0	1037	0	1	8	0	0	0	0	0	0	0	1004	0	0	0	1020	0	1	7	0	0	0	0	0	0	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0
2-8-cAuger Cast Caissons Drill Rig	0	0	0	0	0	0	0	1214	0	0	0	1233	0	1	3	0	0	0	0	0	0	0	1192	0	0	0	1211	0	1	3	0	0	0	0	0	0	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	6972	0	0	0	7026	1	3	13	0	0	0	0	0	0	0	6972	0	0	0	7026	1	3	12	0	0	0	0	0	0	0
2-8-dAP 600 D Cat Asphalt Paver	0	0	0	0	0	0	0	1566	0	0	0	1590	0	1	10	0	0	0	0	0	0	0	1541	0	0	0	1565	0	1	10	0	0	0	0	0	0	0
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	0	0	0	0	0	589	0	0	0	597	1	5	5	0	0	0	0	0	0	0	589	0	0	0	596	1	5	5	0	0	0	0	0	0	0
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	0	0	0	0	0	6972	0	0	0	7026	1	3	13	0	0	0	0	0	0	0	6972	0	0	0	7026	1	3	12	0	0	0	0	0	0	0
2-8-eLink Belt Conventional Lattice Crawler Crane	0	0	0	0	0	0	0	703	0	0	0	714	0	1	4	0	0	0	0	0	0	0	692	0	0	0	703	0	1	4	0	0	0	0	0	0	0

Construction - Mitigated Tier 4

Daily Construction- Equipment						Pounds per day															Pounds per day																
						2021															2022																
	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX
5-1-aScrapers Cat 657G	7225	2	0	0	7340	2	5	25	0	0	0	0	0	0	0	7225	2	0	0	7340	2	4	23	0	0	0	0	0	0	0	7217	2	0	0	7332	2	4
5-1-aDozer D9T	2545	1	0	0	2585	1	2	11	0	0	0	0	0	0	0	2541	1	0	0	2581	1	2	10	0	0	0	0	0	0	0	2540	1	0	0	2580	1	1
5-1-aExcavator 374 FL	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	746	0	0	0	758	0	0	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0
5-1-a825 Compactors	2545	1	0	0	2585	1	2	11	0	0	0	0	0	0	0	2541	1	0	0	2581	1	2	10	0	0	0	0	0	0	0	2540	1	0	0	2580	1	1
5-1-cJohn Deere 410K TC Backhoe Loader	982	0	0	0	998	0	1	7	0	0	0	0	0	0	0	982	0	0	0	998	0	1	7	0	0	0	0	0	0	0	984	0	0	0	999	0	1
5-1-cAuger Cast Caissons Drill Rig	2333	1	0	0	2370	0	1	5	0	0	0	0	0	0	0	2348	1	0	0	2386	0	1	5	0	0	0	0	0	0	0	2335	1	0	0	2372	0	1
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
5-1-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	707	0	0	0	715	1	5	6	0	0	0	0	0	0	0	707	0	0	0	715	1	5	6	0	0	0	0	0	0	0	707	0	0	0	715	1	5
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
5-1-eLink Belt Conventional Lattice Crawler Crane	677	0	0	0	688	0	1	4	0	0	0	0	0	0	0	677	0	0	0	688	0	0	3	0	0	0	0	0	0	0	677	0	0	0	687	0	0
4-2-aScrapers Cat 657G	9633	3	0	0	9786	3	7	34	0	0	0	0	0	0	0	9634	3	0	0	9786	2	6	31	0	0	0	0	0	0	0	9623	3	0	0	9776	2	5
4-2-aDozer D9T	5089	2	0	0	5170	2	4	22	0	0	0	0	0	0	0	5081	2	0	0	5162	1	3	21	0	0	0	0	0	0	0	5080	2	0	0	5161	1	3
4-2-aCat 140M3 Grader	685	0	0	0	696	0	1	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1
4-2-aCat 374 F L	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	746	0	0	0	758	0	0	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0
4-2-a825 Compactors	5089	2	0	0	5170	2	4	22	0	0	0	0	0	0	0	5081	2	0	0	5162	1	3	21	0	0	0	0	0	0	0	5080	2	0	0	5161	1	3
4-2-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	2	9	0	0	0	0	0	0	0	3043	1	0	0	3091	1	2	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	2
4-2-aWheel Loader 986 H	2436	1	0	0	2475	1	2	8	0	0	0	0	0	0	0	2442	1	0	0	2481	1	1	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	1
4-2-bKomatsu PC360LC	2990	1	0	0	3038	0	2	7	0	0	0	0	0	0	0	2986	1	0	0	3033	0	2	7	0	0	0	0	0	0	0	2987	1	0	0	3034	0	2
4-2-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	0	2	8	0	0	0	0	0	0	0	3523	1	0	0	3578	0	2	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
4-2-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	1	12	0	0	0	0	0	0	0	1637	1	0	0	1663	0	1	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
4-2-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
4-2-eLink Belt Conventional Lattice Crawler Crane	2709	1	0	0	2751	1	2	14	0	0	0	0	0	0	0	2708	1	0	0	2751	1	2	13	0	0	0	0	0	0	0	2706	1	0	0	2749	1	2
4-2-eLink Belt Conventional Lattice Crawler Crane	2709	1	0	0	2751	1	2	14	0	0	0	0	0	0	0	2708	1	0	0	2751	1	2	13	0	0	0	0	0	0	0	2706	1	0	0	2749	1	2
4-3-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	1	12	0	0	0	0	0	0	0	1637	1	0	0	1663	0	1	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
4-3-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	0	2	8	0	0	0	0	0	0	0	3523	1	0	0	3578	0	2	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
4-3-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
4-3-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	0	1	7	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1375	0	1
4-4-aScrapers Cat 657G	7225	2	0	0	7340	2	5	25	0	0	0	0	0	0	0	7225	2	0	0	7340	2	4	23	0	0	0	0	0	0	0	7217	2	0	0	7332	2	4
4-4-aDozer D9T	3817	1	0	0	3877	1	3	16	0	0	0	0	0	0	0	3811	1	0	0	3871	1	2	15	0	0	0	0	0	0	0	3810	1	0	0	3871	1	2
4-4-aCat 140M3 Grader	343	0	0	0	348	0	0	1	0	0	0	0	0	0	0	342	0	0	0	347	0	0	1	0	0	0	0	0	0	0	342	0	0	0	347	0	0
4-4-aCat 374 F L	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0
4-4-a825 Compactors	2545	1	0	0	2585	1	2	11	0	0	0	0	0	0	0	2541	1	0	0	2581	1	2	10	0	0	0	0	0	0	0	2540	1	0	0	2580	1	1
4-4-aOff Highway Dump Truck Cat 770	1522	0	0	0	1546	0	1	4	0	0	0	0	0	0	0	1521	0	0	0	1546	0	1	4	0	0	0	0	0	0	0	1522	0	0	0	1546	0	1
4-4-aWheel Loader 986 H	1218	0	0	0	1238	0	1	4	0	0	0	0	0	0	0	1221	0	0	0	1241	0	1	4	0	0	0	0	0	0	0	1222	0	0	0	1241	0	1
4-4-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	1	12	0	0	0	0	0	0	0	1637	1	0	0	1663	0	1	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
4-4-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	0	2	8	0	0	0	0	0	0	0	3523	1	0	0	3578	0	2	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
4-4-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
4-4-eLink Belt Conventional Lattice Crawler Crane	2031	1	0	0	2064	1	2	11	0	0	0	0	0	0	0	2031	1	0	0	2063	1	1	10	0	0	0	0	0	0	0	2030	1	0	0	2062	1	1
3-2-dirtScrapers Cat 657	9633	3	0	0	9786	3	7	34	0	0	0	0	0	0	0	9634	3	0	0	9786	2	6	31	0	0	0	0	0	0	0	9623	3	0	0	9776	2	5
3-2-dirtDozer D9T	5089	2	0	0	5170	2	4	22	0	0	0	0	0	0	0	5081	2	0	0	5162	1	3	21	0	0	0	0	0	0	0	5080	2	0	0	5161	1	3
3-2-aScrapers Cat 657	4817	2	0	0	4893	1	3	17	0	0	0	0	0	0	0	4817	2	0	0	4893	1	3	15	0	0	0	0	0	0	0	4812	2	0	0	4888	1	3
3-2-aDozer D9T	2545	1	0	0	2585	1	2	11	0	0	0	0	0	0	0	2541	1	0	0	2581	1	2	10	0	0	0	0	0	0	0	2540	1	0	0	2580	1	1
3-2-aCat 140M3 Grader	685	0	0	0	696	0	1	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1
3-2-aCat 374 F L	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	746	0	0	0	758	0	0	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0
3-2-a825 Compactors	2545	1	0	0	2585	1	2	11	0	0	0	0	0	0	0	2541	1	0	0	2581	1	2	10	0	0	0	0	0	0	0	2540	1	0	0	2580	1	1
3-2-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	2	9	0	0	0	0	0	0	0	3043	1	0	0	3091	1	2	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	2
3-2-aWheel Loader 986 H	2436	1	0	0	2475	1	2	8	0	0	0	0	0	0	0	2442	1	0	0	2481	1	1	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	1
3-5-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	1	12	0	0	0	0	0	0	0	1637	1	0	0	1663	0	1	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
3-5-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	0	2	8	0	0	0	0	0	0	0	3523	1	0	0	3578	0	2	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
3-5-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3
3-5-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	0	1	7	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1375	0	1
1-6-aScrapers Cat 657	7225	2	0	0	7340	2	5	25	0	0	0	0	0	0	0	7225	2	0	0	7340	2	4	23	0	0	0	0	0	0	0	7217	2	0	0	7332	2	4
1-6-aDozer D9T	3817	1	0	0	3877	1	3	16	0	0	0	0	0	0	0	3811	1	0	0	3871	1	2	15	0	0	0	0	0	0	0	3810	1	0	0	3871	1	2
1-6-aCat 140M3 Grader	685	0	0	0	696	0	1	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1
1-6-aCat 374 F L	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0
1-6-a825 Compactors	3817	1	0	0	3877	1	3	16	0	0	0	0	0	0	0	3811	1	0	0	3871	1	2	15	0	0	0	0	0	0	0	3810	1	0	0	3871	1	2
1-6-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	2	9	0	0	0	0	0	0	0	3043	1	0	0	3091	1	2	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	2
1-6-aWheel Loader 986 H	2436	1	0	0	2475	1	2	8	0	0	0	0	0	0	0	2442	1	0	0	2481	1	1	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	1
1-6-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	1	12	0	0	0	0	0	0	0	1637	1	0	0	1663	0	1	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
1-6-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	0	2	8	0	0	0	0	0	0	0	3523	1	0	0	3578	0	2	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
1-6-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3
1-6-eLink Belt Conventional Lattice Crawler Crane	2031	1	0	0	2064	1	2	11	0	0	0	0	0	0	0	2031	1	0	0	2063	1	1	10	0	0	0	0	0	0	0	2030	1	0	0	2062	1	1
1-6-eLink Belt Conventional Lattice Crawler Crane	2031	1	0	0	2064	1	2	11	0	0	0	0	0	0	0	2031	1	0	0	2063	1	1	10	0	0	0	0	0	0	0	2030	1	0	0	2062	1	1
2-7-aScrapers Cat 657	7225	2	0	0	7340	2	5	25	0	0	0	0	0	0	0	7225	2	0	0	7340	2	4	23	0	0	0	0	0	0	0	7217	2	0	0	7332	2	4
2-7-aDozer D9T	3817	1	0	0	3877	1	3	16	0	0	0	0	0	0	0	3811	1	0	0	3871	1	2	15	0	0	0	0	0	0	0	3810	1	0	0	3871	1	2
2-7-aCat 140M3 Grader	685	0	0	0	696	0	1	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1
2-7-aCat 374 F L	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0
2-7-a825 Compactors	3817	1	0	0	3877	1	3	16	0	0	0	0	0	0	0	3811	1	0	0	3871	1	2	15	0	0	0	0	0	0	0	3810	1	0	0	3871	1	2
2-7-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	2	9	0	0	0	0	0	0	0	3043	1	0	0	3091	1	2	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	2
2-7-aWheel Loader 986 H	2436	1	0	0	2475	1	2	8	0	0	0	0	0	0	0	2442	1	0	0	2481	1	1	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	1
2-7-cJohn Deere 410K TC Backhoe Loader	1637	1	0	0	1663	1	1	12	0	0	0	0	0	0	0	1637	1	0	0	1663	0	1	12	0	0	0	0	0	0	0	1639	1	0	0	1665	0	1
2-7-cAuger Cast Caissons Drill Rig	3500	1	0	0	3556	0	2	8	0	0	0	0	0	0	0	3523	1	0	0	3578	0	2	8	0	0	0	0	0	0	0	3503	1	0	0	3558	0	2
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2615	0	0	0	2635	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1
2-7-dAP 600 D Cat Asphalt Paver	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
2-7-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	0	1	7	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1375	0	1
2-7-eLink Belt Conventional Lattice Crawler Crane	1354	0	0	0	1376	0	1	7	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1375	0	1
2-8-aScrapers Cat 657	7225	2	0	0	7340	2	5	25	0	0	0	0	0	0	0	7225	2	0	0	7340	2	4	23	0	0	0	0	0	0	0	7217	2	0	0	7332	2	4
2-8-aDozer D9T	3817	1	0	0	3877	1	3	16	0	0	0	0	0	0	0	3811	1	0	0	3871	1	2	15	0	0	0	0	0	0	0	3810	1	0	0	3871	1	2
2-8-aCat 140M3 Grader	685	0	0	0	696	0	1	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1	2	0	0	0	0	0	0	0	684	0	0	0	695	0	1
2-8-aCat 374 F L	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0
2-8-a825 Compactors	3817	1	0	0	3877	1	3	16	0	0	0	0	0	0	0	3811	1	0	0	3871	1	2	15	0	0	0	0	0	0	0	3810	1	0	0	3871	1	2
2-8-aOff Highway Dump Truck Cat 770	3043	1	0	0	3091	1	2	9	0	0	0	0	0	0	0	3043	1	0	0	3091	1	2	8	0	0	0	0	0	0	0	3044	1	0	0	3092	1	2
2-8-aWheel Loader 986 H	2436	1	0	0	2475	1	2	8	0	0	0	0	0	0	0	2442	1	0	0	2481	1	1	8	0	0	0	0	0	0	0	2443	1	0	0	2482	1	1
2-8-cJohn Deere 410K TC Backhoe Loader	982	0	0	0	998	0	1	7	0	0	0	0	0	0	0	982	0	0	0	998	0	1	7	0	0	0	0	0	0	0	984	0	0	0	999	0	1
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3513	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2
2-8-cAuger Cast Caissons Drill Rig	1167	0	0	0	1185	0	1	3	0	0	0	0	0	0	0	1174	0	0	0	1193	0	1	3	0	0	0	0	0	0	0	1168	0	0	0	1186	0	1
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3
2-8-dAP 600 D Cat Asphalt Paver	1507	0	0	0	1531	0	1	10	0	0	0	0	0	0	0	1506	0	0	0	1530	0	1	10	0	0	0	0	0	0	0	1507	0	0	0	1531	0	1
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	596	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6972	0	0	0	7026	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3
2-8-eLink Belt Conventional Lattice Crawler Crane	677	0	0	0	688	0	1	4	0	0	0	0	0	0	0	677	0	0	0	688	0	0	3	0	0	0	0	0	0	0	677	0	0	0	687	0	0

Construction - Mitigated Tier 4

Daily Construction- Equipment

	Pounds per day													Pounds per day															Pounds per day								
	2023													2024															2025								
	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T
5-1-aScrapers Cat 657G	23	0	0	0	0	0	0	0	7218	2	0	0	7332	2	4	22	0	0	0	0	0	0	0	7220	2	0	0	7334	1	4	20	0	0	0	0	0	0
5-1-aDozer D9T	10	0	0	0	0	0	0	0	2541	1	0	0	2582	1	1	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0
5-1-aExcavator 374 FL	2	0	0	0	0	0	0	0	747	0	0	0	759	0	0	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0	2	0	0	0	0	0	0
5-1-a825 Compactors	10	0	0	0	0	0	0	0	2541	1	0	0	2582	1	1	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0
5-1-cJohn Deere 410K TC Backhoe Loader	7	0	0	0	0	0	0	0	985	0	0	0	1000	0	1	7	0	0	0	0	0	0	0	985	0	0	0	1001	0	1	7	0	0	0	0	0	0
5-1-cAuger Cast Caissons Drill Rig	5	0	0	0	0	0	0	0	2320	1	0	0	2356	0	1	5	0	0	0	0	0	0	0	2322	1	0	0	2358	0	1	5	0	0	0	0	0	0
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
5-1-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	6	0	0	0	0	0	0	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
5-1-eLink Belt Conventional Lattice Crawler Crane	3	0	0	0	0	0	0	0	677	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0
4-2-aScrapers Cat 657G	31	0	0	0	0	0	0	0	9624	3	0	0	9776	2	5	30	0	0	0	0	0	0	0	9626	3	0	0	9779	2	5	27	0	0	0	0	0	0
4-2-aDozer D9T	20	0	0	0	0	0	0	0	5083	2	0	0	5163	1	3	19	0	0	0	0	0	0	0	5076	2	0	0	5157	1	3	18	0	0	0	0	0	0
4-2-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0
4-2-aCat 374 F L	2	0	0	0	0	0	0	0	747	0	0	0	759	0	0	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0	2	0	0	0	0	0	0
4-2-a825 Compactors	20	0	0	0	0	0	0	0	5083	2	0	0	5163	1	3	19	0	0	0	0	0	0	0	5076	2	0	0	5157	1	3	18	0	0	0	0	0	0
4-2-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	2	8	0	0	0	0	0	0
4-2-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	1	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	1	7	0	0	0	0	0	0
4-2-bKomatsu PC360LC	7	0	0	0	0	0	0	0	2988	1	0	0	3035	0	2	7	0	0	0	0	0	0	0	2987	1	0	0	3034	0	2	7	0	0	0	0	0	0
4-2-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
4-2-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
4-2-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	12	0	0	0	0	0	0	0	2707	1	0	0	2750	1	2	11	0	0	0	0	0	0	0	2706	1	0	0	2749	1	1	11	0	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	12	0	0	0	0	0	0	0	2707	1	0	0	2750	1	2	11	0	0	0	0	0	0	0	2706	1	0	0	2749	1	1	11	0	0	0	0	0	0
4-3-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
4-3-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
4-3-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
4-3-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0
4-4-aScrapers Cat 657G	23	0	0	0	0	0	0	0	7218	2	0	0	7332	2	4	22	0	0	0	0	0	0	0	7220	2	0	0	7334	1	4	20	0	0	0	0	0	0
4-4-aDozer D9T	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
4-4-aCat 140M3 Grader	1	0	0	0	0	0	0	0	342	0	0	0	347	0	0	1	0	0	0	0	0	0	0	341	0	0	0	347	0	0	1	0	0	0	0	0	0
4-4-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0
4-4-a825 Compactors	10	0	0	0	0	0	0	0	2541	1	0	0	2582	1	1	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0
4-4-aOff Highway Dump Truck Cat 770	4	0	0	0	0	0	0	0	1523	0	0	0	1547	0	1	4	0	0	0	0	0	0	0	1524	0	0	0	1548	0	1	4	0	0	0	0	0	0
4-4-aWheel Loader 986 H	4	0	0	0	0	0	0	0	1223	0	0	0	1242	0	1	4	0	0	0	0	0	0	0	1223	0	0	0	1242	0	1	3	0	0	0	0	0	0
4-4-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
4-4-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
4-4-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
4-4-eLink Belt Conventional Lattice Crawler Crane	9	0	0	0	0	0	0	0	2030	1	0	0	2062	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0
3-2-dirtScrapers Cat 657	31	0	0	0	0	0	0	0	9624	3	0	0	9776	2	5	30	0	0	0	0	0	0	0	9626	3	0	0	9779	2	5	27	0	0	0	0	0	0
3-2-dirtDozer D9T	20	0	0	0	0	0	0	0	5083	2	0	0	5163	1	3	19	0	0	0	0	0	0	0	5076	2	0	0	5157	1	3	18	0	0	0	0	0	0
3-2-aScrapers Cat 657	15	0	0	0	0	0	0	0	4812	2	0	0	4888	1	3	15	0	0	0	0	0	0	0	4813	2	0	0	4889	1	3	14	0	0	0	0	0	0
3-2-aDozer D9T	10	0	0	0	0	0	0	0	2541	1	0	0	2582	1	1	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0
3-2-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0
3-2-aCat 374 F L	2	0	0	0	0	0	0	0	747	0	0	0	759	0	0	2	0	0	0	0	0	0	0	747	0	0	0	758	0	0	2	0	0	0	0	0	0
3-2-a825 Compactors	10	0	0	0	0	0	0	0	2541	1	0	0	2582	1	1	10	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0
3-2-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	2	8	0	0	0	0	0	0
3-2-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	1	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	1	7	0	0	0	0	0	0
3-5-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
3-5-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
3-5-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0
3-5-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0
1-6-aScrapers Cat 657	23	0	0	0	0	0	0	0	7218	2	0	0	7332	2	4	22	0	0	0	0	0	0	0	7220	2	0	0	7334	1	4	20	0	0	0	0	0	0
1-6-aDozer D9T	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
1-6-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0
1-6-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0
1-6-a825 Compactors	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
1-6-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	2	8	0	0	0	0	0	0
1-6-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	1	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	1	7	0	0	0	0	0	0
1-6-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
1-6-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
1-6-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	9	0	0	0	0	0	0	0	2030	1	0	0	2062	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	9	0	0	0	0	0	0	0	2030	1	0	0	2062	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0
2-7-aScrapers Cat 657	23	0	0	0	0	0	0	0	7218	2	0	0	7332	2	4	22	0	0	0	0	0	0	0	7220	2	0	0	7334	1	4	20	0	0	0	0	0	0
2-7-aDozer D9T	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
2-7-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0
2-7-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0
2-7-a825 Compactors	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
2-7-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	2	8	0	0	0	0	0	0
2-7-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	1	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	1	7	0	0	0	0	0	0
2-7-cJohn Deere 410K TC Backhoe Loader	12	0	0	0	0	0	0	0	1641	1	0	0	1667	0	1	12	0	0	0	0	0	0	0	1642	1	0	0	1668	0	1	12	0	0	0	0	0	0
2-7-cAuger Cast Caissons Drill Rig	7	0	0	0	0	0	0	0	3479	1	0	0	3534	0	2	7	0	0	0	0	0	0	0	3483	1	0	0	3538	0	2	7	0	0	0	0	0	0
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0
2-7-dAP 600 D Cat Asphalt Paver	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	6	0	0	0	0	0	0	0	1354	0	0	0	1375	0	1	6	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0
2-8-aScrapers Cat 657	23	0	0	0	0	0	0	0	7218	2	0	0	7332	2	4	22	0	0	0	0	0	0	0	7220	2	0	0	7334	1	4	20	0	0	0	0	0	0
2-8-aDozer D9T	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
2-8-aCat 140M3 Grader	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0	0	683	0	0	0	694	0	0	2	0	0	0	0	0	0
2-8-aCat 374 F L	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0	0	373	0	0	0	379	0	0	1	0	0	0	0	0	0
2-8-a825 Compactors	15	0	0	0	0	0	0	0	3812	1	0	0	3872	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3868	1	2	14	0	0	0	0	0	0
2-8-aOff Highway Dump Truck Cat 770	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3047	1	0	0	3096	1	2	8	0	0	0	0	0	0
2-8-aWheel Loader 986 H	7	0	0	0	0	0	0	0	2445	1	0	0	2484	1	1	7	0	0	0	0	0	0	0	2446	1	0	0	2484	1	1	7	0	0	0	0	0	0
2-8-cJohn Deere 410K TC Backhoe Loader	7	0	0	0	0	0	0	0	985	0	0	0	1000	0	1	7	0	0	0	0	0	0	0	985	0	0	0	1001	0	1	7	0	0	0	0	0	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	6	0	0	0	0	0	0	0	3486	0	0	0	3512	1	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0
2-8-cAuger Cast Caissons Drill Rig	2	0	0	0	0	0	0	0	1160	0	0	0	1178	0	1	2	0	0	0	0	0	0	0	1161	0	0	0	1179	0	1	2	0	0	0	0	0	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0
2-8-dAP 600 D Cat Asphalt Paver	10	0	0	0	0	0	0	0	1507	0	0	0	1530	0	1	10	0	0	0	0	0	0	0	1506	0	0	0	1530	0	1	10	0	0	0	0	0	0
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	12	0	0	0	0	0	0	0	6972	0	0	0	7025	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0
2-8-eLink Belt Conventional Lattice Crawler Crane	3	0	0	0	0	0	0	0	677	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0

Construction - Mitigated Tier 4

Daily Construction- Equipment

							Pounds per day															Pounds per day															
							2026															2027															
	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e	ROG
5-1-aScrapers Cat 657G	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1
5-1-aDozer D9T	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
5-1-aExcavator 374 FL	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0
5-1-a825 Compactors	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
5-1-cJohn Deere 410K TC Backhoe Loader	0	986	0	0	0	1002	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002	0
5-1-cAuger Cast Caissons Drill Rig	0	2336	1	0	0	2373	0	1	5	0	0	0	0	0	0	0	2336	1	0	0	2373	0	1	5	0	0	0	0	0	0	0	2336	1	0	0	2373	0
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
5-1-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714	1
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
5-1-eLink Belt Conventional Lattice Crawler Crane	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0
4-2-aScrapers Cat 657G	0	9640	3	0	0	9793	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793	2
4-2-aDozer D9T	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1
4-2-aCat 140M3 Grader	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0
4-2-aCat 374 F L	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0
4-2-a825 Compactors	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1
4-2-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
4-2-aWheel Loader 986 H	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
4-2-bKomatsu PC360LC	0	2990	1	0	0	3038	0	2	7	0	0	0	0	0	0	0	2990	1	0	0	3038	0	2	7	0	0	0	0	0	0	0	2990	1	0	0	3038	0
4-2-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
4-2-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
4-2-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
4-2-eLink Belt Conventional Lattice Crawler Crane	0	2705	1	0	0	2748	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748	1
4-2-eLink Belt Conventional Lattice Crawler Crane	0	2705	1	0	0	2748	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748	1
4-3-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
4-3-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
4-3-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
4-3-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0
4-4-aScrapers Cat 657G	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1
4-4-aDozer D9T	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
4-4-aCat 140M3 Grader	0	341	0	0	0	347	0	0	1	0	0	0	0	0	0	0	341	0	0	0	347	0	0	1	0	0	0	0	0	0	0	341	0	0	0	347	0
4-4-aCat 374 F L	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0
4-4-a825 Compactors	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
4-4-aOff Highway Dump Truck Cat 770	0	1523	0	0	0	1547	0	1	4	0	0	0	0	0	0	0	1523	0	0	0	1547	0	1	4	0	0	0	0	0	0	0	1523	0	0	0	1547	0
4-4-aWheel Loader 986 H	0	1224	0	0	0	1244	0	1	3	0	0	0	0	0	0	0	1224	0	0	0	1244	0	1	3	0	0	0	0	0	0	0	1224	0	0	0	1244	0
4-4-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
4-4-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
4-4-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
4-4-eLink Belt Conventional Lattice Crawler Crane	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0
3-2-dirtScrapers Cat 657	0	9640	3	0	0	9793	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793	2
3-2-dirtDozer D9T	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156	1
3-2-aScrapers Cat 657	0	4820	2	0	0	4897	1	3	14	0	0	0	0	0	0	0	4820	2	0	0	4897	1	3	14	0	0	0	0	0	0	0	4820	2	0	0	4897	1
3-2-aDozer D9T	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
3-2-aCat 140M3 Grader	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0
3-2-aCat 374 F L	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759	0
3-2-a825 Compactors	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578	1
3-2-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
3-2-aWheel Loader 986 H	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
3-5-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
3-5-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
3-5-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1
3-5-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0
1-6-aScrapers Cat 657	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1
1-6-aDozer D9T	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
1-6-aCat 140M3 Grader	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0
1-6-aCat 374 F L	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0
1-6-a825 Compactors	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
1-6-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
1-6-aWheel Loader 986 H	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
1-6-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
1-6-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
1-6-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1
1-6-eLink Belt Conventional Lattice Crawler Crane	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0
1-6-eLink Belt Conventional Lattice Crawler Crane	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061	0
2-7-aScrapers Cat 657	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1
2-7-aDozer D9T	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
2-7-aCat 140M3 Grader	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0
2-7-aCat 374 F L	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0
2-7-a825 Compactors	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
2-7-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
2-7-aWheel Loader 986 H	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
2-7-cJohn Deere 410K TC Backhoe Loader	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670	0
2-7-cAuger Cast Caissons Drill Rig	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559	0
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634	0
2-7-dAP 600 D Cat Asphalt Paver	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374	0
2-8-aScrapers Cat 657	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345	1
2-8-aDozer D9T	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
2-8-aCat 140M3 Grader	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693	0
2-8-aCat 374 F L	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380	0
2-8-a825 Compactors	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867	1
2-8-aOff Highway Dump Truck Cat 770	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094	1
2-8-aWheel Loader 986 H	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488	1
2-8-cJohn Deere 410K TC Backhoe Loader	0	986	0	0	0	1002	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512	0
2-8-cAuger Cast Caissons Drill Rig	0	1168	0	0	0	1186	0	1	2	0	0	0	0	0	0	0	1168	0	0	0	1186	0	1	2	0	0	0	0	0	0	0	1168	0	0	0	1186	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1
2-8-dAP 600 D Cat Asphalt Paver	0	1506	0	0	0	1530	0	1	10	0	0	0	0	0	0	0	1506	0	0	0	1530	0	1	10	0	0	0	0	0	0	0	1506	0	0	0	1530	0
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595	1
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024	1
2-8-eLink Belt Conventional Lattice Crawler Crane	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687	0

Construction - Mitigated Tier 4

Daily Construction- Equipment

	Pounds per day													
	2028													
	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e
5-1-aScrapers Cat 657G	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
5-1-aDozer D9T	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
5-1-aExcavator 374 FL	0	2	0	0	0	0	0	0	0	748	0	0	0	759
5-1-a825 Compactors	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
5-1-cJohn Deere 410K TC Backhoe Loader	1	7	0	0	0	0	0	0	0	986	0	0	0	1002
5-1-cAuger Cast Caissons Drill Rig	1	5	0	0	0	0	0	0	0	2336	1	0	0	2373
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
5-1-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	6	0	0	0	0	0	0	0	707	0	0	0	714
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
5-1-eLink Belt Conventional Lattice Crawler Crane	0	3	0	0	0	0	0	0	0	676	0	0	0	687
4-2-aScrapers Cat 657G	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793
4-2-aDozer D9T	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
4-2-aCat 140M3 Grader	0	2	0	0	0	0	0	0	0	683	0	0	0	693
4-2-aCat 374 F L	0	2	0	0	0	0	0	0	0	748	0	0	0	759
4-2-a825 Compactors	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
4-2-aOff Highway Dump Truck Cat 770	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
4-2-aWheel Loader 986 H	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
4-2-bKomatsu PC360LC	2	7	0	0	0	0	0	0	0	2990	1	0	0	3038
4-2-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-2-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-2-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-2-eLink Belt Conventional Lattice Crawler Crane	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748
4-2-eLink Belt Conventional Lattice Crawler Crane	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748
4-3-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-3-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-3-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-3-eLink Belt Conventional Lattice Crawler Crane	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
4-4-aScrapers Cat 657G	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
4-4-aDozer D9T	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
4-4-aCat 140M3 Grader	0	1	0	0	0	0	0	0	0	341	0	0	0	347
4-4-aCat 374 F L	0	1	0	0	0	0	0	0	0	374	0	0	0	380
4-4-a825 Compactors	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
4-4-aOff Highway Dump Truck Cat 770	1	4	0	0	0	0	0	0	0	1523	0	0	0	1547
4-4-aWheel Loader 986 H	1	3	0	0	0	0	0	0	0	1224	0	0	0	1244
4-4-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-4-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-4-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-4-eLink Belt Conventional Lattice Crawler Crane	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
3-2-dirtScrapers Cat 657	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793
3-2-dirtDozer D9T	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
3-2-aScrapers Cat 657	3	14	0	0	0	0	0	0	0	4820	2	0	0	4897
3-2-aDozer D9T	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
3-2-aCat 140M3 Grader	0	2	0	0	0	0	0	0	0	683	0	0	0	693
3-2-aCat 374 F L	0	2	0	0	0	0	0	0	0	748	0	0	0	759
3-2-a825 Compactors	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
3-2-aOff Highway Dump Truck Cat 770	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
3-2-aWheel Loader 986 H	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
3-5-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
3-5-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
3-5-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
3-5-eLink Belt Conventional Lattice Crawler Crane	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
1-6-aScrapers Cat 657	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
1-6-aDozer D9T	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
1-6-aCat 140M3 Grader	0	2	0	0	0	0	0	0	0	683	0	0	0	693
1-6-aCat 374 F L	0	1	0	0	0	0	0	0	0	374	0	0	0	380
1-6-a825 Compactors	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
1-6-aOff Highway Dump Truck Cat 770	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
1-6-aWheel Loader 986 H	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
1-6-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
1-6-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
1-6-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
1-6-eLink Belt Conventional Lattice Crawler Crane	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
1-6-eLink Belt Conventional Lattice Crawler Crane	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
2-7-aScrapers Cat 657	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
2-7-aDozer D9T	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-7-aCat 140M3 Grader	0	2	0	0	0	0	0	0	0	683	0	0	0	693
2-7-aCat 374 F L	0	1	0	0	0	0	0	0	0	374	0	0	0	380
2-7-a825 Compactors	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-7-aOff Highway Dump Truck Cat 770	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
2-7-aWheel Loader 986 H	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
2-7-cJohn Deere 410K TC Backhoe Loader	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
2-7-cAuger Cast Caissons Drill Rig	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
2-7-dAP 600 D Cat Asphalt Paver	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-7-eLink Belt Conventional Lattice Crawler Crane	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
2-7-eLink Belt Conventional Lattice Crawler Crane	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
2-8-aScrapers Cat 657	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
2-8-aDozer D9T	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-8-aCat 140M3 Grader	0	2	0	0	0	0	0	0	0	683	0	0	0	693
2-8-aCat 374 F L	0	1	0	0	0	0	0	0	0	374	0	0	0	380
2-8-a825 Compactors	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-8-aOff Highway Dump Truck Cat 770	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
2-8-aWheel Loader 986 H	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
2-8-cJohn Deere 410K TC Backhoe Loader	1	7	0	0	0	0	0	0	0	986	0	0	0	1002
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-8-cAuger Cast Caissons Drill Rig	1	2	0	0	0	0	0	0	0	1168	0	0	0	1186
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
2-8-dAP 600 D Cat Asphalt Paver	1	10	0	0	0	0	0	0	0	1506	0	0	0	1530
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	4	5	0	0	0	0	0	0	0	589	0	0	0	595
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
2-8-eLink Belt Conventional Lattice Crawler Crane	0	3	0	0	0	0	0	0	0	676	0	0	0	687

	Pounds per day														
	2029														
	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	CO2e
5-1-aScrapers Cat 657G	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
5-1-aDozer D9T	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
5-1-aExcavator 374 FL	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759
5-1-a825 Compactors	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
5-1-cJohn Deere 410K TC Backhoe Loader	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002
5-1-cAuger Cast Caissons Drill Rig	0	1	5	0	0	0	0	0	0	0	2336	1	0	0	2373
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
5-1-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	5	6	0	0	0	0	0	0	0	707	0	0	0	714
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
5-1-eLink Belt Conventional Lattice Crawler Crane	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687
4-2-aScrapers Cat 657G	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793
4-2-aDozer D9T	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
4-2-aCat 140M3 Grader	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693
4-2-aCat 374 F L	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759
4-2-a825 Compactors	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
4-2-aOff Highway Dump Truck Cat 770	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
4-2-aWheel Loader 986 H	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
4-2-bKomatsu PC360LC	0	2	7	0	0	0	0	0	0	0	2990	1	0	0	3038
4-2-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-2-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-2-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-2-eLink Belt Conventional Lattice Crawler Crane	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748
4-2-eLink Belt Conventional Lattice Crawler Crane	1	1	11	0	0	0	0	0	0	0	2705	1	0	0	2748
4-3-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-3-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-3-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-3-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
4-4-aScrapers Cat 657G	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
4-4-aDozer D9T	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
4-4-aCat 140M3 Grader	0	0	1	0	0	0	0	0	0	0	341	0	0	0	347
4-4-aCat 374 F L	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380
4-4-a825 Compactors	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
4-4-aOff Highway Dump Truck Cat 770	0	1	4	0	0	0	0	0	0	0	1523	0	0	0	1547
4-4-aWheel Loader 986 H	0	1	3	0	0	0	0	0	0	0	1224	0	0	0	1244
4-4-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
4-4-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
4-4-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
4-4-eLink Belt Conventional Lattice Crawler Crane	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
3-2-dirtScrapers Cat 657	2	5	27	0	0	0	0	0	0	0	9640	3	0	0	9793
3-2-dirtDozer D9T	1	3	18	0	0	0	0	0	0	0	5076	2	0	0	5156
3-2-aScrapers Cat 657	1	3	14	0	0	0	0	0	0	0	4820	2	0	0	4897
3-2-aDozer D9T	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
3-2-aCat 140M3 Grader	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693
3-2-aCat 374 F L	0	0	2	0	0	0	0	0	0	0	748	0	0	0	759
3-2-a825 Compactors	1	1	9	0	0	0	0	0	0	0	2538	1	0	0	2578
3-2-aOff Highway Dump Truck Cat 770	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
3-2-aWheel Loader 986 H	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
3-5-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
3-5-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
3-5-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
3-5-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
1-6-aScrapers Cat 657	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
1-6-aDozer D9T	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
1-6-aCat 140M3 Grader	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693
1-6-aCat 374 F L	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380
1-6-a825 Compactors	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
1-6-aOff Highway Dump Truck Cat 770	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
1-6-aWheel Loader 986 H	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
1-6-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
1-6-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
1-6-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
1-6-eLink Belt Conventional Lattice Crawler Crane	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
1-6-eLink Belt Conventional Lattice Crawler Crane	0	1	8	0	0	0	0	0	0	0	2029	1	0	0	2061
2-7-aScrapers Cat 657	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
2-7-aDozer D9T	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-7-aCat 140M3 Grader	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693
2-7-aCat 374 F L	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380
2-7-a825 Compactors	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-7-aOff Highway Dump Truck Cat 770	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
2-7-aWheel Loader 986 H	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
2-7-cJohn Deere 410K TC Backhoe Loader	0	1	12	0	0	0	0	0	0	0	1644	1	0	0	1670
2-7-cAuger Cast Caissons Drill Rig	0	2	7	0	0	0	0	0	0	0	3504	1	0	0	3559
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0	0	0	2615	0	0	0	2634
2-7-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0	0	0	1205	0	0	0	1224
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0	0	0	1353	0	0	0	1374
2-8-aScrapers Cat 657	1	4	20	0	0	0	0	0	0	0	7230	2	0	0	7345
2-8-aDozer D9T	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-8-aCat 140M3 Grader	0	0	2	0	0	0	0	0	0	0	683	0	0	0	693
2-8-aCat 374 F L	0	0	1	0	0	0	0	0	0	0	374	0	0	0	380
2-8-a825 Compactors	1	2	14	0	0	0	0	0	0	0	3807	1	0	0	3867
2-8-aOff Highway Dump Truck Cat 770	1	2	8	0	0	0	0	0	0	0	3046	1	0	0	3094
2-8-aWheel Loader 986 H	1	1	7	0	0	0	0	0	0	0	2449	1	0	0	2488
2-8-cJohn Deere 410K TC Backhoe Loader	0	1	7	0	0	0	0	0	0	0	986	0	0	0	1002
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0	0	0	3486	0	0	0	3512
2-8-cAuger Cast Caissons Drill Rig	0	1	2	0	0	0	0	0	0	0	1168	0	0	0	1186
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
2-8-dAP 600 D Cat Asphalt Paver	0	1	10	0	0	0	0	0	0	0	1506	0	0	0	1530
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	5	0	0	0	0	0	0	0	589	0	0	0	595
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0	0	0	6972	0	0	0	7024
2-8-eLink Belt Conventional Lattice Crawler Crane	0	0	3	0	0	0	0	0	0	0	676	0	0	0	687

	Pounds per d							
	2030							
	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D
5-1-aScrapers Cat 657G	2	4	18	0	0	0	0	0
5-1-aDozer D9T	1	1	6	0	0	0	0	0
5-1-aExcavator 374 FL	0	0	2	0	0	0	0	0
5-1-a825 Compactors	1	1	6	0	0	0	0	0
5-1-cJohn Deere 410K TC Backhoe Loader	0	1	8	0	0	0	0	0
5-1-cAuger Cast Caissons Drill Rig	0	1	5	0	0	0	0	0
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
5-1-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	4	6	0	0	0	0	0
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
5-1-eLink Belt Conventional Lattice Crawler Crane	0	0	2	0	0	0	0	0
4-2-aScrapers Cat 657G	3	5	24	0	0	0	0	0
4-2-aDozer D9T	1	3	13	0	0	0	0	0
4-2-aCat 140M3 Grader	0	0	2	0	0	0	0	0
4-2-aCat 374 F L	0	0	2	0	0	0	0	0
4-2-a825 Compactors	1	3	13	0	0	0	0	0
4-2-aOff Highway Dump Truck Cat 770	1	2	7	0	0	0	0	0
4-2-aWheel Loader 986 H	1	1	6	0	0	0	0	0
4-2-bKomatsu PC360LC	1	2	7	0	0	0	0	0
4-2-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
4-2-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
4-2-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	1	1	6	0	0	0	0	0
4-2-eLink Belt Conventional Lattice Crawler Crane	1	1	6	0	0	0	0	0
4-3-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
4-3-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
4-3-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
4-3-eLink Belt Conventional Lattice Crawler Crane	0	1	3	0	0	0	0	0
4-4-aScrapers Cat 657G	2	4	18	0	0	0	0	0
4-4-aDozer D9T	1	2	10	0	0	0	0	0
4-4-aCat 140M3 Grader	0	0	1	0	0	0	0	0
4-4-aCat 374 F L	0	0	1	0	0	0	0	0
4-4-a825 Compactors	1	1	6	0	0	0	0	0
4-4-aOff Highway Dump Truck Cat 770	0	1	4	0	0	0	0	0
4-4-aWheel Loader 986 H	0	1	3	0	0	0	0	0
4-4-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
4-4-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
4-4-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
4-4-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0
3-2-dirtScrapers Cat 657	3	5	24	0	0	0	0	0
3-2-dirtDozer D9T	1	3	13	0	0	0	0	0
3-2-aScrapers Cat 657	1	3	12	0	0	0	0	0
3-2-aDozer D9T	1	1	6	0	0	0	0	0
3-2-aCat 140M3 Grader	0	0	2	0	0	0	0	0
3-2-aCat 374 F L	0	0	2	0	0	0	0	0
3-2-a825 Compactors	1	1	6	0	0	0	0	0
3-2-aOff Highway Dump Truck Cat 770	1	2	7	0	0	0	0	0
3-2-aWheel Loader 986 H	1	1	6	0	0	0	0	0
3-5-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
3-5-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
3-5-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0
3-5-eLink Belt Conventional Lattice Crawler Crane	0	1	3	0	0	0	0	0
1-6-aScrapers Cat 657	2	4	18	0	0	0	0	0
1-6-aDozer D9T	1	2	10	0	0	0	0	0
1-6-aCat 140M3 Grader	0	0	2	0	0	0	0	0
1-6-aCat 374 F L	0	0	1	0	0	0	0	0
1-6-a825 Compactors	1	2	10	0	0	0	0	0
1-6-aOff Highway Dump Truck Cat 770	1	2	7	0	0	0	0	0
1-6-aWheel Loader 986 H	1	1	6	0	0	0	0	0
1-6-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
1-6-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
1-6-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0
1-6-eLink Belt Conventional Lattice Crawler Crane	0	1	5	0	0	0	0	0
2-7-aScrapers Cat 657	2	4	18	0	0	0	0	0
2-7-aDozer D9T	1	2	10	0	0	0	0	0
2-7-aCat 140M3 Grader	0	0	2	0	0	0	0	0
2-7-aCat 374 F L	0	0	1	0	0	0	0	0
2-7-a825 Compactors	1	2	10	0	0	0	0	0
2-7-aOff Highway Dump Truck Cat 770	1	2	7	0	0	0	0	0
2-7-aWheel Loader 986 H	1	1	6	0	0	0	0	0
2-7-cJohn Deere 410K TC Backhoe Loader	0	1	13	0	0	0	0	0
2-7-cAuger Cast Caissons Drill Rig	0	2	8	0	0	0	0	0
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	1	5	0	0	0	0	0
2-7-dAP 600 D Cat Asphalt Paver	0	1	8	0	0	0	0	0
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1	3	0	0	0	0	0
2-7-eLink Belt Conventional Lattice Crawler Crane	0	1	3	0	0	0	0	0
2-8-aScrapers Cat 657	2	4	18	0	0	0	0	0
2-8-aDozer D9T	1	2	10	0	0	0	0	0
2-8-aCat 140M3 Grader	0	0	2	0	0	0	0	0
2-8-aCat 374 F L	0	0	1	0	0	0	0	0
2-8-a825 Compactors	1	2	10	0	0	0	0	0
2-8-aOff Highway Dump Truck Cat 770	1	2	7	0	0	0	0	0
2-8-aWheel Loader 986 H	1	1	6	0	0	0	0	0
2-8-cJohn Deere 410K TC Backhoe Loader	0	1	8	0	0	0	0	0
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	2	6	0	0	0	0	0
2-8-cAuger Cast Caissons Drill Rig	0	1	3	0	0	0	0	0
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0
2-8-dAP 600 D Cat Asphalt Paver	0	1	11	0	0	0	0	0
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	1	3	5	0	0	0	0	0
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	3	12	0	0	0	0	0
2-8-eLink Belt Conventional Lattice Crawler Crane	0	0	2	0	0	0	0	0

Daily Construction- Equipment

	PM2.5T	SOX	CO2	CH4	N2O	Other	CO2e
5-1-aScrapers Cat 657G	0	0	8703	0	0	0	8772
5-1-aDozer D9T	0	0	3043	0	0	0	3067
5-1-aExcavator 374 FL	0	0	903	0	0	0	910
5-1-a825 Compactors	0	0	3043	0	0	0	3067
5-1-cJohn Deere 410K TC Backhoe Loader	0	0	1175	0	0	0	1184
5-1-cAuger Cast Caissons Drill Rig	0	0	2841	0	0	0	2861
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
5-1-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	707	0	0	0	714
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
5-1-eLink Belt Conventional Lattice Crawler Crane	0	0	814	0	0	0	821
4-2-aScrapers Cat 657G	0	0	11604	0	0	0	11696
4-2-aDozer D9T	0	0	6086	0	0	0	6134
4-2-aCat 140M3 Grader	0	0	819	0	0	0	826
4-2-aCat 374 FL	0	0	903	0	0	0	910
4-2-a825 Compactors	0	0	6086	0	0	0	6134
4-2-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
4-2-aWheel Loader 986 H	0	0	2966	0	0	0	2989
4-2-bKomatsu PC360LC	0	0	3613	0	0	0	3641
4-2-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
4-2-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
4-2-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-2-eLink Belt Conventional Lattice Crawler Crane	0	0	3257	0	0	0	3283
4-2-eLink Belt Conventional Lattice Crawler Crane	0	0	3257	0	0	0	3283
4-3-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
4-3-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
4-3-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-3-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
4-4-aScrapers Cat 657G	0	0	8703	0	0	0	8772
4-4-aDozer D9T	0	0	4564	0	0	0	4601
4-4-aCat 140M3 Grader	0	0	410	0	0	0	413
4-4-aCat 374 FL	0	0	452	0	0	0	455
4-4-a825 Compactors	0	0	3043	0	0	0	3067
4-4-aOff Highway Dump Truck Cat 770	0	0	1822	0	0	0	1836
4-4-aWheel Loader 986 H	0	0	1483	0	0	0	1495
4-4-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
4-4-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
4-4-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
4-4-eLink Belt Conventional Lattice Crawler Crane	0	0	2443	0	0	0	2462
3-2-dirtScrapers Cat 657	0	0	11604	0	0	0	11696
3-2-dirtDozer D9T	0	0	6086	0	0	0	6134
3-2-aScrapers Cat 657	0	0	5802	0	0	0	5848
3-2-aDozer D9T	0	0	3043	0	0	0	3067
3-2-aCat 140M3 Grader	0	0	819	0	0	0	826
3-2-aCat 374 FL	0	0	903	0	0	0	910
3-2-a825 Compactors	0	0	3043	0	0	0	3067
3-2-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
3-2-aWheel Loader 986 H	0	0	2966	0	0	0	2989
3-5-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
3-5-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
3-5-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
3-5-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
1-6-aScrapers Cat 657	0	0	8703	0	0	0	8772
1-6-aDozer D9T	0	0	4564	0	0	0	4601
1-6-aCat 140M3 Grader	0	0	819	0	0	0	826
1-6-aCat 374 FL	0	0	452	0	0	0	455
1-6-a825 Compactors	0	0	4564	0	0	0	4601
1-6-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
1-6-aWheel Loader 986 H	0	0	2966	0	0	0	2989
1-6-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
1-6-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
1-6-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
1-6-eLink Belt Conventional Lattice Crawler Crane	0	0	2443	0	0	0	2462
1-6-eLink Belt Conventional Lattice Crawler Crane	0	0	2443	0	0	0	2462
2-7-aScrapers Cat 657	0	0	8703	0	0	0	8772
2-7-aDozer D9T	0	0	4564	0	0	0	4601
2-7-aCat 140M3 Grader	0	0	819	0	0	0	826
2-7-aCat 374 FL	0	0	452	0	0	0	455
2-7-a825 Compactors	0	0	4564	0	0	0	4601
2-7-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
2-7-aWheel Loader 986 H	0	0	2966	0	0	0	2989
2-7-cJohn Deere 410K TC Backhoe Loader	0	0	1958	0	0	0	1973
2-7-cAuger Cast Caissons Drill Rig	0	0	4261	0	0	0	4292
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	2615	0	0	0	2634
2-7-dAP 600 D Cat Asphalt Paver	0	0	1449	0	0	0	1461
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
2-7-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
2-7-eLink Belt Conventional Lattice Crawler Crane	0	0	1629	0	0	0	1641
2-8-aScrapers Cat 657	0	0	8703	0	0	0	8772
2-8-aDozer D9T	0	0	4564	0	0	0	4601
2-8-aCat 140M3 Grader	0	0	819	0	0	0	826
2-8-aCat 374 FL	0	0	452	0	0	0	455
2-8-a825 Compactors	0	0	4564	0	0	0	4601
2-8-aOff Highway Dump Truck Cat 770	0	0	3644	0	0	0	3672
2-8-aWheel Loader 986 H	0	0	2966	0	0	0	2989
2-8-cJohn Deere 410K TC Backhoe Loader	0	0	1175	0	0	0	1184
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	3486	0	0	0	3512
2-8-cAuger Cast Caissons Drill Rig	0	0	1420	0	0	0	1431
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
2-8-dAP 600 D Cat Asphalt Paver	0	0	1811	0	0	0	1826
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0	0	589	0	0	0	595
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0	0	6972	0	0	0	7023
2-8-eLink Belt Conventional Lattice Crawler Crane	0	0	814	0	0	0	821

Construction - Mitigated Tier 4

Equipment Emission Calcs

Parcel	Phase	Activity	Sch Code	lookup for daily	#/day	Hrs/day/Eq	HP Look	HP	LF	Days	2017 Pounds per day ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Gal/Day Fuel	2018 Pounds per day ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other
5	1	a	5-1-a	5-1-aScrapers Cat 657G	3	8	750	600	0.48	56	2.49	7.24	35.14	0.22		0.22	0.20		0.20	0.08	7637.25	2.34	0.20		339.41	2.25	6.43	30.09	0.19		0.19	0.17		0.17	0.08	7512.97	2.34	0.19	
5	1	a	5-1-a	5-1-aDozer D9T	2	8	500	354	0.43	62	1.03	3.02	14.11	0.09		0.09	0.09		0.09	0.03	2690.18	0.82	0.07		119.56	0.92	2.62	12.76	0.08		0.08	0.08		0.08	0.03	2642.46	0.82	0.07	
5	1	a	5-1-a	5-1-aExcavator 374 FL	1	4	500	472	0.38	20	0.16	0.45	1.91	0.01		0.01	0.01		0.01	0.01	789.73	0.24	0.02		35.10	0.14	0.41	1.81	0.01		0.01	0.01		0.01	0.01	777.47	0.24	0.02	
5	1	a	5-1-a	5-1-a825 Compactors	2	8	500	354	0.43	25	1.03	3.02	14.11	0.09		0.09	0.09		0.09	0.03	2690.18	0.82	0.07		119.56	0.92	2.62	12.76	0.08		0.08	0.08		0.08	0.03	2642.46	0.82	0.07	
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	3	8	120	106	0.37	26	0.52	0.94	7.82	0.03		0.03	0.03		0.03	0.01	1039.15	0.32	0.03		46.18	0.43	0.81	7.63	0.03		0.03	0.02		0.02	0.01	1021.23	0.32	0.03	
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	2	8	500	282	0.50	26	0.41	1.33	5.59	0.04		0.04	0.03		0.03	0.02	2446.57	0.75	0.06		108.73	0.34	1.30	5.16	0.04		0.04	0.02		0.02	0.02	2427.72	0.76	0.06	
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	20	0.55	1.35	4.89	0.04		0.04	0.03		0.03	0.02	2614.52	0.10	0.07		116.19	0.52	1.21	4.79	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07	
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	49	0.50	1.24	7.81	0.04		0.04	0.04		0.04	0.01	1272.16	0.39	0.03		56.54	0.43	1.07	7.75	0.03		0.03	0.03		0.03	0.01	1252.67	0.39	0.03	
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	3	8	50	49	0.48	10	1.84	6.06	6.97	0.46		0.46	0.46		0.46	0.01	707.23	0.17	0.02		31.43	1.62	5.86	6.77	0.41		0.41	0.41		0.41	0.01	707.23	0.15	0.02	
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	30	0.73	1.80	6.51	0.05		0.05	0.04		0.04	0.03	3486.03	0.13	0.09		154.92	0.69	1.61	6.39	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09	
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	159	0.29	0.84	5.08	0.03		0.03	0.03		0.03	0.01	714.21	0.22	0.02		31.74	0.26	0.74	4.57	0.02		0.02	0.02		0.02	0.01	703.40	0.22	0.02	
4	2	a	4-2-a	4-2-aScrapers Cat 657G	4	8	750	600	0.48	74	3.32	9.65	46.86	0.29		0.29	0.27		0.27	0.10	10183.01	3.12	0.26		452.55	3.00	8.57	40.12	0.25		0.25	0.23		0.23	0.10	10017.29	3.12	0.26	
4	2	a	4-2-a	4-2-aDozer D9T	4	8	500	354	0.43	80	2.06	6.04	28.22	0.19		0.19	0.17		0.17	0.05	5380.35	1.65	0.14		239.11	1.84	5.25	25.51	0.16		0.16	0.15		0.15	0.05	5284.92	1.64	0.14	
4	2	a	4-2-a	4-2-aCat 140M3 Grader	2	4	250	200	0.41	30	0.29	0.89	2.09	0.02		0.02	0.02		0.02	0.01	726.30	0.22	0.02		32.28	0.28	0.85	2.04	0.02		0.02	0.02		0.02	0.01	714.24	0.22	0.02	
4	2	a	4-2-a	4-2-aCat 374 F L	2	2	500	472	0.38	74	0.16	0.45	1.91	0.01		0.01	0.01		0.01	0.01	789.73	0.24	0.02		35.10	0.14	0.41	1.81	0.01		0.01	0.01		0.01	0.01	777.47	0.24	0.02	
4	2	a	4-2-a	4-2-a825 Compactors	4	8	500	354	0.43	74	2.06	6.04	28.22	0.19		0.19	0.17		0.17	0.05	5380.35	1.65	0.14		239.11	1.84	5.25	25.51	0.16		0.16	0.15		0.15	0.05	5284.92	1.64	0.14	
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	30	1.04	2.64	11.21	0.08		0.08	0.07		0.07	0.03	3215.34	0.98	0.08		142.90	0.92	2.22	10.00	0.07		0.07	0.06		0.06	0.03	3164.49	0.98	0.08	
4	2	a	4-2-a	4-2-aWheel Loader 986 H	2	8	500	409	0.36	30	0.96	2.49	10.75	0.08		0.08	0.07		0.07	0.03	2569.54	0.79	0.07		114.19	0.87	2.18	9.75	0.07		0.07	0.06		0.06	0.03	2529.32	0.79	0.06	
4	2	b	4-2-b	4-2-bKomatsu PC360LC	2	8	500	472	0.38	37	0.64	1.79	7.62	0.05		0.05	0.04		0.04	0.03	3158.90	0.97	0.08		140.39	0.56	1.65	7.25	0.05		0.05	0.04		0.04	0.03	3109.90	0.97	0.08	
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	101	0.62	1.99	8.39	0.06		0.06	0.05		0.05	0.04	3669.86	1.12	0.09		163.09	0.51	1.95	7.74	0.06		0.06	0.03		0.03	0.04	3641.57	1.13	0.09	
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	101	0.86	1.57	13.03	0.05		0.05	0.05		0.05	0.02	1731.92	0.53	0.04		76.97	0.72	1.36	12.72	0.04		0.04	0.04		0.04	0.02	1702.05	0.53	0.04	
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	98	0.55	1.35	4.89	0.04		0.04	0.03		0.03	0.02	2614.52	0.10	0.07		116.19	0.52	1.21	4.79	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07	
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	60	0.50	1.24	7.81	0.04		0.04	0.04		0.04	0.01	1272.16	0.39	0.03		56.54	0.43	1.07	7.75	0.03		0.03	0.03		0.03	0.01	1252.67	0.39	0.03	
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	10	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	20	0.73	1.80	6.51	0.05		0.05	0.04		0.04	0.03	3486.03	0.13	0.09		154.92	0.69	1.61	6.39	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	4	8	500	282	0.29	190	1.18	3.36	20.33	0.11		0.11	0.10		0.10	0.03	2856.86	0.88	0.07		126.96	1.06	2.98	18.27	0.10		0.10	0.09		0.09	0.03	2813.60	0.88	0.07	
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	190	0.29	0.84	5.08	0.03		0.03	0.03		0.03	0.01	714.21	0.22	0.02		31.74	0.26	0.74	4.57	0.02		0.02	0.02		0.02	0.01	703.40	0.22	0.02	
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	59	0.86	1.57	13.03	0.05		0.05	0.05		0.05	0.02	1731.92	0.53	0.04		76.97	0.72	1.36	12.72	0.04		0.04	0.04		0.04	0.02	1702.05	0.53	0.04	
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	59	0.62	1.99	8.39	0.06		0.06	0.05		0.05	0.04	3669.86	1.12	0.09		163.09	0.51	1.95	7.74	0.06		0.06	0.03		0.03	0.04	3641.57	1.13	0.09	
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	59	0.73	1.80	6.51	0.05		0.05	0.04		0.04	0.03	3486.03	0.13	0.09		154.92	0.69	1.61	6.39	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09	
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	51	0.55	1.35	4.89	0.04		0.04	0.03		0.03	0.02	2614.52	0.10	0.07		116.19	0.52	1.21	4.79	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07	
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	44	0.50	1.24	7.81	0.04		0.04	0.04		0.04	0.01	1272.16	0.39	0.03		56.54	0.43	1.07	7.75	0.03		0.03	0.03		0.03	0.01	1252.67	0.39	0.03	
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	11	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	25	0.73	1.80	6.51	0.05		0.05	0.04		0.04	0.03	3486.03	0.13	0.09		154.92	0.69	1.61	6.39	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09	
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	2	8	500	282	0.29	200	0.59	1.68	10.17	0.06		0.06	0.05		0.05	0.01	1428.43	0.44	0.04		63.48	0.53	1.49	9.13	0.05		0.05	0.04		0.04	0.01	1406.80	0.44	0.04	
4	4	a	4-4-a	4-4-aScrapers Cat 657G	3	8	750	600	0.48	25	2.49	7.24	35.14	0.22		0.22	0.20		0.20	0.08	7637.25	2.34	0.20		339.41	2.25	6.43	30.09	0.19		0.19	0.17		0.17	0.08	7512.97	2.34	0.19	
4	4	a	4-4-a	4-4-aDozer D9T	3	8	500	354	0.43	30	1.55	4.53	21.16	0.14		0.14	0.13		0.13	0.04	4035.27	1.24	0.10		179.33	1.38	3.94	19.13	0.12		0.12	0.11		0.11	0.04	3963.69	1.23	0.10	
4	4	a	4-4-a	4-4-aCat 140M3 Grader	1	4	250	200	0.41	10	0.14	0.45	1.04	0.01		0.01	0.01		0.01	0.00	363.15	0.11	0.01		16.14	0.14	0.43	1.02	0.01		0.01	0.01		0.01	0.00	357.12	0.11	0.01	
4	4	a	4-4-a	4-4-aCat 374 F L	1	2	500	472	0.38	25	0.08	0.22	0.95	0.01		0.01	0.01		0.01	0.00	394.86	0.12	0.01		17.55	0.07	0.21	0.91	0.01		0.01	0.00		0.00	0.00	388.74	0.12	0.01	
4	4	a	4-4-a	4-4-a825 Compactors	2	8	500	354	0.43	25	1.03	3.02	14.11	0.09		0.09	0.09		0.09	0.03	2690.18	0.82	0.07		119.56	0.92	2.62	12.76	0.08		0.08	0.08		0.08	0.03	2642.46	0.82	0.07	
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	1	8	500	476	0.38	10	0.52	1.32	5.60	0.04		0.04	0.04		0.04	0.02	1607.67	0.49	0.04		71.45	0.46	1.11	5.00	0.03		0.03	0.03		0.03	0.02	1582.24	0.49	0.04	
4	4	a	4-4-a	4-4-aWheel Loader 986 H	1	8	500	409	0.36	10	0.48	1.24	5.38	0.04		0.04	0.03		0.03	0.01	1284.77	0.39	0.03		57.10	0.44	1.09	4.88	0.03		0.03	0.03		0.03	0.01	1264.66	0.39	0.03	
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	58	0.86	1.57	13.03	0.05		0.05	0.05		0.05	0.02	1731.92	0.53	0.04		76.97	0.72	1.36	12.72	0.04		0.04	0.04		0.04	0.02	1702.05	0.53	0.04	
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	58	0.62	1.99	8.39	0.06		0.06	0.05		0.05	0.04	3669.86	1.12	0.09		163.09	0.51	1.95	7.74	0.06		0.06	0.03		0.03	0.04	3641.57	1.13	0.09	
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	58	0.73	1.80	6.51	0.05		0.05	0.04		0.04	0.03	3486.03	0.13	0.09		154.92	0.69	1.61	6.39	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09	
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	65	0.55	1.35	4.89	0.04		0.04	0.03		0.03	0.02	2614.52	0.10	0.07		116.19	0.52	1.21	4.79	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07	
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	33	0.50	1.24	7.81	0.04		0.04	0.04		0.04	0.01	1272.16	0.39	0.03		56.54	0.43	1.07	7.75	0.03		0.03	0.03		0.03	0.01	1252.67	0.39	0.03	
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	33	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	20	0.73	1.80	6.51	0.05		0.05	0.04		0.04	0.03	3486.03	0.13	0.09		154.92	0.69	1.61	6.39	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09	
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	3	8	500	282	0.29	208	0.88	2.52	15.25	0.08		0.08	0.08		0.08	0.02	2142.64	0.66	0.05		95.22	0.79	2.23	13.70	0.07		0.07	0.07		0.07	0.02	2110.20	0.66	0.05	
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	4	8	750	600	0.48	50	3.32	9.65	46.86	0.29		0.29	0.27		0.27	0.10	10183.01	3.12	0.26		452.55	3.00	8.57	40.12	0.25		0.25	0.23		0.23	0.10	10017.29	3.12	0.26	
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	4	8	500	354	0.43	55	2.06	6.04	28.22	0.19		0.19	0.17		0.17	0.05	5380.35	1.65	0.14		239.11	1.84	5.25	25.51	0.16		0.16	0.15		0.15	0.05	5284.92	1.64	0.14	
3	2	a	3-2-a	3-2-aScrapers Cat 657	2	8	750	600	0.48	10	1.66	4.82	23.43	0.14		0.14	0.13		0.13	0.05	5091.50	1.56	0.13		226.27	1.50	4.29	20.06	0.13		0.13	0.12		0.12	0.05	5008.65	1.56	0.13	
3	2	a	3-2-a	3-2-aDozer D9T	2	8	500	354	0.43	15	1.03	3.02	14.11	0.09		0.09	0.09		0.09	0.03	2690.18	0.82	0.07		119.56	0.92	2.62	12.76	0.08		0.08	0.08		0.08	0.03	2642.46	0.82	0.07	
3	2	a	3-2-a	3-2-aCat 140M3 Grader	2	4	250	200	0.41	10	0.29	0.89	2.09	0.02		0.02	0.02		0.02	0.01	726.30	0.22	0.02		32.28	0.28	0.85	2.04	0.02		0.02	0.02		0.02	0.01	714.24	0.22	0.02	
3	2	a	3-2-a	3-2-aCat 374 F L	2	2	500	472	0.38	10	0.16	0.45	1.91	0.01		0.01	0.01		0.01	0.01	789.73	0.24	0.02		35.10	0.14	0.41	1.81	0.01		0.01	0.01		0.01	0.01	777.47	0.24	0.02	
3	2	a	3-2-a	3-2-a825 Compactors	2	8	500	354	0.43	10	1.03	3.02	14.11	0.09		0.09	0.09		0.09	0.03	2690.18	0.82	0.07		119.56	0.92	2.62	12.76	0.08		0.08	0.08		0.08	0.03	2642.46	0.82	0.07	
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	5	1.04	2.64	11.21	0.08		0.08	0.07		0.07	0.03	3215.34	0.98	0.08		142.90	0.92	2.22	10.00	0.07		0.07	0.06		0.06	0.03	3164.49	0.98	0.08	
3	2	a	3-2-a	3-2-aWheel Loader 986 H	2	8	500	409	0.36	5	0.96	2.49	10.75	0.08		0.08	0.07		0.07	0.03	2569.54	0.79	0.07		114.19	0.87	2.18	9.75	0.07		0.07	0.06		0.06	0.03	2529.32	0.79	0.06	
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	58	0.86	1.57	13.03	0.05		0.05	0.05		0.05	0.02	1731.92	0.53	0.04		76.97	0.72	1.36	12.72	0.04		0.04	0.04		0.04	0.02	1702.05	0.53	0.04	
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	58	0.62	1.99	8.39	0.06		0.06	0.05		0.05	0.04	3669.86	1.12	0.09		163.09	0.51	1.95	7.74	0.06		0.06	0.03		0.03	0.04	3641.57	1.13	0.09	
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	58	0.73	1.80	6.51	0.05		0.05	0.04		0.04	0.03	3486.03	0.13	0.09		154.92	0.69	1.61	6.39	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09	
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	64	0.55	1.35	4.89	0.04		0.04	0.03		0.03	0.02	2614.52	0.10	0.07		116.19	0.52	1.21	4.79	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07	
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	34	0.50	1.24	7.81	0.04		0.04	0.04		0.04	0.01	1272.16	0.39	0.03		56.54	0.43	1.07	7.75	0.03		0.03	0.03		0.03	0.01	1252.67	0.39	0.03	
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	34	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	45	1.47	3.59	13.03	0.10		0.10	0.09		0.09	0.06	6972.05	0.26	0.18		309.85	1.39	3.22	12.77	0.10		0.10	0.08		0.08	0.06	6972.05	0.25	0.18	
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	2	8	500	282	0.29	208	0.59	1.68	10.17	0.06		0.06	0.05		0.05	0.01	1428.43	0.44	0.04		63.48	0.53	1.49	9.13	0.05		0.05	0.04		0.04	0.01	1406.80	0.44	0.04	
1	6	a	1-6-a	1-6-aScrapers Cat 657	3	8	750	600	0.48	20	2.49	7.24	35.14	0.22		0.22	0.20		0.20	0.08	7637.25	2.34	0.20		339.41	2.25	6.43	30.09	0.19		0.19	0.17		0.17	0.08	7512.97	2.34	0.19	
1	6	a	1-6-a	1-6-aDozer D9T	3	8	500	354	0.43	25	1.55	4.53	21.16	0.14		0.14	0.13		0.13	0.04	4035.27	1.24	0.10		179.33	1.38	3.94	19.13	0.12		0.12	0.11		0.11	0.04	3963.69	1.23	0.10	
1	6	a	1-6-a	1-6-aCat 140M3 Grader	2	4	250	200	0.41	10	0.29	0.89	2.09	0.02		0.02	0.02		0.02	0.01	726.30	0.22	0.02		32.28	0.28	0.85	2.04	0.02		0.02	0.02		0.02	0.01	714.24	0.22	0.02	
1	6	a	1-6-a	1-6-aCat 374 F L	1	2	500	472	0.38	10	0.08	0.22	0.95	0.01		0.01	0.01		0.01	0.00	394.86	0.12	0.01		17.55	0.07	0.21	0.91	0.01		0.01	0.00		0.00	0.00	388.74	0.12	0.01	
1	6	a	1-6-a	1-6-a825 Compactors	3	8	500	354	0.43	20	1.55	4.53	21.16	0.14		0.14	0.13		0.13	0.04	4035.27	1.24	0.10		179.33	1.38	3.94	19.13	0.12		0.12	0.11		0.11	0.04	3963.69	1.23	0.10	
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	10	1.04	2.64	11.21	0.08		0.08	0.07		0.07	0.03	3215.34	0.98	0.08		142.90	0.92	2.22	10.00	0.07		0.07	0.06		0.06	0.03	3164.49	0.98	0.08	
1	6	a	1-6-a	1-6-aWheel Loader 986 H	2	8	500	409	0.36	10	0.96	2.49	10.75	0.08		0.08	0.07		0.07	0.03	2569.54	0.79	0.07		114.19	0.87	2.18	9.75	0.07		0.07	0.06		0.06	0.03	2529.32	0.79	0.06	
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	55	0.86	1.57	13.03	0.05		0.05	0.05		0.05	0.02	1731.92	0.53	0.04		76.97	0.72	1.36	12.72	0.04		0.04	0.04		0.04	0.02	1702.05	0.53	0.04	
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	55	0.62	1.99	8.39	0.06		0.06	0.05		0.05	0.04	3669.86	1.12	0.09		163.09	0.51	1.95	7.74	0.06		0.06	0.03		0.03	0.04	3641.57	1.13	0.09	
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	55	0.73	1.80	6.51	0.05		0.05	0.04		0.04	0.03	3486.03	0.13	0.09		154.92	0.69	1.61	6.39	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09	
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	70	0.55	1.35	4.89	0.04		0.04	0.03		0.03	0.02	2614.52	0.10	0.07		116.19	0.52	1.21	4.79	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07	
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	23	0.50	1.24	7.81	0.04		0.04	0.04		0.04	0.01	1272.16	0.39	0.03		56.54	0.43	1.07	7.75	0.03		0.03	0.03		0.03	0.01	1252.67	0.39	0.03	
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	23	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	45	1.47	3.59	13.03	0.10		0.10	0.09		0.09	0.06	6972.05	0.26	0.18		309.85	1.39	3.22	12.77	0.10		0.10	0.08		0.08	0.06	6972.05	0.25	0.18	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	3	8	500	282	0.29	198	0.88	2.52	15.25	0.08		0.08	0.08		0.08	0.02	2142.64	0.66	0.05		95.22	0.79	2.23	13.70	0.07		0.07	0.07		0.07	0.02	2110.20	0.66	0.05	
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	198	0.29	0.84	5.08	0.03		0.03	0.03		0.03	0.01	714.21	0.22	0.02		31.74	0.26	0.74	4.57	0.02		0.02	0.02		0.02	0.01	703.40	0.22	0.02	
2	7	a	2-7-a	2-7-aScrapers Cat 657	3	8	750	600	0.48	10	2.49	7.24	35.14	0.22		0.22	0.20		0.20	0.08	7637.25	2.34	0.20		339.41	2.25	6.43	30.09	0.19		0.19	0.17		0.17	0.08	7512.97	2.34	0.19	
2	7	a	2-7-a	2-7-aDozer D9T	3	8	500	354	0.43	15	1.55	4.53	21.16	0.14		0.14	0.13		0.13	0.04	4035.27	1.24	0.10		179.33	1.38	3.94	19.13	0.12		0.12	0.11		0.11	0.04	3963.69	1.23	0.10	
2	7	a	2-7-a	2-7-aCat 140M3 Grader	2	4	250	200	0.41	7	0.29	0.89	2.09	0.02		0.02	0.02		0.02	0.01	726.30	0.22	0.02		32.28	0.28	0.85	2.04	0.02		0.02	0.02		0.02	0.01	714.24	0.22	0.02	
2	7	a	2-7-a	2-7-aCat 374 F L	1	2	500	472	0.38	5	0.08	0.22	0.95	0.01		0.01	0.01		0.01	0.00	394.86	0.12	0.01		17.55	0.07	0.21	0.91	0.01		0.01	0.00		0.00	0.00	388.74	0.12	0.01	
2	7	a	2-7-a	2-7-a825 Compactors	3	8	500	354	0.43	10	1.55	4.53	21.16	0.14		0.14	0.13		0.13	0.04	4035.27	1.24	0.10		179.33	1.38	3.94	19.13	0.12		0.12	0.11		0.11	0.04	3963.69	1.23	0.10	
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	5	1.04	2.64	11.21	0.08		0.08	0.07		0.07	0.03	3215.34	0.98	0.08		142.90	0.92	2.22	10.00	0.07		0.07	0.06		0.06	0.03	3164.49	0.98	0.08	
2	7	a	2-7-a	2-7-aWheel Loader 986 H	2	8	500	409	0.36	5	0.96	2.49	10.75	0.08		0.08	0.07		0.07	0.03	2569.54	0.79	0.07		114.19	0.87	2.18	9.75	0.07		0.07	0.06		0.06	0.03	2529.32	0.79	0.06	
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	5	8	120	106	0.37	55	0.86	1.57	13.03	0.05		0.05	0.05		0.05	0.02	1731.92	0.53	0.04		76.97	0.72	1.36	12.72	0.04		0.04	0.04		0.04	0.02	1702.05	0.53	0.04	
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	3	8	500	282	0.50	55	0.62	1.99	8.39	0.06		0.06	0.05		0.05	0.04	3669.86	1.12	0.09		163.09	0.51	1.95	7.74	0.06		0.06	0.03		0.03	0.04	3641.57	1.13	0.09	
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	55	0.73	1.80	6.51	0.05		0.05	0.04		0.04	0.03	3486.03	0.13	0.09		154.92	0.69	1.61	6.39	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09	
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	6	500	470	0.74	55	0.55	1.35	4.89	0.04		0.04	0.03		0.03	0.02	2614.52	0.10	0.07		116.19	0.52	1.21	4.79	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07	
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	2	8	175	174	0.42	42	0.50	1.24	7.81	0.04		0.04	0.04		0.04	0.01	1272.16	0.39	0.03		56.54	0.43	1.07	7.75	0.03		0.03	0.03		0.03	0.01	1252.67	0.39	0.03	
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	42	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	35	0.73	1.80	6.51	0.05		0.05	0.04		0.04	0.03	3486.03	0.13	0.09		154.92	0.69	1.61	6.39	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	2	8	500	282	0.29	198	0.59	1.68	10.17	0.06		0.06	0.05		0.05	0.01	1428.43	0.44	0.04		63.48	0.53	1.49	9.13	0.05		0.05	0.04		0.04	0.01	1406.80	0.44	0.04	
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	198	0.29	0.84	5.08	0.03		0.03	0.03		0.03	0.01	714.21	0.22	0.02		31.74	0.26	0.74	4.57	0.02		0.02	0.02		0.02	0.01	703.40	0.22	0.02	
2	8	a	2-8-a	2-8-aScrapers Cat 657	3	8	750	600	0.48	10	2.49	7.24	35.14	0.22		0.22	0.20		0.20	0.08	7637.25	2.34	0.20		339.41	2.25	6.43	30.09	0.19		0.19	0.17		0.17	0.08	7512.97	2.34	0.19	
2	8	a	2-8-a	2-8-aDozer D9T	3	8	500	354	0.43	15	1.55	4.53	21.16	0.14		0.14	0.13		0.13	0.04	4035.27	1.24	0.10		179.33	1.38	3.94	19.13	0.12		0.12	0.11		0.11	0.04	3963.69	1.23	0.10	
2	8	a	2-8-a	2-8-aCat 140M3 Grader	2	4	250	200	0.41	7	0.29	0.89	2.09	0.02		0.02	0.02		0.02	0.01	726.30	0.22	0.02		32.28	0.28	0.85	2.04	0.02		0.02	0.02		0.02	0.01	714.24	0.22	0.02	
2	8	a	2-8-a	2-8-aCat 374 F L	1	2	500	472	0.38	5	0.08	0.22	0.95	0.01		0.01	0.01		0.01	0.00	394.86	0.12	0.01		17.55	0.07	0.21	0.91	0.01		0.01	0.00		0.00	0.00	388.74	0.12	0.01	
2	8	a	2-8-a	2-8-a825 Compactors	3	8	500	354	0.43	10	1.55	4.53	21.16	0.14		0.14	0.13		0.13	0.04	4035.27	1.24	0.10		179.33	1.38	3.94	19.13	0.12		0.12	0.11		0.11	0.04	3963.69	1.23	0.10	
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	2	8	500	476	0.38	5	1.04	2.64	11.21	0.08		0.08	0.07		0.07	0.03	3215.34	0.98	0.08		142.90	0.92	2.22	10.00	0.07		0.07	0.06		0.06	0.03	3164.49	0.98	0.08	
2	8	a	2-8-a	2-8-aWheel Loader 986 H	2	8	500	409	0.36	5	0.96	2.49	10.75	0.08		0.08	0.07		0.07	0.03	2569.54	0.79	0.07		114.19	0.87	2.18	9.75	0.07		0.07	0.06		0.06	0.03	2529.32	0.79	0.06	
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	3	8	120	106	0.37	57	0.52	0.94	7.82	0.03		0.03	0.03		0.03	0.01	1039.15	0.32	0.03		46.18	0.43	0.81	7.63	0.03		0.03	0.02		0.02	0.01	1021.23	0.32	0.03	
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1	8	500	470	0.74	57	0.73	1.80	6.51	0.05		0.05	0.04		0.04	0.03	3486.03	0.13	0.09		154.92	0.69	1.61	6.39	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09	
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	1	8	500	282	0.50	57	0.21	0.66	2.80	0.02		0.02	0.02		0.02	0.01	1223.29	0.37	0.03		54.36	0.17	0.65	2.58	0.02		0.02	0.01		0.01	0.01	1213.86	0.38	0.03	
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	55	1.47	3.59	13.03	0.10		0.10	0.09		0.09	0.06	6972.05	0.26	0.18		309.85	1.39	3.22	12.77	0.10		0.10	0.08		0.08	0.06	6972.05	0.25	0.18	
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	5	4	50	49	0.48	38	1.54	5.05	5.81	0.38		0.38	0.38		0.38	0.01	589.36	0.14	0.02		26.19	1.35	4.88	5.64	0.34		0.34	0.34		0.34	0.01	589.36	0.12	0.02	
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	5	4	175	174	0.42	38	0.62	1.55	9.76	0.05		0.05	0.04		0.04	0.02	1590.20	0.49	0.04		70.67	0.54	1.34	9.69	0.04		0.04	0.04		0.04	0.02	1565.84	0.49	0.04	
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	2	8	500	470	0.74	40	1.47	3.59	13.03	0.10		0.10	0.09		0.09	0.06	6972.05	0.26	0.18		309.85	1.39	3.22	12.77	0.10		0.10	0.08		0.08	0.06	6972.05	0.25	0.18	
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	1	8	500	282	0.29	170	0.29	0.84	5.08	0.03		0.03	0.03		0.03	0.01	714.21	0.22	0.02		31.74	0.26	0.74	4.57	0.02		0.02	0.02		0.02	0.01	703.40	0.22	0.02	

Construction - Mitigated Tier 4

Equipment Emission Calcs

Parcel	Phase	Activity	Sch Code	lookup for daily	Fuel (Gal/Day)	ROG (Pounds per day, 2019)	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel (Gal/Day)	ROG (Pounds per day, 2020)	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel (Gal/Day)	ROG	NOX	CO	PM10 Ex
5	1	a	5-1-a	5-1-aScrapers Cat 657G	333.89	2.12	5.89	28.01	0.17		0.17	0.16		0.16	0.08	7390.74	2.34	0.19		328.46	2.01	5.36	26.42	0.16		0.16	0.15		0.15	0.08	7225.06	2.34	0.19		321.09	1.92	4.95	25.39	0.15
5	1	a	5-1-a	5-1-aDozer D9T	117.44	0.85	2.36	11.88	0.07		0.07	0.07		0.07	0.03	2601.52	0.82	0.07		115.62	0.81	2.17	11.18	0.07		0.07	0.06		0.06	0.03	2544.60	0.82	0.07		113.09	0.76	1.97	10.84	0.06
5	1	a	5-1-a	5-1-aExcavator 374 FL	34.55	0.13	0.41	1.77	0.01		0.01	0.01		0.01	0.01	764.97	0.24	0.02		34.00	0.12	0.41	1.75	0.01		0.01	0.01		0.01	0.01	747.58	0.24	0.02		33.22	0.11	0.41	1.73	0.01
5	1	a	5-1-a	5-1-a825 Compactors	117.44	0.85	2.36	11.88	0.07		0.07	0.07		0.07	0.03	2601.52	0.82	0.07		115.62	0.81	2.17	11.18	0.07		0.07	0.06		0.06	0.03	2544.60	0.82	0.07		113.09	0.76	1.97	10.84	0.06
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	45.39	0.38	0.72	7.52	0.02		0.02	0.02		0.02	0.01	1004.14	0.32	0.03		44.63	0.34	0.65	7.44	0.02		0.02	0.02		0.02	0.01	982.03	0.32	0.03		43.64	0.31	0.59	7.38	0.02
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	107.89	0.32	1.30	5.17	0.04		0.04	0.02		0.02	0.02	2384.51	0.75	0.06		105.97	0.31	1.30	5.06	0.04		0.04	0.02		0.02	0.02	2333.41	0.75	0.06		103.70	0.30	1.30	5.07	0.04
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.49	1.20	4.72	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07		116.19	0.47	1.20	4.68	0.04		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.43	1.20	4.63	0.04
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	55.67	0.38	0.93	7.68	0.03		0.03	0.03		0.03	0.01	1232.45	0.39	0.03		54.77	0.35	0.83	7.67	0.03		0.03	0.02		0.02	0.01	1205.38	0.39	0.03		53.57	0.33	0.77	7.69	0.02
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	31.43	1.41	5.66	6.57	0.36		0.36	0.36		0.36	0.01	707.23	0.13	0.02		31.43	1.25	5.47	6.43	0.31		0.31	0.31		0.31	0.01	707.23	0.11	0.02		31.43	1.10	5.25	6.25	0.26
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	0.66	1.59	6.30	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09		154.93	0.62	1.59	6.24	0.05		0.05	0.03		0.03	0.03	3486.03	0.11	0.09		154.93	0.58	1.59	6.18	0.05
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	31.26	0.25	0.69	4.25	0.02		0.02	0.02		0.02	0.01	692.30	0.22	0.02		30.77	0.23	0.62	3.81	0.02		0.02	0.02		0.02	0.01	677.13	0.22	0.02		30.09	0.21	0.55	3.51	0.02
4	2	a	4-2-a	4-2-aScrapers Cat 657G	445.19	2.83	7.85	37.35	0.23		0.23	0.21		0.21	0.10	9854.32	3.12	0.25		437.94	2.68	7.15	35.22	0.21		0.21	0.19		0.19	0.10	9633.41	3.12	0.25		428.12	2.56	6.61	33.85	0.20
4	2	a	4-2-a	4-2-aDozer D9T	234.87	1.71	4.72	23.77	0.15		0.15	0.14		0.14	0.05	5203.04	1.65	0.13		231.23	1.61	4.35	22.35	0.14		0.14	0.13		0.13	0.05	5089.20	1.65	0.13		226.17	1.52	3.93	21.68	0.13
4	2	a	4-2-a	4-2-aCat 140M3 Grader	31.74	0.26	0.79	1.96	0.02		0.02	0.02		0.02	0.01	701.11	0.22	0.02		31.16	0.25	0.76	1.93	0.02		0.02	0.02		0.02	0.01	685.22	0.22	0.02		30.45	0.24	0.71	1.88	0.02
4	2	a	4-2-a	4-2-aCat 374 F L	34.55	0.13	0.41	1.77	0.01		0.01	0.01		0.01	0.01	764.97	0.24	0.02		34.00	0.12	0.41	1.75	0.01		0.01	0.01		0.01	0.01	747.58	0.24	0.02		33.22	0.11	0.41	1.73	0.01
4	2	a	4-2-a	4-2-a825 Compactors	234.87	1.71	4.72	23.77	0.15		0.15	0.14		0.14	0.05	5203.04	1.65	0.13		231.23	1.61	4.35	22.35	0.14		0.14	0.13		0.13	0.05	5089.20	1.65	0.13		226.17	1.52	3.93	21.68	0.13
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	140.64	0.84	1.92	9.51	0.06		0.06	0.05		0.05	0.03	3112.40	0.98	0.08		138.32	0.79	1.69	9.07	0.05		0.05	0.05		0.05	0.03	3043.12	0.98	0.08		135.24	0.72	1.67	8.58	0.05
4	2	a	4-2-a	4-2-aWheel Loader 986 H	112.41	0.80	1.92	9.00	0.06		0.06	0.05		0.05	0.03	2490.02	0.79	0.06		110.66	0.75	1.76	8.51	0.05		0.05	0.05		0.05	0.03	2436.47	0.79	0.06		108.28	0.69	1.53	7.98	0.05
4	2	b	4-2-b	4-2-bKomatsu PC360LC	138.21	0.52	1.65	7.08	0.05		0.05	0.03		0.03	0.03	3059.88	0.97	0.08		135.99	0.49	1.65	7.00	0.05		0.05	0.03		0.03	0.03	2990.31	0.97	0.08		132.89	0.45	1.65	6.92	0.05
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	161.84	0.48	1.95	7.76	0.06		0.06	0.03		0.03	0.04	3576.77	1.13	0.09		158.96	0.47	1.95	7.59	0.06		0.06	0.03		0.03	0.04	3500.11	1.13	0.09		155.55	0.45	1.95	7.61	0.06
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	75.64	0.63	1.21	12.53	0.04		0.04	0.03		0.03	0.02	1673.57	0.53	0.04		74.38	0.57	1.09	12.41	0.03		0.03	0.03		0.03	0.02	1636.71	0.53	0.04		72.74	0.51	0.98	12.30	0.03
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.49	1.20	4.72	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07		116.19	0.47	1.20	4.68	0.04		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.43	1.20	4.63	0.04
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	55.67	0.38	0.93	7.68	0.03		0.03	0.03		0.03	0.01	1232.45	0.39	0.03		54.77	0.35	0.83	7.67	0.03		0.03	0.02		0.02	0.01	1205.38	0.39	0.03		53.57	0.33	0.77	7.69	0.02
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	0.66	1.59	6.30	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09		154.93	0.62	1.59	6.24	0.05		0.05	0.03		0.03	0.03	3486.03	0.11	0.09		154.93	0.58	1.59	6.18	0.05
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	125.04	1.00	2.76	17.02	0.09		0.09	0.08		0.08	0.03	2769.18	0.88	0.07		123.07	0.92	2.48	15.25	0.08		0.08	0.07		0.07	0.03	2708.52	0.88	0.07		120.37	0.85	2.21	14.03	0.07
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	31.26	0.25	0.69	4.25	0.02		0.02	0.02		0.02	0.01	692.30	0.22	0.02		30.77	0.23	0.62	3.81	0.02		0.02	0.02		0.02	0.01	677.13	0.22	0.02		30.09	0.21	0.55	3.51	0.02
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	75.64	0.63	1.21	12.53	0.04		0.04	0.03		0.03	0.02	1673.57	0.53	0.04		74.38	0.57	1.09	12.41	0.03		0.03	0.03		0.03	0.02	1636.71	0.53	0.04		72.74	0.51	0.98	12.30	0.03
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	161.84	0.48	1.95	7.76	0.06		0.06	0.03		0.03	0.04	3576.77	1.13	0.09		158.96	0.47	1.95	7.59	0.06		0.06	0.03		0.03	0.04	3500.11	1.13	0.09		155.55	0.45	1.95	7.61	0.06
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	0.66	1.59	6.30	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09		154.93	0.62	1.59	6.24	0.05		0.05	0.03		0.03	0.03	3486.03	0.11	0.09		154.93	0.58	1.59	6.18	0.05
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.49	1.20	4.72	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07		116.19	0.47	1.20	4.68	0.04		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.43	1.20	4.63	0.04
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	55.67	0.38	0.93	7.68	0.03		0.03	0.03		0.03	0.01	1232.45	0.39	0.03		54.77	0.35	0.83	7.67	0.03		0.03	0.02		0.02	0.01	1205.38	0.39	0.03		53.57	0.33	0.77	7.69	0.02
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	0.66	1.59	6.30	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09		154.93	0.62	1.59	6.24	0.05		0.05	0.03		0.03	0.03	3486.03	0.11	0.09		154.93	0.58	1.59	6.18	0.05
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	62.52	0.50	1.38	8.51	0.05		0.05	0.04		0.04	0.01	1384.59	0.44	0.04		61.53	0.46	1.24	7.62	0.04		0.04	0.04		0.04	0.01	1354.26	0.44	0.03		60.19	0.42	1.11	7.02	0.04
4	4	a	4-4-a	4-4-aScrapers Cat 657G	333.89	2.12	5.89	28.01	0.17		0.17	0.16		0.16	0.08	7390.74	2.34	0.19		328.46	2.01	5.36	26.42	0.16		0.16	0.15		0.15	0.08	7225.06	2.34	0.19		321.09	1.92	4.95	25.39	0.15
4	4	a	4-4-a	4-4-aDozer D9T	176.15	1.28	3.54	17.83	0.11		0.11	0.10		0.10	0.04	3902.28	1.23	0.10		173.42	1.21	3.26	16.77	0.10		0.10	0.09		0.09	0.04	3816.90	1.23	0.10		169.63	1.14	2.95	16.26	0.09
4	4	a	4-4-a	4-4-aCat 140M3 Grader	15.87	0.13	0.39	0.98	0.01		0.01	0.01		0.01	0.00	350.56	0.11	0.01		15.58	0.13	0.38	0.97	0.01		0.01	0.01		0.01	0.00	342.61	0.11	0.01		15.23	0.12	0.35	0.94	0.01
4	4	a	4-4-a	4-4-aCat 374 F L	17.28	0.06	0.21	0.89	0.01		0.01	0.00		0.00	0.00	382.48	0.12	0.01		17.00	0.06	0.21	0.88	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.06	0.21	0.86	0.01
4	4	a	4-4-a	4-4-a825 Compactors	117.44	0.85	2.36	11.88	0.07		0.07	0.07		0.07	0.03	2601.52	0.82	0.07		115.62	0.81	2.17	11.18	0.07		0.07	0.06		0.06	0.03	2544.60	0.82	0.07		113.09	0.76	1.97	10.84	0.06
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	70.32	0.42	0.96	4.76	0.03		0.03	0.03		0.03	0.02	1556.20	0.49	0.04		69.16	0.39	0.84	4.53	0.03		0.03	0.02		0.02	0.02	1521.56	0.49	0.04		67.62	0.36	0.83	4.29	0.03
4	4	a	4-4-a	4-4-aWheel Loader 986 H	56.20	0.40	0.96	4.50	0.03		0.03	0.03		0.03	0.01	1245.01	0.39	0.03		55.33	0.38	0.88	4.26	0.03		0.03	0.02		0.02	0.01	1218.24	0.39	0.03		54.14	0.34	0.76	3.99	0.02
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	75.64	0.63	1.21	12.53	0.04		0.04	0.03		0.03	0.02	1673.57	0.53	0.04		74.38	0.57	1.09	12.41	0.03		0.03	0.03		0.03	0.02	1636.71	0.53	0.04		72.74	0.51	0.98	12.30	0.03
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	161.84	0.48	1.95	7.76	0.06		0.06	0.03		0.03	0.04	3576.77	1.13	0.09		158.96	0.47	1.95	7.59	0.06		0.06	0.03		0.03	0.04	3500.11	1.13	0.09		155.55	0.45	1.95	7.61	0.06
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	0.66	1.59	6.30	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09		154.93	0.62	1.59	6.24	0.05		0.05	0.03		0.03	0.03	3486.03	0.11	0.09		154.93	0.58	1.59	6.18	0.05
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.49	1.20	4.72	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07		116.19	0.47	1.20	4.68	0.04		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.43	1.20	4.63	0.04
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	55.67	0.38	0.93	7.68	0.03		0.03	0.03		0.03	0.01	1232.45	0.39	0.03		54.77	0.35	0.83	7.67	0.03		0.03	0.02		0.02	0.01	1205.38	0.39	0.03		53.57	0.33	0.77	7.69	0.02
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	0.66	1.59	6.30	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09		154.93	0.62	1.59	6.24	0.05		0.05	0.03		0.03	0.03	3486.03	0.11	0.09		154.93	0.58	1.59	6.18	0.05
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	93.78	0.75	2.07	12.76	0.07		0.07	0.06		0.06	0.02	2076.89	0.66	0.05		92.30	0.69	1.86	11.44	0.06		0.06	0.06		0.06	0.02	2031.39	0.66	0.05		90.28	0.63	1.66	10.52	0.05
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	445.19	2.83	7.85	37.35	0.23		0.23	0.21		0.21	0.10	9854.32	3.12	0.25		437.94	2.68	7.15	35.22	0.21		0.21	0.19		0.19	0.10	9633.41	3.12	0.25		428.12	2.56	6.61	33.85	0.20
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	234.87	1.71	4.72	23.77	0.15		0.15	0.14		0.14	0.05	5203.04	1.65	0.13		231.23	1.61	4.35	22.35	0.14		0.14	0.13		0.13	0.05	5089.20	1.65	0.13		226.17	1.52	3.93	21.68	0.13
3	2	a	3-2-a	3-2-aScrapers Cat 657	222.59	1.41	3.93	18.67	0.11		0.11	0.11		0.11	0.05	4927.16	1.56	0.13		218.97	1.34	3.58	17.61	0.11		0.11	0.10		0.10	0.05	4816.71	1.56	0.12		214.06	1.28	3.30	16.92	0.10
3	2	a	3-2-a	3-2-aDozer D9T	117.44	0.85	2.36	11.88	0.07		0.07	0.07		0.07	0.03	2601.52	0.82	0.07		115.62	0.81	2.17	11.18	0.07		0.07	0.06		0.06	0.03	2544.60	0.82	0.07		113.09	0.76	1.97	10.84	0.06
3	2	a	3-2-a	3-2-aCat 140M3 Grader	31.74	0.26	0.79	1.96	0.02		0.02	0.02		0.02	0.01	701.11	0.22	0.02		31.16	0.25	0.76	1.93	0.02		0.02	0.02		0.02	0.01	685.22	0.22	0.02		30.45	0.24	0.71	1.88	0.02
3	2	a	3-2-a	3-2-aCat 374 F L	34.55	0.13	0.41	1.77	0.01		0.01	0.01		0.01	0.01	764.97	0.24	0.02		34.00	0.12	0.41	1.75	0.01		0.01	0.01		0.01	0.01	747.58	0.24	0.02		33.22	0.11	0.41	1.73	0.01
3	2	a	3-2-a	3-2-a825 Compactors	117.44	0.85	2.36	11.88	0.07		0.07	0.07		0.07	0.03	2601.52	0.82	0.07		115.62	0.81	2.17	11.18	0.07		0.07	0.06		0.06	0.03	2544.60	0.82	0.07		113.09	0.76	1.97	10.84	0.06
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	140.64	0.84	1.92	9.51	0.06		0.06	0.05		0.05	0.03	3112.40	0.98	0.08		138.32	0.79	1.69	9.07	0.05		0.05	0.05		0.05	0.03	3043.12	0.98	0.08		135.24	0.72	1.67	8.58	0.05
3	2	a	3-2-a	3-2-aWheel Loader 986 H	112.41	0.80	1.92	9.00	0.06		0.06	0.05		0.05	0.03	2490.02	0.79	0.06		110.66	0.75	1.76	8.51	0.05		0.05	0.05		0.05	0.03	2436.47	0.79	0.06		108.28	0.69	1.53	7.98	0.05
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	75.64	0.63	1.21	12.53	0.04		0.04	0.03		0.03	0.02	1673.57	0.53	0.04		74.38	0.57	1.09	12.41	0.03		0.03	0.03		0.03	0.02	1636.71	0.53	0.04		72.74	0.51	0.98	12.30	0.03
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	161.84	0.48	1.95	7.76	0.06		0.06	0.03		0.03	0.04	3576.77	1.13	0.09		158.96	0.47	1.95	7.59	0.06		0.06	0.03		0.03	0.04	3500.11	1.13	0.09		155.55	0.45	1.95	7.61	0.06
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	0.66	1.59	6.30	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09		154.93	0.62	1.59	6.24	0.05		0.05	0.03		0.03	0.03	3486.03	0.11	0.09		154.93	0.58	1.59	6.18	0.05
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.49	1.20	4.72	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07		116.19	0.47	1.20	4.68	0.04		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.43	1.20	4.63	0.04
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	55.67	0.38	0.93	7.68	0.03		0.03	0.03		0.03	0.01	1232.45	0.39	0.03		54.77	0.35	0.83	7.67	0.03		0.03	0.02		0.02	0.01	1205.38	0.39	0.03		53.57	0.33	0.77	7.69	0.02
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	1.31	3.19	12.60	0.10		0.10	0.07		0.07	0.06	6972.07	0.23	0.18		309.85	1.25	3.19	12.48	0.10		0.10	0.06		0.06	0.06	6972.07	0.22	0.18		309.85	1.16	3.19	12.35	0.10
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	62.52	0.50	1.38	8.51	0.05		0.05	0.04		0.04	0.01	1384.59	0.44	0.04		61.53	0.46	1.24	7.62	0.04		0.04	0.04		0.04	0.01	1354.26	0.44	0.03		60.19	0.42	1.11	7.02	0.04
1	6	a	1-6-a	1-6-aScrapers Cat 657	333.89	2.12	5.89	28.01	0.17		0.17	0.16		0.16	0.08	7390.74	2.34	0.19		328.46	2.01	5.36	26.42	0.16		0.16	0.15		0.15	0.08	7225.06	2.34	0.19		321.09	1.92	4.95	25.39	0.15
1	6	a	1-6-a	1-6-aDozer D9T	176.15	1.28	3.54	17.83	0.11		0.11	0.10		0.10	0.04	3902.28	1.23	0.10		173.42	1.21	3.26	16.77	0.10		0.10	0.09		0.09	0.04	3816.90	1.23	0.10		169.63	1.14	2.95	16.26	0.09
1	6	a	1-6-a	1-6-aCat 140M3 Grader	31.74	0.26	0.79	1.96	0.02		0.02	0.02		0.02	0.01	701.11	0.22	0.02		31.16	0.25	0.76	1.93	0.02		0.02	0.02		0.02	0.01	685.22	0.22	0.02		30.45	0.24	0.71	1.88	0.02
1	6	a	1-6-a	1-6-aCat 374 F L	17.28	0.06	0.21	0.89	0.01		0.01	0.00		0.00	0.00	382.48	0.12	0.01		17.00	0.06	0.21	0.88	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.06	0.21	0.86	0.01
1	6	a	1-6-a	1-6-a825 Compactors	176.15	1.28	3.54	17.83	0.11		0.11	0.10		0.10	0.04	3902.28	1.23	0.10		173.42	1.21	3.26	16.77	0.10		0.10	0.09		0.09	0.04	3816.90	1.23	0.10		169.63	1.14	2.95	16.26	0.09
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	140.64	0.84	1.92	9.51	0.06		0.06	0.05		0.05	0.03	3112.40	0.98	0.08		138.32	0.79	1.69	9.07	0.05		0.05	0.05		0.05	0.03	3043.12	0.98	0.08		135.24	0.72	1.67	8.58	0.05
1	6	a	1-6-a	1-6-aWheel Loader 986 H	112.41	0.80	1.92	9.00	0.06		0.06	0.05		0.05	0.03	2490.02	0.79	0.06		110.66	0.75	1.76	8.51	0.05		0.05	0.05		0.05	0.03	2436.47	0.79	0.06		108.28	0.69	1.53	7.98	0.05
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	75.64	0.63	1.21	12.53	0.04		0.04	0.03		0.03	0.02	1673.57	0.53	0.04		74.38	0.57	1.09	12.41	0.03		0.03	0.03		0.03	0.02	1636.71	0.53	0.04		72.74	0.51	0.98	12.30	0.03
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	161.84	0.48	1.95	7.76	0.06		0.06	0.03		0.03	0.04	3576.77	1.13	0.09		158.96	0.47	1.95	7.59	0.06		0.06	0.03		0.03	0.04	3500.11	1.13	0.09		155.55	0.45	1.95	7.61	0.06
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	0.66	1.59	6.30	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09		154.93	0.62	1.59	6.24	0.05		0.05	0.03		0.03	0.03	3486.03	0.11	0.09		154.93	0.58	1.59	6.18	0.05
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.49	1.20	4.72	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07		116.19	0.47	1.20	4.68	0.04		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.43	1.20	4.63	0.04
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	55.67	0.38	0.93	7.68	0.03		0.03	0.03		0.03	0.01	1232.45	0.39	0.03		54.77	0.35	0.83	7.67	0.03		0.03	0.02		0.02	0.01	1205.38	0.39	0.03		53.57	0.33	0.77	7.69	0.02
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	1.31	3.19	12.60	0.10		0.10	0.07		0.07	0.06	6972.07	0.23	0.18		309.85	1.25	3.19	12.48	0.10		0.10	0.06		0.06	0.06	6972.07	0.22	0.18		309.85	1.16	3.19	12.35	0.10
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	93.78	0.75	2.07	12.76	0.07		0.07	0.06		0.06	0.02	2076.89	0.66	0.05		92.30	0.69	1.86	11.44	0.06		0.06	0.06		0.06	0.02	2031.39	0.66	0.05		90.28	0.63	1.66	10.52	0.05
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	31.26	0.25	0.69	4.25	0.02		0.02	0.02		0.02	0.01	692.30	0.22	0.02		30.77	0.23	0.62	3.81	0.02		0.02	0.02		0.02	0.01	677.13	0.22	0.02		30.09	0.21	0.55	3.51	0.02
2	7	a	2-7-a	2-7-aScrapers Cat 657	333.89	2.12	5.89	28.01	0.17		0.17	0.16		0.16	0.08	7390.74	2.34	0.19		328.46	2.01	5.36	26.42	0.16		0.16	0.15		0.15	0.08	7225.06	2.34	0.19		321.09	1.92	4.95	25.39	0.15
2	7	a	2-7-a	2-7-aDozer D9T	176.15	1.28	3.54	17.83	0.11		0.11	0.10		0.10	0.04	3902.28	1.23	0.10		173.42	1.21	3.26	16.77	0.10		0.10	0.09		0.09	0.04	3816.90	1.23	0.10		169.63	1.14	2.95	16.26	0.09
2	7	a	2-7-a	2-7-aCat 140M3 Grader	31.74	0.26	0.79	1.96	0.02		0.02	0.02		0.02	0.01	701.11	0.22	0.02		31.16	0.25	0.76	1.93	0.02		0.02	0.02		0.02	0.01	685.22	0.22	0.02		30.45	0.24	0.71	1.88	0.02
2	7	a	2-7-a	2-7-aCat 374 F L	17.28	0.06	0.21	0.89	0.01		0.01	0.00		0.00	0.00	382.48	0.12	0.01		17.00	0.06	0.21	0.88	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.06	0.21	0.86	0.01
2	7	a	2-7-a	2-7-a825 Compactors	176.15	1.28	3.54	17.83	0.11		0.11	0.10		0.10	0.04	3902.28	1.23	0.10		173.42	1.21	3.26	16.77	0.10		0.10	0.09		0.09	0.04	3816.90	1.23	0.10		169.63	1.14	2.95	16.26	0.09
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	140.64	0.84	1.92	9.51	0.06		0.06	0.05		0.05	0.03	3112.40	0.98	0.08		138.32	0.79	1.69	9.07	0.05		0.05	0.05		0.05	0.03	3043.12	0.98	0.08		135.24	0.72	1.67	8.58	0.05
2	7	a	2-7-a	2-7-aWheel Loader 986 H	112.41	0.80	1.92	9.00	0.06		0.06	0.05		0.05	0.03	2490.02	0.79	0.06		110.66	0.75	1.76	8.51	0.05		0.05	0.05		0.05	0.03	2436.47	0.79	0.06		108.28	0.69	1.53	7.98	0.05
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	75.64	0.63	1.21	12.53	0.04		0.04	0.03		0.03	0.02	1673.57	0.53	0.04		74.38	0.57	1.09	12.41	0.03		0.03	0.03		0.03	0.02	1636.71	0.53	0.04		72.74	0.51	0.98	12.30	0.03
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	161.84	0.48	1.95	7.76	0.06		0.06	0.03		0.03	0.04	3576.77	1.13	0.09		158.96	0.47	1.95	7.59	0.06		0.06	0.03		0.03	0.04	3500.11	1.13	0.09		155.55	0.45	1.95	7.61	0.06
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	0.66	1.59	6.30	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09		154.93	0.62	1.59	6.24	0.05		0.05	0.03		0.03	0.03	3486.03	0.11	0.09		154.93	0.58	1.59	6.18	0.05
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.49	1.20	4.72	0.04		0.04	0.03		0.03	0.02	2614.52	0.09	0.07		116.19	0.47	1.20	4.68	0.04		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.43	1.20	4.63	0.04
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	55.67	0.38	0.93	7.68	0.03		0.03	0.03		0.03	0.01	1232.45	0.39	0.03		54.77	0.35	0.83	7.67	0.03		0.03	0.02		0.02	0.01	1205.38	0.39	0.03		53.57	0.33	0.77	7.69	0.02
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	0.66	1.59	6.30	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09		154.93	0.62	1.59	6.24	0.05		0.05	0.03		0.03	0.03	3486.03	0.11	0.09		154.93	0.58	1.59	6.18	0.05
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	62.52	0.50	1.38	8.51	0.05		0.05	0.04		0.04	0.01	1384.59	0.44	0.04		61.53	0.46	1.24	7.62	0.04		0.04	0.04		0.04	0.01	1354.26	0.44	0.03		60.19	0.42	1.11	7.02	0.04
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	31.26	0.25	0.69	4.25	0.02		0.02	0.02		0.02	0.01	692.30	0.22	0.02		30.77	0.23	0.62	3.81	0.02		0.02	0.02		0.02	0.01	677.13	0.22	0.02		30.09	0.21	0.55	3.51	0.02
2	8	a	2-8-a	2-8-aScrapers Cat 657	333.89	2.12	5.89	28.01	0.17		0.17	0.16		0.16	0.08	7390.74	2.34	0.19		328.46	2.01	5.36	26.42	0.16		0.16	0.15		0.15	0.08	7225.06	2.34	0.19		321.09	1.92	4.95	25.39	0.15
2	8	a	2-8-a	2-8-aDozer D9T	176.15	1.28	3.54	17.83	0.11		0.11	0.10		0.10	0.04	3902.28	1.23	0.10		173.42	1.21	3.26	16.77	0.10		0.10	0.09		0.09	0.04	3816.90	1.23	0.10		169.63	1.14	2.95	16.26	0.09
2	8	a	2-8-a	2-8-aCat 140M3 Grader	31.74	0.26	0.79	1.96	0.02		0.02	0.02		0.02	0.01	701.11	0.22	0.02		31.16	0.25	0.76	1.93	0.02		0.02	0.02		0.02	0.01	685.22	0.22	0.02		30.45	0.24	0.71	1.88	0.02
2	8	a	2-8-a	2-8-aCat 374 F L	17.28	0.06	0.21	0.89	0.01		0.01	0.00		0.00	0.00	382.48	0.12	0.01		17.00	0.06	0.21	0.88	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.06	0.21	0.86	0.01
2	8	a	2-8-a	2-8-a825 Compactors	176.15	1.28	3.54	17.83	0.11		0.11	0.10		0.10	0.04	3902.28	1.23	0.10		173.42	1.21	3.26	16.77	0.10		0.10	0.09		0.09	0.04	3816.90	1.23	0.10		169.63	1.14	2.95	16.26	0.09
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	140.64	0.84	1.92	9.51	0.06		0.06	0.05		0.05	0.03	3112.40	0.98	0.08		138.32	0.79	1.69	9.07	0.05		0.05	0.05		0.05	0.03	3043.12	0.98	0.08		135.24	0.72	1.67	8.58	0.05
2	8	a	2-8-a	2-8-aWheel Loader 986 H	112.41	0.80	1.92	9.00	0.06		0.06	0.05		0.05	0.03	2490.02	0.79	0.06		110.66	0.75	1.76	8.51	0.05		0.05	0.05		0.05	0.03	2436.47	0.79	0.06		108.28	0.69	1.53	7.98	0.05
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	45.39	0.38	0.72	7.52	0.02		0.02	0.02		0.02	0.01	1004.14	0.32	0.03		44.63	0.34	0.65	7.44	0.02		0.02	0.02		0.02	0.01	982.03	0.32	0.03		43.64	0.31	0.59	7.38	0.02
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	0.66	1.59	6.30	0.05		0.05	0.04		0.04	0.03	3486.03	0.12	0.09		154.93	0.62	1.59	6.24	0.05		0.05	0.03		0.03	0.03	3486.03	0.11	0.09		154.93	0.58	1.59	6.18	0.05
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	53.95	0.16	0.65	2.59	0.02		0.02	0.01		0.01	0.01	1192.26	0.38	0.03		52.99	0.16	0.65	2.53	0.02		0.02	0.01		0.01	0.01	1166.70	0.38	0.03		51.85	0.15	0.65	2.54	0.02
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	1.31	3.19	12.60	0.10		0.10	0.07		0.07	0.06	6972.07	0.23	0.18		309.85	1.25	3.19	12.48	0.10		0.10	0.06		0.06	0.06	6972.07	0.22	0.18		309.85	1.16	3.19	12.35	0.10
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	1.17	4.71	5.48	0.30		0.30	0.30		0.30	0.01	589.36	0.10	0.02		26.19	1.04	4.56	5.36	0.26		0.26	0.26		0.26	0.01	589.36	0.09	0.02		26.19	0.92	4.38	5.21	0.22
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	69.59	0.48	1.16	9.60	0.04		0.04	0.03		0.03	0.02	1540.57	0.49	0.04		68.47	0.43	1.04	9.59	0.03		0.03	0.03		0.03	0.02	1506.73	0.49	0.04		66.96	0.41	0.96	9.61	0.03
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	1.31	3.19	12.60	0.10		0.10	0.07		0.07	0.06	6972.07	0.23	0.18		309.85	1.25	3.19	12.48	0.10		0.10	0.06		0.06	0.06	6972.07	0.22	0.18		309.85	1.16	3.19	12.35	0.10
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	31.26	0.25	0.69	4.25	0.02		0.02	0.02		0.02	0.01	692.30	0.22	0.02		30.77	0.23	0.62	3.81	0.02		0.02	0.02		0.02	0.01	677.13	0.22	0.02		30.09	0.21	0.55	3.51	0.02

Construction - Mitigated Tier 4

Equipment Emission Calcs

					Pounds per day										Gal/Day	Pounds per day														Gal/Day	Pounds per day								
					2021											2022															2023								
Parcel	Phase	Activity	Sch Code	lookup for daily	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T
5	1	a	5-1-a	5-1-aScrapers Cat 657G		0.15	0.13		0.13	0.08	7225.19	2.34	0.19		321.10	1.72	4.25	23.10	0.13		0.13	0.12		0.12	0.08	7217.42	2.33	0.18		320.75	1.70	4.09	23.17	0.12		0.12	0.11		0.11
5	1	a	5-1-a	5-1-aDozer D9T		0.06	0.06		0.06	0.03	2540.59	0.82	0.07		112.91	0.68	1.65	10.26	0.05		0.05	0.05		0.05	0.03	2540.20	0.82	0.07		112.89	0.64	1.49	9.92	0.05		0.05	0.05		0.05
5	1	a	5-1-a	5-1-aExcavator 374 FL		0.01	0.01		0.01	0.01	746.50	0.24	0.02		33.18	0.10	0.41	1.69	0.01		0.01	0.00		0.00	0.01	746.65	0.24	0.02		33.18	0.10	0.41	1.67	0.01		0.01	0.00		0.00
5	1	a	5-1-a	5-1-a825 Compactors		0.06	0.06		0.06	0.03	2540.59	0.82	0.07		112.91	0.68	1.65	10.26	0.05		0.05	0.05		0.05	0.03	2540.20	0.82	0.07		112.89	0.64	1.49	9.92	0.05		0.05	0.05		0.05
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader		0.02	0.01		0.01	0.01	982.46	0.32	0.03		43.66	0.27	0.54	7.31	0.02		0.02	0.01		0.01	0.01	983.56	0.32	0.03		43.71	0.25	0.54	7.29	0.02		0.02	0.01		0.01
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig		0.04	0.02		0.02	0.02	2348.37	0.76	0.06		104.37	0.30	1.30	5.01	0.04		0.04	0.01		0.01	0.02	2335.26	0.76	0.06		103.78	0.30	1.30	4.94	0.04		0.04	0.01		0.01
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.41	1.20	4.61	0.04		0.04	0.02		0.02	0.02	2614.52	0.07	0.07		116.19	0.39	1.20	4.59	0.04		0.04	0.02		0.02
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver		0.02	0.02		0.02	0.01	1204.82	0.39	0.03		53.54	0.27	0.66	7.64	0.02		0.02	0.02		0.02	0.01	1205.34	0.39	0.03		53.57	0.25	0.66	7.63	0.02		0.02	0.02		0.02
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.26	0.26		0.26	0.01	707.23	0.10	0.02		31.43	1.01	5.09	6.17	0.23		0.23	0.23		0.23	0.01	707.23	0.09	0.02		31.43	0.94	4.95	6.11	0.19		0.19	0.19		0.19
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.03		0.03	0.03	3486.03	0.10	0.09		154.92	0.55	1.59	6.14	0.05		0.05	0.02		0.02	0.03	3486.03	0.10	0.09		154.93	0.52	1.59	6.12	0.05		0.05	0.02		0.02
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane		0.02	0.02		0.02	0.01	676.98	0.22	0.02		30.09	0.19	0.46	3.17	0.02		0.02	0.01		0.01	0.01	676.59	0.22	0.02		30.07	0.17	0.40	2.88	0.01		0.01	0.01		0.01
4	2	a	4-2-a	4-2-aScrapers Cat 657G		0.20	0.18		0.18	0.10	9633.58	3.12	0.25		428.13	2.29	5.66	30.80	0.17		0.17	0.15		0.15	0.10	9623.23	3.11	0.25		427.67	2.26	5.46	30.89	0.16		0.16	0.15		0.15
4	2	a	4-2-a	4-2-aDozer D9T		0.13	0.12		0.12	0.05	5081.17	1.64	0.13		225.82	1.36	3.29	20.52	0.11		0.11	0.10		0.10	0.05	5080.40	1.64	0.13		225.78	1.29	2.97	19.83	0.10		0.10	0.09		0.09
4	2	a	4-2-a	4-2-aCat 140M3 Grader		0.02	0.02		0.02	0.01	684.12	0.22	0.02		30.40	0.22	0.63	1.84	0.02		0.02	0.01		0.01	0.01	683.69	0.22	0.02		30.38	0.20	0.56	1.80	0.01		0.01	0.01		0.01
4	2	a	4-2-a	4-2-aCat 374 F L		0.01	0.01		0.01	0.01	746.50	0.24	0.02		33.18	0.10	0.41	1.69	0.01		0.01	0.00		0.00	0.01	746.65	0.24	0.02		33.18	0.10	0.41	1.67	0.01		0.01	0.00		0.00
4	2	a	4-2-a	4-2-a825 Compactors		0.13	0.12		0.12	0.05	5081.17	1.64	0.13		225.82	1.36	3.29	20.52	0.11		0.11	0.10		0.10	0.05	5080.40	1.64	0.13		225.78	1.29	2.97	19.83	0.10		0.10	0.09		0.09
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770		0.05	0.04		0.04	0.03	3042.88	0.98	0.08		135.23	0.63	1.67	7.99	0.05		0.05	0.03		0.03	0.03	3043.99	0.98	0.08		135.28	0.60	1.67	7.83	0.05		0.05	0.03		0.03
4	2	a	4-2-a	4-2-aWheel Loader 986 H		0.05	0.04		0.04	0.03	2442.45	0.79	0.06		108.55	0.62	1.36	7.52	0.04		0.04	0.04		0.04	0.03	2443.50	0.79	0.06		108.59	0.57	1.36	7.22	0.04		0.04	0.03		0.03
4	2	b	4-2-b	4-2-bKomatsu PC360LC		0.05	0.02		0.02	0.03	2985.99	0.97	0.08		132.70	0.41	1.65	6.75	0.05		0.05	0.02		0.02	0.03	2986.59	0.97	0.08		132.73	0.39	1.65	6.68	0.05		0.05	0.02		0.02
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig		0.06	0.03		0.03	0.04	3522.56	1.14	0.09		156.55	0.45	1.95	7.51	0.06		0.06	0.02		0.02	0.04	3502.89	1.13	0.09		155.67	0.45	1.95	7.41	0.06		0.06	0.02		0.02
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader		0.03	0.02		0.02	0.02	1637.43	0.53	0.04		72.77	0.45	0.90	12.18	0.03		0.03	0.02		0.02	0.02	1639.27	0.53	0.04		72.85	0.41	0.90	12.14	0.03		0.03	0.02		0.02
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.41	1.20	4.61	0.04		0.04	0.02		0.02	0.02	2614.52	0.07	0.07		116.19	0.39	1.20	4.59	0.04		0.04	0.02		0.02
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver		0.02	0.02		0.02	0.01	1204.82	0.39	0.03		53.54	0.27	0.66	7.64	0.02		0.02	0.02		0.02	0.01	1205.34	0.39	0.03		53.57	0.25	0.66	7.63	0.02		0.02	0.02		0.02
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.03		0.03	0.03	3486.03	0.10	0.09		154.92	0.55	1.59	6.14	0.05		0.05	0.02		0.02	0.03	3486.03	0.10	0.09		154.93	0.52	1.59	6.12	0.05		0.05	0.02		0.02
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		0.07	0.07		0.07	0.03	2707.93	0.88	0.07		120.34	0.75	1.86	12.68	0.06		0.06	0.06		0.06	0.03	2706.35	0.88	0.07		120.27	0.68	1.61	11.52	0.05		0.05	0.05		0.05
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		0.02	0.02		0.02	0.01	676.98	0.22	0.02		30.09	0.19	0.46	3.17	0.02		0.02	0.01		0.01	0.01	676.59	0.22	0.02		30.07	0.17	0.40	2.88	0.01		0.01	0.01		0.01
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader		0.03	0.02		0.02	0.02	1637.43	0.53	0.04		72.77	0.45	0.90	12.18	0.03		0.03	0.02		0.02	0.02	1639.27	0.53	0.04		72.85	0.41	0.90	12.14	0.03		0.03	0.02		0.02
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig		0.06	0.03		0.03	0.04	3522.56	1.14	0.09		156.55	0.45	1.95	7.51	0.06		0.06	0.02		0.02	0.04	3502.89	1.13	0.09		155.67	0.45	1.95	7.41	0.06		0.06	0.02		0.02
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.03		0.03	0.03	3486.03	0.10	0.09		154.92	0.55	1.59	6.14	0.05		0.05	0.02		0.02	0.03	3486.03	0.10	0.09		154.93	0.52	1.59	6.12	0.05		0.05	0.02		0.02
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.41	1.20	4.61	0.04		0.04	0.02		0.02	0.02	2614.52	0.07	0.07		116.19	0.39	1.20	4.59	0.04		0.04	0.02		0.02
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver		0.02	0.02		0.02	0.01	1204.82	0.39	0.03		53.54	0.27	0.66	7.64	0.02		0.02	0.02		0.02	0.01	1205.34	0.39	0.03		53.57	0.25	0.66	7.63	0.02		0.02	0.02		0.02
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.03		0.03	0.03	3486.03	0.10	0.09		154.92	0.55	1.59	6.14	0.05		0.05	0.02		0.02	0.03	3486.03	0.10	0.09		154.93	0.52	1.59	6.12	0.05		0.05	0.02		0.02
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane		0.04	0.03		0.03	0.01	1353.96	0.44	0.03		60.17	0.37	0.93	6.34	0.03		0.03	0.03		0.03	0.01	1353.18	0.44	0.03		60.14	0.34	0.81	5.76	0.03		0.03	0.02		0.02
4	4	a	4-4-a	4-4-aScrapers Cat 657G		0.15	0.13		0.13	0.08	7225.19	2.34	0.19		321.10	1.72	4.25	23.10	0.13		0.13	0.12		0.12	0.08	7217.42	2.33	0.18		320.75	1.70	4.09	23.17	0.12		0.12	0.11		0.11
4	4	a	4-4-a	4-4-aDozer D9T		0.09	0.09		0.09	0.04	3810.88	1.23	0.10		169.36	1.02	2.47	15.39	0.08		0.08	0.07		0.07	0.04	3810.30	1.23	0.10		169.34	0.97	2.23	14.88	0.07		0.07	0.07		0.07
4	4	a	4-4-a	4-4-aCat 140M3 Grader		0.01	0.01		0.01	0.00	342.06	0.11	0.01		15.20	0.11	0.31	0.92	0.01		0.01	0.01		0.01	0.00	341.84	0.11	0.01		15.19	0.10	0.28	0.90	0.01		0.01	0.01		0.01
4	4	a	4-4-a	4-4-aCat 374 F L		0.01	0.00		0.00	0.00	373.25	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00
4	4	a	4-4-a	4-4-a825 Compactors		0.06	0.06		0.06	0.03	2540.59	0.82	0.07		112.91	0.68	1.65	10.26	0.05		0.05	0.05		0.05	0.03	2540.20	0.82	0.07		112.89	0.64	1.49	9.92	0.05		0.05	0.05		0.05
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770		0.03	0.02		0.02	0.02	1521.44	0.49	0.04		67.62	0.31	0.83	4.00	0.03		0.03	0.01		0.01	0.02	1521.99	0.49	0.04		67.64	0.30	0.83	3.91	0.03		0.03	0.01		0.01
4	4	a	4-4-a	4-4-aWheel Loader 986 H		0.02	0.02		0.02	0.01	1221.22	0.39	0.03		54.27	0.31	0.68	3.76	0.02		0.02	0.02		0.02	0.01	1221.75	0.40	0.03		54.30	0.28	0.68	3.61	0.02		0.02	0.02		0.02
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader		0.03	0.02		0.02	0.02	1637.43	0.53	0.04		72.77	0.45	0.90	12.18	0.03		0.03	0.02		0.02	0.02	1639.27	0.53	0.04		72.85	0.41	0.90	12.14	0.03		0.03	0.02		0.02
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig		0.06	0.03		0.03	0.04	3522.56	1.14	0.09		156.55	0.45	1.95	7.51	0.06		0.06	0.02		0.02	0.04	3502.89	1.13	0.09		155.67	0.45	1.95	7.41	0.06		0.06	0.02		0.02
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.03		0.03	0.03	3486.03	0.10	0.09		154.92	0.55	1.59	6.14	0.05		0.05	0.02		0.02	0.03	3486.03	0.10	0.09		154.93	0.52	1.59	6.12	0.05		0.05	0.02		0.02
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.41	1.20	4.61	0.04		0.04	0.02		0.02	0.02	2614.52	0.07	0.07		116.19	0.39	1.20	4.59	0.04		0.04	0.02		0.02
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver		0.02	0.02		0.02	0.01	1204.82	0.39	0.03		53.54	0.27	0.66	7.64	0.02		0.02	0.02		0.02	0.01	1205.34	0.39	0.03		53.57	0.25	0.66	7.63	0.02		0.02	0.02		0.02
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.03		0.03	0.03	3486.03	0.10	0.09		154.92	0.55	1.59	6.14	0.05		0.05	0.02		0.02	0.03	3486.03	0.10	0.09		154.93	0.52	1.59	6.12	0.05		0.05	0.02		0.02
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane		0.05	0.05		0.05	0.02	2030.95	0.66	0.05		90.26	0.56	1.39	9.51	0.05		0.05	0.04		0.04	0.02	2029.77	0.66	0.05		90.21	0.51	1.21	8.64	0.04		0.04	0.04		0.04
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657		0.20	0.18		0.18	0.10	9633.58	3.12	0.25		428.13	2.29	5.66	30.80	0.17		0.17	0.15		0.15	0.10	9623.23	3.11	0.25		427.67	2.26	5.46	30.89	0.16		0.16	0.15		0.15
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T		0.13	0.12		0.12	0.05	5081.17	1.64	0.13		225.82	1.36	3.29	20.52	0.11		0.11	0.10		0.10	0.05	5080.40	1.64	0.13		225.78	1.29	2.97	19.83	0.10		0.10	0.09		0.09
3	2	a	3-2-a	3-2-aScrapers Cat 657		0.10	0.09		0.09	0.05	4816.79	1.56	0.12		214.07	1.14	2.83	15.40	0.08		0.08	0.08		0.08	0.05	4811.61	1.56	0.12		213.84	1.13	2.73	15.45	0.08		0.08	0.07		0.07
3	2	a	3-2-a	3-2-aDozer D9T		0.06	0.06		0.06	0.03	2540.59	0.82	0.07		112.91	0.68	1.65	10.26	0.05		0.05	0.05		0.05	0.03	2540.20	0.82	0.07		112.89	0.64	1.49	9.92	0.05		0.05	0.05		0.05
3	2	a	3-2-a	3-2-aCat 140M3 Grader		0.02	0.02		0.02	0.01	684.12	0.22	0.02		30.40	0.22	0.63	1.84	0.02		0.02	0.01		0.01	0.01	683.69	0.22	0.02		30.38	0.20	0.56	1.80	0.01		0.01	0.01		0.01
3	2	a	3-2-a	3-2-aCat 374 F L		0.01	0.01		0.01	0.01	746.50	0.24	0.02		33.18	0.10	0.41	1.69	0.01		0.01	0.00		0.00	0.01	746.65	0.24	0.02		33.18	0.10	0.41	1.67	0.01		0.01	0.00		0.00
3	2	a	3-2-a	3-2-a825 Compactors		0.06	0.06		0.06	0.03	2540.59	0.82	0.07		112.91	0.68	1.65	10.26	0.05		0.05	0.05		0.05	0.03	2540.20	0.82	0.07		112.89	0.64	1.49	9.92	0.05		0.05	0.05		0.05
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770		0.05	0.04		0.04	0.03	3042.88	0.98	0.08		135.23	0.63	1.67	7.99	0.05		0.05	0.03		0.03	0.03	3043.99	0.98	0.08		135.28	0.60	1.67	7.83	0.05		0.05	0.03		0.03
3	2	a	3-2-a	3-2-aWheel Loader 986 H		0.05	0.04		0.04	0.03	2442.45	0.79	0.06		108.55	0.62	1.36	7.52	0.04		0.04	0.04		0.04	0.03	2443.50	0.79	0.06		108.59	0.57	1.36	7.22	0.04		0.04	0.03		0.03
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader		0.03	0.02		0.02	0.02	1637.43	0.53	0.04		72.77	0.45	0.90	12.18	0.03		0.03	0.02		0.02	0.02	1639.27	0.53	0.04		72.85	0.41	0.90	12.14	0.03		0.03	0.02		0.02
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig		0.06	0.03		0.03	0.04	3522.56	1.14	0.09		156.55	0.45	1.95	7.51	0.06		0.06	0.02		0.02	0.04	3502.89	1.13	0.09		155.67	0.45	1.95	7.41	0.06		0.06	0.02		0.02
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.03		0.03	0.03	3486.03	0.10	0.09		154.92	0.55	1.59	6.14	0.05		0.05	0.02		0.02	0.03	3486.03	0.10	0.09		154.93	0.52	1.59	6.12	0.05		0.05	0.02		0.02
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.41	1.20	4.61	0.04		0.04	0.02		0.02	0.02	2614.52	0.07	0.07		116.19	0.39	1.20	4.59	0.04		0.04	0.02		0.02
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver		0.02	0.02		0.02	0.01	1204.82	0.39	0.03		53.54	0.27	0.66	7.64	0.02		0.02	0.02		0.02	0.01	1205.34	0.39	0.03		53.57	0.25	0.66	7.63	0.02		0.02	0.02		0.02
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.06		0.06	0.06	6972.05	0.21	0.18		309.85	1.10	3.19	12.28	0.10		0.10	0.05		0.05	0.06	6972.07	0.20	0.18		309.85	1.05	3.19	12.24	0.10		0.10	0.04		0.04
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane		0.04	0.03		0.03	0.01	1353.96	0.44	0.03		60.17	0.37	0.93	6.34	0.03		0.03	0.03		0.03	0.01	1353.18	0.44	0.03		60.14	0.34	0.81	5.76	0.03		0.03	0.02		0.02
1	6	a	1-6-a	1-6-aScrapers Cat 657		0.15	0.13		0.13	0.08	7225.19	2.34	0.19		321.10	1.72	4.25	23.10	0.13		0.13	0.12		0.12	0.08	7217.42	2.33	0.18		320.75	1.70	4.09	23.17	0.12		0.12	0.11		0.11
1	6	a	1-6-a	1-6-aDozer D9T		0.09	0.09		0.09	0.04	3810.88	1.23	0.10		169.36	1.02	2.47	15.39	0.08		0.08	0.07		0.07	0.04	3810.30	1.23	0.10		169.34	0.97	2.23	14.88	0.07		0.07	0.07		0.07
1	6	a	1-6-a	1-6-aCat 140M3 Grader		0.02	0.02		0.02	0.01	684.12	0.22	0.02		30.40	0.22	0.63	1.84	0.02		0.02	0.01		0.01	0.01	683.69	0.22	0.02		30.38	0.20	0.56	1.80	0.01		0.01	0.01		0.01
1	6	a	1-6-a	1-6-aCat 374 F L		0.01	0.00		0.00	0.00	373.25	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00
1	6	a	1-6-a	1-6-a825 Compactors		0.09	0.09		0.09	0.04	3810.88	1.23	0.10		169.36	1.02	2.47	15.39	0.08		0.08	0.07		0.07	0.04	3810.30	1.23	0.10		169.34	0.97	2.23	14.88	0.07		0.07	0.07		0.07
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770		0.05	0.04		0.04	0.03	3042.88	0.98	0.08		135.23	0.63	1.67	7.99	0.05		0.05	0.03		0.03	0.03	3043.99	0.98	0.08		135.28	0.60	1.67	7.83	0.05		0.05	0.03		0.03
1	6	a	1-6-a	1-6-aWheel Loader 986 H		0.05	0.04		0.04	0.03	2442.45	0.79	0.06		108.55	0.62	1.36	7.52	0.04		0.04	0.04		0.04	0.03	2443.50	0.79	0.06		108.59	0.57	1.36	7.22	0.04		0.04	0.03		0.03
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader		0.03	0.02		0.02	0.02	1637.43	0.53	0.04		72.77	0.45	0.90	12.18	0.03		0.03	0.02		0.02	0.02	1639.27	0.53	0.04		72.85	0.41	0.90	12.14	0.03		0.03	0.02		0.02
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig		0.06	0.03		0.03	0.04	3522.56	1.14	0.09		156.55	0.45	1.95	7.51	0.06		0.06	0.02		0.02	0.04	3502.89	1.13	0.09		155.67	0.45	1.95	7.41	0.06		0.06	0.02		0.02
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.03		0.03	0.03	3486.03	0.10	0.09		154.92	0.55	1.59	6.14	0.05		0.05	0.02		0.02	0.03	3486.03	0.10	0.09		154.93	0.52	1.59	6.12	0.05		0.05	0.02		0.02
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.41	1.20	4.61	0.04		0.04	0.02		0.02	0.02	2614.52	0.07	0.07		116.19	0.39	1.20	4.59	0.04		0.04	0.02		0.02
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver		0.02	0.02		0.02	0.01	1204.82	0.39	0.03		53.54	0.27	0.66	7.64	0.02		0.02	0.02		0.02	0.01	1205.34	0.39	0.03		53.57	0.25	0.66	7.63	0.02		0.02	0.02		0.02
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.06		0.06	0.06	6972.05	0.21	0.18		309.85	1.10	3.19	12.28	0.10		0.10	0.05		0.05	0.06	6972.07	0.20	0.18		309.85	1.05	3.19	12.24	0.10		0.10	0.04		0.04
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		0.05	0.05		0.05	0.02	2030.95	0.66	0.05		90.26	0.56	1.39	9.51	0.05		0.05	0.04		0.04	0.02	2029.77	0.66	0.05		90.21	0.51	1.21	8.64	0.04		0.04	0.04		0.04
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		0.02	0.02		0.02	0.01	676.98	0.22	0.02		30.09	0.19	0.46	3.17	0.02		0.02	0.01		0.01	0.01	676.59	0.22	0.02		30.07	0.17	0.40	2.88	0.01		0.01	0.01		0.01
2	7	a	2-7-a	2-7-aScrapers Cat 657		0.15	0.13		0.13	0.08	7225.19	2.34	0.19		321.10	1.72	4.25	23.10	0.13		0.13	0.12		0.12	0.08	7217.42	2.33	0.18		320.75	1.70	4.09	23.17	0.12		0.12	0.11		0.11
2	7	a	2-7-a	2-7-aDozer D9T		0.09	0.09		0.09	0.04	3810.88	1.23	0.10		169.36	1.02	2.47	15.39	0.08		0.08	0.07		0.07	0.04	3810.30	1.23	0.10		169.34	0.97	2.23	14.88	0.07		0.07	0.07		0.07
2	7	a	2-7-a	2-7-aCat 140M3 Grader		0.02	0.02		0.02	0.01	684.12	0.22	0.02		30.40	0.22	0.63	1.84	0.02		0.02	0.01		0.01	0.01	683.69	0.22	0.02		30.38	0.20	0.56	1.80	0.01		0.01	0.01		0.01
2	7	a	2-7-a	2-7-aCat 374 F L		0.01	0.00		0.00	0.00	373.25	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00
2	7	a	2-7-a	2-7-a825 Compactors		0.09	0.09		0.09	0.04	3810.88	1.23	0.10		169.36	1.02	2.47	15.39	0.08		0.08	0.07		0.07	0.04	3810.30	1.23	0.10		169.34	0.97	2.23	14.88	0.07		0.07	0.07		0.07
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770		0.05	0.04		0.04	0.03	3042.88	0.98	0.08		135.23	0.63	1.67	7.99	0.05		0.05	0.03		0.03	0.03	3043.99	0.98	0.08		135.28	0.60	1.67	7.83	0.05		0.05	0.03		0.03
2	7	a	2-7-a	2-7-aWheel Loader 986 H		0.05	0.04		0.04	0.03	2442.45	0.79	0.06		108.55	0.62	1.36	7.52	0.04		0.04	0.04		0.04	0.03	2443.50	0.79	0.06		108.59	0.57	1.36	7.22	0.04		0.04	0.03		0.03
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader		0.03	0.02		0.02	0.02	1637.43	0.53	0.04		72.77	0.45	0.90	12.18	0.03		0.03	0.02		0.02	0.02	1639.27	0.53	0.04		72.85	0.41	0.90	12.14	0.03		0.03	0.02		0.02
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig		0.06	0.03		0.03	0.04	3522.56	1.14	0.09		156.55	0.45	1.95	7.51	0.06		0.06	0.02		0.02	0.04	3502.89	1.13	0.09		155.67	0.45	1.95	7.41	0.06		0.06	0.02		0.02
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.03		0.03	0.03	3486.03	0.10	0.09		154.92	0.55	1.59	6.14	0.05		0.05	0.02		0.02	0.03	3486.03	0.10	0.09		154.93	0.52	1.59	6.12	0.05		0.05	0.02		0.02
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.02		0.02	0.02	2614.52	0.08	0.07		116.19	0.41	1.20	4.61	0.04		0.04	0.02		0.02	0.02	2614.52	0.07	0.07		116.19	0.39	1.20	4.59	0.04		0.04	0.02		0.02
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver		0.02	0.02		0.02	0.01	1204.82	0.39	0.03		53.54	0.27	0.66	7.64	0.02		0.02	0.02		0.02	0.01	1205.34	0.39	0.03		53.57	0.25	0.66	7.63	0.02		0.02	0.02		0.02
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.03		0.03	0.03	3486.03	0.10	0.09		154.92	0.55	1.59	6.14	0.05		0.05	0.02		0.02	0.03	3486.03	0.10	0.09		154.93	0.52	1.59	6.12	0.05		0.05	0.02		0.02
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		0.04	0.03		0.03	0.01	1353.96	0.44	0.03		60.17	0.37	0.93	6.34	0.03		0.03	0.03		0.03	0.01	1353.18	0.44	0.03		60.14	0.34	0.81	5.76	0.03		0.03	0.02		0.02
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		0.02	0.02		0.02	0.01	676.98	0.22	0.02		30.09	0.19	0.46	3.17	0.02		0.02	0.01		0.01	0.01	676.59	0.22	0.02		30.07	0.17	0.40	2.88	0.01		0.01	0.01		0.01
2	8	a	2-8-a	2-8-aScrapers Cat 657		0.15	0.13		0.13	0.08	7225.19	2.34	0.19		321.10	1.72	4.25	23.10	0.13		0.13	0.12		0.12	0.08	7217.42	2.33	0.18		320.75	1.70	4.09	23.17	0.12		0.12	0.11		0.11
2	8	a	2-8-a	2-8-aDozer D9T		0.09	0.09		0.09	0.04	3810.88	1.23	0.10		169.36	1.02	2.47	15.39	0.08		0.08	0.07		0.07	0.04	3810.30	1.23	0.10		169.34	0.97	2.23	14.88	0.07		0.07	0.07		0.07
2	8	a	2-8-a	2-8-aCat 140M3 Grader		0.02	0.02		0.02	0.01	684.12	0.22	0.02		30.40	0.22	0.63	1.84	0.02		0.02	0.01		0.01	0.01	683.69	0.22	0.02		30.38	0.20	0.56	1.80	0.01		0.01	0.01		0.01
2	8	a	2-8-a	2-8-aCat 374 F L		0.01	0.00		0.00	0.00	373.25	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59	0.05	0.21	0.84	0.01		0.01	0.00		0.00
2	8	a	2-8-a	2-8-a825 Compactors		0.09	0.09		0.09	0.04	3810.88	1.23	0.10		169.36	1.02	2.47	15.39	0.08		0.08	0.07		0.07	0.04	3810.30	1.23	0.10		169.34	0.97	2.23	14.88	0.07		0.07	0.07		0.07
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770		0.05	0.04		0.04	0.03	3042.88	0.98	0.08		135.23	0.63	1.67	7.99	0.05		0.05	0.03		0.03	0.03	3043.99	0.98	0.08		135.28	0.60	1.67	7.83	0.05		0.05	0.03		0.03
2	8	a	2-8-a	2-8-aWheel Loader 986 H		0.05	0.04		0.04	0.03	2442.45	0.79	0.06		108.55	0.62	1.36	7.52	0.04		0.04	0.04		0.04	0.03	2443.50	0.79	0.06		108.59	0.57	1.36	7.22	0.04		0.04	0.03		0.03
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader		0.02	0.01		0.01	0.01	982.46	0.32	0.03		43.66	0.27	0.54	7.31	0.02		0.02	0.01		0.01	0.01	983.56	0.32	0.03		43.71	0.25	0.54	7.29	0.02		0.02	0.01		0.01
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.03		0.03	0.03	3486.03	0.10	0.09		154.92	0.55	1.59	6.14	0.05		0.05	0.02		0.02	0.03	3486.03	0.10	0.09		154.93	0.52	1.59	6.12	0.05		0.05	0.02		0.02
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig		0.02	0.01		0.01	0.01	1174.19	0.38	0.03		52.18	0.15	0.65	2.50	0.02		0.02	0.01		0.01	0.01	1167.63	0.38	0.03		51.89	0.15	0.65	2.47	0.02		0.02	0.01		0.01
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.06		0.06	0.06	6972.05	0.21	0.18		309.85	1.10	3.19	12.28	0.10		0.10	0.05		0.05	0.06	6972.07	0.20	0.18		309.85	1.05	3.19	12.24	0.10		0.10	0.04		0.04
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.22	0.22		0.22	0.01	589.36	0.08	0.02		26.19	0.84	4.24	5.14	0.19		0.19	0.19		0.19	0.01	589.36	0.08	0.02		26.19	0.78	4.12	5.10	0.16		0.16	0.16		0.16
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver		0.03	0.03		0.03	0.02	1506.03	0.49	0.04		66.93	0.34	0.83	9.54	0.03		0.03	0.02		0.02	0.02	1506.68	0.49	0.04		66.96	0.32	0.83	9.54	0.03		0.03	0.02		0.02
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.06		0.06	0.06	6972.05	0.21	0.18		309.85	1.10	3.19	12.28	0.10		0.10	0.05		0.05	0.06	6972.07	0.20	0.18		309.85	1.05	3.19	12.24	0.10		0.10	0.04		0.04
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane		0.02	0.02		0.02	0.01	676.98	0.22	0.02		30.09	0.19	0.46	3.17	0.02		0.02	0.01		0.01	0.01	676.59	0.22	0.02		30.07	0.17	0.40	2.88	0.01		0.01	0.01		0.01

Construction - Mitigated Tier 4

Equipment Emission Calcs

Parcel	Phase	Activity	Sch Code	lookup for daily	SOX	CO2	CH4	N2O	Other	Fuel (Gal/Day)
5	1	a	5-1-a	5-1-aScrapers Cat 657G	0.08	7217.67	2.33	0.18		320.77
5	1	a	5-1-a	5-1-aDozer D9T	0.03	2541.28	0.82	0.07		112.94
5	1	a	5-1-a	5-1-aExcavator 374 FL	0.01	746.93	0.24	0.02		33.19
5	1	a	5-1-a	5-1-a825 Compactors	0.03	2541.28	0.82	0.07		112.94
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	0.01	984.67	0.32	0.03		43.76
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	0.02	2319.51	0.75	0.06		103.08
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	707.23	0.08	0.02		31.43
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	0.01	676.75	0.22	0.02		30.08
4	2	a	4-2-a	4-2-aScrapers Cat 657G	0.10	9623.56	3.11	0.25		427.69
4	2	a	4-2-a	4-2-aDozer D9T	0.05	5082.55	1.64	0.13		225.88
4	2	a	4-2-a	4-2-aCat 140M3 Grader	0.01	683.23	0.22	0.02		30.36
4	2	a	4-2-a	4-2-aCat 374 F L	0.01	746.93	0.24	0.02		33.19
4	2	a	4-2-a	4-2-a825 Compactors	0.05	5082.55	1.64	0.13		225.88
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	0.03	3046.13	0.98	0.08		135.38
4	2	a	4-2-a	4-2-aWheel Loader 986 H	0.03	2445.26	0.79	0.06		108.67
4	2	b	4-2-b	4-2-bKomatsu PC360LC	0.03	2987.73	0.97	0.08		132.78
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	0.03	2707.00	0.88	0.07		120.30
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	0.01	676.75	0.22	0.02		30.08
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	0.01	1353.50	0.44	0.03		60.15
4	4	a	4-4-a	4-4-aScrapers Cat 657G	0.08	7217.67	2.33	0.18		320.77
4	4	a	4-4-a	4-4-aDozer D9T	0.04	3811.91	1.23	0.10		169.41
4	4	a	4-4-a	4-4-aCat 140M3 Grader	0.00	341.62	0.11	0.01		15.18
4	4	a	4-4-a	4-4-aCat 374 F L	0.00	373.47	0.12	0.01		16.60
4	4	a	4-4-a	4-4-a825 Compactors	0.03	2541.28	0.82	0.07		112.94
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	0.02	1523.07	0.49	0.04		67.69
4	4	a	4-4-a	4-4-aWheel Loader 986 H	0.01	1222.63	0.40	0.03		54.34
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	0.02	2030.25	0.66	0.05		90.23
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	0.10	9623.56	3.11	0.25		427.69
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	0.05	5082.55	1.64	0.13		225.88
3	2	a	3-2-a	3-2-aScrapers Cat 657	0.05	4811.78	1.56	0.12		213.84
3	2	a	3-2-a	3-2-aDozer D9T	0.03	2541.28	0.82	0.07		112.94
3	2	a	3-2-a	3-2-aCat 140M3 Grader	0.01	683.23	0.22	0.02		30.36
3	2	a	3-2-a	3-2-aCat 374 F L	0.01	746.93	0.24	0.02		33.19
3	2	a	3-2-a	3-2-a825 Compactors	0.03	2541.28	0.82	0.07		112.94
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	0.03	3046.13	0.98	0.08		135.38
3	2	a	3-2-a	3-2-aWheel Loader 986 H	0.03	2445.26	0.79	0.06		108.67
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.07	0.18	0.18		309.85
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	0.01	1353.50	0.44	0.03		60.15
1	6	a	1-6-a	1-6-aScrapers Cat 657	0.08	7217.67	2.33	0.18		320.77
1	6	a	1-6-a	1-6-aDozer D9T	0.04	3811.91	1.23	0.10		169.41
1	6	a	1-6-a	1-6-aCat 140M3 Grader	0.01	683.23	0.22	0.02		30.36
1	6	a	1-6-a	1-6-aCat 374 F L	0.00	373.47	0.12	0.01		16.60
1	6	a	1-6-a	1-6-a825 Compactors	0.04	3811.91	1.23	0.10		169.41
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	0.03	3046.13	0.98	0.08		135.38
1	6	a	1-6-a	1-6-aWheel Loader 986 H	0.03	2445.26	0.79	0.06		108.67
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.07	0.18	0.18		309.85
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.02	2030.25	0.66	0.05		90.23
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.01	676.75	0.22	0.02		30.08
2	7	a	2-7-a	2-7-aScrapers Cat 657	0.08	7217.67	2.33	0.18		320.77
2	7	a	2-7-a	2-7-aDozer D9T	0.04	3811.91	1.23	0.10		169.41
2	7	a	2-7-a	2-7-aCat 140M3 Grader	0.01	683.23	0.22	0.02		30.36
2	7	a	2-7-a	2-7-aCat 374 F L	0.00	373.47	0.12	0.01		16.60
2	7	a	2-7-a	2-7-a825 Compactors	0.04	3811.91	1.23	0.10		169.41
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	0.03	3046.13	0.98	0.08		135.38
2	7	a	2-7-a	2-7-aWheel Loader 986 H	0.03	2445.26	0.79	0.06		108.67
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	0.02	1641.11	0.53	0.04		72.93
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	0.04	3479.26	1.13	0.09		154.62
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.07	0.07		116.19
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	0.01	1205.24	0.39	0.03		53.56
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.01	1353.50	0.44	0.03		60.15
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.01	676.75	0.22	0.02		30.08
2	8	a	2-8-a	2-8-aScrapers Cat 657	0.08	7217.67	2.33	0.18		320.77
2	8	a	2-8-a	2-8-aDozer D9T	0.04	3811.91	1.23	0.10		169.41
2	8	a	2-8-a	2-8-aCat 140M3 Grader	0.01	683.23	0.22	0.02		30.36
2	8	a	2-8-a	2-8-aCat 374 F L	0.00	373.47	0.12	0.01		16.60
2	8	a	2-8-a	2-8-a825 Compactors	0.04	3811.91	1.23	0.10		169.41
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	0.03	3046.13	0.98	0.08		135.38
2	8	a	2-8-a	2-8-aWheel Loader 986 H	0.03	2445.26	0.79	0.06		108.67
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	0.01	984.67	0.32	0.03		43.76
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.09	0.09		154.93
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	0.01	1159.75	0.38	0.03		51.54
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.07	0.18	0.18		309.85
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.07	0.02		26.19
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	0.02	1506.54	0.49	0.04		66.95
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.07	0.18	0.18		309.85
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	0.01	676.75	0.22	0.02		30.08

Pounds per day — 2024

lookup for daily	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel (Gal/Day)
5-1-aScrapers Cat 657G	1.63	3.98	22.37	0.12		0.12	0.10		0.10	0.08	7219.72	2.34	0.18		320.86
5-1-aDozer D9T	0.61	1.39	9.53	0.05		0.05	0.04		0.04	0.03	2538.13	0.82	0.07		112.80
5-1-aExcavator 374 FL	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	746.65	0.24	0.02		33.18
5-1-a825 Compactors	0.61	1.39	9.53	0.05		0.05	0.04		0.04	0.03	2538.13	0.82	0.07		112.80
5-1-cJohn Deere 410K TC Backhoe Loader	0.23	0.54	7.30	0.02		0.02	0.01		0.01	0.01	985.29	0.32	0.03		43.79
5-1-cAuger Cast Caissons Drill Rig	0.30	1.30	4.97	0.04		0.04	0.01		0.01	0.02	2321.70	0.75	0.06		103.18
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19
5-1-dAP 600 D Cat Asphalt Paver	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.87	4.81	6.07	0.17		0.17	0.17		0.17	0.01	707.23	0.08	0.02		31.43
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92
5-1-eLink Belt Conventional Lattice Crawler Crane	0.17	0.38	2.77	0.01		0.01	0.01		0.01	0.01	676.43	0.22	0.02		30.06
4-2-aScrapers Cat 657G	2.17	5.31	29.83	0.16		0.16	0.14		0.14	0.10	9626.30	3.11	0.25		427.81
4-2-aDozer D9T	1.22	2.78	19.06	0.09		0.09	0.08		0.08	0.05	5076.26	1.64	0.13		225.60
4-2-aCat 140M3 Grader	0.19	0.50	1.77	0.01		0.01	0.01		0.01	0.01	682.86	0.22	0.02		30.35
4-2-aCat 374 F L	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	746.65	0.24	0.02		33.18
4-2-a825 Compactors	1.22	2.78	19.06	0.09		0.09	0.08		0.08	0.05	5076.26	1.64	0.13		225.60
4-2-aOff Highway Dump Truck Cat 770	0.59	1.67	7.74	0.05		0.05	0.02		0.02	0.03	3047.23	0.99	0.08		135.42
4-2-aWheel Loader 986 H	0.55	1.36	7.06	0.04		0.04	0.03		0.03	0.03	2445.50	0.79	0.06		108.68
4-2-bKomatsu PC360LC	0.38	1.65	6.70	0.05		0.05	0.02		0.02	0.03	2986.60	0.97	0.08		132.73
4-2-cAuger Cast Caissons Drill Rig	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77
4-2-cJohn Deere 410K TC Backhoe Loader	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19
4-2-dAP 600 D Cat Asphalt Paver	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92
4-2-eLink Belt Conventional Lattice Crawler Crane	0.66	1.53	11.08	0.05		0.05	0.05		0.05	0.03	2705.70	0.88	0.07		120.25
4-2-eLink Belt Conventional Lattice Crawler Crane	0.17	0.38	2.77	0.01		0.01	0.01		0.01	0.01	676.43	0.22	0.02		30.06
4-3-cJohn Deere 410K TC Backhoe Loader	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98
4-3-cAuger Cast Caissons Drill Rig	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19
4-3-dAP 600 D Cat Asphalt Paver	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92
4-3-eLink Belt Conventional Lattice Crawler Crane	0.33	0.77	5.54	0.03		0.03	0.02		0.02	0.01	1352.85	0.44	0.03		60.12
4-4-aScrapers Cat 657G	1.63	3.98	22.37	0.12		0.12	0.10		0.10	0.08	7219.72	2.34	0.18		320.86
4-4-aDozer D9T	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20
4-4-aCat 140M3 Grader	0.09	0.25	0.88	0.01		0.01	0.01		0.01	0.00	341.43	0.11	0.01		15.17
4-4-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59
4-4-a825 Compactors	0.61	1.39	9.53	0.05		0.05	0.04		0.04	0.03	2538.13	0.82	0.07		112.80
4-4-aOff Highway Dump Truck Cat 770	0.30	0.83	3.87	0.03		0.03	0.01		0.01	0.02	1523.62	0.49	0.04		67.71
4-4-aWheel Loader 986 H	0.27	0.68	3.53	0.02		0.02	0.01		0.01	0.01	1222.75	0.40	0.03		54.34
4-4-cJohn Deere 410K TC Backhoe Loader	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98
4-4-cAuger Cast Caissons Drill Rig	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19
4-4-dAP 600 D Cat Asphalt Paver	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92
4-4-eLink Belt Conventional Lattice Crawler Crane	0.50	1.15	8.31	0.04		0.04	0.03		0.03	0.02	2029.28	0.66	0.05		90.18
3-2-dirtScrapers Cat 657	2.17	5.31	29.83	0.16		0.16	0.14		0.14	0.10	9626.30	3.11	0.25		427.81
3-2-dirtDozer D9T	1.22	2.78	19.06	0.09		0.09	0.08		0.08	0.05	5076.26	1.64	0.13		225.60
3-2-aScrapers Cat 657	1.09	2.65	14.91	0.08		0.08	0.07		0.07	0.05	4813.15	1.56	0.12		213.90
3-2-aDozer D9T	0.61	1.39	9.53	0.05		0.05	0.04		0.04	0.03	2538.13	0.82	0.07		112.80
3-2-aCat 140M3 Grader	0.19	0.50	1.77	0.01		0.01	0.01		0.01	0.01	682.86	0.22	0.02		30.35
3-2-aCat 374 F L	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	746.65	0.24	0.02		33.18
3-2-a825 Compactors	0.61	1.39	9.53	0.05		0.05	0.04		0.04	0.03	2538.13	0.82	0.07		112.80
3-2-aOff Highway Dump Truck Cat 770	0.59	1.67	7.74	0.05		0.05	0.02		0.02	0.03	3047.23	0.99	0.08		135.42
3-2-aWheel Loader 986 H	0.55	1.36	7.06	0.04		0.04	0.03		0.03	0.03	2445.50	0.79	0.06		108.68
3-5-cJohn Deere 410K TC Backhoe Loader	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98
3-5-cAuger Cast Caissons Drill Rig	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19
3-5-dAP 600 D Cat Asphalt Paver	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	3.19	12.19	0.10		0.10	0.04		0.04	0.06	6972.05	0.17	0.18		309.85
3-5-eLink Belt Conventional Lattice Crawler Crane	0.33	0.77	5.54	0.03		0.03	0.02		0.02	0.01	1352.85	0.44	0.03		60.12
1-6-aScrapers Cat 657	1.63	3.98	22.37	0.12		0.12	0.10		0.10	0.08	7219.72	2.34	0.18		320.86
1-6-aDozer D9T	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20
1-6-aCat 140M3 Grader	0.19	0.50	1.77	0.01		0.01	0.01		0.01	0.01	682.86	0.22	0.02		30.35
1-6-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59
1-6-a825 Compactors	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20
1-6-aOff Highway Dump Truck Cat 770	0.59	1.67	7.74	0.05		0.05	0.02		0.02	0.03	3047.23	0.99	0.08		135.42
1-6-aWheel Loader 986 H	0.55	1.36	7.06	0.04		0.04	0.03		0.03	0.03	2445.50	0.79	0.06		108.68
1-6-cJohn Deere 410K TC Backhoe Loader	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98
1-6-cAuger Cast Caissons Drill Rig	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19
1-6-dAP 600 D Cat Asphalt Paver	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	3.19	12.19	0.10		0.10	0.04		0.04	0.06	6972.05	0.17	0.18		309.85
1-6-eLink Belt Conventional Lattice Crawler Crane	0.50	1.15	8.31	0.04		0.04	0.03		0.03	0.02	2029.28	0.66	0.05		90.18
1-6-eLink Belt Conventional Lattice Crawler Crane	0.17	0.38	2.77	0.01		0.01	0.01		0.01	0.01	676.43	0.22	0.02		30.06
2-7-aScrapers Cat 657	1.63	3.98	22.37	0.12		0.12	0.10		0.10	0.08	7219.72	2.34	0.18		320.86
2-7-aDozer D9T	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20
2-7-aCat 140M3 Grader	0.19	0.50	1.77	0.01		0.01	0.01		0.01	0.01	682.86	0.22	0.02		30.35
2-7-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59
2-7-a825 Compactors	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20
2-7-aOff Highway Dump Truck Cat 770	0.59	1.67	7.74	0.05		0.05	0.02		0.02	0.03	3047.23	0.99	0.08		135.42
2-7-aWheel Loader 986 H	0.55	1.36	7.06	0.04		0.04	0.03		0.03	0.03	2445.50	0.79	0.06		108.68
2-7-cJohn Deere 410K TC Backhoe Loader	0.39	0.90	12.17	0.03		0.03	0.01		0.01	0.02	1642.14	0.53	0.04		72.98
2-7-cAuger Cast Caissons Drill Rig	0.45	1.95	7.45	0.06		0.06	0.02		0.02	0.04	3482.55	1.13	0.09		154.77
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.38	1.20	4.57	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19
2-7-dAP 600 D Cat Asphalt Paver	0.24	0.66	7.66	0.02		0.02	0.01		0.01	0.01	1205.09	0.39	0.03		53.56
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92
2-7-eLink Belt Conventional Lattice Crawler Crane	0.33	0.77	5.54	0.03		0.03	0.02		0.02	0.01	1352.85	0.44	0.03		60.12
2-7-eLink Belt Conventional Lattice Crawler Crane	0.17	0.38	2.77	0.01		0.01	0.01		0.01	0.01	676.43	0.22	0.02		30.06
2-8-aScrapers Cat 657	1.63	3.98	22.37	0.12		0.12	0.10		0.10	0.08	7219.72	2.34	0.18		320.86
2-8-aDozer D9T	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20
2-8-aCat 140M3 Grader	0.19	0.50	1.77	0.01		0.01	0.01		0.01	0.01	682.86	0.22	0.02		30.35
2-8-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.32	0.12	0.01		16.59
2-8-a825 Compactors	0.91	2.09	14.30	0.07		0.07	0.06		0.06	0.04	3807.19	1.23	0.10		169.20
2-8-aOff Highway Dump Truck Cat 770	0.59	1.67	7.74	0.05		0.05	0.02		0.02	0.03	3047.23	0.99	0.08		135.42
2-8-aWheel Loader 986 H	0.55	1.36	7.06	0.04		0.04	0.03		0.03	0.03	2445.50	0.79	0.06		108.68
2-8-cJohn Deere 410K TC Backhoe Loader	0.23	0.54	7.30	0.02		0.02	0.01		0.01	0.01	985.29	0.32	0.03		43.79
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.50	1.59	6.10	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.92
2-8-cAuger Cast Caissons Drill Rig	0.15	0.65	2.48	0.02		0.02	0.01		0.01	0.01	1160.85	0.38	0.03		51.59
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	3.19	12.19	0.10		0.10	0.04		0.04	0.06	6972.05	0.17	0.18		309.85
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.73	4.01	5.06	0.14		0.14	0.14		0.14	0.01	589.36	0.07	0.02		26.19
2-8-dAP 600 D Cat Asphalt Paver	0.30	0.83	9.57	0.03		0.03	0.02		0.02	0.02	1506.36	0.49	0.04		66.95
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	1.01	3.19	12.19	0.10		0.10	0.04		0.04	0.06	6972.05	0.17	0.18		309.85
2-8-eLink Belt Conventional Lattice Crawler Crane	0.17	0.38	2.77	0.01		0.01	0.01		0.01	0.01	676.43	0.22	0.02		30.06

Pounds per day — 2025

lookup for daily	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other
5-1-aScrapers Cat 657G	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19	
5-1-aDozer D9T	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07	
5-1-aExcavator 374 FL	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02	
5-1-a825 Compactors	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07	
5-1-cJohn Deere 410K TC Backhoe Loader	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03	
5-1-cAuger Cast Caissons Drill Rig	0.30	1.30	4.99	0.04		0.04	0.01		0.01	0.02	2335.74	0.76	0.06	
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
5-1-dAP 600 D Cat Asphalt Paver	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02	
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
5-1-eLink Belt Conventional Lattice Crawler Crane	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02	
4-2-aScrapers Cat 657G	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25	
4-2-aDozer D9T	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13	
4-2-aCat 140M3 Grader	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02	
4-2-aCat 374 F L	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02	
4-2-a825 Compactors	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13	
4-2-aOff Highway Dump Truck Cat 770	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08	
4-2-aWheel Loader 986 H	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06	
4-2-bKomatsu PC360LC	0.38	1.65	6.68	0.05		0.05	0.01		0.01	0.03	2990.29	0.97	0.08	
4-2-cAuger Cast Caissons Drill Rig	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
4-2-cJohn Deere 410K TC Backhoe Loader	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
4-2-dAP 600 D Cat Asphalt Paver	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
4-2-eLink Belt Conventional Lattice Crawler Crane	0.63	1.49	10.51	0.05		0.05	0.04		0.04	0.03	2705.13	0.87	0.07	
4-2-eLink Belt Conventional Lattice Crawler Crane	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02	
4-3-cJohn Deere 410K TC Backhoe Loader	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
4-3-cAuger Cast Caissons Drill Rig	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
4-3-dAP 600 D Cat Asphalt Paver	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
4-3-eLink Belt Conventional Lattice Crawler Crane	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03	
4-4-aScrapers Cat 657G	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19	
4-4-aDozer D9T	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
4-4-aCat 140M3 Grader	0.08	0.21	0.85	0.01		0.01	0.00		0.00	0.00	341.29	0.11	0.01	
4-4-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01	
4-4-a825 Compactors	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07	
4-4-aOff Highway Dump Truck Cat 770	0.28	0.83	3.79	0.03		0.03	0.01		0.01	0.02	1522.81	0.49	0.04	
4-4-aWheel Loader 986 H	0.25	0.68	3.33	0.02		0.02	0.01		0.01	0.01	1224.40	0.40	0.03	
4-4-cJohn Deere 410K TC Backhoe Loader	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
4-4-cAuger Cast Caissons Drill Rig	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
4-4-dAP 600 D Cat Asphalt Paver	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
4-4-eLink Belt Conventional Lattice Crawler Crane	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05	
3-2-dirtScrapers Cat 657	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25	
3-2-dirtDozer D9T	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13	
3-2-aScrapers Cat 657	0.94	2.65	13.66	0.08		0.08	0.05		0.05	0.05	4820.15	1.56	0.12	
3-2-aDozer D9T	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07	
3-2-aCat 140M3 Grader	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02	
3-2-aCat 374 F L	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02	
3-2-a825 Compactors	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07	
3-2-aOff Highway Dump Truck Cat 770	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08	
3-2-aWheel Loader 986 H	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06	
3-5-cJohn Deere 410K TC Backhoe Loader	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
3-5-cAuger Cast Caissons Drill Rig	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
3-5-dAP 600 D Cat Asphalt Paver	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18	
3-5-eLink Belt Conventional Lattice Crawler Crane	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03	
1-6-aScrapers Cat 657	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19	
1-6-aDozer D9T	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
1-6-aCat 140M3 Grader	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02	
1-6-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01	
1-6-a825 Compactors	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
1-6-aOff Highway Dump Truck Cat 770	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08	
1-6-aWheel Loader 986 H	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06	
1-6-cJohn Deere 410K TC Backhoe Loader	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
1-6-cAuger Cast Caissons Drill Rig	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
1-6-dAP 600 D Cat Asphalt Paver	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18	
1-6-eLink Belt Conventional Lattice Crawler Crane	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05	
1-6-eLink Belt Conventional Lattice Crawler Crane	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02	
2-7-aScrapers Cat 657	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19	
2-7-aDozer D9T	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
2-7-aCat 140M3 Grader	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02	
2-7-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01	
2-7-a825 Compactors	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
2-7-aOff Highway Dump Truck Cat 770	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08	
2-7-aWheel Loader 986 H	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06	
2-7-cJohn Deere 410K TC Backhoe Loader	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04	
2-7-cAuger Cast Caissons Drill Rig	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09	
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07	
2-7-dAP 600 D Cat Asphalt Paver	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03	
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
2-7-eLink Belt Conventional Lattice Crawler Crane	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03	
2-7-eLink Belt Conventional Lattice Crawler Crane	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02	
2-8-aScrapers Cat 657	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19	
2-8-aDozer D9T	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
2-8-aCat 140M3 Grader	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02	
2-8-aCat 374 F L	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01	
2-8-a825 Compactors	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10	
2-8-aOff Highway Dump Truck Cat 770	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08	
2-8-aWheel Loader 986 H	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06	
2-8-cJohn Deere 410K TC Backhoe Loader	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03	
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09	
2-8-cAuger Cast Caissons Drill Rig	0.15	0.65	2.49	0.02		0.02	0.01		0.01	0.01	1167.87	0.38	0.03	
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18	
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02	
2-8-dAP 600 D Cat Asphalt Paver	0.29	0.83	9.58	0.03		0.03	0.02		0.02	0.02	1505.80	0.49	0.04	
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18	
2-8-eLink Belt Conventional Lattice Crawler Crane	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02	

Construction - Mitigated Tier 4

Equipment Emission Calcs

Parcel	Phase	Activity	Sch Code	lookup for daily	Gal/Day	Pounds per day 2026														Gal/Day	Pounds per day 2027														Gal/Day				
					Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex
5	1	a	5-1-a	5-1-aScrapers Cat 657G	321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12
5	1	a	5-1-a	5-1-aDozer D9T	112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04
5	1	a	5-1-a	5-1-aExcavator 374 FL	33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01
5	1	a	5-1-a	5-1-a825 Compactors	112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	103.80	0.30	1.30	4.99	0.04		0.04	0.01		0.01	0.02	2335.74	0.76	0.06		103.80	0.30	1.30	4.99	0.04		0.04	0.01		0.01	0.02	2335.74	0.76	0.06		103.80	0.30	1.30	4.99	0.04
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	31.43	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02		31.43	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02		31.43	0.82	4.67	6.04	0.14
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01
4	2	a	4-2-a	4-2-aScrapers Cat 657G	428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16
4	2	a	4-2-a	4-2-aDozer D9T	225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09
4	2	a	4-2-a	4-2-aCat 140M3 Grader	30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01
4	2	a	4-2-a	4-2-aCat 374 F L	33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01
4	2	a	4-2-a	4-2-a825 Compactors	225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05
4	2	a	4-2-a	4-2-aWheel Loader 986 H	108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04
4	2	b	4-2-b	4-2-bKomatsu PC360LC	132.89	0.38	1.65	6.68	0.05		0.05	0.01		0.01	0.03	2990.29	0.97	0.08		132.89	0.38	1.65	6.68	0.05		0.05	0.01		0.01	0.03	2990.29	0.97	0.08		132.89	0.38	1.65	6.68	0.05
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	120.22	0.63	1.49	10.51	0.05		0.05	0.04		0.04	0.03	2705.13	0.87	0.07		120.22	0.63	1.49	10.51	0.05		0.05	0.04		0.04	0.03	2705.13	0.87	0.07		120.22	0.63	1.49	10.51	0.05
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02
4	4	a	4-4-a	4-4-aScrapers Cat 657G	321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12
4	4	a	4-4-a	4-4-aDozer D9T	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
4	4	a	4-4-a	4-4-aCat 140M3 Grader	15.17	0.08	0.21	0.85	0.01		0.01	0.00		0.00	0.00	341.29	0.11	0.01		15.17	0.08	0.21	0.85	0.01		0.01	0.00		0.00	0.00	341.29	0.11	0.01		15.17	0.08	0.21	0.85	0.01
4	4	a	4-4-a	4-4-aCat 374 F L	16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01
4	4	a	4-4-a	4-4-a825 Compactors	112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	67.68	0.28	0.83	3.79	0.03		0.03	0.01		0.01	0.02	1522.81	0.49	0.04		67.68	0.28	0.83	3.79	0.03		0.03	0.01		0.01	0.02	1522.81	0.49	0.04		67.68	0.28	0.83	3.79	0.03
4	4	a	4-4-a	4-4-aWheel Loader 986 H	54.41	0.25	0.68	3.33	0.02		0.02	0.01		0.01	0.01	1224.40	0.40	0.03		54.41	0.25	0.68	3.33	0.02		0.02	0.01		0.01	0.01	1224.40	0.40	0.03		54.41	0.25	0.68	3.33	0.02
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09
3	2	a	3-2-a	3-2-aScrapers Cat 657	214.22	0.94	2.65	13.66	0.08		0.08	0.05		0.05	0.05	4820.15	1.56	0.12		214.22	0.94	2.65	13.66	0.08		0.08	0.05		0.05	0.05	4820.15	1.56	0.12		214.22	0.94	2.65	13.66	0.08
3	2	a	3-2-a	3-2-aDozer D9T	112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04
3	2	a	3-2-a	3-2-aCat 140M3 Grader	30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01
3	2	a	3-2-a	3-2-aCat 374 F L	33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01
3	2	a	3-2-a	3-2-a825 Compactors	112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05
3	2	a	3-2-a	3-2-aWheel Loader 986 H	108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02
1	6	a	1-6-a	1-6-aScrapers Cat 657	321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12
1	6	a	1-6-a	1-6-aDozer D9T	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
1	6	a	1-6-a	1-6-aCat 140M3 Grader	30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01
1	6	a	1-6-a	1-6-aCat 374 F L	16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01
1	6	a	1-6-a	1-6-a825 Compactors	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05
1	6	a	1-6-a	1-6-aWheel Loader 986 H	108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01
2	7	a	2-7-a	2-7-aScrapers Cat 657	321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12
2	7	a	2-7-a	2-7-aDozer D9T	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
2	7	a	2-7-a	2-7-aCat 140M3 Grader	30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01
2	7	a	2-7-a	2-7-aCat 374 F L	16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01
2	7	a	2-7-a	2-7-a825 Compactors	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05
2	7	a	2-7-a	2-7-aWheel Loader 986 H	108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01
2	8	a	2-8-a	2-8-aScrapers Cat 657	321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12
2	8	a	2-8-a	2-8-aDozer D9T	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
2	8	a	2-8-a	2-8-aCat 140M3 Grader	30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01
2	8	a	2-8-a	2-8-aCat 374 F L	16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01
2	8	a	2-8-a	2-8-a825 Compactors	169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05
2	8	a	2-8-a	2-8-aWheel Loader 986 H	108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	51.90	0.15	0.65	2.49	0.02		0.02	0.01		0.01	0.01	1167.87	0.38	0.03		51.90	0.15	0.65	2.49	0.02		0.02	0.01		0.01	0.01	1167.87	0.38	0.03		51.90	0.15	0.65	2.49	0.02
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	66.92	0.29	0.83	9.58	0.03		0.03	0.02		0.02	0.02	1505.80	0.49	0.04		66.92	0.29	0.83	9.58	0.03		0.03	0.02		0.02	0.02	1505.80	0.49	0.04		66.92	0.29	0.83	9.58	0.03
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01

Construction - Mitigated Tier 4

Equipment Emission Calcs

					Pounds per day										Gal/Day	Pounds per day														Gal/Day	Pounds per day								
					2028											2029															2030								
Parcel	Phase	Activity	Sch Code	lookup for daily	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T
5	1	a	5-1-a	5-1-aScrapers Cat 657G		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.98	3.98	18.13	0.12		0.12	0.06		0.06
5	1	a	5-1-a	5-1-aDozer D9T		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.69	1.39	6.43	0.04		0.04	0.02		0.02
5	1	a	5-1-a	5-1-aExcavator 374 FL		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.16	0.41	1.73	0.01		0.01	0.00		0.00
5	1	a	5-1-a	5-1-a825 Compactors		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.69	1.39	6.43	0.04		0.04	0.02		0.02
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.28	0.54	7.66	0.02		0.02	0.00		0.00
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig		0.04	0.01		0.01	0.02	2335.74	0.76	0.06		103.80	0.30	1.30	4.99	0.04		0.04	0.01		0.01	0.02	2335.74	0.76	0.06		103.80	0.32	1.30	5.03	0.04		0.04	0.00		0.00
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.14	0.14		0.14	0.01	707.23	0.07	0.02		31.43	0.82	4.67	6.04	0.14		0.14	0.14		0.14	0.01	707.23	0.07	0.02		31.43	0.63	4.16	5.86	0.06		0.06	0.06		0.06
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	1.56	0.01		0.01	0.00		0.00
4	2	a	4-2-a	4-2-aScrapers Cat 657G		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	2.64	5.31	24.18	0.16		0.16	0.07		0.07
4	2	a	4-2-a	4-2-aDozer D9T		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.38	2.78	12.85	0.09		0.09	0.04		0.04
4	2	a	4-2-a	4-2-aCat 140M3 Grader		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.16	0.37	1.66	0.01		0.01	0.00		0.00
4	2	a	4-2-a	4-2-aCat 374 F L		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.16	0.41	1.73	0.01		0.01	0.00		0.00
4	2	a	4-2-a	4-2-a825 Compactors		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.38	2.78	12.85	0.09		0.09	0.04		0.04
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.69	1.67	7.08	0.05		0.05	0.01		0.01
4	2	a	4-2-a	4-2-aWheel Loader 986 H		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.54	1.36	5.66	0.04		0.04	0.01		0.01
4	2	b	4-2-b	4-2-bKomatsu PC360LC		0.05	0.01		0.01	0.03	2990.29	0.97	0.08		132.89	0.38	1.65	6.68	0.05		0.05	0.01		0.01	0.03	2990.29	0.97	0.08		132.89	0.64	1.65	6.92	0.05		0.05	0.01		0.01
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		0.05	0.04		0.04	0.03	2705.13	0.87	0.07		120.22	0.63	1.49	10.51	0.05		0.05	0.04		0.04	0.03	2705.13	0.87	0.07		120.22	0.64	1.49	6.25	0.05		0.05	0.01		0.01
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	1.56	0.01		0.01	0.00		0.00
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.32	0.75	3.12	0.02		0.02	0.01		0.01
4	4	a	4-4-a	4-4-aScrapers Cat 657G		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.98	3.98	18.13	0.12		0.12	0.06		0.06
4	4	a	4-4-a	4-4-aDozer D9T		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03
4	4	a	4-4-a	4-4-aCat 140M3 Grader		0.01	0.00		0.00	0.00	341.29	0.11	0.01		15.17	0.08	0.21	0.85	0.01		0.01	0.00		0.00	0.00	341.29	0.11	0.01		15.17	0.08	0.19	0.83	0.01		0.01	0.00		0.00
4	4	a	4-4-a	4-4-aCat 374 F L		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.08	0.21	0.86	0.01		0.01	0.00		0.00
4	4	a	4-4-a	4-4-a825 Compactors		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.69	1.39	6.43	0.04		0.04	0.02		0.02
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770		0.03	0.01		0.01	0.02	1522.81	0.49	0.04		67.68	0.28	0.83	3.79	0.03		0.03	0.01		0.01	0.02	1522.81	0.49	0.04		67.68	0.35	0.83	3.54	0.03		0.03	0.00		0.00
4	4	a	4-4-a	4-4-aWheel Loader 986 H		0.02	0.01		0.01	0.01	1224.40	0.40	0.03		54.41	0.25	0.68	3.33	0.02		0.02	0.01		0.01	0.01	1224.40	0.40	0.03		54.41	0.27	0.68	2.83	0.02		0.02	0.00		0.00
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.48	1.12	4.69	0.03		0.03	0.01		0.01
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	1.87	5.31	27.33	0.16		0.16	0.11		0.11	0.10	9640.30	3.12	0.25		428.43	2.64	5.31	24.18	0.16		0.16	0.07		0.07
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.11	2.78	18.39	0.09		0.09	0.07		0.07	0.05	5076.07	1.64	0.13		225.59	1.38	2.78	12.85	0.09		0.09	0.04		0.04
3	2	a	3-2-a	3-2-aScrapers Cat 657		0.08	0.05		0.05	0.05	4820.15	1.56	0.12		214.22	0.94	2.65	13.66	0.08		0.08	0.05		0.05	0.05	4820.15	1.56	0.12		214.22	1.32	2.65	12.09	0.08		0.08	0.04		0.04
3	2	a	3-2-a	3-2-aDozer D9T		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.69	1.39	6.43	0.04		0.04	0.02		0.02
3	2	a	3-2-a	3-2-aCat 140M3 Grader		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.16	0.37	1.66	0.01		0.01	0.00		0.00
3	2	a	3-2-a	3-2-aCat 374 F L		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.10	0.41	1.67	0.01		0.01	0.00		0.00	0.01	747.57	0.24	0.02		33.22	0.16	0.41	1.73	0.01		0.01	0.00		0.00
3	2	a	3-2-a	3-2-a825 Compactors		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.56	1.39	9.19	0.04		0.04	0.04		0.04	0.03	2538.03	0.82	0.07		112.79	0.69	1.39	6.43	0.04		0.04	0.02		0.02
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.69	1.67	7.08	0.05		0.05	0.01		0.01
3	2	a	3-2-a	3-2-aWheel Loader 986 H		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.54	1.36	5.66	0.04		0.04	0.01		0.01
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.79	3.19	12.13	0.10		0.10	0.02		0.02
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.32	0.75	3.12	0.02		0.02	0.01		0.01
1	6	a	1-6-a	1-6-aScrapers Cat 657		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.98	3.98	18.13	0.12		0.12	0.06		0.06
1	6	a	1-6-a	1-6-aDozer D9T		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03
1	6	a	1-6-a	1-6-aCat 140M3 Grader		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.16	0.37	1.66	0.01		0.01	0.00		0.00
1	6	a	1-6-a	1-6-aCat 374 F L		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.08	0.21	0.86	0.01		0.01	0.00		0.00
1	6	a	1-6-a	1-6-a825 Compactors		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.69	1.67	7.08	0.05		0.05	0.01		0.01
1	6	a	1-6-a	1-6-aWheel Loader 986 H		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.54	1.36	5.66	0.04		0.04	0.01		0.01
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.79	3.19	12.13	0.10		0.10	0.02		0.02
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.47	1.12	7.88	0.03		0.03	0.03		0.03	0.02	2028.85	0.66	0.05		90.17	0.48	1.12	4.69	0.03		0.03	0.01		0.01
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	1.56	0.01		0.01	0.00		0.00
2	7	a	2-7-a	2-7-aScrapers Cat 657		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.98	3.98	18.13	0.12		0.12	0.06		0.06
2	7	a	2-7-a	2-7-aDozer D9T		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03
2	7	a	2-7-a	2-7-aCat 140M3 Grader		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.16	0.37	1.66	0.01		0.01	0.00		0.00
2	7	a	2-7-a	2-7-aCat 374 F L		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.08	0.21	0.86	0.01		0.01	0.00		0.00
2	7	a	2-7-a	2-7-a825 Compactors		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.69	1.67	7.08	0.05		0.05	0.01		0.01
2	7	a	2-7-a	2-7-aWheel Loader 986 H		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.54	1.36	5.66	0.04		0.04	0.01		0.01
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.36	0.90	12.13	0.03		0.03	0.01		0.01	0.02	1643.72	0.53	0.04		73.05	0.47	0.90	12.76	0.03		0.03	0.00		0.00
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.45	1.95	7.48	0.06		0.06	0.02		0.02	0.04	3503.62	1.13	0.09		155.71	0.48	1.95	7.54	0.06		0.06	0.01		0.01
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.36	1.20	4.56	0.04		0.04	0.01		0.01	0.02	2614.52	0.06	0.07		116.19	0.30	1.20	4.55	0.04		0.04	0.01		0.01
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.23	0.66	7.67	0.02		0.02	0.01		0.01	0.01	1204.64	0.39	0.03		53.54	0.38	0.66	8.48	0.02		0.02	0.01		0.01
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.31	0.75	5.25	0.02		0.02	0.02		0.02	0.01	1352.57	0.44	0.03		60.11	0.32	0.75	3.12	0.02		0.02	0.01		0.01
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	1.56	0.01		0.01	0.00		0.00
2	8	a	2-8-a	2-8-aScrapers Cat 657		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.41	3.98	20.49	0.12		0.12	0.08		0.08	0.08	7230.23	2.34	0.19		321.32	1.98	3.98	18.13	0.12		0.12	0.06		0.06
2	8	a	2-8-a	2-8-aDozer D9T		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03
2	8	a	2-8-a	2-8-aCat 140M3 Grader		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.17	0.41	1.70	0.01		0.01	0.01		0.01	0.01	682.58	0.22	0.02		30.33	0.16	0.37	1.66	0.01		0.01	0.00		0.00
2	8	a	2-8-a	2-8-aCat 374 F L		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.05	0.21	0.84	0.01		0.01	0.00		0.00	0.00	373.79	0.12	0.01		16.61	0.08	0.21	0.86	0.01		0.01	0.00		0.00
2	8	a	2-8-a	2-8-a825 Compactors		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	0.83	2.09	13.79	0.06		0.06	0.05		0.05	0.04	3807.05	1.23	0.10		169.19	1.03	2.09	9.64	0.06		0.06	0.03		0.03
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.57	1.67	7.58	0.05		0.05	0.02		0.02	0.03	3045.63	0.98	0.08		135.35	0.69	1.67	7.08	0.05		0.05	0.01		0.01
2	8	a	2-8-a	2-8-aWheel Loader 986 H		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.50	1.36	6.66	0.04		0.04	0.02		0.02	0.03	2448.79	0.79	0.06		108.83	0.54	1.36	5.66	0.04		0.04	0.01		0.01
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.22	0.54	7.28	0.02		0.02	0.01		0.01	0.01	986.23	0.32	0.03		43.83	0.28	0.54	7.66	0.02		0.02	0.00		0.00
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.48	1.59	6.09	0.05		0.05	0.02		0.02	0.03	3486.03	0.09	0.09		154.93	0.40	1.59	6.07	0.05		0.05	0.01		0.01
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig		0.02	0.01		0.01	0.01	1167.87	0.38	0.03		51.90	0.15	0.65	2.49	0.02		0.02	0.01		0.01	0.01	1167.87	0.38	0.03		51.90	0.16	0.65	2.51	0.02		0.02	0.00		0.00
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.79	3.19	12.13	0.10		0.10	0.02		0.02
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.68	3.89	5.03	0.12		0.12	0.12		0.12	0.01	589.36	0.06	0.02		26.19	0.52	3.46	4.89	0.05		0.05	0.05		0.05
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver		0.03	0.02		0.02	0.02	1505.80	0.49	0.04		66.92	0.29	0.83	9.58	0.03		0.03	0.02		0.02	0.02	1505.80	0.49	0.04		66.92	0.48	0.83	10.60	0.03		0.03	0.02		0.02
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.96	3.19	12.17	0.10		0.10	0.03		0.03	0.06	6972.07	0.17	0.18		309.85	0.79	3.19	12.13	0.10		0.10	0.02		0.02
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	2.63	0.01		0.01	0.01		0.01	0.01	676.28	0.22	0.02		30.06	0.16	0.37	1.56	0.01		0.01	0.00		0.00

Construction - Mitigated Tier 4

Equipment Emission Calcs

										Gal/Day
Parcel	Phase	Activity	Sch Code	lookup for daily	SOX	CO2	CH4	N2O	Other	Fuel
5	1	a	5-1-a	5-1-aScrapers Cat 657G	0.08	8703.24	0.35	0.22		386.79
5	1	a	5-1-a	5-1-aDozer D9T	0.03	3042.91	0.12	0.08		135.23
5	1	a	5-1-a	5-1-aExcavator 374 FL	0.01	903.36	0.03	0.02		40.15
5	1	a	5-1-a	5-1-a825 Compactors	0.03	3042.91	0.12	0.08		135.23
5	1	c	5-1-c	5-1-cJohn Deere 410K TC Backhoe Loader	0.01	1174.53	0.05	0.03		52.20
5	1	c	5-1-c	5-1-cAuger Cast Caissons Drill Rig	0.02	2840.64	0.05	0.07		126.24
5	1	d	5-1-d	5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.05	0.07		116.19
5	1	d	5-1-d	5-1-dAP 600 D Cat Asphalt Paver	0.02	1448.93	0.07	0.04		64.39
5	1	d	5-1-d	5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	707.23	0.06	0.02		31.43
5	1	e	5-1-e	5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.07	0.09		154.92
5	1	e	5-1-e	5-1-eLink Belt Conventional Lattice Crawler Crane	0.01	814.32	0.03	0.02		36.19
4	2	a	4-2-a	4-2-aScrapers Cat 657G	0.10	11604.32	0.47	0.30		515.72
4	2	a	4-2-a	4-2-aDozer D9T	0.05	6085.82	0.25	0.16		270.46
4	2	a	4-2-a	4-2-aCat 140M3 Grader	0.01	819.29	0.03	0.02		36.41
4	2	a	4-2-a	4-2-aCat 374 F L	0.01	903.36	0.03	0.02		40.15
4	2	a	4-2-a	4-2-a825 Compactors	0.05	6085.82	0.25	0.16		270.46
4	2	a	4-2-a	4-2-aOff Highway Dump Truck Cat 770	0.03	3644.08	0.12	0.09		161.95
4	2	a	4-2-a	4-2-aWheel Loader 986 H	0.03	2966.35	0.09	0.08		131.83
4	2	b	4-2-b	4-2-bKomatsu PC360LC	0.03	3613.46	0.11	0.09		160.59
4	2	c	4-2-c	4-2-cAuger Cast Caissons Drill Rig	0.04	4260.96	0.08	0.11		189.36
4	2	c	4-2-c	4-2-cJohn Deere 410K TC Backhoe Loader	0.02	1957.56	0.08	0.05		87.00
4	2	d	4-2-d	4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.05	0.07		116.19
4	2	d	4-2-d	4-2-dAP 600 D Cat Asphalt Paver	0.02	1448.93	0.07	0.04		64.39
4	2	d	4-2-d	4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.05	0.02		26.19
4	2	e	4-2-e	4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.07	0.09		154.92
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	0.03	3257.27	0.11	0.08		144.76
4	2	e	4-2-e	4-2-eLink Belt Conventional Lattice Crawler Crane	0.01	814.32	0.03	0.02		36.19
4	3	c	4-3-c	4-3-cJohn Deere 410K TC Backhoe Loader	0.02	1957.56	0.08	0.05		87.00
4	3	c	4-3-c	4-3-cAuger Cast Caissons Drill Rig	0.04	4260.96	0.08	0.11		189.36
4	3	c	4-3-c	4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.07	0.09		154.92
4	3	d	4-3-d	4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.05	0.07		116.19
4	3	d	4-3-d	4-3-dAP 600 D Cat Asphalt Paver	0.02	1448.93	0.07	0.04		64.39
4	3	d	4-3-d	4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.05	0.02		26.19
4	3	e	4-3-e	4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.07	0.09		154.92
4	3	e	4-3-e	4-3-eLink Belt Conventional Lattice Crawler Crane	0.01	1628.63	0.06	0.04		72.38
4	4	a	4-4-a	4-4-aScrapers Cat 657G	0.08	8703.24	0.35	0.22		386.79
4	4	a	4-4-a	4-4-aDozer D9T	0.04	4564.37	0.18	0.12		202.85
4	4	a	4-4-a	4-4-aCat 140M3 Grader	0.00	409.64	0.01	0.01		18.21
4	4	a	4-4-a	4-4-aCat 374 F L	0.00	451.68	0.01	0.01		20.07
4	4	a	4-4-a	4-4-a825 Compactors	0.03	3042.91	0.12	0.08		135.23
4	4	a	4-4-a	4-4-aOff Highway Dump Truck Cat 770	0.02	1822.04	0.06	0.05		80.97
4	4	a	4-4-a	4-4-aWheel Loader 986 H	0.01	1483.18	0.05	0.04		65.91
4	4	c	4-4-c	4-4-cJohn Deere 410K TC Backhoe Loader	0.02	1957.56	0.08	0.05		87.00
4	4	c	4-4-c	4-4-cAuger Cast Caissons Drill Rig	0.04	4260.96	0.08	0.11		189.36
4	4	c	4-4-c	4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.07	0.09		154.92
4	4	d	4-4-d	4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.05	0.07		116.19
4	4	d	4-4-d	4-4-dAP 600 D Cat Asphalt Paver	0.02	1448.93	0.07	0.04		64.39
4	4	d	4-4-d	4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.05	0.02		26.19
4	4	e	4-4-e	4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.07	0.09		154.92
4	4	e	4-4-e	4-4-eLink Belt Conventional Lattice Crawler Crane	0.02	2442.95	0.09	0.06		108.57
3	2	dirt	3-2-dirt	3-2-dirtScrapers Cat 657	0.10	11604.32	0.47	0.30		515.72
3	2	dirt	3-2-dirt	3-2-dirtDozer D9T	0.05	6085.82	0.25	0.16		270.46
3	2	a	3-2-a	3-2-aScrapers Cat 657	0.05	5802.16	0.23	0.15		257.86
3	2	a	3-2-a	3-2-aDozer D9T	0.03	3042.91	0.12	0.08		135.23
3	2	a	3-2-a	3-2-aCat 140M3 Grader	0.01	819.29	0.03	0.02		36.41
3	2	a	3-2-a	3-2-aCat 374 F L	0.01	903.36	0.03	0.02		40.15
3	2	a	3-2-a	3-2-a825 Compactors	0.03	3042.91	0.12	0.08		135.23
3	2	a	3-2-a	3-2-aOff Highway Dump Truck Cat 770	0.03	3644.08	0.12	0.09		161.95
3	2	a	3-2-a	3-2-aWheel Loader 986 H	0.03	2966.35	0.09	0.08		131.83
3	5	c	3-5-c	3-5-cJohn Deere 410K TC Backhoe Loader	0.02	1957.56	0.08	0.05		87.00
3	5	c	3-5-c	3-5-cAuger Cast Caissons Drill Rig	0.04	4260.96	0.08	0.11		189.36
3	5	c	3-5-c	3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.07	0.09		154.92
3	5	d	3-5-d	3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.05	0.07		116.19
3	5	d	3-5-d	3-5-dAP 600 D Cat Asphalt Paver	0.02	1448.93	0.07	0.04		64.39
3	5	d	3-5-d	3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.05	0.02		26.19
3	5	e	3-5-e	3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.05	0.13	0.18		309.85
3	5	e	3-5-e	3-5-eLink Belt Conventional Lattice Crawler Crane	0.01	1628.63	0.06	0.04		72.38
1	6	a	1-6-a	1-6-aScrapers Cat 657	0.08	8703.24	0.35	0.22		386.79
1	6	a	1-6-a	1-6-aDozer D9T	0.04	4564.37	0.18	0.12		202.85
1	6	a	1-6-a	1-6-aCat 140M3 Grader	0.01	819.29	0.03	0.02		36.41
1	6	a	1-6-a	1-6-aCat 374 F L	0.00	451.68	0.01	0.01		20.07
1	6	a	1-6-a	1-6-a825 Compactors	0.04	4564.37	0.18	0.12		202.85
1	6	a	1-6-a	1-6-aOff Highway Dump Truck Cat 770	0.03	3644.08	0.12	0.09		161.95
1	6	a	1-6-a	1-6-aWheel Loader 986 H	0.03	2966.35	0.09	0.08		131.83
1	6	c	1-6-c	1-6-cJohn Deere 410K TC Backhoe Loader	0.02	1957.56	0.08	0.05		87.00
1	6	c	1-6-c	1-6-cAuger Cast Caissons Drill Rig	0.04	4260.96	0.08	0.11		189.36
1	6	c	1-6-c	1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.07	0.09		154.92
1	6	d	1-6-d	1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.05	0.07		116.19
1	6	d	1-6-d	1-6-dAP 600 D Cat Asphalt Paver	0.02	1448.93	0.07	0.04		64.39
1	6	d	1-6-d	1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.05	0.02		26.19
1	6	e	1-6-e	1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.05	0.13	0.18		309.85
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.02	2442.95	0.09	0.06		108.57
1	6	e	1-6-e	1-6-eLink Belt Conventional Lattice Crawler Crane	0.01	814.32	0.03	0.02		36.19
2	7	a	2-7-a	2-7-aScrapers Cat 657	0.08	8703.24	0.35	0.22		386.79
2	7	a	2-7-a	2-7-aDozer D9T	0.04	4564.37	0.18	0.12		202.85
2	7	a	2-7-a	2-7-aCat 140M3 Grader	0.01	819.29	0.03	0.02		36.41
2	7	a	2-7-a	2-7-aCat 374 F L	0.00	451.68	0.01	0.01		20.07
2	7	a	2-7-a	2-7-a825 Compactors	0.04	4564.37	0.18	0.12		202.85
2	7	a	2-7-a	2-7-aOff Highway Dump Truck Cat 770	0.03	3644.08	0.12	0.09		161.95
2	7	a	2-7-a	2-7-aWheel Loader 986 H	0.03	2966.35	0.09	0.08		131.83
2	7	c	2-7-c	2-7-cJohn Deere 410K TC Backhoe Loader	0.02	1957.56	0.08	0.05		87.00
2	7	c	2-7-c	2-7-cAuger Cast Caissons Drill Rig	0.04	4260.96	0.08	0.11		189.36
2	7	c	2-7-c	2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.07	0.09		154.92
2	7	d	2-7-d	2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.02	2614.52	0.05	0.07		116.19
2	7	d	2-7-d	2-7-dAP 600 D Cat Asphalt Paver	0.02	1448.93	0.07	0.04		64.39
2	7	d	2-7-d	2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.05	0.02		26.19
2	7	e	2-7-e	2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.07	0.09		154.92
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.01	1628.63	0.06	0.04		72.38
2	7	e	2-7-e	2-7-eLink Belt Conventional Lattice Crawler Crane	0.01	814.32	0.03	0.02		36.19
2	8	a	2-8-a	2-8-aScrapers Cat 657	0.08	8703.24	0.35	0.22		386.79
2	8	a	2-8-a	2-8-aDozer D9T	0.04	4564.37	0.18	0.12		202.85
2	8	a	2-8-a	2-8-aCat 140M3 Grader	0.01	819.29	0.03	0.02		36.41
2	8	a	2-8-a	2-8-aCat 374 F L	0.00	451.68	0.01	0.01		20.07
2	8	a	2-8-a	2-8-a825 Compactors	0.04	4564.37	0.18	0.12		202.85
2	8	a	2-8-a	2-8-aOff Highway Dump Truck Cat 770	0.03	3644.08	0.12	0.09		161.95
2	8	a	2-8-a	2-8-aWheel Loader 986 H	0.03	2966.35	0.09	0.08		131.83
2	8	c	2-8-c	2-8-cJohn Deere 410K TC Backhoe Loader	0.01	1174.53	0.05	0.03		52.20
2	8	c	2-8-c	2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.03	3486.03	0.07	0.09		154.92
2	8	c	2-8-c	2-8-cAuger Cast Caissons Drill Rig	0.01	1420.32	0.03	0.04		63.12
2	8	d	2-8-d	2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.05	0.13	0.18		309.85
2	8	d	2-8-d	2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	0.01	589.36	0.05	0.02		26.19
2	8	d	2-8-d	2-8-dAP 600 D Cat Asphalt Paver	0.02	1811.16	0.09	0.05		80.49
2	8	e	2-8-e	2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	0.06	6972.05	0.13	0.18		309.85
2	8	e	2-8-e	2-8-eLink Belt Conventional Lattice Crawler Crane	0.01	814.32	0.03	0.02		36.19

Construction - Mitigated Tier 4

Truck Emissions

											Pounds per day															Gal/Day					
											2017																				
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	Trucks/ Day	speed	location	Mi/Truck (r/t)	Fuel type	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D
5	1	a	5-1-a	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
5	1	b	5-1-a	Landfill	T7Single	12.00	Aggregate	offsite	7.2	Diesel	0.01	0.30	0.07	0.00	0.18	0.18	0.00	0.05	0.05	0.00	313.70	0.00	0.01		13.94	0.01	0.30	0.07	0.00	0.18
5	1	c	5-1-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
5	1	c	5-1-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
5	1	c	5-1-c	Concrete	T7Single	12.00	Aggregate	offsite	4	Diesel	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	174.28	0.00	0.01		7.75	0.01	0.17	0.04	0.00	0.10
5	1	d	5-1-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	Diesel	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.43	0.00	0.00		3.49	0.00	0.10	0.02	0.00	0.06
5	1	d	5-1-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
5	1	d	5-1-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
5	1	e	5-1-e	Delivery	T6Heavy	15.00	Aggregate	offsite	14.6	Diesel	0.02	0.71	0.11	0.00	0.47	0.47	0.00	0.13	0.13	0.01	588.23	0.00	0.02		26.14	0.02	0.74	0.12	0.00	0.45
5	1	e	5-1-e	Concrete	T7Single	5.00	Aggregate	offsite	4	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
4	2	a	4-2-a	Dump	T7Single	5.00	Aggregate	offsite	7.2	Diesel	0.01	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	130.71	0.00	0.00		5.81	0.01	0.13	0.03	0.00	0.07
4	2	b	4-2-b	Landfill	T7Single	34.30	Aggregate	offsite	7.2	Diesel	0.04	0.85	0.20	0.00	0.51	0.51	0.00	0.13	0.14	0.01	896.67	0.00	0.03		39.85	0.04	0.86	0.21	0.00	0.51
4	2	c	4-2-c	Delivery	T6Heavy	21.00	Aggregate	offsite	14.6	Diesel	0.03	0.99	0.16	0.00	0.66	0.66	0.00	0.18	0.18	0.01	823.52	0.00	0.03		36.60	0.03	1.03	0.16	0.00	0.63
4	2	c	4-2-c	Dump	T7Single	9.00	Aggregate	offsite	7.2	Diesel	0.01	0.22	0.05	0.00	0.13	0.13	0.00	0.03	0.04	0.00	235.28	0.00	0.01		10.46	0.01	0.23	0.05	0.00	0.13
4	2	c	4-2-c	Concrete	T7Single	36.00	Aggregate	offsite	4	Diesel	0.02	0.50	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	522.84	0.00	0.02		23.24	0.02	0.50	0.12	0.00	0.30
4	2	d	4-2-d	Delivery	T6Heavy	8.00	Aggregate	offsite	14.6	Diesel	0.01	0.38	0.06	0.00	0.25	0.25	0.00	0.07	0.07	0.00	313.72	0.00	0.01		13.94	0.01	0.39	0.06	0.00	0.24
4	2	d	4-2-d	Asphalt	T7Single	8.00	Aggregate	offsite	10	Diesel	0.01	0.28	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	290.47	0.00	0.01		12.91	0.01	0.28	0.07	0.00	0.16
4	2	d	4-2-d	Concrete	T7Single	8.00	Aggregate	offsite	4	Diesel	0.00	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	116.19	0.00	0.00		5.16	0.00	0.11	0.03	0.00	0.07
4	2	e	4-2-e	Delivery	T6Heavy	15.00	Aggregate	offsite	14.6	Diesel	0.02	0.71	0.11	0.00	0.47	0.47	0.00	0.13	0.13	0.01	588.23	0.00	0.02		26.14	0.02	0.74	0.12	0.00	0.45
4	2	e	4-2-e	Concrete	T7Single	14.00	Aggregate	offsite	4	Diesel	0.01	0.19	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	203.33	0.00	0.01		9.04	0.01	0.19	0.05	0.00	0.11
4	3	c	4-3-c	Delivery	T6Heavy	14.00	Aggregate	offsite	14.6	Diesel	0.02	0.66	0.11	0.00	0.44	0.44	0.00	0.12	0.12	0.01	549.01	0.00	0.02		24.40	0.02	0.69	0.11	0.00	0.42
4	3	c	4-3-c	Dump	T7Single	6.00	Aggregate	offsite	7.2	Diesel	0.01	0.15	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	156.85	0.00	0.01		6.97	0.01	0.15	0.04	0.00	0.09
4	3	c	4-3-c	Concrete	T7Single	24.00	Aggregate	offsite	4	Diesel	0.01	0.33	0.08	0.00	0.20	0.20	0.00	0.05	0.05	0.00	348.56	0.00	0.01		15.49	0.01	0.33	0.08	0.00	0.20
4	3	d	4-3-d	Delivery	T6Heavy	1.00	Aggregate	offsite	14.6	Diesel	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.22	0.00	0.00		1.74	0.00	0.05	0.01	0.00	0.03
4	3	d	4-3-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
4	3	d	4-3-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
4	3	e	4-3-e	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
4	3	e	4-3-e	Concrete	T7Single	3.00	Aggregate	offsite	4	Diesel	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	43.57	0.00	0.00		1.94	0.00	0.04	0.01	0.00	0.02
4	4	a	4-4-a	Landfill	T7Single	3.23	Aggregate	offsite	7.2	Diesel	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	84.56	0.00	0.00		3.76	0.00	0.08	0.02	0.00	0.05
4	4	a	4-4-a	Dump	T7Single	20.00	Aggregate	offsite	7.2	Diesel	0.02	0.50	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	522.84	0.00	0.02		23.24	0.02	0.50	0.12	0.00	0.30
4	4	c	4-4-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
4	4	c	4-4-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
4	4	c	4-4-c	Concrete	T7Single	12.00	Aggregate	offsite	4	Diesel	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	174.28	0.00	0.01		7.75	0.01	0.17	0.04	0.00	0.10
4	4	d	4-4-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	Diesel	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.43	0.00	0.00		3.49	0.00	0.10	0.02	0.00	0.06
4	4	d	4-4-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
4	4	d	4-4-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
4	4	e	4-4-e	Delivery	T6Heavy	17.00	Aggregate	offsite	14.6	Diesel	0.03	0.80	0.13	0.00	0.53	0.54	0.00	0.15	0.15	0.01	666.66	0.00	0.02		29.63	0.03	0.84	0.13	0.00	0.51
4	4	e	4-4-e	Concrete	T7Single	6.00	Aggregate	offsite	4	Diesel	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	87.14	0.00	0.00		3.87	0.00	0.08	0.02	0.00	0.05
3	2	a	3-2-a	Landfill	T7Single	0.70	Aggregate	offsite	7.2	Diesel	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	18.30	0.00	0.00		0.81	0.00	0.02	0.00	0.00	0.01
3	2	a	3-2-a	Dump	T7Single	2.00	Aggregate	offsite	7.2	Diesel	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	52.28	0.00	0.00		2.32	0.00	0.05	0.01	0.00	0.03
3	5	c	3-5-c	Delivery	T6Heavy	5.00	Aggregate	offsite	14.6	Diesel	0.01	0.24	0.04	0.00	0.16	0.16	0.00	0.04	0.04	0.00	196.08	0.00	0.01		8.71	0.01	0.25	0.04	0.00	0.15
3	5	c	3-5-c	Dump	T7Single	4.73	Aggregate	offsite	7.2	Diesel	0.00	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	123.74	0.00	0.00		5.50	0.01	0.12	0.03	0.00	0.07
3	5	c	3-5-c	Concrete	T7Single	5.00	Aggregate	offsite	4	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
3	5	d	3-5-d	Delivery	T6Heavy	1.02	Aggregate	offsite	14.6	Diesel	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	40.00	0.00	0.00		1.78	0.00	0.05	0.01	0.00	0.03
3	5	d	3-5-d	Asphalt	T7Single	1.00	Aggregate	offsite	10	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	36.31	0.00	0.00		1.61	0.00	0.03	0.01	0.00	0.02
3	5	d	3-5-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
3	5	e	3-5-e	Delivery	T6Heavy	11.00	Aggregate	offsite	14.6	Diesel	0.02	0.52	0.08	0.00	0.35	0.35	0.00	0.09	0.10	0.00	431.37	0.00	0.01		19.17	0.02	0.54	0.09	0.00	0.33
3	5	e	3-5-e	Concrete	T7Single	4.00	Aggregate	offsite	4	Diesel	0.00	0.06	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	58.09	0.00	0.00		2.58	0.00	0.06	0.01	0.00	0.03
1	6	a	1-6-a	Dump	T7Single	1.00	Aggregate	offsite	7.2	Diesel	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	26.14	0.00	0.00		1.16	0.00	0.03	0.01	0.00	0.01
1	6	c	1-6-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
1	6	c	1-6-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
1	6	c	1-6-c	Concrete	T7Single	12.00	Aggregate	offsite	4	Diesel	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	174.28	0.00	0.01		7.75	0.01	0.17	0.04	0.00	0.10
1	6	d	1-6-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	Diesel	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.43	0.00	0.00		3.49	0.00	0.10	0.02	0.00	0.06
1	6	d	1-6-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
1	6	d	1-6-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
1	6	e	1-6-e	Delivery	T6Heavy	16.00	Aggregate	offsite	14.6	Diesel	0.02	0.75	0.12	0.00	0.50	0.50	0.00	0.14	0.14	0.01	627.44	0.00	0.02		27.88	0.02	0.79	0.13	0.00	0.48
1	6	e	1-6-e	Concrete	T7Single	5.00	Aggregate	offsite	4	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
2	7	a	2-7-a	Dump	T7Single	1.00	Aggregate	offsite	7.2	Diesel	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	26.14	0.00	0.00		1.16	0.00	0.03	0.01	0.00	0.01
2	7	c	2-7-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
2	7	c	2-7-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
2	7	c	2-7-c	Concrete	T7Single	12.00	Aggregate	offsite	4	Diesel	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	174.28	0.00	0.01		7.75	0.01	0.17	0.04	0.00	0.10
2	7	d	2-7-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	Diesel	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.43	0.00	0.00		3.49	0.00	0.10	0.02	0.00	0.06
2	7	d	2-7-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
2	7	d	2-7-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
2	7	e	2-7-e	Delivery	T6Heavy	14.00	Aggregate	offsite	14.6	Diesel	0.02	0.66	0.11	0.00	0.44	0.44	0.00	0.12	0.12	0.01	549.01	0.00	0.02		24.40	0.02	0.69	0.11	0.00	0.42
2	7	e	2-7-e	Concrete	T7Single	5.00	Aggregate	offsite	4	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
2	8	a	2-8-a	Dump	T7Single	1.00	Aggregate	offsite	7.2	Diesel	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	26.14	0.00	0.00		1.16	0.00	0.03	0.01	0.00	0.01
2	8	c	2-8-c	Delivery	T6Heavy	7.00	Aggregate	offsite	14.6	Diesel	0.01	0.33	0.05	0.00	0.22	0.22	0.00	0.06	0.06	0.00	274.51	0.00	0.01		12.20	0.01	0.34	0.05	0.00	0.21
2	8	c	2-8-c	Dump	T7Single	3.00	Aggregate	offsite	7.2	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	78.43	0.00	0.00		3.49	0.00	0.08	0.02	0.00	0.04
2	8	c	2-8-c	Concrete	T7Single	12.00	Aggregate	offsite	4	Diesel	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	174.28	0.00	0.01		7.75	0.01	0.17	0.04	0.00	0.10
2	8	d	2-8-d	Delivery	T6Heavy	2.00	Aggregate	offsite	14.6	Diesel	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.43	0.00	0.00		3.49	0.00	0.10	0.02	0.00	0.06
2	8	d	2-8-d	Asphalt	T7Single	2.00	Aggregate	offsite	10	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04
2	8	d	2-8-d	Concrete	T7Single	2.00	Aggregate	offsite	4	Diesel	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	29.05	0.00	0.00		1.29	0.00	0.03	0.01	0.00	0.02
2	8	e	2-8-e	Delivery	T6Heavy	14.00	Aggregate	offsite	14.6	Diesel	0.02	0.66	0.11	0.00	0.44	0.44	0.00	0.12	0.12	0.01	549.01	0.00	0.02		24.40	0.02	0.69	0.11	0.00	0.42
2	8	e	2-8-e	Concrete	T7Single	5.00	Aggregate	offsite	4	Diesel	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	72.62	0.00	0.00		3.23	0.00	0.07	0.02	0.00	0.04

Construction - Mitigated Tier 4

Truck Emissions

						Pounds per day 2018									Gal/Day	Pounds per day 2019															Gal/Day	
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG
5	1	a	5-1-a	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44	0.00
5	1	b	5-1-a	Landfill	T7Single	0.18	0.00	0.05	0.05	0.00	311.75	0.00	0.01		13.85	0.01	0.30	0.07	0.00	0.18	0.18	0.00	0.05	0.05	0.00	309.56	0.00	0.01		13.76	0.01
5	1	c	5-1-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14	0.01
5	1	c	5-1-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44	0.00
5	1	c	5-1-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	173.19	0.00	0.01		7.70	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.98	0.00	0.01		7.64	0.01
5	1	d	5-1-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	78.26	0.00	0.00		3.48	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.04	0.00	0.00		3.47	0.00
5	1	d	5-1-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18	0.00
5	1	d	5-1-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27	0.00
5	1	e	5-1-e	Delivery	T6Heavy	0.45	0.00	0.12	0.12	0.01	586.98	0.00	0.02		26.09	0.02	0.76	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	585.28	0.00	0.02		26.01	0.02
5	1	e	5-1-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18	0.00
4	2	a	4-2-a	Dump	T7Single	0.07	0.00	0.02	0.02	0.00	129.89	0.00	0.00		5.77	0.01	0.13	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	128.98	0.00	0.00		5.73	0.01
4	2	b	4-2-b	Landfill	T7Single	0.51	0.00	0.13	0.14	0.01	891.07	0.00	0.03		39.60	0.04	0.86	0.21	0.00	0.51	0.51	0.00	0.13	0.14	0.01	884.82	0.00	0.03		39.32	0.04
4	2	c	4-2-c	Delivery	T6Heavy	0.63	0.00	0.16	0.17	0.01	821.77	0.00	0.03		36.52	0.03	1.07	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	819.39	0.00	0.03		36.41	0.03
4	2	c	4-2-c	Dump	T7Single	0.13	0.00	0.03	0.04	0.00	233.81	0.00	0.01		10.39	0.01	0.23	0.05	0.00	0.13	0.13	0.00	0.03	0.04	0.00	232.17	0.00	0.01		10.32	0.01
4	2	c	4-2-c	Concrete	T7Single	0.30	0.00	0.08	0.08	0.00	519.58	0.00	0.02		23.09	0.02	0.50	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	515.93	0.00	0.02		22.93	0.02
4	2	d	4-2-d	Delivery	T6Heavy	0.24	0.00	0.06	0.06	0.00	313.05	0.00	0.01		13.91	0.01	0.41	0.06	0.00	0.24	0.24	0.00	0.06	0.06	0.00	312.15	0.00	0.01		13.87	0.01
4	2	d	4-2-d	Asphalt	T7Single	0.17	0.00	0.04	0.04	0.00	288.65	0.00	0.01		12.83	0.01	0.28	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	286.63	0.00	0.01		12.74	0.01
4	2	d	4-2-d	Concrete	T7Single	0.07	0.00	0.02	0.02	0.00	115.46	0.00	0.00		5.13	0.00	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	114.65	0.00	0.00		5.10	0.00
4	2	e	4-2-e	Delivery	T6Heavy	0.45	0.00	0.12	0.12	0.01	586.98	0.00	0.02		26.09	0.02	0.76	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	585.28	0.00	0.02		26.01	0.02
4	2	e	4-2-e	Concrete	T7Single	0.12	0.00	0.03	0.03	0.00	202.06	0.00	0.01		8.98	0.01	0.19	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	200.64	0.00	0.01		8.92	0.01
4	3	c	4-3-c	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	547.84	0.00	0.02		24.35	0.02	0.71	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	546.26	0.00	0.02		24.28	0.02
4	3	c	4-3-c	Dump	T7Single	0.09	0.00	0.02	0.02	0.00	155.87	0.00	0.01		6.93	0.01	0.15	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	154.78	0.00	0.01		6.88	0.01
4	3	c	4-3-c	Concrete	T7Single	0.20	0.00	0.05	0.05	0.00	346.38	0.00	0.01		15.39	0.01	0.33	0.08	0.00	0.20	0.20	0.00	0.05	0.05	0.00	343.95	0.00	0.01		15.29	0.01
4	3	d	4-3-d	Delivery	T6Heavy	0.03	0.00	0.01	0.01	0.00	39.13	0.00	0.00		1.74	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.02	0.00	0.00		1.73	0.00
4	3	d	4-3-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18	0.00
4	3	d	4-3-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27	0.00
4	3	e	4-3-e	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14	0.01
4	3	e	4-3-e	Concrete	T7Single	0.02	0.00	0.01	0.01	0.00	43.30	0.00	0.00		1.92	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	42.99	0.00	0.00		1.91	0.00
4	4	a	4-4-a	Landfill	T7Single	0.05	0.00	0.01	0.01	0.00	84.04	0.00	0.00		3.73	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	83.45	0.00	0.00		3.71	0.00
4	4	a	4-4-a	Dump	T7Single	0.30	0.00	0.08	0.08	0.00	519.58	0.00	0.02		23.09	0.02	0.50	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	515.93	0.00	0.02		22.93	0.02
4	4	c	4-4-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14	0.01
4	4	c	4-4-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44	0.00
4	4	c	4-4-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	173.19	0.00	0.01		7.70	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.98	0.00	0.01		7.64	0.01
4	4	d	4-4-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	78.26	0.00	0.00		3.48	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.04	0.00	0.00		3.47	0.00
4	4	d	4-4-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18	0.00
4	4	d	4-4-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27	0.00
4	4	e	4-4-e	Delivery	T6Heavy	0.51	0.00	0.13	0.14	0.01	665.24	0.00	0.02		29.56	0.03	0.86	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	663.31	0.00	0.02		29.48	0.03
4	4	e	4-4-e	Concrete	T7Single	0.05	0.00	0.01	0.01	0.00	86.60	0.00	0.00		3.85	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	85.99	0.00	0.00		3.82	0.00
3	2	a	3-2-a	Landfill	T7Single	0.01	0.00	0.00	0.00	0.00	18.19	0.00	0.00		0.81	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	18.06	0.00	0.00		0.80	0.00
3	2	a	3-2-a	Dump	T7Single	0.03	0.00	0.01	0.01	0.00	51.96	0.00	0.00		2.31	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	51.59	0.00	0.00		2.29	0.00
3	5	c	3-5-c	Delivery	T6Heavy	0.15	0.00	0.04	0.04	0.00	195.66	0.00	0.01		8.70	0.01	0.25	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	195.09	0.00	0.01		8.67	0.01
3	5	c	3-5-c	Dump	T7Single	0.07	0.00	0.02	0.02	0.00	122.97	0.00	0.00		5.46	0.01	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	122.10	0.00	0.00		5.43	0.01
3	5	c	3-5-c	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18	0.00
3	5	d	3-5-d	Delivery	T6Heavy	0.03	0.00	0.01	0.01	0.00	39.91	0.00	0.00		1.77	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.80	0.00	0.00		1.77	0.00
3	5	d	3-5-d	Asphalt	T7Single	0.02	0.00	0.01	0.01	0.00	36.08	0.00	0.00		1.60	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	35.83	0.00	0.00		1.59	0.00
3	5	d	3-5-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27	0.00
3	5	e	3-5-e	Delivery	T6Heavy	0.33	0.00	0.09	0.09	0.00	430.45	0.00	0.01		19.13	0.02	0.56	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	429.20	0.00	0.01		19.07	0.02
3	5	e	3-5-e	Concrete	T7Single	0.03	0.00	0.01	0.01	0.00	57.73	0.00	0.00		2.57	0.00	0.06	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	57.33	0.00	0.00		2.55	0.00
1	6	a	1-6-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	25.98	0.00	0.00		1.15	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.80	0.00	0.00		1.15	0.00
1	6	c	1-6-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14	0.01
1	6	c	1-6-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44	0.00
1	6	c	1-6-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	173.19	0.00	0.01		7.70	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.98	0.00	0.01		7.64	0.01
1	6	d	1-6-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	78.26	0.00	0.00		3.48	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.04	0.00	0.00		3.47	0.00
1	6	d	1-6-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18	0.00
1	6	d	1-6-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27	0.00
1	6	e	1-6-e	Delivery	T6Heavy	0.48	0.00	0.13	0.13	0.01	626.11	0.00	0.02		27.83	0.03	0.81	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	624.30	0.00	0.02		27.74	0.03
1	6	e	1-6-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18	0.00
2	7	a	2-7-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	25.98	0.00	0.00		1.15	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.80	0.00	0.00		1.15	0.00
2	7	c	2-7-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14	0.01
2	7	c	2-7-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44	0.00
2	7	c	2-7-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	173.19	0.00	0.01		7.70	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.98	0.00	0.01		7.64	0.01
2	7	d	2-7-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	78.26	0.00	0.00		3.48	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.04	0.00	0.00		3.47	0.00
2	7	d	2-7-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18	0.00
2	7	d	2-7-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27	0.00
2	7	e	2-7-e	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	547.84	0.00	0.02		24.35	0.02	0.71	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	546.26	0.00	0.02		24.28	0.02
2	7	e	2-7-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18	0.00
2	8	a	2-8-a	Dump	T7Single	0.01	0.00	0.00	0.00	0.00	25.98	0.00	0.00		1.15	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.80	0.00	0.00		1.15	0.00
2	8	c	2-8-c	Delivery	T6Heavy	0.21	0.00	0.05	0.06	0.00	273.92	0.00	0.01		12.17	0.01	0.36	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	273.13	0.00	0.01		12.14	0.01
2	8	c	2-8-c	Dump	T7Single	0.04	0.00	0.01	0.01	0.00	77.94	0.00	0.00		3.46	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.39	0.00	0.00		3.44	0.00
2	8	c	2-8-c	Concrete	T7Single	0.10	0.00	0.03	0.03	0.00	173.19	0.00	0.01		7.70	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.98	0.00	0.01		7.64	0.01
2	8	d	2-8-d	Delivery	T6Heavy	0.06	0.00	0.02	0.02	0.00	78.26	0.00	0.00		3.48	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	78.04	0.00	0.00		3.47	0.00
2	8	d	2-8-d	Asphalt	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18	0.00
2	8	d	2-8-d	Concrete	T7Single	0.02	0.00	0.00	0.00	0.00	28.87	0.00	0.00		1.28	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.66	0.00	0.00		1.27	0.00
2	8	e	2-8-e	Delivery	T6Heavy	0.42	0.00	0.11	0.11	0.01	547.84	0.00	0.02		24.35	0.02	0.71	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	546.26	0.00	0.02		24.28	0.02
2	8	e	2-8-e	Concrete	T7Single	0.04	0.00	0.01	0.01	0.00	72.16	0.00	0.00		3.21	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.66	0.00	0.00		3.18	0.00

Construction - Mitigated Tier 4

Truck Emissions						Pounds per day 2020													Gal/Day	Pounds per day 2021											
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4
5	1	a	5-1-a	Dump	T7Single	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	76.55	0.00
5	1	b	5-1-a	Landfill	T7Single	0.31	0.07	0.00	0.18	0.18	0.00	0.05	0.05	0.00	308.82	0.00	0.01		13.72	0.01	0.30	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	306.18	0.00
5	1	c	5-1-c	Delivery	T6Heavy	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.15	0.00
5	1	c	5-1-c	Dump	T7Single	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	76.55	0.00
5	1	c	5-1-c	Concrete	T7Single	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.56	0.00	0.01		7.62	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	170.10	0.00
5	1	d	5-1-d	Delivery	T6Heavy	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.80	0.00	0.00		3.46	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.47	0.00
5	1	d	5-1-d	Asphalt	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.88	0.00
5	1	d	5-1-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.35	0.00
5	1	e	5-1-e	Delivery	T6Heavy	0.78	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	583.53	0.00	0.02		25.93	0.02	0.79	0.13	0.00	0.45	0.45	0.00	0.12	0.12	0.01	581.03	0.00
5	1	e	5-1-e	Concrete	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.88	0.00
4	2	a	4-2-a	Dump	T7Single	0.13	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	128.67	0.00	0.00		5.72	0.01	0.13	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	127.58	0.00
4	2	b	4-2-b	Landfill	T7Single	0.87	0.21	0.00	0.51	0.51	0.00	0.13	0.14	0.01	882.70	0.00	0.03		39.23	0.04	0.86	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	875.17	0.00
4	2	c	4-2-c	Delivery	T6Heavy	1.10	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	816.94	0.00	0.03		36.31	0.03	1.10	0.18	0.00	0.63	0.63	0.00	0.16	0.17	0.01	813.45	0.00
4	2	c	4-2-c	Dump	T7Single	0.23	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	231.61	0.00	0.01		10.29	0.01	0.23	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	229.64	0.00
4	2	c	4-2-c	Concrete	T7Single	0.51	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	514.69	0.00	0.02		22.87	0.02	0.50	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	510.30	0.00
4	2	d	4-2-d	Delivery	T6Heavy	0.42	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	311.22	0.00	0.01		13.83	0.01	0.42	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	309.89	0.00
4	2	d	4-2-d	Asphalt	T7Single	0.28	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	285.94	0.00	0.01		12.71	0.01	0.28	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	283.50	0.00
4	2	d	4-2-d	Concrete	T7Single	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	114.38	0.00	0.00		5.08	0.00	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	113.40	0.00
4	2	e	4-2-e	Delivery	T6Heavy	0.78	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	583.53	0.00	0.02		25.93	0.02	0.79	0.13	0.00	0.45	0.45	0.00	0.12	0.12	0.01	581.03	0.00
4	2	e	4-2-e	Concrete	T7Single	0.20	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	200.16	0.00	0.01		8.90	0.01	0.20	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	198.45	0.00
4	3	c	4-3-c	Delivery	T6Heavy	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	544.63	0.00	0.02		24.20	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	542.30	0.00
4	3	c	4-3-c	Dump	T7Single	0.15	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	154.41	0.00	0.01		6.86	0.01	0.15	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	153.09	0.00
4	3	c	4-3-c	Concrete	T7Single	0.34	0.08	0.00	0.20	0.20	0.00	0.05	0.05	0.00	343.13	0.00	0.01		15.25	0.01	0.33	0.08	0.00	0.20	0.20	0.00	0.05	0.05	0.00	340.20	0.00
4	3	d	4-3-d	Delivery	T6Heavy	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.90	0.00	0.00		1.73	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.74	0.00
4	3	d	4-3-d	Asphalt	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.88	0.00
4	3	d	4-3-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.35	0.00
4	3	e	4-3-e	Delivery	T6Heavy	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.15	0.00
4	3	e	4-3-e	Concrete	T7Single	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	42.89	0.00	0.00		1.91	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	42.53	0.00
4	4	a	4-4-a	Landfill	T7Single	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	83.25	0.00	0.00		3.70	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	82.54	0.00
4	4	a	4-4-a	Dump	T7Single	0.51	0.12	0.00	0.30	0.30	0.00	0.08	0.08	0.00	514.69	0.00	0.02		22.87	0.02	0.50	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	510.30	0.00
4	4	c	4-4-c	Delivery	T6Heavy	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.15	0.00
4	4	c	4-4-c	Dump	T7Single	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	76.55	0.00
4	4	c	4-4-c	Concrete	T7Single	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.56	0.00	0.01		7.62	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	170.10	0.00
4	4	d	4-4-d	Delivery	T6Heavy	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.80	0.00	0.00		3.46	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.47	0.00
4	4	d	4-4-d	Asphalt	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.88	0.00
4	4	d	4-4-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.35	0.00
4	4	e	4-4-e	Delivery	T6Heavy	0.89	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	661.33	0.00	0.02		29.39	0.03	0.89	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	658.51	0.00
4	4	e	4-4-e	Concrete	T7Single	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	85.78	0.00	0.00		3.81	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	85.05	0.00
3	2	a	3-2-a	Landfill	T7Single	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	18.01	0.00	0.00		0.80	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.86	0.00
3	2	a	3-2-a	Dump	T7Single	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	51.47	0.00	0.00		2.29	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	51.03	0.00
3	5	c	3-5-c	Delivery	T6Heavy	0.26	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	194.51	0.00	0.01		8.64	0.01	0.26	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	193.68	0.00
3	5	c	3-5-c	Dump	T7Single	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	121.81	0.00	0.00		5.41	0.01	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	120.77	0.00
3	5	c	3-5-c	Concrete	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.88	0.00
3	5	d	3-5-d	Delivery	T6Heavy	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.68	0.00	0.00		1.76	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.51	0.00
3	5	d	3-5-d	Asphalt	T7Single	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	35.74	0.00	0.00		1.59	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	35.44	0.00
3	5	d	3-5-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.35	0.00
3	5	e	3-5-e	Delivery	T6Heavy	0.57	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	427.92	0.00	0.01		19.02	0.02	0.58	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	426.09	0.00
3	5	e	3-5-e	Concrete	T7Single	0.06	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	57.19	0.00	0.00		2.54	0.00	0.06	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	56.70	0.00
1	6	a	1-6-a	Dump	T7Single	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.73	0.00	0.00		1.14	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.52	0.00
1	6	c	1-6-c	Delivery	T6Heavy	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.15	0.00
1	6	c	1-6-c	Dump	T7Single	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	76.55	0.00
1	6	c	1-6-c	Concrete	T7Single	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.56	0.00	0.01		7.62	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	170.10	0.00
1	6	d	1-6-d	Delivery	T6Heavy	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.80	0.00	0.00		3.46	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.47	0.00
1	6	d	1-6-d	Asphalt	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.88	0.00
1	6	d	1-6-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.35	0.00
1	6	e	1-6-e	Delivery	T6Heavy	0.83	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	622.43	0.00	0.02		27.66	0.03	0.84	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	619.77	0.00
1	6	e	1-6-e	Concrete	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.88	0.00
2	7	a	2-7-a	Dump	T7Single	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.73	0.00	0.00		1.14	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.52	0.00
2	7	c	2-7-c	Delivery	T6Heavy	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.15	0.00
2	7	c	2-7-c	Dump	T7Single	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	76.55	0.00
2	7	c	2-7-c	Concrete	T7Single	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.56	0.00	0.01		7.62	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	170.10	0.00
2	7	d	2-7-d	Delivery	T6Heavy	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.80	0.00	0.00		3.46	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.47	0.00
2	7	d	2-7-d	Asphalt	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.88	0.00
2	7	d	2-7-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.35	0.00
2	7	e	2-7-e	Delivery	T6Heavy	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	544.63	0.00	0.02		24.20	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	542.30	0.00
2	7	e	2-7-e	Concrete	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.88	0.00
2	8	a	2-8-a	Dump	T7Single	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.73	0.00	0.00		1.14	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.52	0.00
2	8	c	2-8-c	Delivery	T6Heavy	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	272.31	0.00	0.01		12.10	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	271.15	0.00
2	8	c	2-8-c	Dump	T7Single	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	77.20	0.00	0.00		3.43	0.00	0.08	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	76.55	0.00
2	8	c	2-8-c	Concrete	T7Single	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	171.56	0.00	0.01		7.62	0.01	0.17	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	170.10	0.00
2	8	d	2-8-d	Delivery	T6Heavy	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.80	0.00	0.00		3.46	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.47	0.00
2	8	d	2-8-d	Asphalt	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.88	0.00
2	8	d	2-8-d	Concrete	T7Single	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.59	0.00	0.00		1.27	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.35	0.00
2	8	e	2-8-e	Delivery	T6Heavy	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	544.63	0.00	0.02		24.20	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	542.30	0.00
2	8	e	2-8-e	Concrete	T7Single	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	71.49	0.00	0.00		3.18	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.88	0.00

Construction - Mitigated Tier 4

Truck Emissions								Gal/Day	Pounds per day 2022														Gal/Day	Pounds per day 2023							
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D
5	1	a	5-1-a	Dump	T7Single	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
5	1	b	5-1-a	Landfill	T7Single	0.01		13.61	0.01	0.29	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	303.57	0.00	0.01		13.49	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05
5	1	c	5-1-c	Delivery	T6Heavy	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05
5	1	c	5-1-c	Dump	T7Single	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
5	1	c	5-1-c	Concrete	T7Single	0.01		7.56	0.01	0.16	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	168.65	0.00	0.01		7.50	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03
5	1	d	5-1-d	Delivery	T6Heavy	0.00		3.44	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.02	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02
5	1	d	5-1-d	Asphalt	T7Single	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
5	1	d	5-1-d	Concrete	T7Single	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
5	1	e	5-1-e	Delivery	T6Heavy	0.02		25.82	0.02	0.78	0.13	0.00	0.45	0.45	0.00	0.12	0.12	0.01	577.63	0.00	0.02		25.67	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12
5	1	e	5-1-e	Concrete	T7Single	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
4	2	a	4-2-a	Dump	T7Single	0.00		5.67	0.01	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	126.49	0.00	0.00		5.62	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02
4	2	b	4-2-b	Landfill	T7Single	0.03		38.89	0.04	0.84	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	867.70	0.00	0.03		38.56	0.04	0.77	0.22	0.00	0.51	0.51	0.00	0.13
4	2	c	4-2-c	Delivery	T6Heavy	0.03		36.15	0.03	1.10	0.18	0.00	0.63	0.63	0.00	0.16	0.17	0.01	808.68	0.00	0.03		35.94	0.03	0.95	0.17	0.00	0.63	0.63	0.00	0.16
4	2	c	4-2-c	Dump	T7Single	0.01		10.21	0.01	0.22	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	227.68	0.00	0.01		10.12	0.01	0.20	0.06	0.00	0.13	0.13	0.00	0.03
4	2	c	4-2-c	Concrete	T7Single	0.02		22.68	0.02	0.49	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	505.95	0.00	0.02		22.49	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08
4	2	d	4-2-d	Delivery	T6Heavy	0.01		13.77	0.01	0.42	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	308.07	0.00	0.01		13.69	0.01	0.36	0.06	0.00	0.24	0.24	0.00	0.06
4	2	d	4-2-d	Asphalt	T7Single	0.01		12.60	0.01	0.27	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	281.08	0.00	0.01		12.49	0.01	0.25	0.07	0.00	0.16	0.16	0.00	0.04
4	2	d	4-2-d	Concrete	T7Single	0.00		5.04	0.00	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	112.43	0.00	0.00		5.00	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02
4	2	e	4-2-e	Delivery	T6Heavy	0.02		25.82	0.02	0.78	0.13	0.00	0.45	0.45	0.00	0.12	0.12	0.01	577.63	0.00	0.02		25.67	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12
4	2	e	4-2-e	Concrete	T7Single	0.01		8.82	0.01	0.19	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	196.76	0.00	0.01		8.74	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03
4	3	c	4-3-c	Delivery	T6Heavy	0.02		24.10	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	539.12	0.00	0.02		23.96	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11
4	3	c	4-3-c	Dump	T7Single	0.00		6.80	0.01	0.15	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	151.78	0.00	0.00		6.75	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02
4	3	c	4-3-c	Concrete	T7Single	0.01		15.12	0.01	0.33	0.08	0.00	0.20	0.20	0.00	0.05	0.05	0.00	337.30	0.00	0.01		14.99	0.01	0.30	0.08	0.00	0.20	0.20	0.00	0.05
4	3	d	4-3-d	Delivery	T6Heavy	0.00		1.72	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.51	0.00	0.00		1.71	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01
4	3	d	4-3-d	Asphalt	T7Single	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
4	3	d	4-3-d	Concrete	T7Single	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
4	3	e	4-3-e	Delivery	T6Heavy	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05
4	3	e	4-3-e	Concrete	T7Single	0.00		1.89	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	42.16	0.00	0.00		1.87	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01
4	4	a	4-4-a	Landfill	T7Single	0.00		3.67	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	81.83	0.00	0.00		3.64	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01
4	4	a	4-4-a	Dump	T7Single	0.02		22.68	0.02	0.49	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	505.95	0.00	0.02		22.49	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08
4	4	c	4-4-c	Delivery	T6Heavy	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05
4	4	c	4-4-c	Dump	T7Single	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
4	4	c	4-4-c	Concrete	T7Single	0.01		7.56	0.01	0.16	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	168.65	0.00	0.01		7.50	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03
4	4	d	4-4-d	Delivery	T6Heavy	0.00		3.44	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.02	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02
4	4	d	4-4-d	Asphalt	T7Single	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
4	4	d	4-4-d	Concrete	T7Single	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
4	4	e	4-4-e	Delivery	T6Heavy	0.02		29.27	0.03	0.89	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	654.65	0.00	0.02		29.09	0.03	0.77	0.14	0.00	0.51	0.51	0.00	0.13
4	4	e	4-4-e	Concrete	T7Single	0.00		3.78	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	84.32	0.00	0.00		3.75	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01
3	2	a	3-2-a	Landfill	T7Single	0.00		0.79	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.71	0.00	0.00		0.79	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00
3	2	a	3-2-a	Dump	T7Single	0.00		2.27	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	50.59	0.00	0.00		2.25	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01
3	5	c	3-5-c	Delivery	T6Heavy	0.01		8.61	0.01	0.26	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	192.54	0.00	0.01		8.56	0.01	0.23	0.04	0.00	0.15	0.15	0.00	0.04
3	5	c	3-5-c	Dump	T7Single	0.00		5.37	0.01	0.12	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	119.74	0.00	0.00		5.32	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02
3	5	c	3-5-c	Concrete	T7Single	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
3	5	d	3-5-d	Delivery	T6Heavy	0.00		1.76	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	39.28	0.00	0.00		1.75	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01
3	5	d	3-5-d	Asphalt	T7Single	0.00		1.57	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	35.14	0.00	0.00		1.56	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01
3	5	d	3-5-d	Concrete	T7Single	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
3	5	e	3-5-e	Delivery	T6Heavy	0.01		18.94	0.02	0.57	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	423.60	0.00	0.01		18.83	0.02	0.50	0.09	0.00	0.33	0.33	0.00	0.09
3	5	e	3-5-e	Concrete	T7Single	0.00		2.52	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	56.22	0.00	0.00		2.50	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01
1	6	a	1-6-a	Dump	T7Single	0.00		1.13	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.30	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00
1	6	c	1-6-c	Delivery	T6Heavy	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05
1	6	c	1-6-c	Dump	T7Single	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
1	6	c	1-6-c	Concrete	T7Single	0.01		7.56	0.01	0.16	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	168.65	0.00	0.01		7.50	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03
1	6	d	1-6-d	Delivery	T6Heavy	0.00		3.44	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.02	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02
1	6	d	1-6-d	Asphalt	T7Single	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
1	6	d	1-6-d	Concrete	T7Single	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
1	6	e	1-6-e	Delivery	T6Heavy	0.02		27.54	0.03	0.84	0.14	0.00	0.48	0.48	0.00	0.13	0.13	0.01	616.14	0.00	0.02		27.38	0.02	0.73	0.13	0.00	0.48	0.48	0.00	0.13
1	6	e	1-6-e	Concrete	T7Single	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
2	7	a	2-7-a	Dump	T7Single	0.00		1.13	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.30	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00
2	7	c	2-7-c	Delivery	T6Heavy	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05
2	7	c	2-7-c	Dump	T7Single	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
2	7	c	2-7-c	Concrete	T7Single	0.01		7.56	0.01	0.16	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	168.65	0.00	0.01		7.50	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03
2	7	d	2-7-d	Delivery	T6Heavy	0.00		3.44	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.02	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02
2	7	d	2-7-d	Asphalt	T7Single	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
2	7	d	2-7-d	Concrete	T7Single	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
2	7	e	2-7-e	Delivery	T6Heavy	0.02		24.10	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	539.12	0.00	0.02		23.96	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11
2	7	e	2-7-e	Concrete	T7Single	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
2	8	a	2-8-a	Dump	T7Single	0.00		1.13	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.30	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00
2	8	c	2-8-c	Delivery	T6Heavy	0.01		12.05	0.01	0.37	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	269.56	0.00	0.01		11.98	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05
2	8	c	2-8-c	Dump	T7Single	0.00		3.40	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.89	0.00	0.00		3.37	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01
2	8	c	2-8-c	Concrete	T7Single	0.01		7.56	0.01	0.16	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	168.65	0.00	0.01		7.50	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03
2	8	d	2-8-d	Delivery	T6Heavy	0.00		3.44	0.00	0.10	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	77.02	0.00	0.00		3.42	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02
2	8	d	2-8-d	Asphalt	T7Single	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01
2	8	d	2-8-d	Concrete	T7Single	0.00		1.26	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.11	0.00	0.00		1.25	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00
2	8	e	2-8-e	Delivery	T6Heavy	0.02		24.10	0.02	0.73	0.12	0.00	0.42	0.42	0.00	0.11	0.11	0.01	539.12	0.00	0.02		23.96	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11
2	8	e	2-8-e	Concrete	T7Single	0.00		3.15	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	70.27	0.00	0.00		3.12	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01

Construction - Mitigated Tier 4

Truck Emissions

												Gal/Day	Pounds per day														Gal/Day				
													2024																		
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex
5	1	a	5-1-a	Dump	T7Single	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00
5	1	b	5-1-a	Landfill	T7Single	0.05	0.00	301.24	0.00	0.01		13.39	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	300.10	0.00	0.01		13.34	0.01	0.27	0.08	0.00
5	1	c	5-1-c	Delivery	T6Heavy	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00
5	1	c	5-1-c	Dump	T7Single	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00
5	1	c	5-1-c	Concrete	T7Single	0.03	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41	0.01	0.15	0.04	0.00
5	1	d	5-1-d	Delivery	T6Heavy	0.02	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35	0.00	0.09	0.02	0.00
5	1	d	5-1-d	Asphalt	T7Single	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00
5	1	d	5-1-d	Concrete	T7Single	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00
5	1	e	5-1-e	Delivery	T6Heavy	0.12	0.01	567.98	0.00	0.02		25.24	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	565.84	0.00	0.02		25.15	0.02	0.68	0.12	0.00
5	1	e	5-1-e	Concrete	T7Single	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00
4	2	a	4-2-a	Dump	T7Single	0.02	0.00	125.52	0.00	0.00		5.58	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	125.04	0.00	0.00		5.56	0.01	0.11	0.03	0.00
4	2	b	4-2-b	Landfill	T7Single	0.14	0.01	861.04	0.00	0.03		38.27	0.04	0.78	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	857.79	0.00	0.03		38.12	0.04	0.78	0.22	0.00
4	2	c	4-2-c	Delivery	T6Heavy	0.17	0.01	795.17	0.00	0.03		35.34	0.03	0.96	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	792.18	0.00	0.03		35.21	0.03	0.96	0.17	0.00
4	2	c	4-2-c	Dump	T7Single	0.04	0.00	225.93	0.00	0.01		10.04	0.01	0.20	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	225.08	0.00	0.01		10.00	0.01	0.21	0.06	0.00
4	2	c	4-2-c	Concrete	T7Single	0.08	0.00	502.06	0.00	0.02		22.31	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	500.17	0.00	0.02		22.23	0.02	0.46	0.13	0.00
4	2	d	4-2-d	Delivery	T6Heavy	0.06	0.00	302.92	0.00	0.01		13.46	0.01	0.37	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	301.78	0.00	0.01		13.41	0.01	0.36	0.07	0.00
4	2	d	4-2-d	Asphalt	T7Single	0.04	0.00	278.92	0.00	0.01		12.40	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	277.87	0.00	0.01		12.35	0.01	0.25	0.07	0.00
4	2	d	4-2-d	Concrete	T7Single	0.02	0.00	111.57	0.00	0.00		4.96	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	111.15	0.00	0.00		4.94	0.00	0.10	0.03	0.00
4	2	e	4-2-e	Delivery	T6Heavy	0.12	0.01	567.98	0.00	0.02		25.24	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	565.84	0.00	0.02		25.15	0.02	0.68	0.12	0.00
4	2	e	4-2-e	Concrete	T7Single	0.03	0.00	195.25	0.00	0.01		8.68	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	194.51	0.00	0.01		8.64	0.01	0.18	0.05	0.00
4	3	c	4-3-c	Delivery	T6Heavy	0.11	0.01	530.11	0.00	0.02		23.56	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	528.12	0.00	0.02		23.47	0.02	0.64	0.11	0.00
4	3	c	4-3-c	Dump	T7Single	0.02	0.00	150.62	0.00	0.00		6.69	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	150.05	0.00	0.00		6.67	0.01	0.14	0.04	0.00
4	3	c	4-3-c	Concrete	T7Single	0.05	0.00	334.71	0.00	0.01		14.88	0.01	0.30	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	333.44	0.00	0.01		14.82	0.01	0.30	0.09	0.00
4	3	d	4-3-d	Delivery	T6Heavy	0.01	0.00	37.87	0.00	0.00		1.68	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.72	0.00	0.00		1.68	0.00	0.05	0.01	0.00
4	3	d	4-3-d	Asphalt	T7Single	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00
4	3	d	4-3-d	Concrete	T7Single	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00
4	3	e	4-3-e	Delivery	T6Heavy	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00
4	3	e	4-3-e	Concrete	T7Single	0.01	0.00	41.84	0.00	0.00		1.86	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	41.68	0.00	0.00		1.85	0.00	0.04	0.01	0.00
4	4	a	4-4-a	Landfill	T7Single	0.01	0.00	81.20	0.00	0.00		3.61	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	80.90	0.00	0.00		3.60	0.00	0.07	0.02	0.00
4	4	a	4-4-a	Dump	T7Single	0.08	0.00	502.06	0.00	0.02		22.31	0.02	0.45	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	500.17	0.00	0.02		22.23	0.02	0.46	0.13	0.00
4	4	c	4-4-c	Delivery	T6Heavy	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00
4	4	c	4-4-c	Dump	T7Single	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00
4	4	c	4-4-c	Concrete	T7Single	0.03	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41	0.01	0.15	0.04	0.00
4	4	d	4-4-d	Delivery	T6Heavy	0.02	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35	0.00	0.09	0.02	0.00
4	4	d	4-4-d	Asphalt	T7Single	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00
4	4	d	4-4-d	Concrete	T7Single	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00
4	4	e	4-4-e	Delivery	T6Heavy	0.14	0.01	643.71	0.00	0.02		28.61	0.03	0.78	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	641.29	0.00	0.02		28.50	0.03	0.77	0.14	0.00
4	4	e	4-4-e	Concrete	T7Single	0.01	0.00	83.68	0.00	0.00		3.72	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	83.36	0.00	0.00		3.70	0.00	0.08	0.02	0.00
3	2	a	3-2-a	Landfill	T7Single	0.00	0.00	17.57	0.00	0.00		0.78	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.51	0.00	0.00		0.78	0.00	0.02	0.00	0.00
3	2	a	3-2-a	Dump	T7Single	0.01	0.00	50.21	0.00	0.00		2.23	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	50.02	0.00	0.00		2.22	0.00	0.05	0.01	0.00
3	5	c	3-5-c	Delivery	T6Heavy	0.04	0.00	189.33	0.00	0.01		8.41	0.01	0.23	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	188.61	0.00	0.01		8.38	0.01	0.23	0.04	0.00
3	5	c	3-5-c	Dump	T7Single	0.02	0.00	118.82	0.00	0.00		5.28	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	118.37	0.00	0.00		5.26	0.01	0.11	0.03	0.00
3	5	c	3-5-c	Concrete	T7Single	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00
3	5	d	3-5-d	Delivery	T6Heavy	0.01	0.00	38.62	0.00	0.00		1.72	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.48	0.00	0.00		1.71	0.00	0.05	0.01	0.00
3	5	d	3-5-d	Asphalt	T7Single	0.01	0.00	34.87	0.00	0.00		1.55	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.73	0.00	0.00		1.54	0.00	0.03	0.01	0.00
3	5	d	3-5-d	Concrete	T7Single	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00
3	5	e	3-5-e	Delivery	T6Heavy	0.09	0.00	416.52	0.00	0.01		18.51	0.02	0.50	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	414.95	0.00	0.01		18.44	0.02	0.50	0.09	0.00
3	5	e	3-5-e	Concrete	T7Single	0.01	0.00	55.78	0.00	0.00		2.48	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	55.57	0.00	0.00		2.47	0.00	0.05	0.01	0.00
1	6	a	1-6-a	Dump	T7Single	0.00	0.00	25.10	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.01	0.00	0.00		1.11	0.00	0.02	0.01	0.00
1	6	c	1-6-c	Delivery	T6Heavy	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00
1	6	c	1-6-c	Dump	T7Single	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00
1	6	c	1-6-c	Concrete	T7Single	0.03	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41	0.01	0.15	0.04	0.00
1	6	d	1-6-d	Delivery	T6Heavy	0.02	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35	0.00	0.09	0.02	0.00
1	6	d	1-6-d	Asphalt	T7Single	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00
1	6	d	1-6-d	Concrete	T7Single	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00
1	6	e	1-6-e	Delivery	T6Heavy	0.13	0.01	605.84	0.00	0.02		26.92	0.02	0.73	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	603.56	0.00	0.02		26.82	0.02	0.73	0.13	0.00
1	6	e	1-6-e	Concrete	T7Single	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00
2	7	a	2-7-a	Dump	T7Single	0.00	0.00	25.10	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.01	0.00	0.00		1.11	0.00	0.02	0.01	0.00
2	7	c	2-7-c	Delivery	T6Heavy	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00
2	7	c	2-7-c	Dump	T7Single	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00
2	7	c	2-7-c	Concrete	T7Single	0.03	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41	0.01	0.15	0.04	0.00
2	7	d	2-7-d	Delivery	T6Heavy	0.02	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35	0.00	0.09	0.02	0.00
2	7	d	2-7-d	Asphalt	T7Single	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00
2	7	d	2-7-d	Concrete	T7Single	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00
2	7	e	2-7-e	Delivery	T6Heavy	0.11	0.01	530.11	0.00	0.02		23.56	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	528.12	0.00	0.02		23.47	0.02	0.64	0.11	0.00
2	7	e	2-7-e	Concrete	T7Single	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00
2	8	a	2-8-a	Dump	T7Single	0.00	0.00	25.10	0.00	0.00		1.12	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	25.01	0.00	0.00		1.11	0.00	0.02	0.01	0.00
2	8	c	2-8-c	Delivery	T6Heavy	0.06	0.00	265.06	0.00	0.01		11.78	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	264.06	0.00	0.01		11.74	0.01	0.32	0.06	0.00
2	8	c	2-8-c	Dump	T7Single	0.01	0.00	75.31	0.00	0.00		3.35	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	75.03	0.00	0.00		3.33	0.00	0.07	0.02	0.00
2	8	c	2-8-c	Concrete	T7Single	0.03	0.00	167.35	0.00	0.01		7.44	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	166.72	0.00	0.01		7.41	0.01	0.15	0.04	0.00
2	8	d	2-8-d	Delivery	T6Heavy	0.02	0.00	75.73	0.00	0.00		3.37	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	75.45	0.00	0.00		3.35	0.00	0.09	0.02	0.00
2	8	d	2-8-d	Asphalt	T7Single	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00
2	8	d	2-8-d	Concrete	T7Single	0.00	0.00	27.89	0.00	0.00		1.24	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.79	0.00	0.00		1.23	0.00	0.03	0.01	0.00
2	8	e	2-8-e	Delivery	T6Heavy	0.11	0.01	530.11	0.00	0.02		23.56	0.02	0.64	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.01	528.12	0.00	0.02		23.47	0.02	0.64	0.11	0.00
2	8	e	2-8-e	Concrete	T7Single	0.01	0.00	69.73	0.00	0.00		3.10	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.47	0.00	0.00		3.09	0.00	0.06	0.02	0.00

Construction - Mitigated Tier 4

Truck Emissions

						Pounds per day										Gal/Day	Pounds per day															Gal/Day
						2025											2026															
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	1	a	5-1-a	Dump	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31
5	1	b	5-1-a	Landfill	T7Single	0.18	0.18	0.00	0.05	0.05	0.00	299.11	0.00	0.01		13.29	0.01	0.28	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	298.06	0.00	0.01		13.25
5	1	c	5-1-c	Delivery	T6Heavy	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64
5	1	c	5-1-c	Dump	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31
5	1	c	5-1-c	Concrete	T7Single	0.10	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	165.59	0.00	0.01		7.36
5	1	d	5-1-d	Delivery	T6Heavy	0.06	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.81	0.00	0.00		3.32
5	1	d	5-1-d	Asphalt	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07
5	1	d	5-1-d	Concrete	T7Single	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23
5	1	e	5-1-e	Delivery	T6Heavy	0.45	0.45	0.00	0.12	0.12	0.01	563.50	0.00	0.02		25.04	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	561.09	0.00	0.02		24.94
5	1	e	5-1-e	Concrete	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07
4	2	a	4-2-a	Dump	T7Single	0.07	0.07	0.00	0.02	0.02	0.00	124.63	0.00	0.00		5.54	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	124.19	0.00	0.00		5.52
4	2	b	4-2-b	Landfill	T7Single	0.51	0.51	0.00	0.13	0.14	0.01	854.95	0.00	0.03		38.00	0.04	0.79	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	851.96	0.00	0.03		37.86
4	2	c	4-2-c	Delivery	T6Heavy	0.63	0.63	0.00	0.16	0.17	0.01	788.91	0.00	0.03		35.06	0.03	0.95	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	785.53	0.00	0.03		34.91
4	2	c	4-2-c	Dump	T7Single	0.13	0.13	0.00	0.03	0.04	0.00	224.33	0.00	0.01		9.97	0.01	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	223.55	0.00	0.01		9.93
4	2	c	4-2-c	Concrete	T7Single	0.30	0.30	0.00	0.08	0.08	0.00	498.51	0.00	0.02		22.15	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	496.77	0.00	0.02		22.08
4	2	d	4-2-d	Delivery	T6Heavy	0.24	0.24	0.00	0.06	0.06	0.00	300.54	0.00	0.01		13.36	0.01	0.36	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	299.25	0.00	0.01		13.30
4	2	d	4-2-d	Asphalt	T7Single	0.16	0.17	0.00	0.04	0.04	0.00	276.95	0.00	0.01		12.31	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	275.98	0.00	0.01		12.27
4	2	d	4-2-d	Concrete	T7Single	0.07	0.07	0.00	0.02	0.02	0.00	110.78	0.00	0.00		4.92	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	110.39	0.00	0.00		4.91
4	2	e	4-2-e	Delivery	T6Heavy	0.45	0.45	0.00	0.12	0.12	0.01	563.50	0.00	0.02		25.04	0.02	0.68	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	561.09	0.00	0.02		24.94
4	2	e	4-2-e	Concrete	T7Single	0.11	0.12	0.00	0.03	0.03	0.00	193.87	0.00	0.01		8.62	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	193.19	0.00	0.01		8.59
4	3	c	4-3-c	Delivery	T6Heavy	0.42	0.42	0.00	0.11	0.11	0.01	525.94	0.00	0.02		23.37	0.02	0.63	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	523.68	0.00	0.02		23.27
4	3	c	4-3-c	Dump	T7Single	0.09	0.09	0.00	0.02	0.02	0.00	149.55	0.00	0.00		6.65	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	149.03	0.00	0.00		6.62
4	3	c	4-3-c	Concrete	T7Single	0.20	0.20	0.00	0.05	0.05	0.00	332.34	0.00	0.01		14.77	0.01	0.31	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	331.18	0.00	0.01		14.72
4	3	d	4-3-d	Delivery	T6Heavy	0.03	0.03	0.00	0.01	0.01	0.00	37.57	0.00	0.00		1.67	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.41	0.00	0.00		1.66
4	3	d	4-3-d	Asphalt	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07
4	3	d	4-3-d	Concrete	T7Single	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23
4	3	e	4-3-e	Delivery	T6Heavy	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64
4	3	e	4-3-e	Concrete	T7Single	0.02	0.02	0.00	0.01	0.01	0.00	41.54	0.00	0.00		1.85	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	41.40	0.00	0.00		1.84
4	4	a	4-4-a	Landfill	T7Single	0.05	0.05	0.00	0.01	0.01	0.00	80.63	0.00	0.00		3.58	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	80.35	0.00	0.00		3.57
4	4	a	4-4-a	Dump	T7Single	0.30	0.30	0.00	0.08	0.08	0.00	498.51	0.00	0.02		22.15	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	496.77	0.00	0.02		22.08
4	4	c	4-4-c	Delivery	T6Heavy	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64
4	4	c	4-4-c	Dump	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31
4	4	c	4-4-c	Concrete	T7Single	0.10	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	165.59	0.00	0.01		7.36
4	4	d	4-4-d	Delivery	T6Heavy	0.06	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.81	0.00	0.00		3.32
4	4	d	4-4-d	Asphalt	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07
4	4	d	4-4-d	Concrete	T7Single	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23
4	4	e	4-4-e	Delivery	T6Heavy	0.51	0.51	0.00	0.13	0.14	0.01	638.64	0.00	0.02		28.38	0.03	0.77	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	635.90	0.00	0.02		28.26
4	4	e	4-4-e	Concrete	T7Single	0.05	0.05	0.00	0.01	0.01	0.00	83.09	0.00	0.00		3.69	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	82.79	0.00	0.00		3.68
3	2	a	3-2-a	Landfill	T7Single	0.01	0.01	0.00	0.00	0.00	0.00	17.45	0.00	0.00		0.78	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.39	0.00	0.00		0.77
3	2	a	3-2-a	Dump	T7Single	0.03	0.03	0.00	0.01	0.01	0.00	49.85	0.00	0.00		2.22	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	49.68	0.00	0.00		2.21
3	5	c	3-5-c	Delivery	T6Heavy	0.15	0.15	0.00	0.04	0.04	0.00	187.83	0.00	0.01		8.35	0.01	0.23	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	187.03	0.00	0.01		8.31
3	5	c	3-5-c	Dump	T7Single	0.07	0.07	0.00	0.02	0.02	0.00	117.98	0.00	0.00		5.24	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	117.57	0.00	0.00		5.22
3	5	c	3-5-c	Concrete	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07
3	5	d	3-5-d	Delivery	T6Heavy	0.03	0.03	0.00	0.01	0.01	0.00	38.32	0.00	0.00		1.70	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	38.15	0.00	0.00		1.70
3	5	d	3-5-d	Asphalt	T7Single	0.02	0.02	0.00	0.01	0.01	0.00	34.62	0.00	0.00		1.54	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.50	0.00	0.00		1.53
3	5	d	3-5-d	Concrete	T7Single	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23
3	5	e	3-5-e	Delivery	T6Heavy	0.33	0.33	0.00	0.09	0.09	0.00	413.24	0.00	0.01		18.36	0.02	0.50	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	411.47	0.00	0.01		18.29
3	5	e	3-5-e	Concrete	T7Single	0.03	0.03	0.00	0.01	0.01	0.00	55.39	0.00	0.00		2.46	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	55.20	0.00	0.00		2.45
1	6	a	1-6-a	Dump	T7Single	0.01	0.01	0.00	0.00	0.00	0.00	24.93	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.84	0.00	0.00		1.10
1	6	c	1-6-c	Delivery	T6Heavy	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64
1	6	c	1-6-c	Dump	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31
1	6	c	1-6-c	Concrete	T7Single	0.10	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	165.59	0.00	0.01		7.36
1	6	d	1-6-d	Delivery	T6Heavy	0.06	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.81	0.00	0.00		3.32
1	6	d	1-6-d	Asphalt	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07
1	6	d	1-6-d	Concrete	T7Single	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23
1	6	e	1-6-e	Delivery	T6Heavy	0.48	0.48	0.00	0.13	0.13	0.01	601.07	0.00	0.02		26.71	0.02	0.72	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	598.50	0.00	0.02		26.60
1	6	e	1-6-e	Concrete	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07
2	7	a	2-7-a	Dump	T7Single	0.01	0.01	0.00	0.00	0.00	0.00	24.93	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.84	0.00	0.00		1.10
2	7	c	2-7-c	Delivery	T6Heavy	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64
2	7	c	2-7-c	Dump	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31
2	7	c	2-7-c	Concrete	T7Single	0.10	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	165.59	0.00	0.01		7.36
2	7	d	2-7-d	Delivery	T6Heavy	0.06	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.81	0.00	0.00		3.32
2	7	d	2-7-d	Asphalt	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07
2	7	d	2-7-d	Concrete	T7Single	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23
2	7	e	2-7-e	Delivery	T6Heavy	0.42	0.42	0.00	0.11	0.11	0.01	525.94	0.00	0.02		23.37	0.02	0.63	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	523.68	0.00	0.02		23.27
2	7	e	2-7-e	Concrete	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07
2	8	a	2-8-a	Dump	T7Single	0.01	0.01	0.00	0.00	0.00	0.00	24.93	0.00	0.00		1.11	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.84	0.00	0.00		1.10
2	8	c	2-8-c	Delivery	T6Heavy	0.21	0.21	0.00	0.05	0.06	0.00	262.97	0.00	0.01		11.69	0.01	0.32	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	261.84	0.00	0.01		11.64
2	8	c	2-8-c	Dump	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	74.78	0.00	0.00		3.32	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.52	0.00	0.00		3.31
2	8	c	2-8-c	Concrete	T7Single	0.10	0.10	0.00	0.03	0.03	0.00	166.17	0.00	0.01		7.38	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	165.59	0.00	0.01		7.36
2	8	d	2-8-d	Delivery	T6Heavy	0.06	0.06	0.00	0.02	0.02	0.00	75.13	0.00	0.00		3.34	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.81	0.00	0.00		3.32
2	8	d	2-8-d	Asphalt	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07
2	8	d	2-8-d	Concrete	T7Single	0.02	0.02	0.00	0.00	0.00	0.00	27.70	0.00	0.00		1.23	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.60	0.00	0.00		1.23
2	8	e	2-8-e	Delivery	T6Heavy	0.42	0.42	0.00	0.11	0.11	0.01	525.94	0.00	0.02		23.37	0.02	0.63	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	523.68	0.00	0.02		23.27
2	8	e	2-8-e	Concrete	T7Single	0.04	0.04	0.00	0.01	0.01	0.00	69.24	0.00	0.00		3.08	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	69.00	0.00	0.00		3.07

Construction - Mitigated Tier 4

Truck Emissions						Pounds per day 2027													Gal/Day	Pounds per day 2028										
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2
5	1	a	5-1-a	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00
5	1	b	5-1-a	Landfill	T7Single	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	296.94	0.00	0.01		13.20	0.01	0.28	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	296.00
5	1	c	5-1-c	Delivery	T6Heavy	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76
5	1	c	5-1-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00
5	1	c	5-1-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.44
5	1	d	5-1-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.22
5	1	d	5-1-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52
5	1	d	5-1-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41
5	1	e	5-1-e	Delivery	T6Heavy	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	558.20	0.00	0.02		24.81	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	556.62
5	1	e	5-1-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52
4	2	a	4-2-a	Dump	T7Single	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	123.73	0.00	0.00		5.50	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	123.33
4	2	b	4-2-b	Landfill	T7Single	0.04	0.79	0.22	0.00	0.51	0.51	0.00	0.13	0.14	0.01	848.76	0.00	0.03		37.72	0.04	0.79	0.23	0.00	0.51	0.51	0.00	0.13	0.14	0.01	846.07
4	2	c	4-2-c	Delivery	T6Heavy	0.03	0.93	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	781.47	0.00	0.03		34.73	0.03	0.92	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	779.27
4	2	c	4-2-c	Dump	T7Single	0.01	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	222.71	0.00	0.01		9.90	0.01	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	222.00
4	2	c	4-2-c	Concrete	T7Single	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	494.90	0.00	0.02		21.99	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	493.33
4	2	d	4-2-d	Delivery	T6Heavy	0.01	0.35	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	297.70	0.00	0.01		13.23	0.01	0.35	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	296.86
4	2	d	4-2-d	Asphalt	T7Single	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	274.95	0.00	0.01		12.22	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	274.07
4	2	d	4-2-d	Concrete	T7Single	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	109.98	0.00	0.00		4.89	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	109.63
4	2	e	4-2-e	Delivery	T6Heavy	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	558.20	0.00	0.02		24.81	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	556.62
4	2	e	4-2-e	Concrete	T7Single	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	192.46	0.00	0.01		8.55	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	191.85
4	3	c	4-3-c	Delivery	T6Heavy	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	520.98	0.00	0.02		23.15	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	519.51
4	3	c	4-3-c	Dump	T7Single	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	148.47	0.00	0.00		6.60	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	148.00
4	3	c	4-3-c	Concrete	T7Single	0.01	0.31	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	329.94	0.00	0.01		14.66	0.01	0.31	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	328.89
4	3	d	4-3-d	Delivery	T6Heavy	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.21	0.00	0.00		1.65	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.11
4	3	d	4-3-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52
4	3	d	4-3-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41
4	3	e	4-3-e	Delivery	T6Heavy	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76
4	3	e	4-3-e	Concrete	T7Single	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	41.24	0.00	0.00		1.83	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	41.11
4	4	a	4-4-a	Landfill	T7Single	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	80.05	0.00	0.00		3.56	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	79.79
4	4	a	4-4-a	Dump	T7Single	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	494.90	0.00	0.02		21.99	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	493.33
4	4	c	4-4-c	Delivery	T6Heavy	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76
4	4	c	4-4-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00
4	4	c	4-4-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.44
4	4	d	4-4-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.22
4	4	d	4-4-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52
4	4	d	4-4-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41
4	4	e	4-4-e	Delivery	T6Heavy	0.03	0.75	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	632.62	0.00	0.02		28.11	0.03	0.75	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	630.84
4	4	e	4-4-e	Concrete	T7Single	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	82.48	0.00	0.00		3.67	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	82.22
3	2	a	3-2-a	Landfill	T7Single	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.32	0.00	0.00		0.77	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.27
3	2	a	3-2-a	Dump	T7Single	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	49.49	0.00	0.00		2.20	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	49.33
3	5	c	3-5-c	Delivery	T6Heavy	0.01	0.22	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	186.07	0.00	0.01		8.27	0.01	0.22	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	185.54
3	5	c	3-5-c	Dump	T7Single	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	117.13	0.00	0.00		5.21	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	116.76
3	5	c	3-5-c	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52
3	5	d	3-5-d	Delivery	T6Heavy	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.96	0.00	0.00		1.69	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.85
3	5	d	3-5-d	Asphalt	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.37	0.00	0.00		1.53	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.26
3	5	d	3-5-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41
3	5	e	3-5-e	Delivery	T6Heavy	0.02	0.49	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	409.34	0.00	0.01		18.19	0.02	0.48	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	408.19
3	5	e	3-5-e	Concrete	T7Single	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	54.99	0.00	0.00		2.44	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	54.81
1	6	a	1-6-a	Dump	T7Single	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.75	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.67
1	6	c	1-6-c	Delivery	T6Heavy	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76
1	6	c	1-6-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00
1	6	c	1-6-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.44
1	6	d	1-6-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.22
1	6	d	1-6-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52
1	6	d	1-6-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41
1	6	e	1-6-e	Delivery	T6Heavy	0.02	0.71	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	595.41	0.00	0.02		26.46	0.02	0.70	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	593.73
1	6	e	1-6-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52
2	7	a	2-7-a	Dump	T7Single	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.75	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.67
2	7	c	2-7-c	Delivery	T6Heavy	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76
2	7	c	2-7-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00
2	7	c	2-7-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.44
2	7	d	2-7-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.22
2	7	d	2-7-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52
2	7	d	2-7-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41
2	7	e	2-7-e	Delivery	T6Heavy	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	520.98	0.00	0.02		23.15	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	519.51
2	7	e	2-7-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52
2	8	a	2-8-a	Dump	T7Single	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.75	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.67
2	8	c	2-8-c	Delivery	T6Heavy	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	260.49	0.00	0.01		11.58	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.76
2	8	c	2-8-c	Dump	T7Single	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.24	0.00	0.00		3.30	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	74.00
2	8	c	2-8-c	Concrete	T7Single	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.97	0.00	0.01		7.33	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	164.44
2	8	d	2-8-d	Delivery	T6Heavy	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.43	0.00	0.00		3.31	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.22
2	8	d	2-8-d	Asphalt	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52
2	8	d	2-8-d	Concrete	T7Single	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.49	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.41
2	8	e	2-8-e	Delivery	T6Heavy	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	520.98	0.00	0.02		23.15	0.02	0.62	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	519.51
2	8	e	2-8-e	Concrete	T7Single	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.74	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.52

Construction - Mitigated Tier 4

Truck Emissions									Gal/Day	Pounds per day 2029														Gal/Day	Pounds						
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex
5	1	a	5-1-a	Dump	T7Single	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00
5	1	b	5-1-a	Landfill	T7Single	0.00	0.01		13.15	0.01	0.27	0.08	0.00	0.18	0.18	0.00	0.05	0.05	0.00	295.00	0.00	0.01		13.11	0.01	0.27	0.08	0.00	0.18	0.18	0.00
5	1	c	5-1-c	Delivery	T6Heavy	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00
5	1	c	5-1-c	Dump	T7Single	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00
5	1	c	5-1-c	Concrete	T7Single	0.00	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28	0.01	0.15	0.04	0.00	0.10	0.10	0.00
5	1	d	5-1-d	Delivery	T6Heavy	0.00	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29	0.00	0.09	0.02	0.00	0.06	0.06	0.00
5	1	d	5-1-d	Asphalt	T7Single	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00
5	1	d	5-1-d	Concrete	T7Single	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00
5	1	e	5-1-e	Delivery	T6Heavy	0.00	0.02		24.74	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	555.06	0.00	0.02		24.67	0.02	0.65	0.12	0.00	0.45	0.45	0.00
5	1	e	5-1-e	Concrete	T7Single	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00
4	2	a	4-2-a	Dump	T7Single	0.00	0.00		5.48	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	122.92	0.00	0.00		5.46	0.01	0.11	0.03	0.00	0.07	0.07	0.00
4	2	b	4-2-b	Landfill	T7Single	0.00	0.03		37.60	0.04	0.78	0.23	0.00	0.51	0.51	0.00	0.13	0.14	0.01	843.22	0.00	0.03		37.47	0.04	0.77	0.23	0.00	0.51	0.51	0.00
4	2	c	4-2-c	Delivery	T6Heavy	0.00	0.03		34.63	0.03	0.92	0.17	0.00	0.63	0.63	0.00	0.16	0.17	0.01	777.08	0.00	0.03		34.53	0.03	0.91	0.17	0.00	0.63	0.63	0.00
4	2	c	4-2-c	Dump	T7Single	0.00	0.01		9.87	0.01	0.21	0.06	0.00	0.13	0.13	0.00	0.03	0.04	0.00	221.25	0.00	0.01		9.83	0.01	0.20	0.06	0.00	0.13	0.13	0.00
4	2	c	4-2-c	Concrete	T7Single	0.00	0.02		21.92	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	491.67	0.00	0.02		21.85	0.02	0.45	0.13	0.00	0.30	0.30	0.00
4	2	d	4-2-d	Delivery	T6Heavy	0.00	0.01		13.19	0.01	0.35	0.07	0.00	0.24	0.24	0.00	0.06	0.06	0.00	296.03	0.00	0.01		13.16	0.01	0.35	0.07	0.00	0.24	0.24	0.00
4	2	d	4-2-d	Asphalt	T7Single	0.00	0.01		12.18	0.01	0.25	0.07	0.00	0.16	0.17	0.00	0.04	0.04	0.00	273.15	0.00	0.01		12.14	0.01	0.25	0.07	0.00	0.16	0.17	0.00
4	2	d	4-2-d	Concrete	T7Single	0.00	0.00		4.87	0.00	0.10	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	109.26	0.00	0.00		4.86	0.00	0.10	0.03	0.00	0.07	0.07	0.00
4	2	e	4-2-e	Delivery	T6Heavy	0.00	0.02		24.74	0.02	0.66	0.12	0.00	0.45	0.45	0.00	0.12	0.12	0.01	555.06	0.00	0.02		24.67	0.02	0.65	0.12	0.00	0.45	0.45	0.00
4	2	e	4-2-e	Concrete	T7Single	0.00	0.01		8.53	0.01	0.18	0.05	0.00	0.11	0.12	0.00	0.03	0.03	0.00	191.21	0.00	0.01		8.50	0.01	0.18	0.05	0.00	0.11	0.12	0.00
4	3	c	4-3-c	Delivery	T6Heavy	0.00	0.02		23.09	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	518.05	0.00	0.02		23.02	0.02	0.61	0.11	0.00	0.42	0.42	0.00
4	3	c	4-3-c	Dump	T7Single	0.00	0.00		6.58	0.01	0.14	0.04	0.00	0.09	0.09	0.00	0.02	0.02	0.00	147.50	0.00	0.00		6.56	0.01	0.14	0.04	0.00	0.09	0.09	0.00
4	3	c	4-3-c	Concrete	T7Single	0.00	0.01		14.62	0.01	0.30	0.09	0.00	0.20	0.20	0.00	0.05	0.05	0.00	327.78	0.00	0.01		14.57	0.01	0.30	0.09	0.00	0.20	0.20	0.00
4	3	d	4-3-d	Delivery	T6Heavy	0.00	0.00		1.65	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.00	0.00	0.00		1.64	0.00	0.04	0.01	0.00	0.03	0.03	0.00
4	3	d	4-3-d	Asphalt	T7Single	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00
4	3	d	4-3-d	Concrete	T7Single	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00
4	3	e	4-3-e	Delivery	T6Heavy	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00
4	3	e	4-3-e	Concrete	T7Single	0.00	0.00		1.83	0.00	0.04	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	40.97	0.00	0.00		1.82	0.00	0.04	0.01	0.00	0.02	0.02	0.00
4	4	a	4-4-a	Landfill	T7Single	0.00	0.00		3.55	0.00	0.07	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	79.52	0.00	0.00		3.53	0.00	0.07	0.02	0.00	0.05	0.05	0.00
4	4	a	4-4-a	Dump	T7Single	0.00	0.02		21.92	0.02	0.46	0.13	0.00	0.30	0.30	0.00	0.08	0.08	0.00	491.67	0.00	0.02		21.85	0.02	0.45	0.13	0.00	0.30	0.30	0.00
4	4	c	4-4-c	Delivery	T6Heavy	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00
4	4	c	4-4-c	Dump	T7Single	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00
4	4	c	4-4-c	Concrete	T7Single	0.00	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28	0.01	0.15	0.04	0.00	0.10	0.10	0.00
4	4	d	4-4-d	Delivery	T6Heavy	0.00	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29	0.00	0.09	0.02	0.00	0.06	0.06	0.00
4	4	d	4-4-d	Asphalt	T7Single	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00
4	4	d	4-4-d	Concrete	T7Single	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00
4	4	e	4-4-e	Delivery	T6Heavy	0.00	0.02		28.04	0.03	0.74	0.14	0.00	0.51	0.51	0.00	0.13	0.14	0.01	629.06	0.00	0.02		27.96	0.03	0.74	0.14	0.00	0.51	0.51	0.00
4	4	e	4-4-e	Concrete	T7Single	0.00	0.00		3.65	0.00	0.08	0.02	0.00	0.05	0.05	0.00	0.01	0.01	0.00	81.95	0.00	0.00		3.64	0.00	0.08	0.02	0.00	0.05	0.05	0.00
3	2	a	3-2-a	Landfill	T7Single	0.00	0.00		0.77	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	17.21	0.00	0.00		0.76	0.00	0.02	0.00	0.00	0.01	0.01	0.00
3	2	a	3-2-a	Dump	T7Single	0.00	0.00		2.19	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	49.17	0.00	0.00		2.19	0.00	0.05	0.01	0.00	0.03	0.03	0.00
3	5	c	3-5-c	Delivery	T6Heavy	0.00	0.01		8.25	0.01	0.22	0.04	0.00	0.15	0.15	0.00	0.04	0.04	0.00	185.02	0.00	0.01		8.22	0.01	0.22	0.04	0.00	0.15	0.15	0.00
3	5	c	3-5-c	Dump	T7Single	0.00	0.00		5.19	0.01	0.11	0.03	0.00	0.07	0.07	0.00	0.02	0.02	0.00	116.36	0.00	0.00		5.17	0.01	0.11	0.03	0.00	0.07	0.07	0.00
3	5	c	3-5-c	Concrete	T7Single	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00
3	5	d	3-5-d	Delivery	T6Heavy	0.00	0.00		1.68	0.00	0.04	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	37.74	0.00	0.00		1.68	0.00	0.04	0.01	0.00	0.03	0.03	0.00
3	5	d	3-5-d	Asphalt	T7Single	0.00	0.00		1.52	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	34.14	0.00	0.00		1.52	0.00	0.03	0.01	0.00	0.02	0.02	0.00
3	5	d	3-5-d	Concrete	T7Single	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00
3	5	e	3-5-e	Delivery	T6Heavy	0.00	0.01		18.14	0.02	0.48	0.09	0.00	0.33	0.33	0.00	0.09	0.09	0.00	407.04	0.00	0.01		18.09	0.02	0.48	0.09	0.00	0.33	0.33	0.00
3	5	e	3-5-e	Concrete	T7Single	0.00	0.00		2.44	0.00	0.05	0.01	0.00	0.03	0.03	0.00	0.01	0.01	0.00	54.63	0.00	0.00		2.43	0.00	0.05	0.01	0.00	0.03	0.03	0.00
1	6	a	1-6-a	Dump	T7Single	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.58	0.00	0.00		1.09	0.00	0.02	0.01	0.00	0.01	0.01	0.00
1	6	c	1-6-c	Delivery	T6Heavy	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00
1	6	c	1-6-c	Dump	T7Single	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00
1	6	c	1-6-c	Concrete	T7Single	0.00	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28	0.01	0.15	0.04	0.00	0.10	0.10	0.00
1	6	d	1-6-d	Delivery	T6Heavy	0.00	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29	0.00	0.09	0.02	0.00	0.06	0.06	0.00
1	6	d	1-6-d	Asphalt	T7Single	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00
1	6	d	1-6-d	Concrete	T7Single	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00
1	6	e	1-6-e	Delivery	T6Heavy	0.00	0.02		26.39	0.02	0.70	0.13	0.00	0.48	0.48	0.00	0.13	0.13	0.01	592.06	0.00	0.02		26.31	0.02	0.69	0.13	0.00	0.48	0.48	0.00
1	6	e	1-6-e	Concrete	T7Single	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00
2	7	a	2-7-a	Dump	T7Single	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.58	0.00	0.00		1.09	0.00	0.02	0.01	0.00	0.01	0.01	0.00
2	7	c	2-7-c	Delivery	T6Heavy	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00
2	7	c	2-7-c	Dump	T7Single	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00
2	7	c	2-7-c	Concrete	T7Single	0.00	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28	0.01	0.15	0.04	0.00	0.10	0.10	0.00
2	7	d	2-7-d	Delivery	T6Heavy	0.00	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29	0.00	0.09	0.02	0.00	0.06	0.06	0.00
2	7	d	2-7-d	Asphalt	T7Single	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00
2	7	d	2-7-d	Concrete	T7Single	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00
2	7	e	2-7-e	Delivery	T6Heavy	0.00	0.02		23.09	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	518.05	0.00	0.02		23.02	0.02	0.61	0.11	0.00	0.42	0.42	0.00
2	7	e	2-7-e	Concrete	T7Single	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00
2	8	a	2-8-a	Dump	T7Single	0.00	0.00		1.10	0.00	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	24.58	0.00	0.00		1.09	0.00	0.02	0.01	0.00	0.01	0.01	0.00
2	8	c	2-8-c	Delivery	T6Heavy	0.00	0.01		11.54	0.01	0.31	0.06	0.00	0.21	0.21	0.00	0.05	0.06	0.00	259.03	0.00	0.01		11.51	0.01	0.30	0.06	0.00	0.21	0.21	0.00
2	8	c	2-8-c	Dump	T7Single	0.00	0.00		3.29	0.00	0.07	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	73.75	0.00	0.00		3.28	0.00	0.07	0.02	0.00	0.04	0.04	0.00
2	8	c	2-8-c	Concrete	T7Single	0.00	0.01		7.31	0.01	0.15	0.04	0.00	0.10	0.10	0.00	0.03	0.03	0.00	163.89	0.00	0.01		7.28	0.01	0.15	0.04	0.00	0.10	0.10	0.00
2	8	d	2-8-d	Delivery	T6Heavy	0.00	0.00		3.30	0.00	0.09	0.02	0.00	0.06	0.06	0.00	0.02	0.02	0.00	74.01	0.00	0.00		3.29	0.00	0.09	0.02	0.00	0.06	0.06	0.00
2	8	d	2-8-d	Asphalt	T7Single	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00
2	8	d	2-8-d	Concrete	T7Single	0.00	0.00		1.22	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	27.32	0.00	0.00		1.21	0.00	0.03	0.01	0.00	0.02	0.02	0.00
2	8	e	2-8-e	Delivery	T6Heavy	0.00	0.02		23.09	0.02	0.61	0.11	0.00	0.42	0.42	0.00	0.11	0.11	0.00	518.05	0.00	0.02		23.02	0.02	0.61	0.11	0.00	0.42	0.42	0.00
2	8	e	2-8-e	Concrete	T7Single	0.00	0.00		3.05	0.00	0.06	0.02	0.00	0.04	0.04	0.00	0.01	0.01	0.00	68.29	0.00	0.00		3.03	0.00	0.06	0.02	0.00	0.04	0.04	0.00

Construction - Mitigated Tier 4

Truck Emissions

						per day							Gal/Day
						2030							
Parcel	Phase	Activity	Sch Code	Vehicle	Vehicle Type	PM2.5 D	PM2.5 T	SOX	CO2	CH4	N2O	Other	Fuel
5	1	a	5-1-a	Dump	T7Single	0.01	0.01	0.00	73.42	0.00	0.00		3.26
5	1	b	5-1-a	Landfill	T7Single	0.05	0.05	0.00	293.67	0.00	0.01		13.05
5	1	c	5-1-c	Delivery	T6Heavy	0.05	0.06	0.00	258.33	0.00	0.01		11.48
5	1	c	5-1-c	Dump	T7Single	0.01	0.01	0.00	73.42	0.00	0.00		3.26
5	1	c	5-1-c	Concrete	T7Single	0.03	0.03	0.00	163.15	0.00	0.01		7.25
5	1	d	5-1-d	Delivery	T6Heavy	0.02	0.02	0.00	73.81	0.00	0.00		3.28
5	1	d	5-1-d	Asphalt	T7Single	0.01	0.01	0.00	67.98	0.00	0.00		3.02
5	1	d	5-1-d	Concrete	T7Single	0.00	0.00	0.00	27.19	0.00	0.00		1.21
5	1	e	5-1-e	Delivery	T6Heavy	0.12	0.12	0.01	553.57	0.00	0.02		24.60
5	1	e	5-1-e	Concrete	T7Single	0.01	0.01	0.00	67.98	0.00	0.00		3.02
4	2	a	4-2-a	Dump	T7Single	0.02	0.02	0.00	122.36	0.00	0.00		5.44
4	2	b	4-2-b	Landfill	T7Single	0.13	0.14	0.01	839.42	0.00	0.03		37.31
4	2	c	4-2-c	Delivery	T6Heavy	0.16	0.17	0.01	775.00	0.00	0.03		34.44
4	2	c	4-2-c	Dump	T7Single	0.03	0.04	0.00	220.25	0.00	0.01		9.79
4	2	c	4-2-c	Concrete	T7Single	0.08	0.08	0.00	489.46	0.00	0.02		21.75
4	2	d	4-2-d	Delivery	T6Heavy	0.06	0.06	0.00	295.24	0.00	0.01		13.12
4	2	d	4-2-d	Asphalt	T7Single	0.04	0.04	0.00	271.92	0.00	0.01		12.08
4	2	d	4-2-d	Concrete	T7Single	0.02	0.02	0.00	108.77	0.00	0.00		4.83
4	2	e	4-2-e	Delivery	T6Heavy	0.12	0.12	0.01	553.57	0.00	0.02		24.60
4	2	e	4-2-e	Concrete	T7Single	0.03	0.03	0.00	190.34	0.00	0.01		8.46
4	3	c	4-3-c	Delivery	T6Heavy	0.11	0.11	0.00	516.67	0.00	0.02		22.96
4	3	c	4-3-c	Dump	T7Single	0.02	0.02	0.00	146.84	0.00	0.00		6.53
4	3	c	4-3-c	Concrete	T7Single	0.05	0.05	0.00	326.30	0.00	0.01		14.50
4	3	d	4-3-d	Delivery	T6Heavy	0.01	0.01	0.00	36.90	0.00	0.00		1.64
4	3	d	4-3-d	Asphalt	T7Single	0.01	0.01	0.00	67.98	0.00	0.00		3.02
4	3	d	4-3-d	Concrete	T7Single	0.00	0.00	0.00	27.19	0.00	0.00		1.21
4	3	e	4-3-e	Delivery	T6Heavy	0.05	0.06	0.00	258.33	0.00	0.01		11.48
4	3	e	4-3-e	Concrete	T7Single	0.01	0.01	0.00	40.79	0.00	0.00		1.81
4	4	a	4-4-a	Landfill	T7Single	0.01	0.01	0.00	79.16	0.00	0.00		3.52
4	4	a	4-4-a	Dump	T7Single	0.08	0.08	0.00	489.46	0.00	0.02		21.75
4	4	c	4-4-c	Delivery	T6Heavy	0.05	0.06	0.00	258.33	0.00	0.01		11.48
4	4	c	4-4-c	Dump	T7Single	0.01	0.01	0.00	73.42	0.00	0.00		3.26
4	4	c	4-4-c	Concrete	T7Single	0.03	0.03	0.00	163.15	0.00	0.01		7.25
4	4	d	4-4-d	Delivery	T6Heavy	0.02	0.02	0.00	73.81	0.00	0.00		3.28
4	4	d	4-4-d	Asphalt	T7Single	0.01	0.01	0.00	67.98	0.00	0.00		3.02
4	4	d	4-4-d	Concrete	T7Single	0.00	0.00	0.00	27.19	0.00	0.00		1.21
4	4	e	4-4-e	Delivery	T6Heavy	0.13	0.14	0.01	627.38	0.00	0.02		27.88
4	4	e	4-4-e	Concrete	T7Single	0.01	0.01	0.00	81.58	0.00	0.00		3.63
3	2	a	3-2-a	Landfill	T7Single	0.00	0.00	0.00	17.13	0.00	0.00		0.76
3	2	a	3-2-a	Dump	T7Single	0.01	0.01	0.00	48.95	0.00	0.00		2.18
3	5	c	3-5-c	Delivery	T6Heavy	0.04	0.04	0.00	184.52	0.00	0.01		8.20
3	5	c	3-5-c	Dump	T7Single	0.02	0.02	0.00	115.84	0.00	0.00		5.15
3	5	c	3-5-c	Concrete	T7Single	0.01	0.01	0.00	67.98	0.00	0.00		3.02
3	5	d	3-5-d	Delivery	T6Heavy	0.01	0.01	0.00	37.64	0.00	0.00		1.67
3	5	d	3-5-d	Asphalt	T7Single	0.01	0.01	0.00	33.99	0.00	0.00		1.51
3	5	d	3-5-d	Concrete	T7Single	0.00	0.00	0.00	27.19	0.00	0.00		1.21
3	5	e	3-5-e	Delivery	T6Heavy	0.09	0.09	0.00	405.95	0.00	0.01		18.04
3	5	e	3-5-e	Concrete	T7Single	0.01	0.01	0.00	54.38	0.00	0.00		2.42
1	6	a	1-6-a	Dump	T7Single	0.00	0.00	0.00	24.47	0.00	0.00		1.09
1	6	c	1-6-c	Delivery	T6Heavy	0.05	0.06	0.00	258.33	0.00	0.01		11.48
1	6	c	1-6-c	Dump	T7Single	0.01	0.01	0.00	73.42	0.00	0.00		3.26
1	6	c	1-6-c	Concrete	T7Single	0.03	0.03	0.00	163.15	0.00	0.01		7.25
1	6	d	1-6-d	Delivery	T6Heavy	0.02	0.02	0.00	73.81	0.00	0.00		3.28
1	6	d	1-6-d	Asphalt	T7Single	0.01	0.01	0.00	67.98	0.00	0.00		3.02
1	6	d	1-6-d	Concrete	T7Single	0.00	0.00	0.00	27.19	0.00	0.00		1.21
1	6	e	1-6-e	Delivery	T6Heavy	0.13	0.13	0.01	590.48	0.00	0.02		26.24
1	6	e	1-6-e	Concrete	T7Single	0.01	0.01	0.00	67.98	0.00	0.00		3.02
2	7	a	2-7-a	Dump	T7Single	0.00	0.00	0.00	24.47	0.00	0.00		1.09
2	7	c	2-7-c	Delivery	T6Heavy	0.05	0.06	0.00	258.33	0.00	0.01		11.48
2	7	c	2-7-c	Dump	T7Single	0.01	0.01	0.00	73.42	0.00	0.00		3.26
2	7	c	2-7-c	Concrete	T7Single	0.03	0.03	0.00	163.15	0.00	0.01		7.25
2	7	d	2-7-d	Delivery	T6Heavy	0.02	0.02	0.00	73.81	0.00	0.00		3.28
2	7	d	2-7-d	Asphalt	T7Single	0.01	0.01	0.00	67.98	0.00	0.00		3.02
2	7	d	2-7-d	Concrete	T7Single	0.00	0.00	0.00	27.19	0.00	0.00		1.21
2	7	e	2-7-e	Delivery	T6Heavy	0.11	0.11	0.00	516.67	0.00	0.02		22.96
2	7	e	2-7-e	Concrete	T7Single	0.01	0.01	0.00	67.98	0.00	0.00		3.02
2	8	a	2-8-a	Dump	T7Single	0.00	0.00	0.00	24.47	0.00	0.00		1.09
2	8	c	2-8-c	Delivery	T6Heavy	0.05	0.06	0.00	258.33	0.00	0.01		11.48
2	8	c	2-8-c	Dump	T7Single	0.01	0.01	0.00	73.42	0.00	0.00		3.26
2	8	c	2-8-c	Concrete	T7Single	0.03	0.03	0.00	163.15	0.00	0.01		7.25
2	8	d	2-8-d	Delivery	T6Heavy	0.02	0.02	0.00	73.81	0.00	0.00		3.28
2	8	d	2-8-d	Asphalt	T7Single	0.01	0.01	0.00	67.98	0.00	0.00		3.02
2	8	d	2-8-d	Concrete	T7Single	0.00	0.00	0.00	27.19	0.00	0.00		1.21
2	8	e	2-8-e	Delivery	T6Heavy	0.11	0.11	0.00	516.67	0.00	0.02		22.96
2	8	e	2-8-e	Concrete	T7Single	0.01	0.01	0.00	67.98	0.00	0.00		3.02

Construction - Mitigated Tier 4

Fugitive Dust - Demo, Piles, and Grading

							Pounds per day			
							All Years			
Parcel	Phase	Activity	Sch Code	Soil (CY)	Days	CY/Day	PM10 D	PM10 T	PM2.5 D	PM2.5 T
5	1	a	5-1-a	5,310	157	34	0.001	0.001	0.000	0.000
4	2	a	4-2-a	26,692	221	121	0.005	0.005	0.001	0.001
4	3	a	4-3-a	0	0	0	0.000	0.000	0.000	0.000
4	4	a	4-4-a	7,777	158	49	0.002	0.002	0.000	0.000
3	5	a	3-5-a	13,242	81	163	0.006	0.006	0.001	0.001
1	6	a	1-6-a	14,126	64	221	0.009	0.009	0.001	0.001
2	7	a	2-7-a	10,676	29	368	0.014	0.014	0.002	0.002
2	8	a	2-8-a	10,700	95	113	0.004	0.004	0.001	0.001
				0.00						
Parcel	Phase	Activity	Sch Code	Acres	Days	Acres/Day	PM10 D	PM10 T	PM2.5 D	PM2.5 T
5	1	a	5-1-a	8.0	157	0.1	0.014	0.014	0.002	0.002
4	2	a	4-2-a	61.0	221	0.3	0.076	0.076	0.008	0.008
4	3	a	4-3-a	0.0	0	0.0	0.000	0.000	0.000	0.000
4	4	a	4-4-a	25.0	158	0.2	0.044	0.044	0.005	0.005
3	5	a	3-5-a	35.0	81	0.4	0.119	0.119	0.013	0.013
1	6	a	1-6-a	37.0	64	0.6	0.159	0.159	0.017	0.017
2	7	a	2-7-a	26.0	29	0.9	0.247	0.247	0.027	0.027
2	8	a	2-8-a	35.0	95	0.4	0.102	0.102	0.011	0.011
				0.00						
Parcel	Phase	Activity	Sch Code	SF Demo	Days	SF/Day	PM10 D	PM10 T	PM2.5 D	PM2.5 T
5	1	a	5-1-a	6,550	157	42	0.041	0.041	0.006	0.006
4	2	b	4-2-b	19,853	37	537	0.531	0.531	0.080	0.080
4	3	a	4-3-a	0	0	0	0.000	0.000	0.000	0.000
4	4	a	4-4-a	13,545	158	86	0.085	0.085	0.013	0.013
3	2	a	3-5-a	521	81	6	0.006	0.006	0.001	0.001
1	6	a	1-6-a	36	64	1	0.001	0.001	0.000	0.000
2	7	a	2-7-a	420	29	14	0.014	0.014	0.002	0.002
2	8	a	2-8-a	350	95	4	0.004	0.004	0.001	0.001
				0.00						

Construction - Mitigated Tier 4

MM-AQ-1: Require Tier 4 engines for **all equipment**

		Emissions Standard						Reduction from Tier 2 (T3) and from Tier 3 (T4)					Multiplier					
	Tier	75–99 hp Engines	100–174 hp Engines	175–299 hp Engines	300–600 hp Engines	600-750 hp Engines	Average	75–99 hp Engines	100–174 hp Engines	175–299 hp Engines	300–600 hp Engines	600-750 hp Engines	75–99 hp Engines	100–174 hp Engines	175–299 hp Engines	300–600 hp Engines	600-750 hp Engines	Other
		(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	%	%	%	%	(g/bhp-hr)	
	2																	
	NO_x	4.75	4.17	4.15	3.79	3.79	4.2											
	ROG	0.23	0.19	0.12	0.12	0.12	0.2											
	PM	0.192	0.128	0.088	0.088	0.088	0.1											
	3																	
NOX3	NO_x	2.74	2.32	2.32	2.32	2.32	2.4	42%	44%	44%	39%	39%	58%	56%	56%	61%	61%	100.0%
ROG3	ROG	0.12	0.12	0.12	0.12	0.12	0.1	48%	37%	0%	0%	0%	52%	63%	100%	100%	100%	100.0%
PM3	PM	0.192	0.112	0.088	0.088	0.088	0.1	0%	13%	0%	0%	0%	100%	88%	100%	100%	100%	100.0%
	4																	
NOX4	NO_x	0.26	0.26	0.26	0.26	0.26	0.3	91%	89%	89%	89%	89%	9%	11%	11%	11%	11%	100.0%
ROG4	ROG	0.06	0.06	0.06	0.06	0.06	0.1	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	100.0%
PM4	PM	0.008	0.008	0.008	0.008	0.008	0.0	96%	93%	91%	91%	91%	4%	7%	9%	9%	9%	100.0%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

Summary of Scaling Factors 2020 500 ROG 0.5000

Year	HP	ROG	NOX	PM	Tier	Col
2017	15	1.00	1.00	1.00	4	19
2017	25	1.00	1.00	1.00	4	19
2017	50	1.00	1.00	1.00	4	19
2017	120	0.50	0.09	0.04	4	14
2017	175	0.50	0.11	0.07	4	15
2017	250	0.50	0.11	0.09	4	16
2017	500	0.50	0.11	0.09	4	17
2017	750	0.50	0.11	0.09	4	18
2017	1000	1.00	1.00	1.00	4	19
2017	9999	1.00	1.00	1.00	4	19
2018	15	1.00	1.00	1.00	4	19
2018	25	1.00	1.00	1.00	4	19
2018	50	1.00	1.00	1.00	4	19
2018	120	0.50	0.09	0.04	4	14
2018	175	0.50	0.11	0.07	4	15
2018	250	0.50	0.11	0.09	4	16
2018	500	0.50	0.11	0.09	4	17
2018	750	0.50	0.11	0.09	4	18
2018	1000	1.00	1.00	1.00	4	19
2018	9999	1.00	1.00	1.00	4	19
2019	15	1.00	1.00	1.00	4	19
2019	25	1.00	1.00	1.00	4	19
2019	50	1.00	1.00	1.00	4	19
2019	120	0.50	0.09	0.04	4	14
2019	175	0.50	0.11	0.07	4	15
2019	250	0.50	0.11	0.09	4	16
2019	500	0.50	0.11	0.09	4	17
2019	750	0.50	0.11	0.09	4	18
2019	1000	1.00	1.00	1.00	4	19
2019	9999	1.00	1.00	1.00	4	19
2020	15	1.00	1.00	1.00	4	19
2020	25	1.00	1.00	1.00	4	19
2020	50	1.00	1.00	1.00	4	19
2020	120	0.50	0.09	0.04	4	14
2020	175	0.50	0.11	0.07	4	15
2020	250	0.50	0.11	0.09	4	16
2020	500	0.50	0.11	0.09	4	17
2020	750	0.50	0.11	0.09	4	18
2020	1000	1.00	1.00	1.00	4	19
2020	9999	1.00	1.00	1.00	4	19
2021	15	1.00	1.00	1.00	4	19
2021	25	1.00	1.00	1.00	4	19
2021	50	1.00	1.00	1.00	4	19
2021	120	0.50	0.09	0.04	4	14
2021	175	0.50	0.11	0.07	4	15
2021	250	0.50	0.11	0.09	4	16
2021	500	0.50	0.11	0.09	4	17
2021	750	0.50	0.11	0.09	4	18
2021	1000	1.00	1.00	1.00	4	19
2021	9999	1.00	1.00	1.00	4	19
2022	15	1.00	1.00	1.00	4	19
2022	25	1.00	1.00	1.00	4	19
2022	50	1.00	1.00	1.00	4	19
2022	120	0.50	0.09	0.04	4	14
2022	175	0.50	0.11	0.07	4	15
2022	250	0.50	0.11	0.09	4	16
2022	500	0.50	0.11	0.09	4	17
2022	750	0.50	0.11	0.09	4	18
2022	1000	1.00	1.00	1.00	4	19
2022	9999	1.00	1.00	1.00	4	19

Max HP	Col
15	19
25	19
50	19
120	14
175	15
250	16
500	17
750	18
1000	19
9999	19

Year	Tier
2017	4
2018	4
2019	4
2020	4
2021	4
2022	4
2023	4
2024	4
2025	4
2026	4
2027	4
2028	4
2029	4
2030	4

		ROG	NOX	PM
Year	**HP**	**ROG**	**NOX**	**PM10**
2017	15	1	1	1
2017	25	1	1	1
2017	50	1	1	1
2017	120	0.5	0.094891	0.041667
2017	500	0.5	0.112069	0.090909
2017	750	0.5	0.112069	0.090909
2018	15	1	1	1
2018	25	1	1	1
2018	50	1	1	1
2018	120	0.5	0.094891	0.041667
2018	500	0.5	0.112069	0.090909
2018	750	0.5	0.112069	0.090909
2019	15	1	1	1
2019	25	1	1	1
2019	50	1	1	1
2019	120	0.5	0.094891	0.041667
2019	500	0.5	0.112069	0.090909
2019	750	0.5	0.112069	0.090909
2020	15	1	1	1

Construction - Mitigated Tier 4

2023	15	1.00	1.00	1.00	4	19
2023	25	1.00	1.00	1.00	4	19
2023	50	1.00	1.00	1.00	4	19
2023	120	0.50	0.09	0.04	4	14
2023	175	0.50	0.11	0.07	4	15
2023	250	0.50	0.11	0.09	4	16
2023	500	0.50	0.11	0.09	4	17
2023	750	0.50	0.11	0.09	4	18
2023	1000	1.00	1.00	1.00	4	19
2023	9999	1.00	1.00	1.00	4	19
2024	15	1.00	1.00	1.00	4	19
2024	25	1.00	1.00	1.00	4	19
2024	50	1.00	1.00	1.00	4	19
2024	120	0.50	0.09	0.04	4	14
2024	175	0.50	0.11	0.07	4	15
2024	250	0.50	0.11	0.09	4	16
2024	500	0.50	0.11	0.09	4	17
2024	750	0.50	0.11	0.09	4	18
2024	1000	1.00	1.00	1.00	4	19
2024	9999	1.00	1.00	1.00	4	19
2025	15	1.00	1.00	1.00	4	19
2025	25	1.00	1.00	1.00	4	19
2025	50	1.00	1.00	1.00	4	19
2025	120	0.50	0.09	0.04	4	14
2025	175	0.50	0.11	0.07	4	15
2025	250	0.50	0.11	0.09	4	16
2025	500	0.50	0.11	0.09	4	17
2025	750	0.50	0.11	0.09	4	18
2025	1000	1.00	1.00	1.00	4	19
2025	9999	1.00	1.00	1.00	4	19
2026	15	1.00	1.00	1.00	4	19
2026	25	1.00	1.00	1.00	4	19
2026	50	1.00	1.00	1.00	4	19
2026	120	0.50	0.09	0.04	4	14
2026	175	0.50	0.11	0.07	4	15
2026	250	0.50	0.11	0.09	4	16
2026	500	0.50	0.11	0.09	4	17
2026	750	0.50	0.11	0.09	4	18
2026	1000	1.00	1.00	1.00	4	19
2026	9999	1.00	1.00	1.00	4	19
2027	15	1.00	1.00	1.00	4	19
2027	25	1.00	1.00	1.00	4	19
2027	50	1.00	1.00	1.00	4	19
2027	120	0.50	0.09	0.04	4	14
2027	175	0.50	0.11	0.07	4	15
2027	250	0.50	0.11	0.09	4	16
2027	500	0.50	0.11	0.09	4	17
2027	750	0.50	0.11	0.09	4	18
2027	1000	1.00	1.00	1.00	4	19
2027	9999	1.00	1.00	1.00	4	19
2028	15	1.00	1.00	1.00	4	19
2028	25	1.00	1.00	1.00	4	19
2028	50	1.00	1.00	1.00	4	19
2028	120	0.50	0.09	0.04	4	14
2028	175	0.50	0.11	0.07	4	15
2028	250	0.50	0.11	0.09	4	16
2028	500	0.50	0.11	0.09	4	17
2028	750	0.50	0.11	0.09	4	18
2028	1000	1.00	1.00	1.00	4	19
2028	9999	1.00	1.00	1.00	4	19
2029	15	1.00	1.00	1.00	4	19
2029	25	1.00	1.00	1.00	4	19
2029	50	1.00	1.00	1.00	4	19
2029	120	0.50	0.09	0.04	4	14
2029	175	0.50	0.11	0.07	4	15
2029	250	0.50	0.11	0.09	4	16
2029	500	0.50	0.11	0.09	4	17
2029	750	0.50	0.11	0.09	4	18
2029	1000	1.00	1.00	1.00	4	19
2029	9999	1.00	1.00	1.00	4	19
2030	15	1.00	1.00	1.00	4	19
2030	25	1.00	1.00	1.00	4	19
2030	50	1.00	1.00	1.00	4	19
2030	120	0.50	0.09	0.04	4	14
2030	175	0.50	0.11	0.07	4	15
2030	250	0.50	0.11	0.09	4	16
2030	500	0.50	0.11	0.09	4	17
2030	750	0.50	0.11	0.09	4	18
2030	1000	1.00	1.00	1.00	4	19
2030	9999	1.00	1.00	1.00	4	19

Construction - Mitigated Tier 4

Daily Fuel Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5-1-aScrapers Cat 657G	339.41	333.89	328.46	321.09	321.10	320.75	320.77	320.86	321.32	321.32	321.32	321.32	321.32	386.79
5-1-aDozer D9T	119.56	117.44	115.62	113.09	112.91	112.89	112.94	112.80	112.79	112.79	112.79	112.79	112.79	135.23
5-1-aExcavator 374 FL	35.10	34.55	34.00	33.22	33.18	33.18	33.19	33.18	33.22	33.22	33.22	33.22	33.22	40.15
5-1-a825 Compactors	119.56	117.44	115.62	113.09	112.91	112.89	112.94	112.80	112.79	112.79	112.79	112.79	112.79	135.23
5-1-cJohn Deere 410K TC Backhoe Loader	46.18	45.39	44.63	43.64	43.66	43.71	43.76	43.79	43.83	43.83	43.83	43.83	43.83	52.20
5-1-cAuger Cast Caissons Drill Rig	108.73	107.89	105.97	103.70	104.37	103.78	103.08	103.18	103.80	103.80	103.80	103.80	103.80	126.24
5-1-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
5-1-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
5-1-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43	31.43
5-1-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
5-1-eLink Belt Conventional Lattice Crawler Crane	31.74	31.26	30.77	30.09	30.09	30.07	30.08	30.06	30.06	30.06	30.06	30.06	30.06	36.19
4-2-aScrapers Cat 657G	452.55	445.19	437.94	428.12	428.13	427.67	427.69	427.81	428.43	428.43	428.43	428.43	428.43	515.72
4-2-aDozer D9T	239.11	234.87	231.23	226.17	225.82	225.78	225.88	225.60	225.59	225.59	225.59	225.59	225.59	270.46
4-2-aCat 140M3 Grader	32.28	31.74	31.16	30.45	30.40	30.38	30.36	30.35	30.33	30.33	30.33	30.33	30.33	36.41
4-2-aCat 374 F L	35.10	34.55	34.00	33.22	33.18	33.18	33.19	33.18	33.22	33.22	33.22	33.22	33.22	40.15
4-2-a825 Compactors	239.11	234.87	231.23	226.17	225.82	225.78	225.88	225.60	225.59	225.59	225.59	225.59	225.59	270.46
4-2-aOff Highway Dump Truck Cat 770	142.90	140.64	138.32	135.24	135.23	135.28	135.38	135.42	135.35	135.35	135.35	135.35	135.35	161.95
4-2-aWheel Loader 986 H	114.19	112.41	110.66	108.28	108.55	108.59	108.67	108.68	108.83	108.83	108.83	108.83	108.83	131.83
4-2-bKomatsu PC360LC	140.39	138.21	135.99	132.89	132.70	132.73	132.78	132.73	132.89	132.89	132.89	132.89	132.89	160.59
4-2-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
4-2-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
4-2-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
4-2-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
4-2-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
4-2-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
4-2-eLink Belt Conventional Lattice Crawler Crane	126.96	125.04	123.07	120.37	120.34	120.27	120.30	120.25	120.22	120.22	120.22	120.22	120.22	144.76
4-2-eLink Belt Conventional Lattice Crawler Crane	126.96	125.04	123.07	120.37	120.34	120.27	120.30	120.25	120.22	120.22	120.22	120.22	120.22	144.76
4-3-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
4-3-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
4-3-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
4-3-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
4-3-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
4-3-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
4-3-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
4-3-eLink Belt Conventional Lattice Crawler Crane	63.48	62.52	61.53	60.19	60.17	60.14	60.15	60.12	60.11	60.11	60.11	60.11	60.11	72.38
4-4-aScrapers Cat 657G	339.41	333.89	328.46	321.09	321.10	320.75	320.77	320.86	321.32	321.32	321.32	321.32	321.32	386.79
4-4-aDozer D9T	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
4-4-aCat 140M3 Grader	16.14	15.87	15.58	15.23	15.20	15.19	15.18	15.17	15.17	15.17	15.17	15.17	15.17	18.21
4-4-aCat 374 F L	17.55	17.28	17.00	16.61	16.59	16.59	16.60	16.59	16.61	16.61	16.61	16.61	16.61	20.07
4-4-a825 Compactors	119.56	117.44	115.62	113.09	112.91	112.89	112.94	112.80	112.79	112.79	112.79	112.79	112.79	135.23
4-4-aOff Highway Dump Truck Cat 770	71.45	70.32	69.16	67.62	67.62	67.64	67.69	67.71	67.68	67.68	67.68	67.68	67.68	80.97
4-4-aWheel Loader 986 H	57.10	56.20	55.33	54.14	54.27	54.30	54.34	54.34	54.41	54.41	54.41	54.41	54.41	65.91
4-4-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
4-4-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
4-4-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
4-4-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
4-4-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
4-4-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
4-4-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
4-4-eLink Belt Conventional Lattice Crawler Crane	95.22	93.78	92.30	90.28	90.26	90.21	90.23	90.18	90.17	90.17	90.17	90.17	90.17	108.57
3-2-dirtScrapers Cat 657	452.55	445.19	437.94	428.12	428.13	427.67	427.69	427.81	428.43	428.43	428.43	428.43	428.43	515.72
3-2-dirtDozer D9T	239.11	234.87	231.23	226.17	225.82	225.78	225.88	225.60	225.59	225.59	225.59	225.59	225.59	270.46
3-2-aScrapers Cat 657	226.27	222.59	218.97	214.06	214.07	213.84	213.84	213.90	214.22	214.22	214.22	214.22	214.22	257.86
3-2-aDozer D9T	119.56	117.44	115.62	113.09	112.91	112.89	112.94	112.80	112.79	112.79	112.79	112.79	112.79	135.23
3-2-aCat 140M3 Grader	32.28	31.74	31.16	30.45	30.40	30.38	30.36	30.35	30.33	30.33	30.33	30.33	30.33	36.41

Construction - Mitigated Tier 4

3-2-aCat 374 F L	35.10	34.55	34.00	33.22	33.18	33.18	33.19	33.18	33.22	33.22	33.22	33.22	33.22	40.15
3-2-a825 Compactors	119.56	117.44	115.62	113.09	112.91	112.89	112.94	112.80	112.79	112.79	112.79	112.79	112.79	135.23
3-2-aOff Highway Dump Truck Cat 770	142.90	140.64	138.32	135.24	135.23	135.28	135.38	135.42	135.35	135.35	135.35	135.35	135.35	161.95
3-2-aWheel Loader 986 H	114.19	112.41	110.66	108.28	108.55	108.59	108.67	108.68	108.83	108.83	108.83	108.83	108.83	131.83
3-5-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
3-5-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
3-5-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
3-5-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
3-5-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
3-5-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
3-5-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85
3-5-eLink Belt Conventional Lattice Crawler Crane	63.48	62.52	61.53	60.19	60.17	60.14	60.15	60.12	60.11	60.11	60.11	60.11	60.11	72.38
1-6-aScrapers Cat 657	339.41	333.89	328.46	321.09	321.10	320.75	320.77	320.86	321.32	321.32	321.32	321.32	321.32	386.79
1-6-aDozer D9T	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
1-6-aCat 140M3 Grader	32.28	31.74	31.16	30.45	30.40	30.38	30.36	30.35	30.33	30.33	30.33	30.33	30.33	36.41
1-6-aCat 374 F L	17.55	17.28	17.00	16.61	16.59	16.59	16.60	16.59	16.61	16.61	16.61	16.61	16.61	20.07
1-6-a825 Compactors	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
1-6-aOff Highway Dump Truck Cat 770	142.90	140.64	138.32	135.24	135.23	135.28	135.38	135.42	135.35	135.35	135.35	135.35	135.35	161.95
1-6-aWheel Loader 986 H	114.19	112.41	110.66	108.28	108.55	108.59	108.67	108.68	108.83	108.83	108.83	108.83	108.83	131.83
1-6-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
1-6-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
1-6-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
1-6-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
1-6-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
1-6-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
1-6-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85
1-6-eLink Belt Conventional Lattice Crawler Crane	95.22	93.78	92.30	90.28	90.26	90.21	90.23	90.18	90.17	90.17	90.17	90.17	90.17	108.57
1-6-eLink Belt Conventional Lattice Crawler Crane	95.22	93.78	92.30	90.28	90.26	90.21	90.23	90.18	90.17	90.17	90.17	90.17	90.17	108.57
2-7-aScrapers Cat 657	339.41	333.89	328.46	321.09	321.10	320.75	320.77	320.86	321.32	321.32	321.32	321.32	321.32	386.79
2-7-aDozer D9T	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
2-7-aCat 140M3 Grader	32.28	31.74	31.16	30.45	30.40	30.38	30.36	30.35	30.33	30.33	30.33	30.33	30.33	36.41
2-7-aCat 374 F L	17.55	17.28	17.00	16.61	16.59	16.59	16.60	16.59	16.61	16.61	16.61	16.61	16.61	20.07
2-7-a825 Compactors	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
2-7-aOff Highway Dump Truck Cat 770	142.90	140.64	138.32	135.24	135.23	135.28	135.38	135.42	135.35	135.35	135.35	135.35	135.35	161.95
2-7-aWheel Loader 986 H	114.19	112.41	110.66	108.28	108.55	108.59	108.67	108.68	108.83	108.83	108.83	108.83	108.83	131.83
2-7-cJohn Deere 410K TC Backhoe Loader	76.97	75.64	74.38	72.74	72.77	72.85	72.93	72.98	73.05	73.05	73.05	73.05	73.05	87.00
2-7-cAuger Cast Caissons Drill Rig	163.09	161.84	158.96	155.55	156.55	155.67	154.62	154.77	155.71	155.71	155.71	155.71	155.71	189.36
2-7-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
2-7-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19	116.19
2-7-dAP 600 D Cat Asphalt Paver	56.54	55.67	54.77	53.57	53.54	53.57	53.56	53.56	53.54	53.54	53.54	53.54	53.54	64.39
2-7-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
2-7-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
2-7-eLink Belt Conventional Lattice Crawler Crane	63.48	62.52	61.53	60.19	60.17	60.14	60.15	60.12	60.11	60.11	60.11	60.11	60.11	72.38
2-7-eLink Belt Conventional Lattice Crawler Crane	63.48	62.52	61.53	60.19	60.17	60.14	60.15	60.12	60.11	60.11	60.11	60.11	60.11	72.38
2-8-aScrapers Cat 657	339.41	333.89	328.46	321.09	321.10	320.75	320.77	320.86	321.32	321.32	321.32	321.32	321.32	386.79
2-8-aDozer D9T	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
2-8-aCat 140M3 Grader	32.28	31.74	31.16	30.45	30.40	30.38	30.36	30.35	30.33	30.33	30.33	30.33	30.33	36.41
2-8-aCat 374 F L	17.55	17.28	17.00	16.61	16.59	16.59	16.60	16.59	16.61	16.61	16.61	16.61	16.61	20.07
2-8-a825 Compactors	179.33	176.15	173.42	169.63	169.36	169.34	169.41	169.20	169.19	169.19	169.19	169.19	169.19	202.85
2-8-aOff Highway Dump Truck Cat 770	142.90	140.64	138.32	135.24	135.23	135.28	135.38	135.42	135.35	135.35	135.35	135.35	135.35	161.95
2-8-aWheel Loader 986 H	114.19	112.41	110.66	108.28	108.55	108.59	108.67	108.68	108.83	108.83	108.83	108.83	108.83	131.83
2-8-cJohn Deere 410K TC Backhoe Loader	46.18	45.39	44.63	43.64	43.66	43.71	43.76	43.79	43.83	43.83	43.83	43.83	43.83	52.20
2-8-cPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	154.92	154.92	154.93	154.93	154.92	154.93	154.93	154.92	154.93	154.93	154.93	154.93	154.93	154.92
2-8-cAuger Cast Caissons Drill Rig	54.36	53.95	52.99	51.85	52.18	51.89	51.54	51.59	51.90	51.90	51.90	51.90	51.90	63.12
2-8-dPutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85
2-8-dIngersoll Rand P185WJD 185 CFM Towable Air Compressor	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19	26.19
2-8-dAP 600 D Cat Asphalt Paver	70.67	69.59	68.47	66.96	66.93	66.96	66.95	66.95	66.92	66.92	66.92	66.92	66.92	80.49
2-8-ePutzmeister 47Z – Meter Truck Mounted Concrete Boom Pump	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85	309.85
2-8-eLink Belt Conventional Lattice Crawler Crane	31.74	31.26	30.77	30.09	30.09	30.07	30.08	30.06	30.06	30.06	30.06	30.06	30.06	36.19

Construction - Mitigated Tier 4

EMFAC Rates

Location-Type-Year	ROG	NOx	CO	PM10	PM2.5	SOx	CO2	CH4	Fuel (gal/mi)	Speed
Santa Clara (SF)LDA/LDT/MDV2017	0.19	0.16	1.57	0.05	0.02	0.00	360.05	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2018	0.17	0.14	1.40	0.05	0.02	0.00	349.39	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2019	0.15	0.12	1.25	0.05	0.02	0.00	338.24	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2020	0.14	0.11	1.13	0.05	0.02	0.00	326.99	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2021	0.13	0.10	1.03	0.05	0.02	0.00	315.10	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2022	0.12	0.09	0.95	0.05	0.02	0.00	303.24	0.01	0.04	Aggregated
Santa Clara (SF)LDA/LDT/MDV2023	0.12	0.08	0.88	0.05	0.02	0.00	290.91	0.01	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2024	0.11	0.07	0.81	0.05	0.02	0.00	278.49	0.01	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2025	0.10	0.06	0.76	0.05	0.02	0.00	265.17	0.00	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2026	0.10	0.06	0.71	0.05	0.02	0.00	253.45	0.00	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2027	0.10	0.05	0.67	0.05	0.02	0.00	243.05	0.00	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2028	0.09	0.05	0.63	0.05	0.02	0.00	233.87	0.00	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2029	0.09	0.05	0.60	0.05	0.02	0.00	225.76	0.00	0.03	Aggregated
Santa Clara (SF)LDA/LDT/MDV2030	0.08	0.04	0.57	0.05	0.02	0.00	218.62	0.00	0.03	Aggregated
Santa Clara (SF)T7Single2017	0.07	1.56	0.37	0.005	0.004	0.02	1646.92	0.003		Aggregated
Santa Clara (SF)T7Single2018	0.07	1.58	0.38	0.005	0.004	0.02	1636.64	0.003		Aggregated
Santa Clara (SF)T7Single2019	0.07	1.58	0.38	0.005	0.004	0.02	1625.14	0.003		Aggregated
Santa Clara (SF)T7Single2020	0.07	1.60	0.39	0.005	0.005	0.02	1621.25	0.003		Aggregated
Santa Clara (SF)T7Single2021	0.07	1.58	0.40	0.005	0.005	0.02	1607.42	0.003		Aggregated
Santa Clara (SF)T7Single2022	0.07	1.55	0.40	0.005	0.005	0.02	1593.72	0.003		Aggregated
Santa Clara (SF)T7Single2023	0.07	1.42	0.40	0.004	0.004	0.02	1581.48	0.003		Aggregated
Santa Clara (SF)T7Single2024	0.07	1.43	0.40	0.004	0.004	0.02	1575.50	0.003		Aggregated
Santa Clara (SF)T7Single2025	0.07	1.44	0.41	0.005	0.004	0.01	1570.29	0.003		Aggregated
Santa Clara (SF)T7Single2026	0.07	1.44	0.41	0.005	0.004	0.01	1564.79	0.003		Aggregated
Santa Clara (SF)T7Single2027	0.07	1.44	0.41	0.005	0.004	0.01	1558.92	0.003		Aggregated
Santa Clara (SF)T7Single2028	0.07	1.44	0.42	0.005	0.004	0.01	1553.98	0.003		Aggregated
Santa Clara (SF)T7Single2029	0.07	1.44	0.42	0.005	0.004	0.01	1548.75	0.003		Aggregated
Santa Clara (SF)T7Single2030	0.07	1.42	0.42	0.005	0.005	0.01	1541.76	0.003		Aggregated
Santa Clara (SF)T6Heavy2017	0.05	1.46	0.23	0.00	0.00	0.01	1218.33	0.002		Aggregated
Santa Clara (SF)T6Heavy2018	0.05	1.53	0.24	0.00	0.00	0.01	1215.74	0.002		Aggregated
Santa Clara (SF)T6Heavy2019	0.05	1.58	0.25	0.00	0.00	0.01	1212.23	0.002		Aggregated
Santa Clara (SF)T6Heavy2020	0.05	1.62	0.26	0.00	0.00	0.01	1208.60	0.002		Aggregated
Santa Clara (SF)T6Heavy2021	0.05	1.63	0.26	0.00	0.00	0.01	1203.44	0.002		Aggregated
Santa Clara (SF)T6Heavy2022	0.05	1.62	0.26	0.00	0.00	0.01	1196.39	0.002		Aggregated
Santa Clara (SF)T6Heavy2023	0.05	1.41	0.25	0.00	0.00	0.01	1176.39	0.002		Aggregated
Santa Clara (SF)T6Heavy2024	0.05	1.42	0.25	0.00	0.00	0.01	1171.97	0.002		Aggregated
Santa Clara (SF)T6Heavy2025	0.05	1.42	0.25	0.00	0.00	0.01	1167.13	0.002		Aggregated
Santa Clara (SF)T6Heavy2026	0.05	1.40	0.26	0.00	0.00	0.01	1162.13	0.002		Aggregated
Santa Clara (SF)T6Heavy2027	0.05	1.37	0.25	0.00	0.00	0.01	1156.13	0.002		Aggregated
Santa Clara (SF)T6Heavy2028	0.05	1.37	0.25	0.00	0.00	0.01	1152.87	0.002		Aggregated
Santa Clara (SF)T6Heavy2029	0.05	1.36	0.25	0.00	0.00	0.01	1149.63	0.002		Aggregated
Santa Clara (SF)T6Heavy2030	0.05	1.35	0.25	0.00	0.00	0.01	1146.56	0.002		Aggregated

Construction - Mitigated Tier 4

Fugitive Dust Emissions from Earthwork Activities

Methods taken driectly from Caleemod, within defaults and variables based on Caleemod and AP-42

Defaults for all variables use Caleemod defaults

Grading

Section 11.9, Western Surface Coal Mining

http://www.epa.gov/ttn/chief/ap42/ch11/final/c11s09.pdf

Method

E = EF x VMT, and

VMT = As / Wb x 43560 / 5280

Variables

EF PM15	2.57091	lbs/VMT
EF PM10	1.542546	lbs/VMT
EF tsp	5.372864191	lbs/VMT
EF pm2.5	0.16655879	lbs/VMT
multiplier	0.051	-
multiplier	0.04	-
S, mean speed	7.1	Caleemod default
Fpm2.5, scaling factor	0.031	-
Fpm10 scaling	0.6	-
EF (lbs/VMT from above)	1.542546	
W blade width (ft), use default	12	Caleemod default
conversion	43560	
conversion	5280	
acres (for lbs/acre emission rate)	1	
PM10 Emision Factor	1.060500375	lbs/acre uncontrolled
PM2.5 Emision Factor	0.114509168	lbs/acre uncontrolled

Truck Loading

Section 13.2.4, Aggregate Handling and Storage Piles

http://www.epa.gov/ttn/chief/ap42/ch13/final/c13s0204.pdf

Method

$$EF_{TSP} = \frac{C_{TSP} \times s^{1.2}}{M^{1.3}}, \text{ and } EF_{PM2.5} = EF_{TSP} \times F_{PM2.5}$$

5)^1.3

$$EF_{PM15} = \frac{C_{PM15} \times s^{1.5}}{M^{1.4}}, \text{ and } EF_{PM10} = EF_{PM15} \times F_{PM10}$$

2)^1.4

		42 default
kpm2.5	0.053	AP-42 default
U	3.14	(m/s for San Jose), based on 2009-2014 met data (u
M	12	Caleemod default for truck loading
	0.0032	
typical ton per cy of dirt	1.2641662	caleemod default
EF PM10	0.000050	lbs/ton of material
EF PM2.5	0.000008	lbs/ton of material
EF PM10	0.000039	lbs/CY
EF PM2.5	0.000006	lbs/CY

lbs/CY = lbs/ton / 1.2641662 tons per cy

	10000
	0.393867036

Summary (all uncontrolled)	PM10	PM2.5	
Grading	0.276	0.030	lbs/acre
Bulldozing	0.753	0.079	lbs/hour of construction
Truck Loading/Piles	0.0000394	0.0000060	lbs/cy

Mitigated = assumed watering

Landfill Methane Gas from Soil Disturbance

	Parcel 1	Parcel 1	Parcel 2	Parcel 2	Parcel 3	Parcel 3	Parcel 4	Parcel 4			
Construction Year	Landfill acreage exposed	Avg. days of exposure	Landfill acreage exposed	Avg. days of exposure	Landfill acreage exposed	Avg. days of exposure	Landfill acreage exposed	Avg. days of exposure	Acre-days	Worst-case GHG emissions (MTCO2e)	Worst-case GHG emissions (MT CH4)
2017							1.72	90	155	199	8
2018									0	0	0
2019							0.2	60	12	15	1
2020									0	0	0
2021							0.07	60	4	5	0
2022									0	0	0
2023									0	0	0
2024									0	0	0
2025	3.6	60							216	278	11
2026									0	0	0
2027			1.65	60					99	127	5
2028									0	0	0
2029			1.73	30					52	67	3
2030									0	0	0
2031									0	0	0
									TOTAL	**693**	**28**

	MTCO2e	
Uncontrolled emissions/year	86,005	Used modelled CH4 generation 2013; does not unclude soil oxidations
Days/year	365	
Uncontrolled emissions/day	236	
Landfill Acres	183	Area of landfill from below (Note: landfill waste footprint described as 183 acres, but landfill overall acreage used instead.)
Uncontrolled emissions/acre-day	**1.29**	

	Total Acres	Acres on Landfill	
Parcel 1	36.8	31.7	Assumes 100% on landfill [per EIR Figure 3.11-1)
Parcel 2	60.9	54.8	Assumes 100% on landfill [per EIR Figure 3.11-1)
Parcel 3	34.9	33.1	Assumes 100% on landfill [per EIR Figure 3.11-1)
Parcel 4	86.6	63.4	13.3 acres assumed not on landfill per PD.
Parcel 5	8	0	Assumed none on landfill (per EIR Figure 3.11-1)
Eastside Retention Basin	12.8	0	Assumed none on landfill (per EIR Figure 3.11-1)
TOTAL	240	183	Note: PD describes landfill overall as 210 acre site with waste footprint of 183 acres

Santa Clara Landfill GHG emissions (2013)

EPA Equation	Methane (MT)	GHG (MTCO2e)	Notes
HH1	3,440.20	**86,005**	Modeled CH4 generated
HH4	781.65	19,541	CH4 recovered
HH5	3,096.18	77,405	Modeled CH4 generate adjusted for oxidation.
HH6	2,400.51	60,013	Modeled CH4 generated minus recovered, adjusted for oxidation and destruction efficiency. Reported Value (1 of 2)
HH7	2,278.42	56,961	Modeled CH4 generated minus recovered, adjusted for oxidation, destruction efficiency, and gas collection efficiency, single gas measurement locations
HH8	1,582.75	39,569	Modeled CH4 generated minus recovered, adjusted for oxidation, destruction efficiency, and gas collection efficiency, multiple gas measurement locations. Reported Value (2 of 2)

Source: USEPA Facility -Level GHG data: Available: http://ghgdata.epa.gov/ghgp/service/html/2013?id=1004335&et=undefined

GWP (AR4)	25

Operation Mass Emission Sheets

City Place Operations (Existing Conditions)

Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	134.36	1000sqft	3.08	134,364.00	0
Unrefrigerated Warehouse-No Rail	6.25	1000sqft	0.14	6,253.00	0
Golf Course	155.00	Acre	155.00	6,751,800.00	0
Quality Restaurant	10.50	1000sqft	0.24	10,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	658.68	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Silicon Valley Power is utility (not an option in CalEEMod drop down). EF from 2014-2015 rebate application.
Land Use - Square footages from project description
Construction Phase - No construction, operations only
Energy Use - Using historical data to account for pre-2000 building construction
Water And Wastewater - Golf course/clubhouse water consumption provided by Integral. All other uses assume defaults.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblLandUse	LandUseSquareFeet	134,360.00	134,364.00
tblLandUse	LandUseSquareFeet	6,250.00	6,253.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	658.68
tblProjectCharacteristics	OperationalYear	2014	2015
tblWater	IndoorWaterUseRate	0.00	13,870,000.00
tblWater	OutdoorWaterUseRate	184,679,609.20	86,870,000.00

2.0 Emissions Summary

2.2 Overall Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	167.4486	3.1000e-	0.0323	0.0000		1.2000e-	1.2000e-		1.2000e-	1.2000e-		0.0670	0.0670	1.9000e-		0.0711
Energy	0.1459	1.3263	1.1141	7.9600e-		0.1008	0.1008		0.1008	0.1008		1,591.507	1,591.5071	0.0305	0.0292	1,601.1927
Mobile	12.3392	22.0441	106.9872	0.1928	13.5197	0.3025	13.8222	3.6042	0.2777	3.8819		17,264.77	17,264.771	0.7720		17,280.984
Total	**179.9337**	**23.3707**	**108.1336**	**0.2008**	**13.5197**	**0.4034**	**13.9231**	**3.6042**	**0.3787**	**3.9828**		**18,856.34**	**18,856.345**	**0.8027**	**0.0292**	**18,882.248**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.3392	22.0441	106.9872	0.1928	13.5197	0.3025	13.8222	3.6042	0.2777	3.8819		17,264.77	17,264.771	0.7720		17,280.984
Unmitigated	12.3392	22.0441	106.9872	0.1928	13.5197	0.3025	13.8222	3.6042	0.2777	3.8819		17,264.77	17,264.771	0.7720		17,280.984

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,479.30	318.43	131.67	2,678,785	2,678,785
Golf Course	781.20	902.10	911.40	1,476,677	1,476,677
Quality Restaurant	944.48	990.78	757.68	1,096,499	1,096,499
Unrefrigerated Warehouse-No Rail	16.19	16.19	16.19	47,260	47,260
Total	3,221.17	2,227.50	1,816.94	5,299,220	5,299,220

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Golf Course	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552608	0.057937	0.185322	0.124470	0.029726	0.004465	0.012479	0.021685	0.001768	0.001276	0.005971	0.000530	0.001762

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

5.2 Energy by Land Use - NaturalGas

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Quality Restaurant	6106.97	0.0659	0.5987	0.5029	3.5900e-		0.0455	0.0455		0.0455	0.0455		718.4674	718.4674	0.0138	0.0132	722.8398
Unrefrigerated	73.1515	7.9000e-	7.1700e-	6.0200e-	4.0000e-		5.5000e-	5.5000e-		5.5000e-	5.5000e-		8.6061	8.6061	1.6000e-	1.6000e-	8.6584
General Office	7347.69	0.0792	0.7204	0.6051	4.3200e-		0.0548	0.0548		0.0548	0.0548		864.4337	864.4337	0.0166	0.0159	869.6945
Golf Course	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1459**	**1.3263**	**1.1141**	**7.9500e-**		**0.1008**	**0.1008**		**0.1008**	**0.1008**		**1,591.5071**	**1,591.507**	**0.0305**	**0.0292**	**1,601.1927**

6.0 Area Detail

6.2 Area by SubCategory

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	19.7230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	147.7224					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2000e-	3.1000e-	0.0323	0.0000		1.2000e-	1.2000e-		1.2000e-	1.2000e-		0.0670	0.0670	1.9000e-		0.0711
Total	**167.4486**	**3.1000e-**	**0.0323**	**0.0000**		**1.2000e-**	**1.2000e-**		**1.2000e-**	**1.2000e-**		**0.0670**	**0.0670**	**1.9000e-**		**0.0711**

City Place Operations (Existing Conditions)

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	134.36	1000sqft	3.08	134,364.00	0
Unrefrigerated Warehouse-No Rail	6.25	1000sqft	0.14	6,253.00	0
Golf Course	155.00	Acre	155.00	6,751,800.00	0
Quality Restaurant	10.50	1000sqft	0.24	10,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	658.68	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Silicon Valley Power is utility (not an option in CalEEMod drop down). EF from 2014-2015 rebate application.
Land Use - Square footages from project description
Construction Phase - No construction, operations only
Energy Use - Using historical data to account for pre-2000 building construction
Water And Wastewater - Golf course/clubhouse water consumption provided by Integral. All other uses assume defaults.

Table Name	Column Name	Default Value	New Value
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tblLandUse	LandUseSquareFeet	134,360.00	134,364.00
tblLandUse	LandUseSquareFeet	6,250.00	6,253.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	658.68
tblProjectCharacteristics	OperationalYear	2014	2015
tblWater	IndoorWaterUseRate	0.00	13,870,000.00
tblWater	OutdoorWaterUseRate	184,679,609.20	86,870,000.00

2.0 Emissions Summary

2.2 Overall Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	30.5591	3.0000e-	2.9100e-	0.0000		1.0000e-	1.0000e-		1.0000e-	1.0000e-	0.0000	5.4700e-	5.47E-03	2.0000e-	0.0000	5.8000e-
Energy	0.0266	0.2420	0.2033	1.4500e-		0.0184	0.0184		0.0184	0.0184	0.0000	1,207.050	1,207.05	0.0466	0.0134	1,212.1907
Mobile	1.8304	3.5510	16.7875	0.0274	1.9663	0.0458	2.0120	0.5257	0.0420	0.5677	0.0000	2,229.205	2,229.21	0.1058	0.0000	2,231.4267
Waste						0.0000	0.0000		0.0000	0.0000	57.7631	0.0000	57.7631	3.4137	0.0000	129.4509
Water						0.0000	0.0000		0.0000	0.0000	13.4461	174.8765	188.3226	1.3887	0.0342	228.0889
Total	**32.4161**	**3.7931**	**16.9937**	**0.0289**	**1.9663**	**0.0642**	**2.0305**	**0.5257**	**0.0604**	**0.5861**	**71.2092**	**3,611.137**	**3,682.3464**	**4.9548**	**0.0476**	**3,801.1628**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.8304	3.5510	16.7875	0.0274	1.9663	0.0458	2.0120	0.5257	0.0420	0.5677	0.0000	2,229.205	2,229.2050	0.1058	0.0000	2,231.4267
Unmitigated	1.8304	3.5510	16.7875	0.0274	1.9663	0.0458	2.0120	0.5257	0.0420	0.5677	0.0000	2,229.205	2,229.2050	0.1058	0.0000	2,231.4267

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,479.30	318.43	131.67	2,678,785	2,678,785
Golf Course	781.20	902.10	911.40	1,476,677	1,476,677
Quality Restaurant	944.48	990.78	757.68	1,096,499	1,096,499
Unrefrigerated Warehouse-No Rail	16.19	16.19	16.19	47,260	47,260
Total	3,221.17	2,227.50	1,816.94	5,299,220	5,299,220

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Golf Course	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

0.552608	0.057937	0.185322	0.124470	0.029726	0.004465	0.012479	0.021685	0.001768	0.001276	0.005971	0.000530	0.001762

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

5.2 Energy by Land Use - NaturalGas

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Quality Restaurant	2.22905e+	0.0120	0.1093	0.0918	6.6000e-		8.3000e-	8.3000e-		8.3000e-	8.3000e-	0.0000	118.9503	118.9503	2.2800e-	2.1800e-	119.6742
Unrefrigerated	26700.3	1.4000e-	1.3100e-	1.1000e-	1.0000e-		1.0000e-	1.0000e-		1.0000e-	1.0000e-	0.0000	1.4248	1.4248	3.0000e-	3.0000e-	1.4335
General Office	2.68191e+	0.0145	0.1315	0.1104	7.9000e-		9.9900e-	9.9900e-		9.9900e-	9.9900e-	0.0000	143.1167	143.1167	2.7400e-	2.6200e-	143.9877
Golf Course	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0266**	**0.2421**	**0.2033**	**1.4600e-**		**0.0184**	**0.0184**		**0.0184**	**0.0184**	**0.0000**	**263.4919**	**263.4919**	**5.0500e-**	**4.8300e-**	**265.0954**

5.3 Energy by Land Use - Electricity

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office	2.76387e+	825.7668	0.0364	7.5200e-	828.8621
Golf Course	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	368865	110.2066	4.8500e-	1.0000e-	110.6197
Unrefrigerated	25387.2	7.5850	3.3000e-	7.0000e-	7.6134
Total		**943.5584**	**0.0415**	**8.5900e-**	**947.0953**

6.0 Area Detail

6.2 Area by SubCategory

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	3.5994					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	26.9593					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.9000e-	3.0000e-	2.9100e-	0.0000		1.0000e-	1.0000e-		1.0000e-	1.0000e-	0.0000	5.4700e-	5.4700e-	2.0000e-	0.0000	5.8000e-
Total	**30.5591**	**3.0000e-**	**2.9100e-**	**0.0000**		**1.0000e-**	**1.0000e-**		**1.0000e-**	**1.0000e-**	**0.0000**	**5.4700e-**	**5.4700e-**	**2.0000e-**	**0.0000**	**5.8000e-**

7.0 Water Detail

7.2 Water by Land Use

	Indoor/Out	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
General Office	23.8803 /	61.4876	0.7805	0.0189	83.7264
Golf Course	13.87 /	117.6635	0.4569	0.0117	130.8873
Quality Restaurant	3.1871 /	6.3763	0.1041	2.5000e-	9.3375
Unrefrigerated	1.44531 / 0	2.7951	0.0472	1.1300e-	4.1376
Total		**188.3226**	**1.3887**	**0.0342**	**228.0888**

8.0 Waste Detail

8.2 Waste by Land Use

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office	124.95	25.3637	1.4990	0.0000	56.8417
Golf Course	144.15	29.2612	1.7293	0.0000	65.5761
Quality Restaurant	9.58	1.9447	0.1149	0.0000	4.3581
Unrefrigerated	5.88	1.1936	0.0705	0.0000	2.6749
Total		**57.7631**	**3.4137**	**0.0000**	**129.4509**

City Place Operations Scheme A EIR baseline

Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5,724.40	1000sqft	131.41	5,724,400.00	0
Arena	60.00	1000sqft	19.29	60,000.00	0
High Turnover (Sit Down Restaurant)	115.00	1000sqft	2.41	105,000.00	0
Hotel	350.00	Room	11.67	508,200.00	0
Movie Theater (No Matinee)	80.00	1000sqft	1.84	80,000.00	0
Quality Restaurant	130.00	1000sqft	2.98	130,000.00	0
Condo/Townhouse	200.00	Dwelling Unit	12.50	200,000.00	572
Convenience Market (24 Hour)	20.00	1000sqft	0.69	30,000.00	0
Free-Standing Discount Store	1,062.00	1000sqft	24.38	1,062,000.00	0
Supermarket	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	242	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Silicon Valley Power is utility (not in CalEEMod drop down). EF based on 2035 CAP reach goal.
Land Use - All onsite uses
Construction Phase - No construction, operations only
Vehicle Trips - Trip generation rates are from Fehr & Peers. Trip distance default Caleemod.
Vechicle Emission Factors -
Vechicle Emission Factors -
Vechicle Emission Factors -
Energy Use - Electricity not provided by land use type. Accordingly, all electricity modeled in the Arena category. Used average of all land uses to
Water And Wastewater - Total water consumption provided by Integral; indoor/outdoor calculated based on CalEEMod default %s

Solid Waste - Total water consumption provided by Integral
Area Mitigation - All NG hearth
Energy Mitigation - Solar PV; assumed to supply 10% of electricity consumption, per client
Water Mitigation - Water reduction strategy per LEED certification; precent reduction from client based on anticipated onsite improvements
Waste Mitigation - Waste diversion program; percent reduction from client based on anticipated recycling/composting program

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	11601900	11706600
tblAreaCoating	Area_Residential_Exterior	135000	918000
tblAreaCoating	Area_Residential_Interior	405000	2754000
tblConstructionPhase	NumDays	300.00	1.00
tblConstructionPhase	PhaseEndDate	1/1/2016	2/23/2017
tblEnergyUse	LightingElect	3.52	517.44
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	4.41	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	2.72	0.00
tblEnergyUse	LightingElect	3.52	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	7.65	0.00
tblEnergyUse	NT24E	3.70	1,595.35
tblEnergyUse	NT24E	3,125.85	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	3.22	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	30.13	0.00
tblEnergyUse	T24E	1.81	109.81
tblEnergyUse	T24E	184.25	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	7.46	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	2.50	0.00
tblEnergyUse	T24E	1.81	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	4.99	0.00
tblFireplaces	NumberGas	110.00	407.00

tblFireplaces	NumberNoFireplace	62.00	229.40
tblFireplaces	NumberWood	28.00	103.60
tblLandUse	LandUseSquareFeet	115,000.00	105,000.00
tblLandUse	LandUseSquareFeet	20,000.00	30,000.00
tblLandUse	LotAcreage	2.64	2.41
tblLandUse	LotAcreage	0.46	0.69
tblProjectCharacteristics	CO2IntensityFactor	641.35	242
tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	1.65	98.03
tblSolidWaste	SolidWasteGenerationRate	92.00	1,080.40
tblSolidWaste	SolidWasteGenerationRate	60.10	189.48
tblSolidWaste	SolidWasteGenerationRate	4,567.34	397.30
tblSolidWaste	SolidWasteGenerationRate	5,323.69	11,538.38
tblSolidWaste	SolidWasteGenerationRate	1,368.50	548.36
tblSolidWaste	SolidWasteGenerationRate	191.63	1,705.28
tblSolidWaste	SolidWasteGenerationRate	456.00	130.71
tblSolidWaste	SolidWasteGenerationRate	118.63	586.98
tblSolidWaste	SolidWasteGenerationRate	197.40	221.06
tblVehicleTrips	DV_TP	0.28	28.00
tblVehicleTrips	PB_TP	0.60	6.00
tblVehicleTrips	PR_TP	0.66	66.00
tblVehicleTrips	ST_TR	10.71	82.00
tblVehicleTrips	ST_TR	7.16	34.40
tblVehicleTrips	ST_TR	863.10	10.50
tblVehicleTrips	ST_TR	71.07	16.68
tblVehicleTrips	ST_TR	2.37	0.76
tblVehicleTrips	ST_TR	158.37	167.57
tblVehicleTrips	ST_TR	8.19	10.71
tblVehicleTrips	ST_TR	80.00	81.88
tblVehicleTrips	ST_TR	94.36	75.92
tblVehicleTrips	ST_TR	177.59	124.86
tblVehicleTrips	SU_TR	10.71	28.67
tblVehicleTrips	SU_TR	6.07	17.20
tblVehicleTrips	SU_TR	758.45	6.50
tblVehicleTrips	SU_TR	56.36	9.06
tblVehicleTrips	SU_TR	0.98	0.38
tblVehicleTrips	SU_TR	131.84	58.70
tblVehicleTrips	SU_TR	5.95	3.74
tblVehicleTrips	SU_TR	80.00	28.63
tblVehicleTrips	SU_TR	72.16	26.54
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	WD_TR	10.71	15.67
tblVehicleTrips	WD_TR	6.59	31.55

tblVehicleTrips	WD_TR	737.99	84.50
tblVehicleTrips	WD_TR	57.24	26.99
tblVehicleTrips	WD_TR	11.01	10.48
tblVehicleTrips	WD_TR	127.15	119.04
tblVehicleTrips	WD_TR	8.17	13.29
tblVehicleTrips	WD_TR	80.00	15.63
tblVehicleTrips	WD_TR	89.95	45.15
tblVehicleTrips	WD_TR	102.24	0.00
tblWater	IndoorWaterUseRate	25,846,207.06	10,375,344.00
tblWater	IndoorWaterUseRate	13,030,805.12	56,263,961.60
tblWater	IndoorWaterUseRate	1,481,450.43	7,413,527.65
tblWater	IndoorWaterUseRate	78,665,017.82	18,942,667.80
tblWater	IndoorWaterUseRate	1,017,419,067.01	190,428,508.10
tblWater	IndoorWaterUseRate	34,906,376.93	39,339,602.02
tblWater	IndoorWaterUseRate	8,878,369.50	95,695,992.00
tblWater	IndoorWaterUseRate	32,128,116.94	13,833,792.00
tblWater	IndoorWaterUseRate	39,459,382.62	38,619,092.02
tblWater	IndoorWaterUseRate	4,314,387.52	13,531,680.84
tblWater	OutdoorWaterUseRate	1,649,757.90	662,256.00
tblWater	OutdoorWaterUseRate	8,215,072.80	35,470,758.40
tblWater	OutdoorWaterUseRate	907,985.75	4,543,775.02
tblWater	OutdoorWaterUseRate	48,214,043.18	11,610,022.20
tblWater	OutdoorWaterUseRate	623,579,428.17	116,714,246.90
tblWater	OutdoorWaterUseRate	2,228,066.61	2,511,038.43
tblWater	OutdoorWaterUseRate	986,485.50	10,632,888.00
tblWater	OutdoorWaterUseRate	2,050,730.87	883,008.00
tblWater	OutdoorWaterUseRate	2,518,684.00	2,465,048.43
tblWater	OutdoorWaterUseRate	133,434.67	418,505.61
tblWoodstoves	NumberCatalytic	1.00	3.70
tblWoodstoves	NumberNoncatalytic	1.00	3.70

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	4.3477	45.7415	35.8178	0.0415	0.1415	2.2932	2.4347	0.0375	2.1376	2.1751	0.0000	4,220.306	4,220.3065	1.1192	0.0000	4,243.8087
2017	4.1019	42.7738	34.5949	0.0415	0.1415	2.1263	2.2677	0.0375	1.9807	2.0182	0.0000	4,162.478	4,162.4787	1.1138	0.0000	4,185.8684
Total	**8.4496**	**88.5153**	**70.4127**	**0.0829**	**0.2829**	**4.4195**	**4.7024**	**0.0750**	**4.1182**	**4.1933**	**0.0000**	**8,382.785**	**8,382.7853**	**2.2330**	**0.0000**	**8,429.6771**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	4.3477	45.7415	35.8178	0.0415	0.1415	2.2932	2.4347	0.0375	2.1376	2.1751	0.0000	4,220.306	4,220.3065	1.1192	0.0000	4,243.8087
2017	4.1019	42.7738	34.5949	0.0415	0.1415	2.1263	2.2677	0.0375	1.9807	2.0182	0.0000	4,162.478	4,162.4787	1.1138	0.0000	4,185.8684
Total	**8.4496**	**88.5153**	**70.4127**	**0.0829**	**0.2829**	**4.4195**	**4.7024**	**0.0750**	**4.1182**	**4.1933**	**0.0000**	**8,382.785**	**8,382.7853**	**2.2330**	**0.0000**	**8,429.6771**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	458.6642	3.7505	339.1297	0.1315		45.8641	45.8641		45.8574	45.8574	4,757.190	10,086.66	14,843.852	4.7311	0.5191	15,104.111
Energy	5.4072	49.0932	40.8307	0.2949		3.7359	3.7359		3.7359	3.7359		58,987.11	58,987.118	1.1306	1.0814	59,346.104
Mobile	280.0031	434.5722	2,575.845	7.8014	579.8149	9.6456	589.4604	154.5990	8.9088	163.5078		551,488.3	551,488.38	15.9673		551,823.69
Total	**744.0744**	**487.4159**	**2,955.805**	**8.2279**	**579.8149**	**59.2455**	**639.0604**	**154.5990**	**58.5020**	**213.1010**	**4,757.190**	**620,562.1**	**625,319.35**	**21.8289**	**1.6005**	**626,273.91**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	198.9974	0.1967	17.2894	9.3000e-		0.8932	0.8932		0.8848	0.8848	0.0000	12,646.19	12,646.192	0.2744	0.2313	12,723.648
Energy	5.4072	49.0932	40.8307	0.2949		3.7359	3.7359		3.7359	3.7359		58,987.11	58,987.118	1.1306	1.0814	59,346.104
Mobile	280.0031	434.5722	2,575.845	7.8014	579.8149	9.6456	589.4604	154.5990	8.9088	163.5078		551,488.3	551,488.38	15.9673		551,823.69
Total	**484.4077**	**483.8621**	**2,633.965**	**8.0973**	**579.8149**	**14.2746**	**594.0894**	**154.5990**	**13.5294**	**168.1284**	**0.0000**	**623,121.6**	**623,121.69**	**17.3722**	**1.3127**	**623,893.45**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	34.90	0.73	10.89	1.59	0.00	75.91	7.04	0.00	76.87	21.10	100.00	-0.41	0.35	20.42	17.98	0.38

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	280.0031	434.5722	2,575.845	7.8014	579.8149	9.6456	589.4604	154.5990	8.9088	163.5078		551,488.3	551,488.38	15.9673		551,823.69
Mitigated	280.0031	434.5722	2,575.845	7.8014	579.8149	9.6456	589.4604	154.5990	8.9088	163.5078		551,488.3	551,488.38	15.9673		551,823.69

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	940.20	4,920.00	1720.20	3,146,276	3,146,276
Condo/Townhouse	6,310.00	6,880.00	3440.00	13,352,738	13,352,738
Convenience Market (24 Hour)	1,690.00	210.00	130.00	956,323	956,323
Free-Standing Discount Store	28,663.38	17,714.16	9621.72	38,013,188	38,013,188
General Office Building	59,991.71	4,350.54	2175.27	104,631,700	104,631,700
High Turnover (Sit Down Restaurant)	13,689.60	19,270.55	6750.50	15,658,442	15,658,442
Hotel	4,651.50	3,748.50	1309.00	7,685,220	7,685,220
Movie Theater (No Matinee)	1,250.40	6,550.40	2290.40	4,059,957	4,059,957
Quality Restaurant	5,869.50	9,869.60	3450.20	7,230,076	7,230,076
Supermarket	0.00	4,370.10	0.00	710,106	710,106
Total	123,056.29	77,883.85	30,887.29	195,444,026	195,444,026

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Convenience Market (24 Hour)	9.50	7.30	7.30	0.90	80.10	19.00	24	15	61
Free-Standing Discount Store	9.50	7.30	7.30	12.20	68.80	19.00	47.5	35.5	17
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43

Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Movie Theater (No Matinee)	9.50	7.30	7.30	1.80	79.20	19.00	66	17	17
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552333	0.058808	0.184358	0.118913	0.029447	0.004459	0.013404	0.026791	0.001843	0.001224	0.006259	0.000436	0.001725

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas	5.4072	49.0932	40.8307	0.2949		3.7359	3.7359		3.7359	3.7359		58,987.11	58,987.118	1.1306	1.0814	59,346.104
NaturalGas	5.4072	49.0932	40.8307	0.2949		3.7359	3.7359		3.7359	3.7359		58,987.11	58,987.118	1.1306	1.0814	59,346.104

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	10671	0.1151	0.9834	0.4185	6.2800e-		0.0795	0.0795		0.0795	0.0795		1,255.4140	1,255.414	0.0241	0.0230	1,263.0543
Convenience	204.658	2.2100e-	0.0201	0.0169	1.2000e-		1.5200e-	1.5200e-		1.5200e-	1.5200e-		24.0774	24.0774	4.6000e-	4.4000e-	24.2239
Free-Standing	7244.88	0.0781	0.7103	0.5966	4.2600e-		0.0540	0.0540		0.0540	0.0540		852.3384	852.3384	0.0163	0.0156	857.5256
General Office	270066	2.9125	26.4771	22.2408	0.1589		2.0123	2.0123		2.0123	2.0123		31,772.495	31,772.49	0.6090	0.5825	31,965.857
High Turnover (Sit	60710.1	0.6547	5.9520	4.9997	0.0357		0.4524	0.4524		0.4524	0.4524		7,142.3691	7,142.369	0.1369	0.1309	7,185.8363
Hotel	64576.2	0.6964	6.3310	5.3180	0.0380		0.4812	0.4812		0.4812	0.4812		7,597.2010	7,597.201	0.1456	0.1393	7,643.4363
Movie Theater (No	6007.67	0.0648	0.5890	0.4948	3.5300e-		0.0448	0.0448		0.0448	0.0448		706.7849	706.7849	0.0136	0.0130	711.0862

Quality Restaurant	75164.9	0.8106	7.3691	6.1901	0.0442		0.5601	0.5601		0.5601	0.5601		8,842.9331	8,842.933	0.1695	0.1621	8,896.7497
Supermarket	2239.04	0.0242	0.2195	0.1844	1.3200e-		0.0167	0.0167		0.0167	0.0167		263.4166	263.4166	5.0500e-	4.8300e-	265.0197
Arena	4505.75	0.0486	0.4417	0.3711	2.6500e-		0.0336	0.0336		0.0336	0.0336		530.0886	530.0886	0.0102	9.7200e-	533.3147
Total		**5.4072**	**49.0932**	**40.8307**	**0.2949**		**3.7358**	**3.7358**		**3.7358**	**3.7358**		**58,987.118**	**58,987.11**	**1.1306**	**1.0814**	**59,346.104**

Mitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience	0.204658	2.2100e-	0.0201	0.0169	1.2000e-		1.5200e-	1.5200e-		1.5200e-	1.5200e-		24.0774	24.0774	4.6000e-	4.4000e-	24.2239
Free-Standing	7.24488	0.0781	0.7103	0.5966	4.2600e-		0.0540	0.0540		0.0540	0.0540		852.3384	852.3384	0.0163	0.0156	857.5256
General Office	270.066	2.9125	26.4771	22.2408	0.1589		2.0123	2.0123		2.0123	2.0123		31,772.495	31,772.49	0.6090	0.5825	31,965.857
High Turnover (Sit	60.7101	0.6547	5.9520	4.9997	0.0357		0.4524	0.4524		0.4524	0.4524		7,142.3691	7,142.369	0.1369	0.1309	7,185.8363
Hotel	64.5762	0.6964	6.3310	5.3180	0.0380		0.4812	0.4812		0.4812	0.4812		7,597.2010	7,597.201	0.1456	0.1393	7,643.4363
Movie Theater (No	6.00767	0.0648	0.5890	0.4948	3.5300e-		0.0448	0.0448		0.0448	0.0448		706.7849	706.7849	0.0136	0.0130	711.0862
Quality Restaurant	75.1649	0.8106	7.3691	6.1901	0.0442		0.5601	0.5601		0.5601	0.5601		8,842.9331	8,842.933	0.1695	0.1621	8,896.7497
Supermarket	2.23904	0.0242	0.2195	0.1844	1.3200e-		0.0167	0.0167		0.0167	0.0167		263.4166	263.4166	5.0500e-	4.8300e-	265.0197
Arena	4.50575	0.0486	0.4417	0.3711	2.6500e-		0.0336	0.0336		0.0336	0.0336		530.0886	530.0886	0.0102	9.7200e-	533.3147
Condo/Townhouse	10.671	0.1151	0.9834	0.4185	6.2800e-		0.0795	0.0795		0.0795	0.0795		1,255.4140	1,255.414	0.0241	0.0230	1,263.0543
Total		**5.4072**	**49.0932**	**40.8307**	**0.2949**		**3.7358**	**3.7358**		**3.7358**	**3.7358**		**58,987.118**	**58,987.11**	**1.1306**	**1.0814**	**59,346.104**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	458.6642	3.7505	339.1297	0.1315		45.8641	45.8641		45.8574	45.8574	4,757.190	10,086.66	14,843.852	4.7311	0.5191	15,104.111
Mitigated	198.9974	0.1967	17.2894	9.3000e-		0.8932	0.8932		0.8848	0.8848	0.0000	12,646.19	12,646.192	0.2744	0.2313	12,723.648

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	27.4780					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	169.8004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	260.8231	3.5539	321.9034	0.1306		45.7698	45.7698		45.7631	45.7631	4,757.190	10,055.29	14,812.484	4.6985	0.5191	15,072.058
Landscaping	0.5627	0.1966	17.2263	9.3000e-		0.0942	0.0942		0.0942	0.0942		31.3686	31.3686	0.0326		32.0528
Total	**458.6641**	**3.7505**	**339.1297**	**0.1315**		**45.8641**	**45.8641**		**45.8574**	**45.8574**	**4,757.190**	**10,086.66**	**14,843.852**	**4.7310**	**0.5191**	**15,104.111**

Mitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	27.4780					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	169.8004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.1564	5.0000e-	0.0631	0.0000		0.7989	0.7989		0.7905	0.7905	0.0000	12,614.82	12,614.823	0.2418	0.2313	12,691.595
Landscaping	0.5627	0.1966	17.2263	9.3000e-		0.0942	0.0942		0.0942	0.0942		31.3686	31.3686	0.0326		32.0528
Total	**198.9974**	**0.1967**	**17.2894**	**9.3000e-**		**0.8932**	**0.8932**		**0.8848**	**0.8848**	**0.0000**	**12,646.19**	**12,646.192**	**0.2744**	**0.2313**	**12,723.648**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

City Place Operations Scheme A EIR baseline

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5,724.40	1000sqft	131.41	5,724,400.00	0
Arena	60.00	1000sqft	19.29	60,000.00	0
High Turnover (Sit Down Restaurant)	115.00	1000sqft	2.41	105,000.00	0
Hotel	350.00	Room	11.67	508,200.00	0
Movie Theater (No Matinee)	80.00	1000sqft	1.84	80,000.00	0
Quality Restaurant	130.00	1000sqft	2.98	130,000.00	0
Condo/Townhouse	200.00	Dwelling Unit	12.50	200,000.00	572
Convenience Market (24 Hour)	20.00	1000sqft	0.69	30,000.00	0
Free-Standing Discount Store	1,062.00	1000sqft	24.38	1,062,000.00	0
Supermarket	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	242	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Silicon Valley Power is utility (not in CalEEMod drop down). EF based on 2035 CAP reach goal.
Land Use - All onsite uses
Construction Phase - No construction, operations only
Vehicle Trips - Trip generation rates are from Fehr & Peers. Trip distance default Caleemod.
Vechicle Emission Factors -
Vechicle Emission Factors -
Vechicle Emission Factors -
Energy Use - Electricity not provided by land use type. Accordingly, all electricity modeled in the Arena category. Used average of all land uses to
Water And Wastewater - Total water consumption provided by Integral; indoor/outdoor calculated based on CalEEMod default %s

Solid Waste - Total water consumption provided by Integral
Area Mitigation - All NG hearth
Energy Mitigation - Solar PV; assumed to supply 10% of electricity consumption, per client
Water Mitigation - Water reduction strategy per LEED certification; precent reduction from client based on anticipated onsite improvements
Waste Mitigation - Waste diversion program; percent reduction from client based on anticipated recycling/composting program

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	11601900	11706600
tblAreaCoating	Area_Residential_Exterior	135000	918000
tblAreaCoating	Area_Residential_Interior	405000	2754000
tblConstructionPhase	NumDays	300.00	1.00
tblConstructionPhase	PhaseEndDate	1/1/2016	2/23/2017
tblEnergyUse	LightingElect	3.52	517.44
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	4.41	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	2.72	0.00
tblEnergyUse	LightingElect	3.52	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	7.65	0.00
tblEnergyUse	NT24E	3.70	1,595.35
tblEnergyUse	NT24E	3,125.85	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	3.22	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	30.13	0.00
tblEnergyUse	T24E	1.81	109.81
tblEnergyUse	T24E	184.25	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	7.46	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	2.50	0.00
tblEnergyUse	T24E	1.81	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	4.99	0.00
tblFireplaces	NumberGas	110.00	407.00

tblFireplaces	NumberNoFireplace	62.00	229.40
tblFireplaces	NumberWood	28.00	103.60
tblLandUse	LandUseSquareFeet	115,000.00	105,000.00
tblLandUse	LandUseSquareFeet	20,000.00	30,000.00
tblLandUse	LotAcreage	2.64	2.41
tblLandUse	LotAcreage	0.46	0.69
tblProjectCharacteristics	CO2IntensityFactor	641.35	242
tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	1.65	98.03
tblSolidWaste	SolidWasteGenerationRate	92.00	1,080.40
tblSolidWaste	SolidWasteGenerationRate	60.10	189.48
tblSolidWaste	SolidWasteGenerationRate	4,567.34	397.30
tblSolidWaste	SolidWasteGenerationRate	5,323.69	11,538.38
tblSolidWaste	SolidWasteGenerationRate	1,368.50	548.36
tblSolidWaste	SolidWasteGenerationRate	191.63	1,705.28
tblSolidWaste	SolidWasteGenerationRate	456.00	130.71
tblSolidWaste	SolidWasteGenerationRate	118.63	586.98
tblSolidWaste	SolidWasteGenerationRate	197.40	221.06
tblVehicleTrips	DV_TP	0.28	28.00
tblVehicleTrips	PB_TP	0.60	6.00
tblVehicleTrips	PR_TP	0.66	66.00
tblVehicleTrips	ST_TR	10.71	82.00
tblVehicleTrips	ST_TR	7.16	34.40
tblVehicleTrips	ST_TR	863.10	10.50
tblVehicleTrips	ST_TR	71.07	16.68
tblVehicleTrips	ST_TR	2.37	0.76
tblVehicleTrips	ST_TR	158.37	167.57
tblVehicleTrips	ST_TR	8.19	10.71
tblVehicleTrips	ST_TR	80.00	81.88
tblVehicleTrips	ST_TR	94.36	75.92
tblVehicleTrips	ST_TR	177.59	124.86
tblVehicleTrips	SU_TR	10.71	28.67
tblVehicleTrips	SU_TR	6.07	17.20
tblVehicleTrips	SU_TR	758.45	6.50
tblVehicleTrips	SU_TR	56.36	9.06
tblVehicleTrips	SU_TR	0.98	0.38
tblVehicleTrips	SU_TR	131.84	58.70
tblVehicleTrips	SU_TR	5.95	3.74
tblVehicleTrips	SU_TR	80.00	28.63
tblVehicleTrips	SU_TR	72.16	26.54
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	WD_TR	10.71	15.67
tblVehicleTrips	WD_TR	6.59	31.55

tblVehicleTrips	WD_TR	737.99	84.50
tblVehicleTrips	WD_TR	57.24	26.99
tblVehicleTrips	WD_TR	11.01	10.48
tblVehicleTrips	WD_TR	127.15	119.04
tblVehicleTrips	WD_TR	8.17	13.29
tblVehicleTrips	WD_TR	80.00	15.63
tblVehicleTrips	WD_TR	89.95	45.15
tblVehicleTrips	WD_TR	102.24	0.00
tblWater	IndoorWaterUseRate	25,846,207.06	10,375,344.00
tblWater	IndoorWaterUseRate	13,030,805.12	56,263,961.60
tblWater	IndoorWaterUseRate	1,481,450.43	7,413,527.65
tblWater	IndoorWaterUseRate	78,665,017.82	18,942,667.80
tblWater	IndoorWaterUseRate	1,017,419,067.01	190,428,508.10
tblWater	IndoorWaterUseRate	34,906,376.93	39,339,602.02
tblWater	IndoorWaterUseRate	8,878,369.50	95,695,992.00
tblWater	IndoorWaterUseRate	32,128,116.94	13,833,792.00
tblWater	IndoorWaterUseRate	39,459,382.62	38,619,092.02
tblWater	IndoorWaterUseRate	4,314,387.52	13,531,680.84
tblWater	OutdoorWaterUseRate	1,649,757.90	662,256.00
tblWater	OutdoorWaterUseRate	8,215,072.80	35,470,758.40
tblWater	OutdoorWaterUseRate	907,985.75	4,543,775.02
tblWater	OutdoorWaterUseRate	48,214,043.18	11,610,022.20
tblWater	OutdoorWaterUseRate	623,579,428.17	116,714,246.90
tblWater	OutdoorWaterUseRate	2,228,066.61	2,511,038.43
tblWater	OutdoorWaterUseRate	986,485.50	10,632,888.00
tblWater	OutdoorWaterUseRate	2,050,730.87	883,008.00
tblWater	OutdoorWaterUseRate	2,518,684.00	2,465,048.43
tblWater	OutdoorWaterUseRate	133,434.67	418,505.61
tblWoodstoves	NumberCatalytic	1.00	3.70
tblWoodstoves	NumberNoncatalytic	1.00	3.70

2.0 Emissions Summary

2.1 Overall Construction
Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.5668	5.9683	4.6710	5.4100e-	0.0178	0.2993	0.3171	4.7400e-	0.2790	0.2837	0.0000	499.8243	499.8243	0.1325	0.0000	502.6067
2017	0.0799	0.8340	0.6742	8.1000e-	2.6600e-	0.0415	0.0441	7.1000e-	0.0386	0.0393	0.0000	73.6624	73.6624	0.0197	0.0000	74.0761
Total	**0.6467**	**6.8023**	**5.3452**	**6.2200e-**	**0.0205**	**0.3407**	**0.3612**	**5.4500e-**	**0.3176**	**0.3230**	**0.0000**	**573.4867**	**573.4867**	**0.1522**	**0.0000**	**576.6828**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.5668	5.9683	4.6710	5.4100e-	0.0178	0.2993	0.3171	4.7400e-	0.2790	0.2837	0.0000	499.8237	499.8237	0.1325	0.0000	502.6061
2017	0.0799	0.8340	0.6742	8.1000e-	2.6600e-	0.0415	0.0441	7.1000e-	0.0386	0.0393	0.0000	73.6623	73.6623	0.0197	0.0000	74.0760
Total	**0.6467**	**6.8023**	**5.3452**	**6.2200e-**	**0.0205**	**0.3407**	**0.3612**	**5.4500e-**	**0.3176**	**0.3230**	**0.0000**	**573.4860**	**573.4860**	**0.1522**	**0.0000**	**576.6821**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	36.6278	0.0275	2.3716	7.9000e-		0.1280	0.1280		0.1280	0.1280	12.1119	22.1279	34.2398	0.0252	1.0100e-	35.0810
Energy	0.9868	8.9595	7.4516	0.0538		0.6818	0.6818		0.6818	0.6818	0.0000	24,404.38	24,404.381	1.9414	0.5420	24,613.163
Mobile	33.5072	53.9527	299.3385	1.0196	72.5773	1.2430	73.8203	19.4060	1.1481	20.5541	0.0000	65,376.44	65,376.441	1.8698	0.0000	65,415.707
Waste						0.0000	0.0000		0.0000	0.0000	3,348.534	0.0000	3,348.5349	197.8927	0.0000	7,504.2824
Water						0.0000	0.0000		0.0000	0.0000	153.6918	359.1673	512.8591	15.8287	0.3816	963.5686
Total	**71.1218**	**62.9396**	**309.1617**	**1.0742**	**72.5773**	**2.0528**	**74.6301**	**19.4060**	**1.9578**	**21.3638**	**3,514.338**	**90,162.11**	**93,676.455**	**217.5577**	**0.9246**	**98,531.802**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	36.0564	0.0177	1.5505	8.0000e-		0.0102	0.0102		0.0102	0.0102	0.0000	27.1085	27.1085	3.1300e-	4.5000e-	27.3137
Energy	0.9868	8.9595	7.4516	0.0538		0.6818	0.6818		0.6818	0.6818	0.0000	22,940.54	22,940.540	1.7660	0.5057	23,134.388
Mobile	33.5072	53.9527	299.3385	1.0196	72.5773	1.2430	73.8203	19.4060	1.1481	20.5541	0.0000	65,376.44	65,376.441	1.8698	0.0000	65,415.707
Waste						0.0000	0.0000		0.0000	0.0000	1,674.267	0.0000	1,674.2674	98.9464	0.0000	3,752.1412
Water						0.0000	0.0000		0.0000	0.0000	138.3226	294.4785	432.8011	14.2424	0.3428	838.1462

Total	**70.5504**	**62.9299**	**308.3406**	**1.0735**	**72.5773**	**1.9350**	**74.5123**	**19.4060**	**1.8400**	**21.2461**	**1,812.590**	**88,638.56**	**90,451.158**	**116.8276**	**0.8489**	**93,167.696**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.80**	**0.02**	**0.27**	**0.07**	**0.00**	**5.74**	**0.16**	**0.00**	**6.02**	**0.55**	**48.42**	**1.69**	**3.44**	**46.30**	**8.19**	**5.44**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Unmitigated	33.5072	53.9527	299.3385	1.0196	72.5773	1.2430	73.8203	19.4060	1.1481	20.5541	0.0000	65,376.44	65,376.441	1.8698	0.0000	65,415.707
Mitigated	33.5072	53.9527	299.3385	1.0196	72.5773	1.2430	73.8203	19.4060	1.1481	20.5541	0.0000	65,376.44	65,376.441	1.8698	0.0000	65,415.707

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	940.20	4,920.00	1720.20	3,146,276	3,146,276
Condo/Townhouse	6,310.00	6,880.00	3440.00	13,352,738	13,352,738
Convenience Market (24 Hour)	1,690.00	210.00	130.00	956,323	956,323
Free-Standing Discount Store	28,663.38	17,714.16	9621.72	38,013,188	38,013,188
General Office Building	59,991.71	4,350.54	2175.27	104,631,700	104,631,700
High Turnover (Sit Down Restaurant)	13,689.60	19,270.55	6750.50	15,658,442	15,658,442
Hotel	4,651.50	3,748.50	1309.00	7,685,220	7,685,220
Movie Theater (No Matinee)	1,250.40	6,550.40	2290.40	4,059,957	4,059,957
Quality Restaurant	5,869.50	9,869.60	3450.20	7,230,076	7,230,076
Supermarket	0.00	4,370.10	0.00	710,106	710,106
Total	123,056.29	77,883.85	30,887.29	195,444,026	195,444,026

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Convenience Market (24 Hour)	9.50	7.30	7.30	0.90	80.10	19.00	24	15	61
Free-Standing Discount Store	9.50	7.30	7.30	12.20	68.80	19.00	47.5	35.5	17
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Movie Theater (No Matinee)	9.50	7.30	7.30	1.80	79.20	19.00	66	17	17
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552333	0.058808	0.184358	0.118913	0.029447	0.004459	0.013404	0.026791	0.001843	0.001224	0.006259	0.000436	0.001725

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas	0.9868	8.9595	7.4516	0.0538		0.6818	0.6818		0.6818	0.6818	0.0000	9,765.979	9,765.9791	0.1872	0.1790	9,825.4132
NaturalGas	0.9868	8.9595	7.4516	0.0538		0.6818	0.6818		0.6818	0.6818	0.0000	9,765.979	9,765.9791	0.1872	0.1790	9,825.4132
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	13,174.56	13,174.561	1.5788	0.3266	13,308.974
Electricity						0.0000	0.0000		0.0000	0.0000	0.0000	14,638.40	14,638.401	1.7542	0.3629	14,787.749

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	3.89492e+	0.0210	0.1795	0.0764	1.1500e-		0.0145	0.0145		0.0145	0.0145	0.0000	207.8479	207.8479	3.9800e-	3.8100e-	209.1128
Convenience	74700	4.0000e-	3.6600e-	3.0800e-	2.0000e-		2.8000e-	2.8000e-		2.8000e-	2.8000e-	0.0000	3.9863	3.9863	8.0000e-	7.0000e-	4.0105
Free-Standing	2.64438e+	0.0143	0.1296	0.1089	7.8000e-		9.8500e-	9.8500e-		9.8500e-	9.8500e-	0.0000	141.1142	141.1142	2.7000e-	2.5900e-	141.9730
General Office	9.85742e+	0.5315	4.8321	4.0589	0.0290		0.3672	0.3672		0.3672	0.3672	0.0000	5,260.2930	5,260.293	0.1008	0.0964	5,292.3063
High Turnover (Sit	2.21592e+	0.1195	1.0862	0.9124	6.5200e-		0.0826	0.0826		0.0826	0.0826	0.0000	1,182.4993	1,182.499	0.0227	0.0217	1,189.6958
Hotel	2.35703e+	0.1271	1.1554	0.9705	6.9300e-		0.0878	0.0878		0.0878	0.0878	0.0000	1,257.8018	1,257.801	0.0241	0.0231	1,265.4566
Movie Theater (No	2.1928e+0	0.0118	0.1075	0.0903	6.4000e-		8.1700e-	8.1700e-		8.1700e-	8.1700e-	0.0000	117.0162	117.0162	2.2400e-	2.1500e-	117.7283
Quality Restaurant	2.74352e+	0.1479	1.3449	1.1297	8.0700e-		0.1022	0.1022		0.1022	0.1022	0.0000	1,464.0468	1,464.046	0.0281	0.0268	1,472.9567
Supermarket	817250	4.4100e-	0.0401	0.0337	2.4000e-		3.0400e-	3.0400e-		3.0400e-	3.0400e-	0.0000	43.6116	43.6116	8.4000e-	8.0000e-	43.8770
Arena	1.6446e+0	8.8700e-	0.0806	0.0677	4.8000e-		6.1300e-	6.1300e-		6.1300e-	6.1300e-	0.0000	87.7621	87.7621	1.6800e-	1.6100e-	88.2962
Total		**0.9868**	**8.9595**	**7.4516**	**0.0538**		**0.6818**	**0.6818**		**0.6818**	**0.6818**	**0.0000**	**9,765.9791**	**9,765.979**	**0.1872**	**0.1791**	**9,825.4132**

Mitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Convenience	74700	4.0000e-	3.6600e-	3.0800e-	2.0000e-		2.8000e-	2.8000e-		2.8000e-	2.8000e-	0.0000	3.9863	3.9863	8.0000e-	7.0000e-	4.0105
Free-Standing	2.64438e+	0.0143	0.1296	0.1089	7.8000e-		9.8500e-	9.8500e-		9.8500e-	9.8500e-	0.0000	141.1142	141.1142	2.7000e-	2.5900e-	141.9730
General Office	9.85742e+	0.5315	4.8321	4.0589	0.0290		0.3672	0.3672		0.3672	0.3672	0.0000	5,260.2930	5,260.293	0.1008	0.0964	5,292.3063
High Turnover (Sit	2.21592e+	0.1195	1.0862	0.9124	6.5200e-		0.0826	0.0826		0.0826	0.0826	0.0000	1,182.4993	1,182.499	0.0227	0.0217	1,189.6958
Hotel	2.35703e+	0.1271	1.1554	0.9705	6.9300e-		0.0878	0.0878		0.0878	0.0878	0.0000	1,257.8018	1,257.801	0.0241	0.0231	1,265.4566
Movie Theater (No	2.1928e+0	0.0118	0.1075	0.0903	6.4000e-		8.1700e-	8.1700e-		8.1700e-	8.1700e-	0.0000	117.0162	117.0162	2.2400e-	2.1500e-	117.7283
Quality Restaurant	2.74352e+	0.1479	1.3449	1.1297	8.0700e-		0.1022	0.1022		0.1022	0.1022	0.0000	1,464.0468	1,464.046	0.0281	0.0268	1,472.9567
Supermarket	817250	4.4100e-	0.0401	0.0337	2.4000e-		3.0400e-	3.0400e-		3.0400e-	3.0400e-	0.0000	43.6116	43.6116	8.4000e-	8.0000e-	43.8770
Arena	1.6446e+0	8.8700e-	0.0806	0.0677	4.8000e-		6.1300e-	6.1300e-		6.1300e-	6.1300e-	0.0000	87.7621	87.7621	1.6800e-	1.6100e-	88.2962
Condo/Townhouse	3.89492e+	0.0210	0.1795	0.0764	1.1500e-		0.0145	0.0145		0.0145	0.0145	0.0000	207.8479	207.8479	3.9800e-	3.8100e-	209.1128
Total		**0.9868**	**8.9595**	**7.4516**	**0.0538**		**0.6818**	**0.6818**		**0.6818**	**0.6818**	**0.0000**	**9,765.9791**	**9,765.979**	**0.1872**	**0.1791**	**9,825.4132**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	1.33356e+	14,638.401	1.7542	0.3629	14,787.74
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Convenience	0	0.0000	0.0000	0.0000	0.0000
Free-Standing	0	0.0000	0.0000	0.0000	0.0000

General Office	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Movie Theater (No	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**14,638.401**	**1.7542**	**0.3629**	**14,787.74**

Mitigated

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	1.2002e+0	13,174.561	1.5788	0.3266	13,308.97
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Convenience	0	0.0000	0.0000	0.0000	0.0000
Free-Standing	0	0.0000	0.0000	0.0000	0.0000
General Office	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Movie Theater (No	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**13,174.561**	**1.5788**	**0.3266**	**13,308.97**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Unmitigated	36.6278	0.0275	2.3716	7.9000e-		0.1280	0.1280		0.1280	0.1280	12.1119	22.1279	34.2398	0.0252	1.0100e-	35.0810
Mitigated	36.0564	0.0177	1.5505	8.0000e-		0.0102	0.0102		0.0102	0.0102	0.0000	27.1085	27.1085	3.1300e-	4.5000e-	27.3137

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	5.0147					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	30.9886					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.5739	9.7600e-	0.8212	7.1000e-		0.1195	0.1195		0.1195	0.1195	12.1119	19.5667	31.6786	0.0225	1.0100e-	32.4640
Landscaping	0.0506	0.0177	1.5504	8.0000e-		8.4800e-	8.4800e-		8.4800e-	8.4800e-	0.0000	2.5611	2.5611	2.6600e-	0.0000	2.6170
Total	**36.6278**	**0.0275**	**2.3716**	**7.9000e-**		**0.1280**	**0.1280**		**0.1280**	**0.1280**	**12.1119**	**22.1279**	**34.2398**	**0.0252**	**1.0100e-**	**35.0810**

Mitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	5.0147					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	30.9886					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.4800e-	0.0000	1.4000e-	0.0000		1.7100e-	1.7100e-		1.7000e-	1.7000e-	0.0000	24.5473	24.5473	4.7000e-	4.5000e-	24.6967
Landscaping	0.0506	0.0177	1.5504	8.0000e-		8.4800e-	8.4800e-		8.4800e-	8.4800e-	0.0000	2.5611	2.5611	2.6600e-	0.0000	2.6170
Total	**36.0564**	**0.0177**	**1.5505**	**8.0000e-**		**0.0102**	**0.0102**		**0.0102**	**0.0102**	**0.0000**	**27.1085**	**27.1085**	**3.1300e-**	**4.5000e-**	**27.3137**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	512.8591	15.8287	0.3816	963.5686
Mitigated	432.8011	14.2424	0.3428	838.1462

7.2 Water by Land Use

Unmitigated

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	10.3753 /	9.7086	0.3389	8.1400e-	19.3485
Condo/Townhouse	56.264 /	64.8962	1.8390	0.0445	117.2966
Convenience	7.41353 /	8.5010	0.2423	5.8600e-	15.4050
Free-Standing	18.9427 /	21.7214	0.6191	0.0150	39.3619
General Office	190.429 /	218.3622	6.2240	0.1504	395.7012
High Turnover (Sit	39.3396 /	36.8116	1.2848	0.0309	73.3624
Hotel	95.696 /	91.2848	3.1256	0.0751	180.2146
Movie Theater (No	13.8338 /	12.9448	0.4518	0.0109	25.7979
Quality Restaurant	38.6191 /	36.1374	1.2613	0.0303	72.0188
Supermarket	13.5317 /	12.4911	0.4419	0.0106	25.0618
Total		**512.8591**	**15.8287**	**0.3816**	**963.5686**

Mitigated

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	9.33781 /	8.2491	0.3049	7.3200e-	16.9199
Condo/Townhouse	50.6376 /	54.5318	1.6546	0.0399	101.6526
Convenience	6.67217 /	7.1453	0.2180	5.2600e-	13.3537
Free-Standing	17.0484 /	18.2574	0.5571	0.0134	34.1208
General Office	171.386 /	183.5397	5.6001	0.1351	343.0122
High Turnover (Sit	35.4056 /	31.2775	1.1561	0.0277	64.1544
Hotel	86.1264 /	77.4752	2.8124	0.0675	157.4643
Movie Theater (No	12.4504 /	10.9988	0.4065	9.7500e-	22.5599
Quality Restaurant	34.7572 /	30.7047	1.1349	0.0272	62.9794
Supermarket	12.1785 /	10.6217	0.3977	9.5400e-	21.9290
Total		**432.8012**	**14.2424**	**0.3428**	**838.1462**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,674.2674	98.9464	0.0000	3,752.1412
Unmitigated	3,348.5349	197.8927	0.0000	7,504.2824

8.2 Waste by Land Use

Unmitigated

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	98.03	19.8992	1.1760	0.0000	44.5954
Condo/Townhouse	1080.4	219.3114	12.9609	0.0000	491.4911
Convenience	189.48	38.4627	2.2731	0.0000	86.1975
Free-Standing	397.3	80.6483	4.7662	0.0000	180.7381
General Office	11538.4	2,342.1869	138.4193	0.0000	5,248.991
High Turnover (Sit	548.36	111.3121	6.5784	0.0000	249.4576
Hotel	1705.28	346.1564	20.4573	0.0000	775.7589
Movie Theater (No	130.71	26.5330	1.5681	0.0000	59.4621
Quality Restaurant	586.98	119.1516	7.0417	0.0000	267.0265
Supermarket	221.06	44.8732	2.6519	0.0000	100.5637
Total		**3,348.5349**	**197.8927**	**0.0000**	**7,504.282**

Mitigated

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	49.015	9.9496	0.5880	0.0000	22.2977
Condo/Townhouse	540.2	109.6557	6.4805	0.0000	245.7455

Convenience	94.74	19.2314	1.1365	0.0000	43.0987
Free-Standing	198.65	40.3242	2.3831	0.0000	90.3690
General Office	5769.19	1,171.0934	69.2096	0.0000	2,624.495
High Turnover (Sit	274.18	55.6561	3.2892	0.0000	124.7288
Hotel	852.64	173.0782	10.2286	0.0000	387.8794
Movie Theater (No	65.355	13.2665	0.7840	0.0000	29.7310
Quality Restaurant	293.49	59.5758	3.5208	0.0000	133.5133
Supermarket	110.53	22.4366	1.3260	0.0000	50.2819
Total		**1,674.2674**	**98.9464**	**0.0000**	**3,752.141**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

City Place Operations Scheme A EIR Mitigated

Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5,724.40	1000sqft	131.41	5,724,400.00	0
Arena	60.00	1000sqft	19.29	60,000.00	0
High Turnover (Sit Down Restaurant)	115.00	1000sqft	2.41	105,000.00	0
Hotel	350.00	Room	25.00	508,200.00	0
Movie Theater (No Matinee)	80.00	1000sqft	1.84	80,000.00	0
Quality Restaurant	130.00	1000sqft	2.98	130,000.00	0
Condo/Townhouse	200.00	Dwelling Unit	46.25	200,000.00	3270
Convenience Market (24 Hour)	20.00	1000sqft	0.69	30,000.00	0
Free-Standing Discount Store	1,062.00	1000sqft	24.38	1,062,000.00	0
Supermarket	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	242	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Silicon Valley Power is utility (not in CalEEMod drop down). EF based on 2035 CAP reach goal.
Land Use - All onsite uses
Construction Phase - No construction, operations only
Vehicle Trips - Trip generation rates are from Fehr & Peers. Trip distance default Caleemod.
Vechicle Emission Factors -
Vechicle Emission Factors -
Vechicle Emission Factors -
Energy Use - Electricity not provided by land use type. Accordingly, all electricity modeled in the Arena category. Used average of all land uses to
Water And Wastewater - Total water consumption provided by Integral; indoor/outdoor calculated based on CalEEMod default %s

Solid Waste - Total water consumption provided by Integral
Area Mitigation - All NG hearth
Energy Mitigation - Solar PV; assumed to supply 29% of electricity consumption
Water Mitigation - Water reduction strategy per LEED certification; precent reduction from client based on anticipated onsite improvements
Waste Mitigation - Waste diversion program; percent reduction from client based on anticipated recycling/composting program

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	11601900	11706600
tblAreaCoating	Area_Residential_Exterior	135000	918000
tblAreaCoating	Area_Residential_Interior	405000	2754000
tblConstructionPhase	NumDays	300.00	1.00
tblConstructionPhase	PhaseEndDate	1/1/2016	2/23/2017
tblEnergyUse	LightingElect	3.52	517.44
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	4.41	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	2.72	0.00
tblEnergyUse	LightingElect	3.52	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	7.65	0.00
tblEnergyUse	NT24E	3.70	1,595.35
tblEnergyUse	NT24E	3,125.85	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	3.22	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	30.13	0.00
tblEnergyUse	T24E	1.81	109.81
tblEnergyUse	T24E	184.25	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	7.46	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	2.50	0.00
tblEnergyUse	T24E	1.81	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	4.99	0.00
tblFireplaces	NumberGas	110.00	407.00

tblFireplaces	NumberNoFireplace	62.00	229.40
tblFireplaces	NumberWood	28.00	103.60
tblLandUse	LandUseSquareFeet	115,000.00	105,000.00
tblLandUse	LandUseSquareFeet	20,000.00	30,000.00
tblLandUse	LotAcreage	2.64	2.41
tblLandUse	LotAcreage	11.67	25.00
tblLandUse	LotAcreage	12.50	46.25
tblLandUse	LotAcreage	0.46	0.69
tblLandUse	Population	572.00	3,270.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	242
tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	1.65	98.03
tblSolidWaste	SolidWasteGenerationRate	92.00	1,080.40
tblSolidWaste	SolidWasteGenerationRate	60.10	189.48
tblSolidWaste	SolidWasteGenerationRate	4,567.34	397.30
tblSolidWaste	SolidWasteGenerationRate	5,323.69	11,538.38
tblSolidWaste	SolidWasteGenerationRate	1,368.50	548.36
tblSolidWaste	SolidWasteGenerationRate	191.63	1,705.28
tblSolidWaste	SolidWasteGenerationRate	456.00	130.71
tblSolidWaste	SolidWasteGenerationRate	118.63	586.98
tblSolidWaste	SolidWasteGenerationRate	197.40	221.06
tblVehicleTrips	DV_TP	0.28	28.00
tblVehicleTrips	PB_TP	0.60	6.00
tblVehicleTrips	PR_TP	0.66	66.00
tblVehicleTrips	ST_TR	10.71	82.00
tblVehicleTrips	ST_TR	7.16	34.40
tblVehicleTrips	ST_TR	863.10	10.50
tblVehicleTrips	ST_TR	71.07	16.68
tblVehicleTrips	ST_TR	2.37	0.73
tblVehicleTrips	ST_TR	158.37	167.57
tblVehicleTrips	ST_TR	8.19	10.71
tblVehicleTrips	ST_TR	80.00	81.88
tblVehicleTrips	ST_TR	94.36	75.92
tblVehicleTrips	ST_TR	177.59	124.86
tblVehicleTrips	SU_TR	10.71	28.67
tblVehicleTrips	SU_TR	6.07	17.20
tblVehicleTrips	SU_TR	758.45	6.50
tblVehicleTrips	SU_TR	56.36	9.06
tblVehicleTrips	SU_TR	0.98	0.36
tblVehicleTrips	SU_TR	131.84	58.70
tblVehicleTrips	SU_TR	5.95	3.74
tblVehicleTrips	SU_TR	80.00	28.63
tblVehicleTrips	SU_TR	72.16	26.54

tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	WD_TR	10.71	15.67
tblVehicleTrips	WD_TR	6.59	31.55
tblVehicleTrips	WD_TR	737.99	84.50
tblVehicleTrips	WD_TR	57.24	26.99
tblVehicleTrips	WD_TR	11.01	10.05
tblVehicleTrips	WD_TR	127.15	119.04
tblVehicleTrips	WD_TR	8.17	13.29
tblVehicleTrips	WD_TR	80.00	15.63
tblVehicleTrips	WD_TR	89.95	45.15
tblVehicleTrips	WD_TR	102.24	0.00
tblWater	IndoorWaterUseRate	25,846,207.06	10,375,344.00
tblWater	IndoorWaterUseRate	13,030,805.12	56,263,961.60
tblWater	IndoorWaterUseRate	1,481,450.43	7,413,527.65
tblWater	IndoorWaterUseRate	78,665,017.82	18,942,667.80
tblWater	IndoorWaterUseRate	1,017,419,067.01	190,428,508.10
tblWater	IndoorWaterUseRate	34,906,376.93	39,339,602.02
tblWater	IndoorWaterUseRate	8,878,369.50	95,695,992.00
tblWater	IndoorWaterUseRate	32,128,116.94	13,833,792.00
tblWater	IndoorWaterUseRate	39,459,382.62	38,619,092.02
tblWater	IndoorWaterUseRate	4,314,387.52	13,531,680.84
tblWater	OutdoorWaterUseRate	1,649,757.90	662,256.00
tblWater	OutdoorWaterUseRate	8,215,072.80	35,470,758.40
tblWater	OutdoorWaterUseRate	907,985.75	4,543,775.02
tblWater	OutdoorWaterUseRate	48,214,043.18	11,610,022.20
tblWater	OutdoorWaterUseRate	623,579,428.17	116,714,246.90
tblWater	OutdoorWaterUseRate	2,228,066.61	2,511,038.43
tblWater	OutdoorWaterUseRate	986,485.50	10,632,888.00
tblWater	OutdoorWaterUseRate	2,050,730.87	883,008.00
tblWater	OutdoorWaterUseRate	2,518,684.00	2,465,048.43
tblWater	OutdoorWaterUseRate	133,434.67	418,505.61
tblWoodstoves	NumberCatalytic	1.00	3.70
tblWoodstoves	NumberNoncatalytic	1.00	3.70

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2016	4.3477	45.7415	35.8178	0.0415	0.1415	2.2932	2.4347	0.0375	2.1376	2.1751	0.0000	4,220.306	4,220.3065	1.1192	0.0000	4,243.8087
2017	4.1019	42.7738	34.5949	0.0415	0.1415	2.1263	2.2677	0.0375	1.9807	2.0182	0.0000	4,162.478	4,162.4787	1.1138	0.0000	4,185.8684
Total	**8.4496**	**88.5153**	**70.4127**	**0.0829**	**0.2829**	**4.4195**	**4.7024**	**0.0750**	**4.1182**	**4.1933**	**0.0000**	**8,382.785**	**8,382.7853**	**2.2330**	**0.0000**	**8,429.6771**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	4.3477	45.7415	35.8178	0.0415	0.1415	2.2932	2.4347	0.0375	2.1376	2.1751	0.0000	4,220.306	4,220.3065	1.1192	0.0000	4,243.8087
2017	4.1019	42.7738	34.5949	0.0415	0.1415	2.1263	2.2677	0.0375	1.9807	2.0182	0.0000	4,162.478	4,162.4787	1.1138	0.0000	4,185.8684
Total	**8.4496**	**88.5153**	**70.4127**	**0.0829**	**0.2829**	**4.4195**	**4.7024**	**0.0750**	**4.1182**	**4.1933**	**0.0000**	**8,382.785**	**8,382.7853**	**2.2330**	**0.0000**	**8,429.6771**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	458.6642	3.7505	339.1297	0.1315		45.8641	45.8641		45.8574	45.8574	4,757.190	10,086.66	14,843.852	4.7311	0.5191	15,104.111
Energy	5.4072	49.0932	40.8307	0.2949		3.7359	3.7359		3.7359	3.7359		58,987.11	58,987.118	1.1306	1.0814	59,346.104
Mobile	275.0005	425.7682	2,526.255	7.6350	567.3174	9.4453	576.7627	151.2668	8.7238	159.9906		539,718.9	539,718.90	15.6321		540,047.17
Total	**739.0718**	**478.6118**	**2,906.215**	**8.0614**	**567.3174**	**59.0452**	**626.3626**	**151.2668**	**58.3170**	**209.5838**	**4,757.190**	**608,792.6**	**613,549.87**	**21.4937**	**1.6005**	**614,497.39**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	198.9974	0.1967	17.2894	9.3000e-		0.8932	0.8932		0.8848	0.8848	0.0000	12,646.19	12,646.192	0.2744	0.2313	12,723.648
Energy	4.7695	43.3047	36.0202	0.2602		3.2953	3.2953		3.2953	3.2953		52,031.37	52,031.372	0.9973	0.9539	52,348.026
Mobile	275.0005	425.7682	2,526.255	7.6350	567.3174	9.4453	576.7627	151.2668	8.7238	159.9906		539,718.9	539,718.90	15.6321		540,047.17

Total	**478.7674**	**469.2696**	**2,579.564**	**7.8961**	**567.3174**	**13.6338**	**580.9512**	**151.2668**	**12.9039**	**164.1707**	**0.0000**	**604,396.4**	**604,396.47**	**16.9037**	**1.1852**	**605,118.85**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**35.22**	**1.95**	**11.24**	**2.05**	**0.00**	**76.91**	**7.25**	**0.00**	**77.87**	**21.67**	**100.00**	**0.72**	**1.49**	**21.36**	**25.95**	**1.53**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	275.0005	425.7682	2,526.255	7.6350	567.3174	9.4453	576.7627	151.2668	8.7238	159.9906		539,718.9	539,718.90	15.6321		540,047.17
Mitigated	275.0005	425.7682	2,526.255	7.6350	567.3174	9.4453	576.7627	151.2668	8.7238	159.9906		539,718.9	539,718.90	15.6321		540,047.17

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	940.00	4,920.00	1720.00	3,145,943	3,145,943
Condo/Townhouse	6,310.00	6,880.00	3440.00	13,352,738	13,352,738
Convenience Market (24 Hour)	1,690.00	210.00	130.00	956,323	956,323
Free-Standing Discount Store	28,660.00	17,710.00	9620.00	38,008,113	38,008,113
General Office Building	57,520.00	4,162.00	2081.00	100,316,020	100,316,020
High Turnover (Sit Down Restaurant)	13,690.00	19,270.00	6750.00	15,658,599	15,658,599
Hotel	4,650.00	3,750.00	1310.00	7,683,863	7,683,863
Movie Theater (No Matinee)	1,250.00	6,550.00	2290.00	4,059,204	4,059,204
Quality Restaurant	5,870.00	9,870.00	3450.00	7,230,534	7,230,534
Supermarket	0.00	4,370.00	0.00	710,090	710,090
Total	120,580.00	77,692.00	30,791.00	191,121,427	191,121,427

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6

Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Convenience Market (24 Hour)	9.50	7.30	7.30	0.90	80.10	19.00	24	15	61
Free-Standing Discount Store	9.50	7.30	7.30	12.20	68.80	19.00	47.5	35.5	17
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Movie Theater (No Matinee)	9.50	7.30	7.30	1.80	79.20	19.00	66	17	17
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552333	0.058808	0.184358	0.118913	0.029447	0.004459	0.013404	0.026791	0.001843	0.001224	0.006259	0.000436	0.001725

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24
Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas	4.7695	43.3047	36.0202	0.2602		3.2953	3.2953		3.2953	3.2953		52,031.37	52,031.372	0.9973	0.9539	52,348.026
NaturalGas	5.4072	49.0932	40.8307	0.2949		3.7359	3.7359		3.7359	3.7359		58,987.11	58,987.118	1.1306	1.0814	59,346.104

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	10671	0.1151	0.9834	0.4185	6.2800e-		0.0795	0.0795		0.0795	0.0795		1,255.4140	1,255.414	0.0241	0.0230	1,263.0543

Convenience	204.658	2.2100e-	0.0201	0.0169	1.2000e-		1.5200e-	1.5200e-		1.5200e-	1.5200e-		24.0774	24.0774	4.6000e-	4.4000e-	24.2239
Free-Standing	7244.88	0.0781	0.7103	0.5966	4.2600e-		0.0540	0.0540		0.0540	0.0540		852.3384	852.3384	0.0163	0.0156	857.5256
General Office	270066	2.9125	26.4771	22.2408	0.1589		2.0123	2.0123		2.0123	2.0123		31,772.495	31,772.49	0.6090	0.5825	31,965.857
High Turnover (Sit	60710.1	0.6547	5.9520	4.9997	0.0357		0.4524	0.4524		0.4524	0.4524		7,142.3691	7,142.369	0.1369	0.1309	7,185.8363
Hotel	64576.2	0.6964	6.3310	5.3180	0.0380		0.4812	0.4812		0.4812	0.4812		7,597.2010	7,597.201	0.1456	0.1393	7,643.4363
Movie Theater (No	6007.67	0.0648	0.5890	0.4948	3.5300e-		0.0448	0.0448		0.0448	0.0448		706.7849	706.7849	0.0136	0.0130	711.0862
Quality Restaurant	75164.9	0.8106	7.3691	6.1901	0.0442		0.5601	0.5601		0.5601	0.5601		8,842.9331	8,842.933	0.1695	0.1621	8,896.7497
Supermarket	2239.04	0.0242	0.2195	0.1844	1.3200e-		0.0167	0.0167		0.0167	0.0167		263.4166	263.4166	5.0500e-	4.8300e-	265.0197
Arena	4505.75	0.0486	0.4417	0.3711	2.6500e-		0.0336	0.0336		0.0336	0.0336		530.0886	530.0886	0.0102	9.7200e-	533.3147
Total		**5.4072**	**49.0932**	**40.8307**	**0.2949**		**3.7358**	**3.7358**		**3.7358**	**3.7358**		**58,987.118**	**58,987.11**	**1.1306**	**1.0814**	**59,346.104**

Mitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience	0.173959	1.8800e-	0.0171	0.0143	1.0000e-		1.3000e-	1.3000e-		1.3000e-	1.3000e-		20.4658	20.4658	3.9000e-	3.8000e-	20.5903
Free-Standing	6.15815	0.0664	0.6037	0.5071	3.6200e-		0.0459	0.0459		0.0459	0.0459		724.4877	724.4877	0.0139	0.0133	728.8968
General Office	229.697	2.4771	22.5194	18.9163	0.1351		1.7115	1.7115		1.7115	1.7115		27,023.227	27,023.22	0.5180	0.4954	27,187.686
High Turnover (Sit	57.967	0.6251	5.6830	4.7738	0.0341		0.4319	0.4319		0.4319	0.4319		6,819.6527	6,819.652	0.1307	0.1250	6,861.1560
Hotel	55.8818	0.6027	5.4786	4.6020	0.0329		0.4164	0.4164		0.4164	0.4164		6,574.3307	6,574.330	0.1260	0.1205	6,614.3410
Movie Theater (No	5.32581	0.0574	0.5221	0.4386	3.1300e-		0.0397	0.0397		0.0397	0.0397		626.5657	626.5657	0.0120	0.0115	630.3789
Quality Restaurant	71.7687	0.7740	7.0362	5.9104	0.0422		0.5348	0.5348		0.5348	0.5348		8,443.3795	8,443.379	0.1618	0.1548	8,494.7645
Supermarket	1.98647	0.0214	0.1948	0.1636	1.1700e-		0.0148	0.0148		0.0148	0.0148		233.7019	233.7019	4.4800e-	4.2800e-	235.1241
Arena	3.99436	0.0431	0.3916	0.3290	2.3500e-		0.0298	0.0298		0.0298	0.0298		469.9243	469.9243	9.0100e-	8.6200e-	472.7841
Condo/Townhouse	9.31291	0.1004	0.8583	0.3652	5.4800e-		0.0694	0.0694		0.0694	0.0694		1,095.6370	1,095.637	0.0210	0.0201	1,102.3048
Total		**4.7696**	**43.3047**	**36.0202**	**0.2602**		**3.2953**	**3.2953**		**3.2953**	**3.2953**		**52,031.372**	**52,031.37**	**0.9973**	**0.9539**	**52,348.026**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	458.6642	3.7505	339.1297	0.1315		45.8641	45.8641		45.8574	45.8574	4,757.190	10,086.66	14,843.852	4.7311	0.5191	15,104.111

Mitigated	198.9974	0.1967	17.2894	9.3000e-		0.8932	0.8932		0.8848	0.8848	0.0000	12,646.19	12,646.192	0.2744	0.2313	12,723.648

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	27.4780					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	169.8004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	260.8231	3.5539	321.9034	0.1306		45.7698	45.7698		45.7631	45.7631	4,757.190	10,055.29	14,812.484	4.6985	0.5191	15,072.058
Landscaping	0.5627	0.1966	17.2263	9.3000e-		0.0942	0.0942		0.0942	0.0942		31.3686	31.3686	0.0326		32.0528
Total	**458.6641**	**3.7505**	**339.1297**	**0.1315**		**45.8641**	**45.8641**		**45.8574**	**45.8574**	**4,757.190**	**10,086.66**	**14,843.852**	**4.7310**	**0.5191**	**15,104.111**

Mitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	27.4780					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	169.8004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.1564	5.0000e-	0.0631	0.0000		0.7989	0.7989		0.7905	0.7905	0.0000	12,614.82	12,614.823	0.2418	0.2313	12,691.595
Landscaping	0.5627	0.1966	17.2263	9.3000e-		0.0942	0.0942		0.0942	0.0942		31.3686	31.3686	0.0326		32.0528
Total	**198.9974**	**0.1967**	**17.2894**	**9.3000e-**		**0.8932**	**0.8932**		**0.8848**	**0.8848**	**0.0000**	**12,646.19**	**12,646.192**	**0.2744**	**0.2313**	**12,723.648**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

City Place Operations Scheme A EIR Mitigated

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5,724.40	1000sqft	131.41	5,724,400.00	0
Arena	60.00	1000sqft	19.29	60,000.00	0
High Turnover (Sit Down Restaurant)	115.00	1000sqft	2.41	105,000.00	0
Hotel	350.00	Room	25.00	508,200.00	0
Movie Theater (No Matinee)	80.00	1000sqft	1.84	80,000.00	0
Quality Restaurant	130.00	1000sqft	2.98	130,000.00	0
Condo/Townhouse	200.00	Dwelling Unit	46.25	200,000.00	3270
Convenience Market (24 Hour)	20.00	1000sqft	0.69	30,000.00	0
Free-Standing Discount Store	1,062.00	1000sqft	24.38	1,062,000.00	0
Supermarket	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	242	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Silicon Valley Power is utility (not in CalEEMod drop down). EF based on 2035 CAP reach goal.
Land Use - All onsite uses
Construction Phase - No construction, operations only
Vehicle Trips - Trip generation rates are from Fehr & Peers. Trip distance default Caleemod.
Vechicle Emission Factors -
Vechicle Emission Factors -
Vechicle Emission Factors -
Energy Use - Electricity not provided by land use type. Accordingly, all electricity modeled in the Arena category. Used average of all land uses to
Water And Wastewater - Total water consumption provided by Integral; indoor/outdoor calculated based on CalEEMod default %s

Solid Waste - Total water consumption provided by Integral
Area Mitigation - All NG hearth
Energy Mitigation - Solar PV; assumed to supply 29% of electricity consumption
Water Mitigation - Water reduction strategy per LEED certification; precent reduction from client based on anticipated onsite improvements
Waste Mitigation - Waste diversion program; percent reduction from client based on anticipated recycling/composting program

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	11601900	11706600
tblAreaCoating	Area_Residential_Exterior	135000	918000
tblAreaCoating	Area_Residential_Interior	405000	2754000
tblConstructionPhase	NumDays	300.00	1.00
tblConstructionPhase	PhaseEndDate	1/1/2016	2/23/2017
tblEnergyUse	LightingElect	3.52	517.44
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	4.41	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	2.72	0.00
tblEnergyUse	LightingElect	3.52	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	7.65	0.00
tblEnergyUse	NT24E	3.70	1,595.35
tblEnergyUse	NT24E	3,125.85	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	3.22	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	30.13	0.00
tblEnergyUse	T24E	1.81	109.81
tblEnergyUse	T24E	184.25	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	7.46	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	2.50	0.00
tblEnergyUse	T24E	1.81	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	4.99	0.00
tblFireplaces	NumberGas	110.00	407.00

tblFireplaces	NumberNoFireplace	62.00	229.40
tblFireplaces	NumberWood	28.00	103.60
tblLandUse	LandUseSquareFeet	115,000.00	105,000.00
tblLandUse	LandUseSquareFeet	20,000.00	30,000.00
tblLandUse	LotAcreage	2.64	2.41
tblLandUse	LotAcreage	11.67	25.00
tblLandUse	LotAcreage	12.50	46.25
tblLandUse	LotAcreage	0.46	0.69
tblLandUse	Population	572.00	3,270.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	242
tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	1.65	98.03
tblSolidWaste	SolidWasteGenerationRate	92.00	1,080.40
tblSolidWaste	SolidWasteGenerationRate	60.10	189.48
tblSolidWaste	SolidWasteGenerationRate	4,567.34	397.30
tblSolidWaste	SolidWasteGenerationRate	5,323.69	11,538.38
tblSolidWaste	SolidWasteGenerationRate	1,368.50	548.36
tblSolidWaste	SolidWasteGenerationRate	191.63	1,705.28
tblSolidWaste	SolidWasteGenerationRate	456.00	130.71
tblSolidWaste	SolidWasteGenerationRate	118.63	586.98
tblSolidWaste	SolidWasteGenerationRate	197.40	221.06
tblVehicleTrips	DV_TP	0.28	28.00
tblVehicleTrips	PB_TP	0.60	6.00
tblVehicleTrips	PR_TP	0.66	66.00
tblVehicleTrips	ST_TR	10.71	82.00
tblVehicleTrips	ST_TR	7.16	34.40
tblVehicleTrips	ST_TR	863.10	10.50
tblVehicleTrips	ST_TR	71.07	16.68
tblVehicleTrips	ST_TR	2.37	0.73
tblVehicleTrips	ST_TR	158.37	167.57
tblVehicleTrips	ST_TR	8.19	10.71
tblVehicleTrips	ST_TR	80.00	81.88
tblVehicleTrips	ST_TR	94.36	75.92
tblVehicleTrips	ST_TR	177.59	124.86
tblVehicleTrips	SU_TR	10.71	28.67
tblVehicleTrips	SU_TR	6.07	17.20
tblVehicleTrips	SU_TR	758.45	6.50
tblVehicleTrips	SU_TR	56.36	9.06
tblVehicleTrips	SU_TR	0.98	0.36
tblVehicleTrips	SU_TR	131.84	58.70
tblVehicleTrips	SU_TR	5.95	3.74
tblVehicleTrips	SU_TR	80.00	28.63
tblVehicleTrips	SU_TR	72.16	26.54

tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	WD_TR	10.71	15.67
tblVehicleTrips	WD_TR	6.59	31.55
tblVehicleTrips	WD_TR	737.99	84.50
tblVehicleTrips	WD_TR	57.24	26.99
tblVehicleTrips	WD_TR	11.01	10.05
tblVehicleTrips	WD_TR	127.15	119.04
tblVehicleTrips	WD_TR	8.17	13.29
tblVehicleTrips	WD_TR	80.00	15.63
tblVehicleTrips	WD_TR	89.95	45.15
tblVehicleTrips	WD_TR	102.24	0.00
tblWater	IndoorWaterUseRate	25,846,207.06	10,375,344.00
tblWater	IndoorWaterUseRate	13,030,805.12	56,263,961.60
tblWater	IndoorWaterUseRate	1,481,450.43	7,413,527.65
tblWater	IndoorWaterUseRate	78,665,017.82	18,942,667.80
tblWater	IndoorWaterUseRate	1,017,419,067.01	190,428,508.10
tblWater	IndoorWaterUseRate	34,906,376.93	39,339,602.02
tblWater	IndoorWaterUseRate	8,878,369.50	95,695,992.00
tblWater	IndoorWaterUseRate	32,128,116.94	13,833,792.00
tblWater	IndoorWaterUseRate	39,459,382.62	38,619,092.02
tblWater	IndoorWaterUseRate	4,314,387.52	13,531,680.84
tblWater	OutdoorWaterUseRate	1,649,757.90	662,256.00
tblWater	OutdoorWaterUseRate	8,215,072.80	35,470,758.40
tblWater	OutdoorWaterUseRate	907,985.75	4,543,775.02
tblWater	OutdoorWaterUseRate	48,214,043.18	11,610,022.20
tblWater	OutdoorWaterUseRate	623,579,428.17	116,714,246.90
tblWater	OutdoorWaterUseRate	2,228,066.61	2,511,038.43
tblWater	OutdoorWaterUseRate	986,485.50	10,632,888.00
tblWater	OutdoorWaterUseRate	2,050,730.87	883,008.00
tblWater	OutdoorWaterUseRate	2,518,684.00	2,465,048.43
tblWater	OutdoorWaterUseRate	133,434.67	418,505.61
tblWoodstoves	NumberCatalytic	1.00	3.70
tblWoodstoves	NumberNoncatalytic	1.00	3.70

2.0 Emissions Summary

2.1 Overall Construction
Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

2016	0.5668	5.9683	4.6710	5.4100e-	0.0178	0.2993	0.3171	4.7400e-	0.2790	0.2837	0.0000	499.8243	499.8243	0.1325	0.0000	502.6067
2017	0.0799	0.8340	0.6742	8.1000e-	2.6600e-	0.0415	0.0441	7.1000e-	0.0386	0.0393	0.0000	73.6624	73.6624	0.0197	0.0000	74.0761
Total	**0.6467**	**6.8023**	**5.3452**	**6.2200e-**	**0.0205**	**0.3407**	**0.3612**	**5.4500e-**	**0.3176**	**0.3230**	**0.0000**	**573.4867**	**573.4867**	**0.1522**	**0.0000**	**576.6828**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.5668	5.9683	4.6710	5.4100e-	0.0178	0.2993	0.3171	4.7400e-	0.2790	0.2837	0.0000	499.8237	499.8237	0.1325	0.0000	502.6061
2017	0.0799	0.8340	0.6742	8.1000e-	2.6600e-	0.0415	0.0441	7.1000e-	0.0386	0.0393	0.0000	73.6623	73.6623	0.0197	0.0000	74.0760
Total	**0.6467**	**6.8023**	**5.3452**	**6.2200e-**	**0.0205**	**0.3407**	**0.3612**	**5.4500e-**	**0.3176**	**0.3230**	**0.0000**	**573.4860**	**573.4860**	**0.1522**	**0.0000**	**576.6821**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	36.6278	0.0275	2.3716	7.9000e-		0.1280	0.1280		0.1280	0.1280	12.1119	22.1279	34.2398	0.0252	1.0100e-	35.0810
Energy	0.9868	8.9595	7.4516	0.0538		0.6818	0.6818		0.6818	0.6818	0.0000	24,404.38	24,404.381	1.9414	0.5420	24,613.163
Mobile	32.8854	52.8290	293.3156	0.9973	70.9721	1.2165	72.1886	18.9768	1.1236	20.1004	0.0000	63,944.29	63,944.292	1.8295	0.0000	63,982.711
Waste						0.0000	0.0000		0.0000	0.0000	3,348.534	0.0000	3,348.5349	197.8927	0.0000	7,504.2824
Water						0.0000	0.0000		0.0000	0.0000	153.6918	359.1673	512.8591	15.8287	0.3816	963.5686
Total	**70.5000**	**61.8160**	**303.1388**	**1.0519**	**70.9721**	**2.0262**	**72.9983**	**18.9768**	**1.9333**	**20.9101**	**3,514.338**	**88,729.96**	**92,244.307**	**217.5174**	**0.9246**	**97,098.806**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	36.0564	0.0177	1.5505	8.0000e-		0.0102	0.0102		0.0102	0.0102	0.0000	27.1085	27.1085	3.1300e-	4.5000e-	27.3137

Energy	0.8704	7.9031	6.5737	0.0475		0.6014	0.6014		0.6014	0.6014	0.0000	18,930.61	18,930.619	1.4014	0.4137	19,088.295
Mobile	32.8854	52.8290	293.3156	0.9973	70.9721	1.2165	72.1886	18.9768	1.1236	20.1004	0.0000	63,944.29	63,944.292	1.8295	0.0000	63,982.711
Waste						0.0000	0.0000		0.0000	0.0000	1,674.267	0.0000	1,674.2674	98.9464	0.0000	3,752.1412
Water						0.0000	0.0000		0.0000	0.0000	138.3226	294.4785	432.8011	14.2424	0.3428	838.1462
Total	**69.8122**	**60.7498**	**301.4398**	**1.0448**	**70.9721**	**1.8281**	**72.8002**	**18.9768**	**1.7351**	**20.7120**	**1,812.590**	**83,196.49**	**85,009.088**	**116.4227**	**0.7569**	**87,688.608**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.98**	**1.72**	**0.56**	**0.67**	**0.00**	**9.78**	**0.27**	**0.00**	**10.25**	**0.95**	**48.42**	**6.24**	**7.84**	**46.48**	**18.14**	**9.69**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Unmitigated	32.8854	52.8290	293.3156	0.9973	70.9721	1.2165	72.1886	18.9768	1.1236	20.1004	0.0000	63,944.29	63,944.292	1.8295	0.0000	63,982.711
Mitigated	32.8854	52.8290	293.3156	0.9973	70.9721	1.2165	72.1886	18.9768	1.1236	20.1004	0.0000	63,944.29	63,944.292	1.8295	0.0000	63,982.711

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	940.00	4,920.00	1720.00	3,145,943	3,145,943
Condo/Townhouse	6,310.00	6,880.00	3440.00	13,352,738	13,352,738
Convenience Market (24 Hour)	1,690.00	210.00	130.00	956,323	956,323
Free-Standing Discount Store	28,660.00	17,710.00	9620.00	38,008,113	38,008,113
General Office Building	57,520.00	4,162.00	2081.00	100,316,020	100,316,020
High Turnover (Sit Down Restaurant)	13,690.00	19,270.00	6750.00	15,658,599	15,658,599
Hotel	4,650.00	3,750.00	1310.00	7,683,863	7,683,863
Movie Theater (No Matinee)	1,250.00	6,550.00	2290.00	4,059,204	4,059,204
Quality Restaurant	5,870.00	9,870.00	3450.00	7,230,534	7,230,534
Supermarket	0.00	4,370.00	0.00	710,090	710,090
Total	120,580.00	77,692.00	30,791.00	191,121,427	191,121,427

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Convenience Market (24 Hour)	9.50	7.30	7.30	0.90	80.10	19.00	24	15	61
Free-Standing Discount Store	9.50	7.30	7.30	12.20	68.80	19.00	47.5	35.5	17
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Movie Theater (No Matinee)	9.50	7.30	7.30	1.80	79.20	19.00	66	17	17
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552333	0.058808	0.184358	0.118913	0.029447	0.004459	0.013404	0.026791	0.001843	0.001224	0.006259	0.000436	0.001725

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24
Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas	0.8704	7.9031	6.5737	0.0475		0.6014	0.6014		0.6014	0.6014	0.0000	8,614.377	8,614.3772	0.1651	0.1579	8,666.8029
NaturalGas	0.9868	8.9595	7.4516	0.0538		0.6818	0.6818		0.6818	0.6818	0.0000	9,765.979	9,765.9791	0.1872	0.1790	9,825.4132
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	10,316.24	10,316.241	1.2362	0.2558	10,421.493
Electricity						0.0000	0.0000		0.0000	0.0000	0.0000	14,638.40	14,638.401	1.7542	0.3629	14,787.749

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	3.89492e+	0.0210	0.1795	0.0764	1.1500e-		0.0145	0.0145		0.0145	0.0145	0.0000	207.8479	207.8479	3.9800e-	3.8100e-	209.1128
Convenience	74700	4.0000e-	3.6600e-	3.0800e-	2.0000e-		2.8000e-	2.8000e-		2.8000e-	2.8000e-	0.0000	3.9863	3.9863	8.0000e-	7.0000e-	4.0105
Free-Standing	2.64438e+	0.0143	0.1296	0.1089	7.8000e-		9.8500e-	9.8500e-		9.8500e-	9.8500e-	0.0000	141.1142	141.1142	2.7000e-	2.5900e-	141.9730
General Office	9.85742e+	0.5315	4.8321	4.0589	0.0290		0.3672	0.3672		0.3672	0.3672	0.0000	5,260.2930	5,260.293	0.1008	0.0964	5,292.3063
High Turnover (Sit	2.21592e+	0.1195	1.0862	0.9124	6.5200e-		0.0826	0.0826		0.0826	0.0826	0.0000	1,182.4993	1,182.499	0.0227	0.0217	1,189.6958
Hotel	2.35703e+	0.1271	1.1554	0.9705	6.9300e-		0.0878	0.0878		0.0878	0.0878	0.0000	1,257.8018	1,257.801	0.0241	0.0231	1,265.4566
Movie Theater (No	2.1928e+0	0.0118	0.1075	0.0903	6.4000e-		8.1700e-	8.1700e-		8.1700e-	8.1700e-	0.0000	117.0162	117.0162	2.2400e-	2.1500e-	117.7283
Quality Restaurant	2.74352e+	0.1479	1.3449	1.1297	8.0700e-		0.1022	0.1022		0.1022	0.1022	0.0000	1,464.0468	1,464.046	0.0281	0.0268	1,472.9567
Supermarket	817250	4.4100e-	0.0401	0.0337	2.4000e-		3.0400e-	3.0400e-		3.0400e-	3.0400e-	0.0000	43.6116	43.6116	8.4000e-	8.0000e-	43.8770
Arena	1.6446e+0	8.8700e-	0.0806	0.0677	4.8000e-		6.1300e-	6.1300e-		6.1300e-	6.1300e-	0.0000	87.7621	87.7621	1.6800e-	1.6100e-	88.2962
Total		**0.9868**	**8.9595**	**7.4516**	**0.0538**		**0.6818**	**0.6818**		**0.6818**	**0.6818**	**0.0000**	**9,765.9791**	**9,765.979**	**0.1872**	**0.1791**	**9,825.4132**

Mitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Convenience	63495	3.4000e-	3.1100e-	2.6100e-	2.0000e-		2.4000e-	2.4000e-		2.4000e-	2.4000e-	0.0000	3.3883	3.3883	6.0000e-	6.0000e-	3.4090
Free-Standing	2.24772e+	0.0121	0.1102	0.0926	6.6000e-		8.3700e-	8.3700e-		8.3700e-	8.3700e-	0.0000	119.9471	119.9471	2.3000e-	2.2000e-	120.6770
General Office	8.38396e+	0.4521	4.1098	3.4522	0.0247		0.3123	0.3123		0.3123	0.3123	0.0000	4,473.9983	4,473.998	0.0858	0.0820	4,501.2263
High Turnover (Sit	2.1158e+0	0.1141	1.0372	0.8712	6.2200e-		0.0788	0.0788		0.0788	0.0788	0.0000	1,129.0700	1,129.070	0.0216	0.0207	1,135.9413
Hotel	2.03969e+	0.1100	0.9999	0.8399	6.0000e-		0.0760	0.0760		0.0760	0.0760	0.0000	1,088.4542	1,088.454	0.0209	0.0200	1,095.0783
Movie Theater (No	1.94392e+	0.0105	0.0953	0.0800	5.7000e-		7.2400e-	7.2400e-		7.2400e-	7.2400e-	0.0000	103.7350	103.7350	1.9900e-	1.9000e-	104.3663
Quality Restaurant	2.61956e+	0.1413	1.2841	1.0786	7.7000e-		0.0976	0.0976		0.0976	0.0976	0.0000	1,397.8962	1,397.896	0.0268	0.0256	1,406.4035
Supermarket	725060	3.9100e-	0.0355	0.0299	2.1000e-		2.7000e-	2.7000e-		2.7000e-	2.7000e-	0.0000	38.6920	38.6920	7.4000e-	7.1000e-	38.9274
Arena	1.45794e+	7.8600e-	0.0715	0.0600	4.3000e-		5.4300e-	5.4300e-		5.4300e-	5.4300e-	0.0000	77.8012	77.8012	1.4900e-	1.4300e-	78.2747
Condo/Townhouse	3.39921e+	0.0183	0.1566	0.0667	1.0000e-		0.0127	0.0127		0.0127	0.0127	0.0000	181.3950	181.3950	3.4800e-	3.3300e-	182.4989
Total		**0.8704**	**7.9031**	**6.5737**	**0.0475**		**0.6014**	**0.6014**		**0.6014**	**0.6014**	**0.0000**	**8,614.3772**	**8,614.377**	**0.1651**	**0.1579**	**8,666.8029**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			

Arena	1.33356e+	14,638.401	1.7542	0.3629	14,787.74
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Convenience	0	0.0000	0.0000	0.0000	0.0000
Free-Standing	0	0.0000	0.0000	0.0000	0.0000
General Office	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Movie Theater (No	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**14,638.401**	**1.7542**	**0.3629**	**14,787.74**

Mitigated

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	9.39811e+	10,316.241	1.2362	0.2558	10,421.49
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Convenience	0	0.0000	0.0000	0.0000	0.0000
Free-Standing	0	0.0000	0.0000	0.0000	0.0000
General Office	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Movie Theater (No	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**10,316.241**	**1.2362**	**0.2558**	**10,421.49**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Unmitigated	36.6278	0.0275	2.3716	7.9000e-		0.1280	0.1280		0.1280	0.1280	12.1119	22.1279	34.2398	0.0252	1.0100e-	35.0810
Mitigated	36.0564	0.0177	1.5505	8.0000e-		0.0102	0.0102		0.0102	0.0102	0.0000	27.1085	27.1085	3.1300e-	4.5000e-	27.3137

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	5.0147					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	30.9886					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.5739	9.7600e-	0.8212	7.1000e-		0.1195	0.1195		0.1195	0.1195	12.1119	19.5667	31.6786	0.0225	1.0100e-	32.4640
Landscaping	0.0506	0.0177	1.5504	8.0000e-		8.4800e-	8.4800e-		8.4800e-	8.4800e-	0.0000	2.5611	2.5611	2.6600e-	0.0000	2.6170
Total	**36.6278**	**0.0275**	**2.3716**	**7.9000e-**		**0.1280**	**0.1280**		**0.1280**	**0.1280**	**12.1119**	**22.1279**	**34.2398**	**0.0252**	**1.0100e-**	**35.0810**

Mitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	5.0147					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	30.9886					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.4800e-	0.0000	1.4000e-	0.0000		1.7100e-	1.7100e-		1.7000e-	1.7000e-	0.0000	24.5473	24.5473	4.7000e-	4.5000e-	24.6967
Landscaping	0.0506	0.0177	1.5504	8.0000e-		8.4800e-	8.4800e-		8.4800e-	8.4800e-	0.0000	2.5611	2.5611	2.6600e-	0.0000	2.6170
Total	**36.0564**	**0.0177**	**1.5505**	**8.0000e-**		**0.0102**	**0.0102**		**0.0102**	**0.0102**	**0.0000**	**27.1085**	**27.1085**	**3.1300e-**	**4.5000e-**	**27.3137**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	512.8591	15.8287	0.3816	963.5686

Mitigated	432.8011	14.2424	0.3428	838.1462

7.2 Water by Land Use

Unmitigated

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	10.3753 /	9.7086	0.3389	8.1400e-	19.3485
Condo/Townhouse	56.264 /	64.8962	1.8390	0.0445	117.2966
Convenience	7.41353 /	8.5010	0.2423	5.8600e-	15.4050
Free-Standing	18.9427 /	21.7214	0.6191	0.0150	39.3619
General Office	190.429 /	218.3622	6.2240	0.1504	395.7012
High Turnover (Sit	39.3396 /	36.8116	1.2848	0.0309	73.3624
Hotel	95.696 /	91.2848	3.1256	0.0751	180.2146
Movie Theater (No	13.8338 /	12.9448	0.4518	0.0109	25.7979
Quality Restaurant	38.6191 /	36.1374	1.2613	0.0303	72.0188
Supermarket	13.5317 /	12.4911	0.4419	0.0106	25.0618
Total		**512.8591**	**15.8287**	**0.3816**	**963.5686**

Mitigated

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	9.33781 /	8.2491	0.3049	7.3200e-	16.9199
Condo/Townhouse	50.6376 /	54.5318	1.6546	0.0399	101.6526
Convenience	6.67217 /	7.1453	0.2180	5.2600e-	13.3537
Free-Standing	17.0484 /	18.2574	0.5571	0.0134	34.1208
General Office	171.386 /	183.5397	5.6001	0.1351	343.0122
High Turnover (Sit	35.4056 /	31.2775	1.1561	0.0277	64.1544
Hotel	86.1264 /	77.4752	2.8124	0.0675	157.4643
Movie Theater (No	12.4504 /	10.9988	0.4065	9.7500e-	22.5599
Quality Restaurant	34.7572 /	30.7047	1.1349	0.0272	62.9794
Supermarket	12.1785 /	10.6217	0.3977	9.5400e-	21.9290
Total		**432.8012**	**14.2424**	**0.3428**	**838.1462**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,674.2674	98.9464	0.0000	3,752.1412
Unmitigated	3,348.5349	197.8927	0.0000	7,504.2824

8.2 Waste by Land Use

Unmitigated

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	98.03	19.8992	1.1760	0.0000	44.5954
Condo/Townhouse	1080.4	219.3114	12.9609	0.0000	491.4911
Convenience	189.48	38.4627	2.2731	0.0000	86.1975
Free-Standing	397.3	80.6483	4.7662	0.0000	180.7381
General Office	11538.4	2,342.1869	138.4193	0.0000	5,248.991
High Turnover (Sit	548.36	111.3121	6.5784	0.0000	249.4576
Hotel	1705.28	346.1564	20.4573	0.0000	775.7589
Movie Theater (No	130.71	26.5330	1.5681	0.0000	59.4621
Quality Restaurant	586.98	119.1516	7.0417	0.0000	267.0265
Supermarket	221.06	44.8732	2.6519	0.0000	100.5637
Total		**3,348.5349**	**197.8927**	**0.0000**	**7,504.282**

Mitigated

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	49.015	9.9496	0.5880	0.0000	22.2977
Condo/Townhouse	540.2	109.6557	6.4805	0.0000	245.7455
Convenience	94.74	19.2314	1.1365	0.0000	43.0987
Free-Standing	198.65	40.3242	2.3831	0.0000	90.3690
General Office	5769.19	1,171.0934	69.2096	0.0000	2,624.495
High Turnover (Sit	274.18	55.6561	3.2892	0.0000	124.7288
Hotel	852.64	173.0782	10.2286	0.0000	387.8794
Movie Theater (No	65.355	13.2665	0.7840	0.0000	29.7310
Quality Restaurant	293.49	59.5758	3.5208	0.0000	133.5133
Supermarket	110.53	22.4366	1.3260	0.0000	50.2819
Total		**1,674.2674**	**98.9464**	**0.0000**	**3,752.141**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

City Place Operations Scheme B EIR baseline

Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	6,684.40	1000sqft	153.45	6,684,400.00	0
Arena	60.00	1000sqft	19.29	60,000.00	0
High Turnover (Sit Down Restaurant)	115.00	1000sqft	2.64	115,000.00	0
Hotel	750.00	Room	25.00	578,000.00	0
Movie Theater (No Matinee)	80.00	1000sqft	1.84	80,000.00	0
Quality Restaurant	130.00	1000sqft	2.98	130,000.00	0
Condo/Townhouse	200.00	Dwelling Unit	12.50	480,000.00	572
Convenience Market (24 Hour)	20.00	1000sqft	0.46	20,000.00	0
Free-Standing Discount Store	1,262.00	1000sqft	28.97	1,262,000.00	0
Supermarket	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	242	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Silicon Valley Power is utility (not in CalEEMod drop down). EF based on 2035 CAP reach goal.
Land Use - All onsite uses
Construction Phase - No construction, operations only
Vehicle Trips - Trip generation rates are from Fehr & Peers. Trip distance default Caleemod.
Vechicle Emission Factors -
Vechicle Emission Factors -
Vechicle Emission Factors -
Energy Use - Electricity not provided by land use type. Accordingly, all electricity modeled in the Arena category. Used average of all land uses to
Water And Wastewater - Total water consumption provided by Integral; indoor/outdoor calculated based on CalEEMod default %s

Solid Waste - Total water consumption provided by Integral
Area Mitigation - All NG hearth
Energy Mitigation - Solar PV; assumed to supply 10% of electricity consumption, per client
Water Mitigation - Water reduction strategy per LEED certification; precent reduction from client based on anticipated onsite improvements
Waste Mitigation - Waste diversion program; percent reduction from client based on anticipated recycling/composting program

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	324000	135000
tblAreaCoating	Area_Residential_Interior	972000	405000
tblConstructionPhase	NumDays	300.00	1.00
tblEnergyUse	LightingElect	3.52	517.44
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	4.41	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	2.72	0.00
tblEnergyUse	LightingElect	3.52	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	7.65	0.00
tblEnergyUse	NT24E	3.70	1,595.35
tblEnergyUse	NT24E	3,125.85	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	3.22	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	30.13	0.00
tblEnergyUse	T24E	1.81	109.81
tblEnergyUse	T24E	184.25	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	7.46	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	2.50	0.00
tblEnergyUse	T24E	1.81	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	4.99	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	578,000.00
tblLandUse	LandUseSquareFeet	200,000.00	480,000.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	242

tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	1.65	98.03
tblSolidWaste	SolidWasteGenerationRate	92.00	158.88
tblSolidWaste	SolidWasteGenerationRate	60.10	189.48
tblSolidWaste	SolidWasteGenerationRate	5,427.48	453.42
tblSolidWaste	SolidWasteGenerationRate	6,216.49	13,473.40
tblSolidWaste	SolidWasteGenerationRate	1,368.50	907.80
tblSolidWaste	SolidWasteGenerationRate	410.63	1,705.28
tblSolidWaste	SolidWasteGenerationRate	456.00	130.71
tblSolidWaste	SolidWasteGenerationRate	118.63	586.98
tblSolidWaste	SolidWasteGenerationRate	197.40	221.06
tblVehicleTrips	DV_TP	0.28	28.00
tblVehicleTrips	PB_TP	0.60	6.00
tblVehicleTrips	PR_TP	0.66	66.00
tblVehicleTrips	ST_TR	10.71	82.00
tblVehicleTrips	ST_TR	7.16	5.40
tblVehicleTrips	ST_TR	863.10	12.00
tblVehicleTrips	ST_TR	71.07	20.71
tblVehicleTrips	ST_TR	2.37	0.80
tblVehicleTrips	ST_TR	158.37	167.57
tblVehicleTrips	ST_TR	8.19	5.00
tblVehicleTrips	ST_TR	80.00	81.88
tblVehicleTrips	ST_TR	94.36	75.92
tblVehicleTrips	ST_TR	177.59	124.86
tblVehicleTrips	SU_TR	10.71	28.67
tblVehicleTrips	SU_TR	6.07	2.70
tblVehicleTrips	SU_TR	758.45	7.00
tblVehicleTrips	SU_TR	56.36	10.97
tblVehicleTrips	SU_TR	0.98	0.40
tblVehicleTrips	SU_TR	131.84	58.70
tblVehicleTrips	SU_TR	5.95	1.75
tblVehicleTrips	SU_TR	80.00	28.63
tblVehicleTrips	SU_TR	72.16	26.54
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	WD_TR	10.71	16.33
tblVehicleTrips	WD_TR	6.59	5.45
tblVehicleTrips	WD_TR	737.99	88.50
tblVehicleTrips	WD_TR	57.24	30.29
tblVehicleTrips	WD_TR	11.01	10.24
tblVehicleTrips	WD_TR	127.15	128.61
tblVehicleTrips	WD_TR	8.17	7.08
tblVehicleTrips	WD_TR	80.00	16.38
tblVehicleTrips	WD_TR	89.95	47.38

tblVehicleTrips	WD_TR	102.24	75.71
tblWater	IndoorWaterUseRate	25,846,207.06	10,375,344.00
tblWater	IndoorWaterUseRate	13,030,805.12	8,274,112.00
tblWater	IndoorWaterUseRate	1,481,450.43	7,413,527.65
tblWater	IndoorWaterUseRate	93,479,522.11	21,618,185.85
tblWater	IndoorWaterUseRate	1,188,043,465.09	222,363,971.69
tblWater	IndoorWaterUseRate	34,906,376.93	58,072,680.56
tblWater	IndoorWaterUseRate	19,025,077.50	95,695,992.00
tblWater	IndoorWaterUseRate	32,128,116.94	13,833,792.00
tblWater	IndoorWaterUseRate	39,459,382.62	38,619,092.02
tblWater	IndoorWaterUseRate	4,314,387.52	13,531,680.84
tblWater	OutdoorWaterUseRate	1,649,757.90	662,256.00
tblWater	OutdoorWaterUseRate	8,215,072.80	5,216,288.00
tblWater	OutdoorWaterUseRate	907,985.75	4,543,775.02
tblWater	OutdoorWaterUseRate	57,293,900.65	13,249,855.84
tblWater	OutdoorWaterUseRate	728,155,672.15	136,287,595.55
tblWater	OutdoorWaterUseRate	2,228,066.61	3,706,766.84
tblWater	OutdoorWaterUseRate	2,113,897.50	10,632,888.00
tblWater	OutdoorWaterUseRate	2,050,730.87	883,008.00
tblWater	OutdoorWaterUseRate	2,518,684.00	2,465,048.43
tblWater	OutdoorWaterUseRate	133,434.67	418,505.61

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	4.3477	45.7415	35.8178	0.0415	0.1415	2.2932	2.4347	0.0375	2.1376	2.1751	0.0000	4,220.306	4,220.3065	1.1192	0.0000	4,243.8087
Total	**4.3477**	**45.7415**	**35.8178**	**0.0415**	**0.1415**	**2.2932**	**2.4347**	**0.0375**	**2.1376**	**2.1751**	**0.0000**	**4,220.306**	**4,220.3065**	**1.1192**	**0.0000**	**4,243.8087**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	4.3477	45.7415	35.8178	0.0415	0.1415	2.2932	2.4347	0.0375	2.1376	2.1751	0.0000	4,220.306	4,220.3065	1.1192	0.0000	4,243.8087
Total	**4.3477**	**45.7415**	**35.8178**	**0.0415**	**0.1415**	**2.2932**	**2.4347**	**0.0375**	**2.1376**	**2.1751**	**0.0000**	**4,220.306**	**4,220.3065**	**1.1192**	**0.0000**	**4,243.8087**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	299.5645	1.1586	104.3857	0.0362		12.4650	12.4650		12.4632	12.4632	1,285.727	2,749.357	4,035.0841	1.3033	0.1403	4,105.9421
Energy	6.0676	55.0969	45.8738	0.3310		4.1921	4.1921		4.1921	4.1921		66,191.63	66,191.639	1.2687	1.2135	66,594.470
Mobile	304.5605	472.0985	2,799.740	8.4703	629.4590	10.4757	639.9347	167.8359	9.6755	177.5114		598,773.4	598,773.47	17.3395		599,137.59
Total	**610.1925**	**528.3540**	**2,950.000**	**8.8375**	**629.4590**	**27.1329**	**656.5918**	**167.8359**	**26.3309**	**194.1668**	**1,285.727**	**667,714.4**	**669,000.19**	**19.9114**	**1.3538**	**669,838.01**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	229.3843	0.1981	17.4018	9.4000e-		0.3107	0.3107		0.3085	0.3085	0.0000	3,441.121	3,441.1218	0.0988	0.0625	3,462.5736
Energy	6.0676	55.0969	45.8738	0.3310		4.1921	4.1921		4.1921	4.1921		66,191.63	66,191.639	1.2687	1.2135	66,594.470
Mobile	304.5605	472.0985	2,799.740	8.4703	629.4590	10.4757	639.9347	167.8359	9.6755	177.5114		598,773.4	598,773.47	17.3395		599,137.59
Total	**540.0124**	**527.3935**	**2,863.016**	**8.8022**	**629.4590**	**14.9786**	**644.4375**	**167.8359**	**14.1761**	**182.0120**	**0.0000**	**668,406.2**	**668,406.23**	**18.7069**	**1.2760**	**669,194.64**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**11.50**	**0.18**	**2.95**	**0.40**	**0.00**	**44.80**	**1.85**	**0.00**	**46.16**	**6.26**	**100.00**	**-0.10**	**0.09**	**6.05**	**5.75**	**0.10**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Unmitigated	304.5605	472.0985	2,799.740	8.4703	629.4590	10.4757	639.9347	167.8359	9.6755	177.5114	598,773.4	598,773.47	17.3395	599,137.59	
Mitigated	304.5605	472.0985	2,799.740	8.4703	629.4590	10.4757	639.9347	167.8359	9.6755	177.5114	598,773.4	598,773.47	17.3395	599,137.59	

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	980.00	4,920.00	1720.00	3,201,427	3,201,427
Condo/Townhouse	1,090.00	1,080.00	540.00	2,254,690	2,254,690
Convenience Market (24 Hour)	1,770.00	240.00	140.00	1,004,194	1,004,194
Free-Standing Discount Store	38,220.00	26,140.00	13840.00	51,473,450	51,473,450
General Office Building	68,450.00	5,320.00	2670.00	119,569,575	119,569,575
High Turnover (Sit Down Restaurant)	14,790.00	19,270.00	6750.00	16,570,235	16,570,235
Hotel	5,310.00	3,750.00	1310.00	8,579,544	8,579,544
Movie Theater (No Matinee)	1,310.00	6,550.00	2290.00	4,139,904	4,139,904
Quality Restaurant	6,160.00	9,870.00	3450.00	7,476,240	7,476,240
Supermarket	2,650.00	4,370.00	0.00	2,863,108	2,863,108
Total	140,730.00	81,510.00	32,710.00	217,132,367	217,132,367

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Convenience Market (24 Hour)	9.50	7.30	7.30	0.90	80.10	19.00	24	15	61
Free-Standing Discount Store	9.50	7.30	7.30	12.20	68.80	19.00	47.5	35.5	17
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Movie Theater (No Matinee)	9.50	7.30	7.30	1.80	79.20	19.00	66	17	17
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552333	0.058808	0.184358	0.118913	0.029447	0.004459	0.013404	0.026791	0.001843	0.001224	0.006259	0.000436	0.001725

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas	6.0676	55.0969	45.8738	0.3310		4.1921	4.1921		4.1921	4.1921		66,191.63	66,191.639	1.2687	1.2135	66,594.470
NaturalGas	6.0676	55.0969	45.8738	0.3310		4.1921	4.1921		4.1921	4.1921		66,191.63	66,191.639	1.2687	1.2135	66,594.470

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	4505.75	0.0486	0.4417	0.3711	2.6500e-		0.0336	0.0336		0.0336	0.0336		530.0886	530.0886	0.0102	9.7200e-	533.3147
Condo/Townhouse	10671	0.1151	0.9834	0.4185	6.2800e-		0.0795	0.0795		0.0795	0.0795		1,255.4140	1,255.414	0.0241	0.0230	1,263.0543
Convenience	136.438	1.4700e-	0.0134	0.0112	8.0000e-		1.0200e-	1.0200e-		1.0200e-	1.0200e-		16.0516	16.0516	3.1000e-	2.9000e-	16.1493
Free-Standing	8609.26	0.0928	0.8441	0.7090	5.0600e-		0.0642	0.0642		0.0642	0.0642		1,012.8542	1,012.854	0.0194	0.0186	1,019.0182
General Office	315357	3.4009	30.9174	25.9706	0.1855		2.3497	2.3497		2.3497	2.3497		37,100.843	37,100.84	0.7111	0.6802	37,326.633
High Turnover (Sit	66492.1	0.7171	6.5188	5.4758	0.0391		0.4954	0.4954		0.4954	0.4954		7,822.5947	7,822.594	0.1499	0.1434	7,870.2017
Hotel	73445.6	0.7921	7.2006	6.0485	0.0432		0.5472	0.5472		0.5472	0.5472		8,640.6575	8,640.657	0.1656	0.1584	8,693.2431
Movie Theater (No	6007.67	0.0648	0.5890	0.4948	3.5300e-		0.0448	0.0448		0.0448	0.0448		706.7849	706.7849	0.0136	0.0130	711.0862
Quality Restaurant	75164.9	0.8106	7.3691	6.1901	0.0442		0.5601	0.5601		0.5601	0.5601		8,842.9331	8,842.933	0.1695	0.1621	8,896.7497
Supermarket	2239.04	0.0242	0.2195	0.1844	1.3200e-		0.0167	0.0167		0.0167	0.0167		263.4166	263.4166	5.0500e-	4.8300e-	265.0197
Total		**6.0676**	**55.0969**	**45.8738**	**0.3309**		**4.1921**	**4.1921**		**4.1921**	**4.1921**		**66,191.639**	**66,191.63**	**1.2687**	**1.2135**	**66,594.470**

Mitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	4.50575	0.0486	0.4417	0.3711	2.6500e-		0.0336	0.0336		0.0336	0.0336		530.0886	530.0886	0.0102	9.7200e-	533.3147
Condo/Townhouse	10.671	0.1151	0.9834	0.4185	6.2800e-		0.0795	0.0795		0.0795	0.0795		1,255.4140	1,255.414	0.0241	0.0230	1,263.0543
Convenience	0.136438	1.4700e-	0.0134	0.0112	8.0000e-		1.0200e-	1.0200e-		1.0200e-	1.0200e-		16.0516	16.0516	3.1000e-	2.9000e-	16.1493
Free-Standing	8.60926	0.0928	0.8441	0.7090	5.0600e-		0.0642	0.0642		0.0642	0.0642		1,012.8542	1,012.854	0.0194	0.0186	1,019.0182
General Office	315.357	3.4009	30.9174	25.9706	0.1855		2.3497	2.3497		2.3497	2.3497		37,100.843	37,100.84	0.7111	0.6802	37,326.633
High Turnover (Sit	66.4921	0.7171	6.5188	5.4758	0.0391		0.4954	0.4954		0.4954	0.4954		7,822.5947	7,822.594	0.1499	0.1434	7,870.2017
Hotel	73.4456	0.7921	7.2006	6.0485	0.0432		0.5472	0.5472		0.5472	0.5472		8,640.6575	8,640.657	0.1656	0.1584	8,693.2431
Movie Theater (No	6.00767	0.0648	0.5890	0.4948	3.5300e-		0.0448	0.0448		0.0448	0.0448		706.7849	706.7849	0.0136	0.0130	711.0862
Quality Restaurant	75.1649	0.8106	7.3691	6.1901	0.0442		0.5601	0.5601		0.5601	0.5601		8,842.9331	8,842.933	0.1695	0.1621	8,896.7497
Supermarket	2.23904	0.0242	0.2195	0.1844	1.3200e-		0.0167	0.0167		0.0167	0.0167		263.4166	263.4166	5.0500e-	4.8300e-	265.0197
Total		**6.0676**	**55.0969**	**45.8738**	**0.3309**		**4.1921**	**4.1921**		**4.1921**	**4.1921**		**66,191.639**	**66,191.63**	**1.2687**	**1.2135**	**66,594.470**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	299.5645	1.1586	104.3857	0.0362		12.4650	12.4650		12.4632	12.4632	1,285.727	2,749.357	4,035.0841	1.3033	0.1403	4,105.9421
Mitigated	229.3843	0.1981	17.4018	9.4000e-		0.3107	0.3107		0.3085	0.3085	0.0000	3,441.121	3,441.1218	0.0988	0.0625	3,462.5736

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	26.3845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	202.1102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	70.4927	0.9605	87.0009	0.0353		12.3702	12.3702		12.3684	12.3684	1,285.727	2,717.647	4,003.3741	1.2699	0.1403	4,073.5294

Landscaping	0.5772	0.1981	17.3848	9.4000e-		0.0948	0.0948		0.0948	0.0948		31.7100	31.7100	0.0335		32.4127
Total	**299.5645**	**1.1586**	**104.3857**	**0.0362**		**12.4650**	**12.4650**		**12.4632**	**12.4632**	**1,285.727**	**2,749.357**	**4,035.0841**	**1.3033**	**0.1403**	**4,105.9421**

Mitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	26.3845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	202.1102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3125	1.0000e-	0.0171	0.0000		0.2159	0.2159		0.2137	0.2137	0.0000	3,409.411	3,409.4118	0.0654	0.0625	3,430.1609
Landscaping	0.5772	0.1981	17.3848	9.4000e-		0.0948	0.0948		0.0948	0.0948		31.7100	31.7100	0.0335		32.4127
Total	**229.3843**	**0.1981**	**17.4019**	**9.4000e-**		**0.3107**	**0.3107**		**0.3085**	**0.3085**	**0.0000**	**3,441.121**	**3,441.1217**	**0.0988**	**0.0625**	**3,462.5736**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

City Place Operations Scheme B EIR baseline

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	6,684.40	1000sqft	153.45	6,684,400.00	0
Arena	60.00	1000sqft	19.29	60,000.00	0
High Turnover (Sit Down Restaurant)	115.00	1000sqft	2.64	115,000.00	0
Hotel	750.00	Room	25.00	578,000.00	0
Movie Theater (No Matinee)	80.00	1000sqft	1.84	80,000.00	0
Quality Restaurant	130.00	1000sqft	2.98	130,000.00	0
Condo/Townhouse	200.00	Dwelling Unit	12.50	480,000.00	572
Convenience Market (24 Hour)	20.00	1000sqft	0.46	20,000.00	0
Free-Standing Discount Store	1,262.00	1000sqft	28.97	1,262,000.00	0
Supermarket	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	242	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Silicon Valley Power is utility (not in CalEEMod drop down). EF based on 2035 CAP reach goal.
Land Use - All onsite uses
Construction Phase - No construction, operations only
Vehicle Trips - Trip generation rates are from Fehr & Peers. Trip distance default Caleemod.
Vechicle Emission Factors -
Vechicle Emission Factors -
Vechicle Emission Factors -
Energy Use - Electricity not provided by land use type. Accordingly, all electricity modeled in the Arena category. Used average of all land uses to
Water And Wastewater - Total water consumption provided by Integral; indoor/outdoor calculated based on CalEEMod default %s

Solid Waste - Total water consumption provided by Integral
Area Mitigation - All NG hearth
Energy Mitigation - Solar PV; assumed to supply 10% of electricity consumption, per client
Water Mitigation - Water reduction strategy per LEED certification; precent reduction from client based on anticipated onsite improvements
Waste Mitigation - Waste diversion program; percent reduction from client based on anticipated recycling/composting program

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	324000	135000
tblAreaCoating	Area_Residential_Interior	972000	405000
tblConstructionPhase	NumDays	300.00	1.00
tblEnergyUse	LightingElect	3.52	517.44
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	4.41	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	2.72	0.00
tblEnergyUse	LightingElect	3.52	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	7.65	0.00
tblEnergyUse	NT24E	3.70	1,595.35
tblEnergyUse	NT24E	3,125.85	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	3.22	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	30.13	0.00
tblEnergyUse	T24E	1.81	109.81
tblEnergyUse	T24E	184.25	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	7.46	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	2.50	0.00
tblEnergyUse	T24E	1.81	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	4.99	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	578,000.00
tblLandUse	LandUseSquareFeet	200,000.00	480,000.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	242

tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	1.65	98.03
tblSolidWaste	SolidWasteGenerationRate	92.00	158.88
tblSolidWaste	SolidWasteGenerationRate	60.10	189.48
tblSolidWaste	SolidWasteGenerationRate	5,427.48	453.42
tblSolidWaste	SolidWasteGenerationRate	6,216.49	13,473.40
tblSolidWaste	SolidWasteGenerationRate	1,368.50	907.80
tblSolidWaste	SolidWasteGenerationRate	410.63	1,705.28
tblSolidWaste	SolidWasteGenerationRate	456.00	130.71
tblSolidWaste	SolidWasteGenerationRate	118.63	586.98
tblSolidWaste	SolidWasteGenerationRate	197.40	221.06
tblVehicleTrips	DV_TP	0.28	28.00
tblVehicleTrips	PB_TP	0.60	6.00
tblVehicleTrips	PR_TP	0.66	66.00
tblVehicleTrips	ST_TR	10.71	82.00
tblVehicleTrips	ST_TR	7.16	5.40
tblVehicleTrips	ST_TR	863.10	12.00
tblVehicleTrips	ST_TR	71.07	20.71
tblVehicleTrips	ST_TR	2.37	0.80
tblVehicleTrips	ST_TR	158.37	167.57
tblVehicleTrips	ST_TR	8.19	5.00
tblVehicleTrips	ST_TR	80.00	81.88
tblVehicleTrips	ST_TR	94.36	75.92
tblVehicleTrips	ST_TR	177.59	124.86
tblVehicleTrips	SU_TR	10.71	28.67
tblVehicleTrips	SU_TR	6.07	2.70
tblVehicleTrips	SU_TR	758.45	7.00
tblVehicleTrips	SU_TR	56.36	10.97
tblVehicleTrips	SU_TR	0.98	0.40
tblVehicleTrips	SU_TR	131.84	58.70
tblVehicleTrips	SU_TR	5.95	1.75
tblVehicleTrips	SU_TR	80.00	28.63
tblVehicleTrips	SU_TR	72.16	26.54
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	WD_TR	10.71	16.33
tblVehicleTrips	WD_TR	6.59	5.45
tblVehicleTrips	WD_TR	737.99	88.50
tblVehicleTrips	WD_TR	57.24	30.29
tblVehicleTrips	WD_TR	11.01	10.24
tblVehicleTrips	WD_TR	127.15	128.61
tblVehicleTrips	WD_TR	8.17	7.08
tblVehicleTrips	WD_TR	80.00	16.38
tblVehicleTrips	WD_TR	89.95	47.38

tblVehicleTrips	WD_TR	102.24	75.71
tblWater	IndoorWaterUseRate	25,846,207.06	10,375,344.00
tblWater	IndoorWaterUseRate	13,030,805.12	8,274,112.00
tblWater	IndoorWaterUseRate	1,481,450.43	7,413,527.65
tblWater	IndoorWaterUseRate	93,479,522.11	21,618,185.85
tblWater	IndoorWaterUseRate	1,188,043,465.09	222,363,971.69
tblWater	IndoorWaterUseRate	34,906,376.93	58,072,680.56
tblWater	IndoorWaterUseRate	19,025,077.50	95,695,992.00
tblWater	IndoorWaterUseRate	32,128,116.94	13,833,792.00
tblWater	IndoorWaterUseRate	39,459,382.62	38,619,092.02
tblWater	IndoorWaterUseRate	4,314,387.52	13,531,680.84
tblWater	OutdoorWaterUseRate	1,649,757.90	662,256.00
tblWater	OutdoorWaterUseRate	8,215,072.80	5,216,288.00
tblWater	OutdoorWaterUseRate	907,985.75	4,543,775.02
tblWater	OutdoorWaterUseRate	57,293,900.65	13,249,855.84
tblWater	OutdoorWaterUseRate	728,155,672.15	136,287,595.55
tblWater	OutdoorWaterUseRate	2,228,066.61	3,706,766.84
tblWater	OutdoorWaterUseRate	2,113,897.50	10,632,888.00
tblWater	OutdoorWaterUseRate	2,050,730.87	883,008.00
tblWater	OutdoorWaterUseRate	2,518,684.00	2,465,048.43
tblWater	OutdoorWaterUseRate	133,434.67	418,505.61

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	2.1700e-	0.0229	0.0179	2.0000e-	7.0000e-	1.1500e-	1.2100e-	2.0000e-	1.0700e-	1.0900e-	0.0000	1.9150	1.9150	5.1000e-	0.0000	1.9257
Total	**2.1700e-**	**0.0229**	**0.0179**	**2.0000e-**	**7.0000e-**	**1.1500e-**	**1.2100e-**	**2.0000e-**	**1.0700e-**	**1.0900e-**	**0.0000**	**1.9150**	**1.9150**	**5.1000e-**	**0.0000**	**1.9257**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	2.1700e-	0.0229	0.0179	2.0000e-	7.0000e-	1.1500e-	1.2100e-	2.0000e-	1.0700e-	1.0900e-	0.0000	1.9150	1.9150	5.1000e-	0.0000	1.9257
Total	**2.1700e-**	**0.0229**	**0.0179**	**2.0000e-**	**7.0000e-**	**1.1500e-**	**1.2100e-**	**2.0000e-**	**1.0700e-**	**1.0900e-**	**0.0000**	**1.9150**	**1.9150**	**5.1000e-**	**0.0000**	**1.9257**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	41.9073	0.0205	1.7866	2.8000e-		0.0408	0.0408		0.0408	0.0408	3.2735	7.8773	11.1508	8.8100e-	2.7000e-	11.4204
Energy	1.1073	10.0552	8.3720	0.0604		0.7651	0.7651		0.7651	0.7651	0.0000	25,597.17	25,597.170	1.9642	0.5639	25,813.211
Mobile	37.7057	60.2201	334.9627	1.1336	80.6312	1.3848	82.0159	21.5595	1.2790	22.8385	0.0000	72,686.70	72,686.700	2.0814	0.0000	72,730.410
Waste						0.0000	0.0000		0.0000	0.0000	3,638.621	0.0000	3,638.6211	215.0364	0.0000	8,154.3844
Water						0.0000	0.0000		0.0000	0.0000	155.3904	359.3333	514.7237	16.0032	0.3858	970.3758
Total	**80.7203**	**70.2958**	**345.1212**	**1.1943**	**80.6312**	**2.1907**	**82.8218**	**21.5595**	**2.0849**	**23.6444**	**3,797.285**	**98,651.08**	**102,448.36**	**235.0940**	**0.9499**	**107,679.80**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	41.7529	0.0178	1.5647	8.0000e-		8.9900e-	8.9900e-		8.9900e-	8.9900e-	0.0000	9.2234	9.2234	2.8600e-	1.2000e-	9.3212
Energy	1.1073	10.0552	8.3720	0.0604		0.7651	0.7651		0.7651	0.7651	0.0000	24,133.32	24,133.329	1.7888	0.5276	24,334.436
Mobile	37.7057	60.2201	334.9627	1.1336	80.6312	1.3848	82.0159	21.5595	1.2790	22.8385	0.0000	72,686.70	72,686.700	2.0814	0.0000	72,730.410
Waste						0.0000	0.0000		0.0000	0.0000	3,638.621	0.0000	3,638.6211	215.0364	0.0000	8,154.3844
Water						0.0000	0.0000		0.0000	0.0000	139.8514	294.6903	434.5417	14.3994	0.3465	844.3357
Total	**80.5659**	**70.2931**	**344.8993**	**1.1941**	**80.6312**	**2.1588**	**82.7900**	**21.5595**	**2.0531**	**23.6126**	**3,778.472**	**97,123.94**	**100,902.41**	**233.3088**	**0.8741**	**106,072.88**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.19**	**0.00**	**0.06**	**0.02**	**0.00**	**1.45**	**0.04**	**0.00**	**1.53**	**0.13**	**0.50**	**1.55**	**1.51**	**0.76**	**7.97**	**1.49**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	37.7057	60.2201	334.9627	1.1336	80.6312	1.3848	82.0159	21.5595	1.2790	22.8385	0.0000	72,686.70	72,686.700	2.0814	0.0000	72,730.410
Unmitigated	37.7057	60.2201	334.9627	1.1336	80.6312	1.3848	82.0159	21.5595	1.2790	22.8385	0.0000	72,686.70	72,686.700	2.0814	0.0000	72,730.410

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	980.00	4,920.00	1720.00	3,201,427	3,201,427
Condo/Townhouse	1,090.00	1,080.00	540.00	2,254,690	2,254,690
Convenience Market (24 Hour)	1,770.00	240.00	140.00	1,004,194	1,004,194
Free-Standing Discount Store	38,220.00	26,140.00	13840.00	51,473,450	51,473,450
General Office Building	68,450.00	5,320.00	2670.00	119,569,575	119,569,575
High Turnover (Sit Down Restaurant)	14,790.00	19,270.00	6750.00	16,570,235	16,570,235
Hotel	5,310.00	3,750.00	1310.00	8,579,544	8,579,544
Movie Theater (No Matinee)	1,310.00	6,550.00	2290.00	4,139,904	4,139,904
Quality Restaurant	6,160.00	9,870.00	3450.00	7,476,240	7,476,240
Supermarket	2,650.00	4,370.00	0.00	2,863,108	2,863,108
Total	140,730.00	81,510.00	32,710.00	217,132,367	217,132,367

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Convenience Market (24 Hour)	9.50	7.30	7.30	0.90	80.10	19.00	24	15	61
Free-Standing Discount Store	9.50	7.30	7.30	12.20	68.80	19.00	47.5	35.5	17
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Movie Theater (No Matinee)	9.50	7.30	7.30	1.80	79.20	19.00	66	17	17
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552333	0.058808	0.184358	0.118913	0.029447	0.004459	0.013404	0.026791	0.001843	0.001224	0.006259	0.000436	0.001725

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	13,174.56	13,174.561	1.5788	0.3266	13,308.974
Electricity						0.0000	0.0000		0.0000	0.0000	0.0000	14,638.40	14,638.401	1.7542	0.3629	14,787.749
NaturalGas	1.1073	10.0552	8.3720	0.0604		0.7651	0.7651		0.7651	0.7651	0.0000	10,958.76	10,958.768	0.2100	0.2009	11,025.461
NaturalGas	1.1073	10.0552	8.3720	0.0604		0.7651	0.7651		0.7651	0.7651	0.0000	10,958.76	10,958.768	0.2100	0.2009	11,025.461

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Convenience	49800	2.7000e-	2.4400e-	2.0500e-	1.0000e-		1.9000e-	1.9000e-		1.9000e-	1.9000e-	0.0000	2.6575	2.6575	5.0000e-	5.0000e-	2.6737
Free-Standing	3.14238e+	0.0169	0.1540	0.1294	9.2000e-		0.0117	0.0117		0.0117	0.0117	0.0000	167.6894	167.6894	3.2100e-	3.0700e-	168.7099
General Office	1.15105e+	0.6207	5.6424	4.7396	0.0339		0.4288	0.4288		0.4288	0.4288	0.0000	6,142.4608	6,142.460	0.1177	0.1126	6,179.8428
High Turnover (Sit	2.42696e+	0.1309	1.1897	0.9993	7.1400e-		0.0904	0.0904		0.0904	0.0904	0.0000	1,295.1183	1,295.118	0.0248	0.0237	1,303.0002
Hotel	2.68076e+	0.1446	1.3141	1.1038	7.8800e-		0.0999	0.0999		0.0999	0.0999	0.0000	1,430.5578	1,430.557	0.0274	0.0262	1,439.2639
Movie Theater (No	2.1928e+0	0.0118	0.1075	0.0903	6.4000e-		8.1700e-	8.1700e-		8.1700e-	8.1700e-	0.0000	117.0162	117.0162	2.2400e-	2.1500e-	117.7283
Quality Restaurant	2.74352e+	0.1479	1.3449	1.1297	8.0700e-		0.1022	0.1022		0.1022	0.1022	0.0000	1,464.0468	1,464.046	0.0281	0.0268	1,472.9567
Supermarket	817250	4.4100e-	0.0401	0.0337	2.4000e-		3.0400e-	3.0400e-		3.0400e-	3.0400e-	0.0000	43.6116	43.6116	8.4000e-	8.0000e-	43.8770
Arena	1.6446e+0	8.8700e-	0.0806	0.0677	4.8000e-		6.1300e-	6.1300e-		6.1300e-	6.1300e-	0.0000	87.7621	87.7621	1.6800e-	1.6100e-	88.2962

Condo/Townhouse	3.89492e+	0.0210	0.1795	0.0764	1.1500e-		0.0145	0.0145		0.0145	0.0145	0.0000	207.8479	207.8479	3.9800e-	3.8100e-	209.1128
Total		**1.1073**	**10.0552**	**8.3720**	**0.0604**		**0.7651**	**0.7651**		**0.7651**	**0.7651**	**0.0000**	**10,958.768**	**10,958.76**	**0.2100**	**0.2009**	**11,025.461**

Mitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Convenience	49800	2.7000e-	2.4400e-	2.0500e-	1.0000e-		1.9000e-	1.9000e-		1.9000e-	1.9000e-	0.0000	2.6575	2.6575	5.0000e-	5.0000e-	2.6737
Free-Standing	3.14238e+	0.0169	0.1540	0.1294	9.2000e-		0.0117	0.0117		0.0117	0.0117	0.0000	167.6894	167.6894	3.2100e-	3.0700e-	168.7099
General Office	1.15105e+	0.6207	5.6424	4.7396	0.0339		0.4288	0.4288		0.4288	0.4288	0.0000	6,142.4608	6,142.460	0.1177	0.1126	6,179.8428
High Turnover (Sit	2.42696e+	0.1309	1.1897	0.9993	7.1400e-		0.0904	0.0904		0.0904	0.0904	0.0000	1,295.1183	1,295.118	0.0248	0.0237	1,303.0002
Hotel	2.68076e+	0.1446	1.3141	1.1038	7.8800e-		0.0999	0.0999		0.0999	0.0999	0.0000	1,430.5578	1,430.557	0.0274	0.0262	1,439.2639
Movie Theater (No	2.1928e+0	0.0118	0.1075	0.0903	6.4000e-		8.1700e-	8.1700e-		8.1700e-	8.1700e-	0.0000	117.0162	117.0162	2.2400e-	2.1500e-	117.7283
Quality Restaurant	2.74352e+	0.1479	1.3449	1.1297	8.0700e-		0.1022	0.1022		0.1022	0.1022	0.0000	1,464.0468	1,464.046	0.0281	0.0268	1,472.9567
Supermarket	817250	4.4100e-	0.0401	0.0337	2.4000e-		3.0400e-	3.0400e-		3.0400e-	3.0400e-	0.0000	43.6116	43.6116	8.4000e-	8.0000e-	43.8770
Arena	1.6446e+0	8.8700e-	0.0806	0.0677	4.8000e-		6.1300e-	6.1300e-		6.1300e-	6.1300e-	0.0000	87.7621	87.7621	1.6800e-	1.6100e-	88.2962
Condo/Townhouse	3.89492e+	0.0210	0.1795	0.0764	1.1500e-		0.0145	0.0145		0.0145	0.0145	0.0000	207.8479	207.8479	3.9800e-	3.8100e-	209.1128
Total		**1.1073**	**10.0552**	**8.3720**	**0.0604**		**0.7651**	**0.7651**		**0.7651**	**0.7651**	**0.0000**	**10,958.768**	**10,958.76**	**0.2100**	**0.2009**	**11,025.461**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	1.33356e+	14,638.401	1.7542	0.3629	14,787.74
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Convenience	0	0.0000	0.0000	0.0000	0.0000
Free-Standing	0	0.0000	0.0000	0.0000	0.0000
General Office	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Movie Theater (No	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**14,638.401**	**1.7542**	**0.3629**	**14,787.74**

Mitigated

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	1.2002e+0	13,174.561	1.5788	0.3266	13,308.97
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Convenience	0	0.0000	0.0000	0.0000	0.0000
Free-Standing	0	0.0000	0.0000	0.0000	0.0000
General Office	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Movie Theater (No	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**13,174.561**	**1.5788**	**0.3266**	**13,308.97**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	41.7529	0.0178	1.5647	8.0000e-		8.9900e-	8.9900e-		8.9900e-	8.9900e-	0.0000	9.2234	9.2234	2.8600e-	1.2000e-	9.3212
Unmitigated	41.9073	0.0205	1.7866	2.8000e-		0.0408	0.0408		0.0408	0.0408	3.2735	7.8773	11.1508	8.8100e-	2.7000e-	11.4204

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	4.8152					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Consumer	36.8851					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1551	2.6400e-	0.2219	1.9000e-		0.0323	0.0323		0.0323	0.0323	3.2735	5.2883	8.5618	6.0800e-	2.7000e-	8.7741
Landscaping	0.0519	0.0178	1.5646	8.0000e-		8.5300e-	8.5300e-		8.5300e-	8.5300e-	0.0000	2.5890	2.5890	2.7300e-	0.0000	2.6464
Total	**41.9073**	**0.0205**	**1.7866**	**2.7000e-**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**3.2735**	**7.8773**	**11.1508**	**8.8100e-**	**2.7000e-**	**11.4204**

Mitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	4.8152					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	36.8851					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.7000e-	0.0000	4.0000e-	0.0000		4.6000e-	4.6000e-		4.6000e-	4.6000e-	0.0000	6.6344	6.6344	1.3000e-	1.2000e-	6.6748
Landscaping	0.0519	0.0178	1.5646	8.0000e-		8.5300e-	8.5300e-		8.5300e-	8.5300e-	0.0000	2.5890	2.5890	2.7300e-	0.0000	2.6464
Total	**41.7529**	**0.0178**	**1.5647**	**8.0000e-**		**8.9900e-**	**8.9900e-**		**8.9900e-**	**8.9900e-**	**0.0000**	**9.2234**	**9.2234**	**2.8600e-**	**1.2000e-**	**9.3212**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	434.5417	14.3994	0.3465	844.3357
Unmitigated	514.7237	16.0032	0.3858	970.3758

7.2 Water by Land Use

Unmitigated

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	10.3753 /	9.7086	0.3389	8.1400e-	19.3485
Condo/Townhouse	8.27411 /	9.5436	0.2704	6.5400e-	17.2495

Convenience	7.41353 /	8.5010	0.2423	5.8600e-	15.4050
Free-Standing	21.6182 /	24.7893	0.7066	0.0171	44.9215
General Office	222.364 /	254.9823	7.2678	0.1757	462.0615
High Turnover (Sit	58.0727 /	54.3409	1.8966	0.0456	108.2968
Hotel	95.696 /	91.2848	3.1256	0.0751	180.2146
Movie Theater (No	13.8338 /	12.9448	0.4518	0.0109	25.7979
Quality Restaurant	38.6191 /	36.1374	1.2613	0.0303	72.0188
Supermarket	13.5317 /	12.4911	0.4419	0.0106	25.0618
Total		**514.7237**	**16.0032**	**0.3858**	**970.3758**

Mitigated

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	9.33781 /	8.2491	0.3049	7.3200e-	16.9199
Condo/Townhouse	7.4467 /	8.0194	0.2433	5.8700e-	14.9489
Convenience	6.67217 /	7.1453	0.2180	5.2600e-	13.3537
Free-Standing	19.4564 /	20.8361	0.6357	0.0153	38.9401
General Office	200.128 /	214.3199	6.5392	0.1577	400.5365
High Turnover (Sit	52.2654 /	46.1715	1.7066	0.0410	94.7040
Hotel	86.1264 /	77.4752	2.8124	0.0675	157.4643
Movie Theater (No	12.4504 /	10.9988	0.4065	9.7500e-	22.5599
Quality Restaurant	34.7572 /	30.7047	1.1349	0.0272	62.9794
Supermarket	12.1785 /	10.6217	0.3977	9.5400e-	21.9290
Total		**434.5417**	**14.3994**	**0.3465**	**844.3357**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Unmitigated	3,638.6211	215.0364	0.0000	8,154.3844
Mitigated	3,638.6211	215.0364	0.0000	8,154.3844

8.2 Waste by Land Use

Unmitigated

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	98.03	19.8992	1.1760	0.0000	44.5954
Condo/Townhouse	158.88	32.2512	1.9060	0.0000	72.2770
Convenience	189.48	38.4627	2.2731	0.0000	86.1975
Free-Standing	453.42	92.0402	5.4394	0.0000	206.2679
General Office	13473.4	2,734.9784	161.6326	0.0000	6,129.262
High Turnover (Sit	907.8	184.2752	10.8904	0.0000	412.9726
Hotel	1705.28	346.1564	20.4573	0.0000	775.7589
Movie Theater (No	130.71	26.5330	1.5681	0.0000	59.4621
Quality Restaurant	586.98	119.1516	7.0417	0.0000	267.0265
Supermarket	221.06	44.8732	2.6519	0.0000	100.5637
Total		**3,638.6211**	**215.0364**	**0.0000**	**8,154.384**

Mitigated

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	98.03	19.8992	1.1760	0.0000	44.5954
Condo/Townhouse	158.88	32.2512	1.9060	0.0000	72.2770
Convenience	189.48	38.4627	2.2731	0.0000	86.1975
Free-Standing	453.42	92.0402	5.4394	0.0000	206.2679
General Office	13473.4	2,734.9784	161.6326	0.0000	6,129.262
High Turnover (Sit	907.8	184.2752	10.8904	0.0000	412.9726
Hotel	1705.28	346.1564	20.4573	0.0000	775.7589
Movie Theater (No	130.71	26.5330	1.5681	0.0000	59.4621
Quality Restaurant	586.98	119.1516	7.0417	0.0000	267.0265
Supermarket	221.06	44.8732	2.6519	0.0000	100.5637
Total		**3,638.6211**	**215.0364**	**0.0000**	**8,154.384**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

City Place Operations Scheme B EIR Mitigated

Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	6,684.40	1000sqft	153.45	6,684,400.00	0
Arena	60.00	1000sqft	19.29	60,000.00	0
High Turnover (Sit Down Restaurant)	115.00	1000sqft	2.64	115,000.00	0
Hotel	750.00	Room	25.00	578,000.00	0
Movie Theater (No Matinee)	80.00	1000sqft	1.84	80,000.00	0
Quality Restaurant	130.00	1000sqft	2.98	130,000.00	0
Condo/Townhouse	200.00	Dwelling Unit	12.50	480,000.00	572
Convenience Market (24 Hour)	20.00	1000sqft	0.46	20,000.00	0
Free-Standing Discount Store	1,262.00	1000sqft	28.97	1,262,000.00	0
Supermarket	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	242	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Silicon Valley Power is utility (not in CalEEMod drop down). EF based on 2035 CAP reach goal.
Land Use - All onsite uses
Construction Phase - No construction, operations only
Vehicle Trips - Trip generation rates are from Fehr & Peers. Trip distance default Caleemod.
Vechicle Emission Factors -
Vechicle Emission Factors -
Vechicle Emission Factors -
Energy Use - Electricity not provided by land use type. Accordingly, all electricity modeled in the Arena category. Used average of all land uses to
Water And Wastewater - Total water consumption provided by Integral; indoor/outdoor calculated based on CalEEMod default %s

Solid Waste - Total water consumption provided by Integral
Area Mitigation - All NG hearth
Energy Mitigation - Solar PV; assumed to supply 29% of electricity consumption
Water Mitigation - Water reduction strategy per LEED certification; precent reduction from client based on anticipated onsite improvements (50%, same as
Waste Mitigation - Waste diversion program; percent reduction from client based on anticipated recycling/composting program

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	324000	135000
tblAreaCoating	Area_Residential_Interior	972000	405000
tblConstructionPhase	NumDays	300.00	1.00
tblEnergyUse	LightingElect	3.52	517.44
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	4.41	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	2.72	0.00
tblEnergyUse	LightingElect	3.52	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	7.65	0.00
tblEnergyUse	NT24E	3.70	1,595.35
tblEnergyUse	NT24E	3,125.85	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	3.22	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	30.13	0.00
tblEnergyUse	T24E	1.81	109.81
tblEnergyUse	T24E	184.25	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	7.46	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	2.50	0.00
tblEnergyUse	T24E	1.81	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	4.99	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	578,000.00
tblLandUse	LandUseSquareFeet	200,000.00	480,000.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	242

tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	1.65	98.03
tblSolidWaste	SolidWasteGenerationRate	92.00	158.88
tblSolidWaste	SolidWasteGenerationRate	60.10	189.48
tblSolidWaste	SolidWasteGenerationRate	5,427.48	453.42
tblSolidWaste	SolidWasteGenerationRate	6,216.49	13,473.40
tblSolidWaste	SolidWasteGenerationRate	1,368.50	907.80
tblSolidWaste	SolidWasteGenerationRate	410.63	1,705.28
tblSolidWaste	SolidWasteGenerationRate	456.00	130.71
tblSolidWaste	SolidWasteGenerationRate	118.63	586.98
tblSolidWaste	SolidWasteGenerationRate	197.40	221.06
tblVehicleTrips	DV_TP	0.28	28.00
tblVehicleTrips	PB_TP	0.60	6.00
tblVehicleTrips	PR_TP	0.66	66.00
tblVehicleTrips	ST_TR	10.71	82.00
tblVehicleTrips	ST_TR	7.16	5.30
tblVehicleTrips	ST_TR	863.10	12.00
tblVehicleTrips	ST_TR	71.07	20.71
tblVehicleTrips	ST_TR	2.37	0.76
tblVehicleTrips	ST_TR	158.37	167.57
tblVehicleTrips	ST_TR	8.19	5.00
tblVehicleTrips	ST_TR	80.00	81.88
tblVehicleTrips	ST_TR	94.36	75.92
tblVehicleTrips	ST_TR	177.59	124.86
tblVehicleTrips	SU_TR	10.71	28.67
tblVehicleTrips	SU_TR	6.07	2.65
tblVehicleTrips	SU_TR	758.45	7.00
tblVehicleTrips	SU_TR	56.36	10.97
tblVehicleTrips	SU_TR	0.98	0.38
tblVehicleTrips	SU_TR	131.84	58.70
tblVehicleTrips	SU_TR	5.95	1.75
tblVehicleTrips	SU_TR	80.00	28.63
tblVehicleTrips	SU_TR	72.16	26.54
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	WD_TR	10.71	16.33
tblVehicleTrips	WD_TR	6.59	5.35
tblVehicleTrips	WD_TR	737.99	88.50
tblVehicleTrips	WD_TR	57.24	30.29
tblVehicleTrips	WD_TR	11.01	9.82
tblVehicleTrips	WD_TR	127.15	128.61
tblVehicleTrips	WD_TR	8.17	7.08
tblVehicleTrips	WD_TR	80.00	16.38
tblVehicleTrips	WD_TR	89.95	47.38

tblVehicleTrips	WD_TR	102.24	75.71
tblWater	IndoorWaterUseRate	25,846,207.06	10,375,344.00
tblWater	IndoorWaterUseRate	13,030,805.12	8,274,112.00
tblWater	IndoorWaterUseRate	1,481,450.43	7,413,527.65
tblWater	IndoorWaterUseRate	93,479,522.11	21,618,185.85
tblWater	IndoorWaterUseRate	1,188,043,465.09	222,363,971.69
tblWater	IndoorWaterUseRate	34,906,376.93	58,072,680.56
tblWater	IndoorWaterUseRate	19,025,077.50	95,695,992.00
tblWater	IndoorWaterUseRate	32,128,116.94	13,833,792.00
tblWater	IndoorWaterUseRate	39,459,382.62	38,619,092.02
tblWater	IndoorWaterUseRate	4,314,387.52	13,531,680.84
tblWater	OutdoorWaterUseRate	1,649,757.90	662,256.00
tblWater	OutdoorWaterUseRate	8,215,072.80	5,216,288.00
tblWater	OutdoorWaterUseRate	907,985.75	4,543,775.02
tblWater	OutdoorWaterUseRate	57,293,900.65	13,249,855.84
tblWater	OutdoorWaterUseRate	728,155,672.15	136,287,595.55
tblWater	OutdoorWaterUseRate	2,228,066.61	3,706,766.84
tblWater	OutdoorWaterUseRate	2,113,897.50	10,632,888.00
tblWater	OutdoorWaterUseRate	2,050,730.87	883,008.00
tblWater	OutdoorWaterUseRate	2,518,684.00	2,465,048.43
tblWater	OutdoorWaterUseRate	133,434.67	418,505.61

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	4.3477	45.7415	35.8178	0.0415	0.1415	2.2932	2.4347	0.0375	2.1376	2.1751	0.0000	4,220.306	4,220.3065	1.1192	0.0000	4,243.8087
Total	**4.3477**	**45.7415**	**35.8178**	**0.0415**	**0.1415**	**2.2932**	**2.4347**	**0.0375**	**2.1376**	**2.1751**	**0.0000**	**4,220.306**	**4,220.3065**	**1.1192**	**0.0000**	**4,243.8087**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	4.3477	45.7415	35.8178	0.0415	0.1415	2.2932	2.4347	0.0375	2.1376	2.1751	0.0000	4,220.306	4,220.3065	1.1192	0.0000	4,243.8087
Total	**4.3477**	**45.7415**	**35.8178**	**0.0415**	**0.1415**	**2.2932**	**2.4347**	**0.0375**	**2.1376**	**2.1751**	**0.0000**	**4,220.306**	**4,220.3065**	**1.1192**	**0.0000**	**4,243.8087**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	299.5645	1.1586	104.3857	0.0362		12.4650	12.4650		12.4632	12.4632	1,285.727	2,749.357	4,035.0841	1.3033	0.1403	4,105.9421
Energy	6.0676	55.0969	45.8738	0.3310		4.1921	4.1921		4.1921	4.1921		66,191.63	66,191.639	1.2687	1.2135	66,594.470
Mobile	298.8589	462.0592	2,743.204	8.2805	615.2047	10.2473	625.4520	164.0352	9.4646	173.4998		585,349.9	585,349.98	16.9572		585,706.08
Total	**604.4910**	**518.3147**	**2,893.463**	**8.6477**	**615.2047**	**26.9045**	**642.1091**	**164.0352**	**26.1199**	**190.1551**	**1,285.727**	**654,290.9**	**655,576.71**	**19.5292**	**1.3538**	**656,406.50**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	229.3843	0.1981	17.4018	9.4000e-		0.3107	0.3107		0.3085	0.3085	0.0000	3,441.121	3,441.1218	0.0988	0.0625	3,462.5736
Energy	5.3392	48.4830	40.3700	0.2912		3.6889	3.6889		3.6889	3.6889		58,245.32	58,245.328	1.1164	1.0678	58,599.799
Mobile	298.8589	462.0592	2,743.204	8.2805	615.2047	10.2473	625.4520	164.0352	9.4646	173.4998		585,349.9	585,349.98	16.9572		585,706.08
Total	**533.5824**	**510.7403**	**2,800.976**	**8.5727**	**615.2047**	**14.2469**	**629.4516**	**164.0352**	**13.4619**	**177.4971**	**0.0000**	**647,036.4**	**647,036.43**	**18.1724**	**1.1303**	**647,768.46**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**11.73**	**1.46**	**3.20**	**0.87**	**0.00**	**47.05**	**1.97**	**0.00**	**48.46**	**6.66**	**100.00**	**1.11**	**1.30**	**6.95**	**16.51**	**1.32**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day				
Mitigated	298.8589	462.0592	2,743.204	8.2805	615.2047	10.2473	625.4520	164.0352	9.4646	173.4998		585,349.9	585,349.98	16.9572	585,706.08
Unmitigated	298.8589	462.0592	2,743.204	8.2805	615.2047	10.2473	625.4520	164.0352	9.4646	173.4998		585,349.9	585,349.98	16.9572	585,706.08

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	979.80	4,920.00	1720.20	3,201,205	3,201,205
Condo/Townhouse	1,070.00	1,060.00	530.00	2,213,231	2,213,231
Convenience Market (24 Hour)	1,770.00	240.00	140.00	1,004,194	1,004,194
Free-Standing Discount Store	38,225.98	26,136.02	13844.14	51,480,146	51,480,146
General Office Building	65,640.81	5,080.14	2540.07	114,648,138	114,648,138
High Turnover (Sit Down Restaurant)	14,790.15	19,270.55	6750.50	16,570,534	16,570,534
Hotel	5,310.00	3,750.00	1312.50	8,580,223	8,580,223
Movie Theater (No Matinee)	1,310.40	6,550.40	2290.40	4,140,657	4,140,657
Quality Restaurant	6,159.40	9,869.60	3450.20	7,475,698	7,475,698
Supermarket	2,649.85	4,370.10	0.00	2,863,002	2,863,002
Total	137,906.39	81,246.81	32,578.01	212,177,028	212,177,028

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Convenience Market (24 Hour)	9.50	7.30	7.30	0.90	80.10	19.00	24	15	61
Free-Standing Discount Store	9.50	7.30	7.30	12.20	68.80	19.00	47.5	35.5	17
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Movie Theater (No Matinee)	9.50	7.30	7.30	1.80	79.20	19.00	66	17	17
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552333	0.058808	0.184358	0.118913	0.029447	0.004459	0.013404	0.026791	0.001843	0.001224	0.006259	0.000436	0.001725

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24
Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas	5.3392	48.4830	40.3700	0.2912		3.6889	3.6889		3.6889	3.6889		58,245.32	58,245.328	1.1164	1.0678	58,599.799
NaturalGas	6.0676	55.0969	45.8738	0.3310		4.1921	4.1921		4.1921	4.1921		66,191.63	66,191.639	1.2687	1.2135	66,594.470

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience	136.438	1.4700e-	0.0134	0.0112	8.0000e-		1.0200e-	1.0200e-		1.0200e-	1.0200e-		16.0516	16.0516	3.1000e-	2.9000e-	16.1493
Free-Standing	8609.26	0.0928	0.8441	0.7090	5.0600e-		0.0642	0.0642		0.0642	0.0642		1,012.8542	1,012.854	0.0194	0.0186	1,019.0182
General Office	315357	3.4009	30.9174	25.9706	0.1855		2.3497	2.3497		2.3497	2.3497		37,100.843	37,100.84	0.7111	0.6802	37,326.633
High Turnover (Sit	66492.1	0.7171	6.5188	5.4758	0.0391		0.4954	0.4954		0.4954	0.4954		7,822.5947	7,822.594	0.1499	0.1434	7,870.2017
Hotel	73445.6	0.7921	7.2006	6.0485	0.0432		0.5472	0.5472		0.5472	0.5472		8,640.6575	8,640.657	0.1656	0.1584	8,693.2431
Movie Theater (No	6007.67	0.0648	0.5890	0.4948	3.5300e-		0.0448	0.0448		0.0448	0.0448		706.7849	706.7849	0.0136	0.0130	711.0862
Quality Restaurant	75164.9	0.8106	7.3691	6.1901	0.0442		0.5601	0.5601		0.5601	0.5601		8,842.9331	8,842.933	0.1695	0.1621	8,896.7497
Supermarket	2239.04	0.0242	0.2195	0.1844	1.3200e-		0.0167	0.0167		0.0167	0.0167		263.4166	263.4166	5.0500e-	4.8300e-	265.0197
Arena	4505.75	0.0486	0.4417	0.3711	2.6500e-		0.0336	0.0336		0.0336	0.0336		530.0886	530.0886	0.0102	9.7200e-	533.3147
Condo/Townhouse	10671	0.1151	0.9834	0.4185	6.2800e-		0.0795	0.0795		0.0795	0.0795		1,255.4140	1,255.414	0.0241	0.0230	1,263.0543
Total		**6.0676**	**55.0969**	**45.8738**	**0.3309**		**4.1921**	**4.1921**		**4.1921**	**4.1921**		**66,191.639**	**66,191.63**	**1.2687**	**1.2135**	**66,594.470**

Mitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Convenience	0.115973	1.2500e-	0.0114	9.5500e-	7.0000e-		8.6000e-	8.6000e-		8.6000e-	8.6000e-		13.6438	13.6438	2.6000e-	2.5000e-	13.7269
Free-Standing	7.31787	0.0789	0.7174	0.6027	4.3000e-		0.0545	0.0545		0.0545	0.0545		860.9260	860.9260	0.0165	0.0158	866.1655
General Office	268.218	2.8926	26.2959	22.0886	0.1578		1.9985	1.9985		1.9985	1.9985		31,555.108	31,555.10	0.6048	0.5785	31,747.147
High Turnover (Sit	63.4877	0.6847	6.2243	5.2284	0.0374		0.4731	0.4731		0.4731	0.4731		7,469.1434	7,469.143	0.1432	0.1369	7,514.5994
Hotel	63.557	0.6854	6.2311	5.2341	0.0374		0.4736	0.4736		0.4736	0.4736		7,477.2986	7,477.298	0.1433	0.1371	7,522.8042
Movie Theater (No	5.32581	0.0574	0.5221	0.4386	3.1300e-		0.0397	0.0397		0.0397	0.0397		626.5657	626.5657	0.0120	0.0115	630.3789
Quality Restaurant	71.7687	0.7740	7.0362	5.9104	0.0422		0.5348	0.5348		0.5348	0.5348		8,443.3795	8,443.379	0.1618	0.1548	8,494.7645
Supermarket	1.98647	0.0214	0.1948	0.1636	1.1700e-		0.0148	0.0148		0.0148	0.0148		233.7019	233.7019	4.4800e-	4.2800e-	235.1241
Arena	3.99436	0.0431	0.3916	0.3290	2.3500e-		0.0298	0.0298		0.0298	0.0298		469.9243	469.9243	9.0100e-	8.6200e-	472.7841
Condo/Townhouse	9.31291	0.1004	0.8583	0.3652	5.4800e-		0.0694	0.0694		0.0694	0.0694		1,095.6370	1,095.637	0.0210	0.0201	1,102.3048
Total		**5.3392**	**48.4830**	**40.3700**	**0.2912**		**3.6889**	**3.6889**		**3.6889**	**3.6889**		**58,245.328**	**58,245.32**	**1.1164**	**1.0678**	**58,599.799**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	229.3843	0.1981	17.4018	9.4000e-		0.3107	0.3107		0.3085	0.3085	0.0000	3,441.121	3,441.1218	0.0988	0.0625	3,462.5736
Unmitigated	299.5645	1.1586	104.3857	0.0362		12.4650	12.4650		12.4632	12.4632	1,285.727	2,749.357	4,035.0841	1.3033	0.1403	4,105.9421

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	26.3845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	202.1102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Hearth	70.4927	0.9605	87.0009	0.0353		12.3702	12.3702		12.3684	12.3684	1,285.727	2,717.647	4,003.3741	1.2699	0.1403	4,073.5294
Landscaping	0.5772	0.1981	17.3848	9.4000e-		0.0948	0.0948		0.0948	0.0948		31.7100	31.7100	0.0335		32.4127
Total	**299.5645**	**1.1586**	**104.3857**	**0.0362**		**12.4650**	**12.4650**		**12.4632**	**12.4632**	**1,285.727**	**2,749.357**	**4,035.0841**	**1.3033**	**0.1403**	**4,105.9421**

Mitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	26.3845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	202.1102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3125	1.0000e-	0.0171	0.0000		0.2159	0.2159		0.2137	0.2137	0.0000	3,409.411	3,409.4118	0.0654	0.0625	3,430.1609
Landscaping	0.5772	0.1981	17.3848	9.4000e-		0.0948	0.0948		0.0948	0.0948		31.7100	31.7100	0.0335		32.4127
Total	**229.3843**	**0.1981**	**17.4019**	**9.4000e-**		**0.3107**	**0.3107**		**0.3085**	**0.3085**	**0.0000**	**3,441.121**	**3,441.1217**	**0.0988**	**0.0625**	**3,462.5736**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

City Place Operations Scheme B EIR Mitigated

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	6,684.40	1000sqft	153.45	6,684,400.00	0
Arena	60.00	1000sqft	19.29	60,000.00	0
High Turnover (Sit Down Restaurant)	115.00	1000sqft	2.64	115,000.00	0
Hotel	750.00	Room	25.00	578,000.00	0
Movie Theater (No Matinee)	80.00	1000sqft	1.84	80,000.00	0
Quality Restaurant	130.00	1000sqft	2.98	130,000.00	0
Condo/Townhouse	200.00	Dwelling Unit	12.50	480,000.00	572
Convenience Market (24 Hour)	20.00	1000sqft	0.46	20,000.00	0
Free-Standing Discount Store	1,262.00	1000sqft	28.97	1,262,000.00	0
Supermarket	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	242	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Silicon Valley Power is utility (not in CalEEMod drop down). EF based on 2035 CAP reach goal.
Land Use - All onsite uses
Construction Phase - No construction, operations only
Vehicle Trips - Trip generation rates are from Fehr & Peers. Trip distance default Caleemod.
Vechicle Emission Factors -
Vechicle Emission Factors -
Vechicle Emission Factors -
Energy Use - Electricity not provided by land use type. Accordingly, all electricity modeled in the Arena category. Used average of all land uses to
Water And Wastewater - Total water consumption provided by Integral; indoor/outdoor calculated based on CalEEMod default %s

Solid Waste - Total water consumption provided by Integral
Area Mitigation - All NG hearth
Energy Mitigation - Solar PV; assumed to supply 29% of electricity consumption
Water Mitigation - Water reduction strategy per LEED certification; precent reduction from client based on anticipated onsite improvements (50%, same as
Waste Mitigation - Waste diversion program; percent reduction from client based on anticipated recycling/composting program

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	324000	135000
tblAreaCoating	Area_Residential_Interior	972000	405000
tblConstructionPhase	NumDays	300.00	1.00
tblEnergyUse	LightingElect	3.52	517.44
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	5.64	0.00
tblEnergyUse	LightingElect	4.41	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	2.72	0.00
tblEnergyUse	LightingElect	3.52	0.00
tblEnergyUse	LightingElect	5.80	0.00
tblEnergyUse	LightingElect	7.65	0.00
tblEnergyUse	NT24E	3.70	1,595.35
tblEnergyUse	NT24E	3,125.85	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	3.22	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	22.30	0.00
tblEnergyUse	NT24E	30.13	0.00
tblEnergyUse	T24E	1.81	109.81
tblEnergyUse	T24E	184.25	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	3.37	0.00
tblEnergyUse	T24E	7.46	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	2.50	0.00
tblEnergyUse	T24E	1.81	0.00
tblEnergyUse	T24E	6.19	0.00
tblEnergyUse	T24E	4.99	0.00
tblLandUse	LandUseSquareFeet	1,089,000.00	578,000.00
tblLandUse	LandUseSquareFeet	200,000.00	480,000.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	242

tblProjectCharacteristics	OperationalYear	2014	2030
tblSolidWaste	SolidWasteGenerationRate	1.65	98.03
tblSolidWaste	SolidWasteGenerationRate	92.00	158.88
tblSolidWaste	SolidWasteGenerationRate	60.10	189.48
tblSolidWaste	SolidWasteGenerationRate	5,427.48	453.42
tblSolidWaste	SolidWasteGenerationRate	6,216.49	13,473.40
tblSolidWaste	SolidWasteGenerationRate	1,368.50	907.80
tblSolidWaste	SolidWasteGenerationRate	410.63	1,705.28
tblSolidWaste	SolidWasteGenerationRate	456.00	130.71
tblSolidWaste	SolidWasteGenerationRate	118.63	586.98
tblSolidWaste	SolidWasteGenerationRate	197.40	221.06
tblVehicleTrips	DV_TP	0.28	28.00
tblVehicleTrips	PB_TP	0.60	6.00
tblVehicleTrips	PR_TP	0.66	66.00
tblVehicleTrips	ST_TR	10.71	82.00
tblVehicleTrips	ST_TR	7.16	5.30
tblVehicleTrips	ST_TR	863.10	12.00
tblVehicleTrips	ST_TR	71.07	20.71
tblVehicleTrips	ST_TR	2.37	0.76
tblVehicleTrips	ST_TR	158.37	167.57
tblVehicleTrips	ST_TR	8.19	5.00
tblVehicleTrips	ST_TR	80.00	81.88
tblVehicleTrips	ST_TR	94.36	75.92
tblVehicleTrips	ST_TR	177.59	124.86
tblVehicleTrips	SU_TR	10.71	28.67
tblVehicleTrips	SU_TR	6.07	2.65
tblVehicleTrips	SU_TR	758.45	7.00
tblVehicleTrips	SU_TR	56.36	10.97
tblVehicleTrips	SU_TR	0.98	0.38
tblVehicleTrips	SU_TR	131.84	58.70
tblVehicleTrips	SU_TR	5.95	1.75
tblVehicleTrips	SU_TR	80.00	28.63
tblVehicleTrips	SU_TR	72.16	26.54
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	WD_TR	10.71	16.33
tblVehicleTrips	WD_TR	6.59	5.35
tblVehicleTrips	WD_TR	737.99	88.50
tblVehicleTrips	WD_TR	57.24	30.29
tblVehicleTrips	WD_TR	11.01	9.82
tblVehicleTrips	WD_TR	127.15	128.61
tblVehicleTrips	WD_TR	8.17	7.08
tblVehicleTrips	WD_TR	80.00	16.38
tblVehicleTrips	WD_TR	89.95	47.38

tblVehicleTrips	WD_TR	102.24	75.71
tblWater	IndoorWaterUseRate	25,846,207.06	10,375,344.00
tblWater	IndoorWaterUseRate	13,030,805.12	8,274,112.00
tblWater	IndoorWaterUseRate	1,481,450.43	7,413,527.65
tblWater	IndoorWaterUseRate	93,479,522.11	21,618,185.85
tblWater	IndoorWaterUseRate	1,188,043,465.09	222,363,971.69
tblWater	IndoorWaterUseRate	34,906,376.93	58,072,680.56
tblWater	IndoorWaterUseRate	19,025,077.50	95,695,992.00
tblWater	IndoorWaterUseRate	32,128,116.94	13,833,792.00
tblWater	IndoorWaterUseRate	39,459,382.62	38,619,092.02
tblWater	IndoorWaterUseRate	4,314,387.52	13,531,680.84
tblWater	OutdoorWaterUseRate	1,649,757.90	662,256.00
tblWater	OutdoorWaterUseRate	8,215,072.80	5,216,288.00
tblWater	OutdoorWaterUseRate	907,985.75	4,543,775.02
tblWater	OutdoorWaterUseRate	57,293,900.65	13,249,855.84
tblWater	OutdoorWaterUseRate	728,155,672.15	136,287,595.55
tblWater	OutdoorWaterUseRate	2,228,066.61	3,706,766.84
tblWater	OutdoorWaterUseRate	2,113,897.50	10,632,888.00
tblWater	OutdoorWaterUseRate	2,050,730.87	883,008.00
tblWater	OutdoorWaterUseRate	2,518,684.00	2,465,048.43
tblWater	OutdoorWaterUseRate	133,434.67	418,505.61

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	2.1700e-	0.0229	0.0179	2.0000e-	7.0000e-	1.1500e-	1.2100e-	2.0000e-	1.0700e-	1.0900e-	0.0000	1.9150	1.9150	5.1000e-	0.0000	1.9257
Total	**2.1700e-**	**0.0229**	**0.0179**	**2.0000e-**	**7.0000e-**	**1.1500e-**	**1.2100e-**	**2.0000e-**	**1.0700e-**	**1.0900e-**	**0.0000**	**1.9150**	**1.9150**	**5.1000e-**	**0.0000**	**1.9257**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	2.1700e-	0.0229	0.0179	2.0000e-	7.0000e-	1.1500e-	1.2100e-	2.0000e-	1.0700e-	1.0900e-	0.0000	1.9150	1.9150	5.1000e-	0.0000	1.9257
Total	**2.1700e-**	**0.0229**	**0.0179**	**2.0000e-**	**7.0000e-**	**1.1500e-**	**1.2100e-**	**2.0000e-**	**1.0700e-**	**1.0900e-**	**0.0000**	**1.9150**	**1.9150**	**5.1000e-**	**0.0000**	**1.9257**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	41.9073	0.0205	1.7866	2.8000e-		0.0408	0.0408		0.0408	0.0408	3.2735	7.8773	11.1508	8.8100e-	2.7000e-	11.4204
Energy	1.1073	10.0552	8.3720	0.0604		0.7651	0.7651		0.7651	0.7651	0.0000	25,597.17	25,597.170	1.9642	0.5639	25,813.211
Mobile	36.9932	58.9322	328.0601	1.1080	78.7910	1.3543	80.1453	21.0675	1.2509	22.3184	0.0000	71,044.95	71,044.959	2.0352	0.0000	71,087.698
Waste						0.0000	0.0000		0.0000	0.0000	3,638.621	0.0000	3,638.6211	215.0364	0.0000	8,154.3844
Water						0.0000	0.0000		0.0000	0.0000	155.3904	359.3333	514.7237	16.0032	0.3858	970.3758
Total	**80.0079**	**69.0078**	**338.2186**	**1.1687**	**78.7910**	**2.1602**	**80.9512**	**21.0675**	**2.0568**	**23.1243**	**3,797.285**	**97,009.34**	**100,806.62**	**235.0477**	**0.9499**	**106,037.09**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	41.7529	0.0178	1.5647	8.0000e-		8.9900e-	8.9900e-		8.9900e-	8.9900e-	0.0000	9.2234	9.2234	2.8600e-	1.2000e-	9.3212
Energy	0.9744	8.8482	7.3675	0.0532		0.6732	0.6732		0.6732	0.6732	0.0000	19,959.40	19,959.409	1.4211	0.4326	20,123.347
Mobile	36.9932	58.9322	328.0601	1.1080	78.7910	1.3543	80.1453	21.0675	1.2509	22.3184	0.0000	71,044.95	71,044.959	2.0352	0.0000	71,087.698
Waste						0.0000	0.0000		0.0000	0.0000	1,819.310	0.0000	1,819.3106	107.5182	0.0000	4,077.1922
Water						0.0000	0.0000		0.0000	0.0000	139.8514	294.6903	434.5417	14.3994	0.3465	844.3357
Total	**79.7205**	**67.7982**	**336.9923**	**1.1612**	**78.7910**	**2.0365**	**80.8276**	**21.0675**	**1.9331**	**23.0006**	**1,959.162**	**91,308.28**	**93,267.444**	**125.3767**	**0.7792**	**96,141.894**

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent	**0.36**	**1.75**	**0.36**	**0.64**	**0.00**	**5.73**	**0.15**	**0.00**	**6.01**	**0.53**	**48.41**	**5.88**	**7.48**	**46.66**	**17.97**	**9.33**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	36.9932	58.9322	328.0601	1.1080	78.7910	1.3543	80.1453	21.0675	1.2509	22.3184	0.0000	71,044.95	71,044.959	2.0352	0.0000	71,087.698
Unmitigated	36.9932	58.9322	328.0601	1.1080	78.7910	1.3543	80.1453	21.0675	1.2509	22.3184	0.0000	71,044.95	71,044.959	2.0352	0.0000	71,087.698

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	979.80	4,920.00	1720.20	3,201,205	3,201,205
Condo/Townhouse	1,070.00	1,060.00	530.00	2,213,231	2,213,231
Convenience Market (24 Hour)	1,770.00	240.00	140.00	1,004,194	1,004,194
Free-Standing Discount Store	38,225.98	26,136.02	13844.14	51,480,146	51,480,146
General Office Building	65,640.81	5,080.14	2540.07	114,648,138	114,648,138
High Turnover (Sit Down Restaurant)	14,790.15	19,270.55	6750.50	16,570,534	16,570,534
Hotel	5,310.00	3,750.00	1312.50	8,580,223	8,580,223
Movie Theater (No Matinee)	1,310.40	6,550.40	2290.40	4,140,657	4,140,657
Quality Restaurant	6,159.40	9,869.60	3450.20	7,475,698	7,475,698
Supermarket	2,649.85	4,370.10	0.00	2,863,002	2,863,002
Total	137,906.39	81,246.81	32,578.01	212,177,028	212,177,028

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Convenience Market (24 Hour)	9.50	7.30	7.30	0.90	80.10	19.00	24	15	61
Free-Standing Discount Store	9.50	7.30	7.30	12.20	68.80	19.00	47.5	35.5	17
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Movie Theater (No Matinee)	9.50	7.30	7.30	1.80	79.20	19.00	66	17	17
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552333	0.058808	0.184358	0.118913	0.029447	0.004459	0.013404	0.026791	0.001843	0.001224	0.006259	0.000436	0.001725

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24
Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	10,316.24	10,316.241	1.2362	0.2558	10,421.493
Electricity						0.0000	0.0000		0.0000	0.0000	0.0000	14,638.40	14,638.401	1.7542	0.3629	14,787.749
NaturalGas	0.9744	8.8482	7.3675	0.0532		0.6732	0.6732		0.6732	0.6732	0.0000	9,643.167	9,643.1673	0.1848	0.1768	9,701.8540
NaturalGas	1.1073	10.0552	8.3720	0.0604		0.7651	0.7651		0.7651	0.7651	0.0000	10,958.76	10,958.768	0.2100	0.2009	11,025.461

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Convenience	49800	2.7000e-	2.4400e-	2.0500e-	1.0000e-		1.9000e-	1.9000e-		1.9000e-	1.9000e-	0.0000	2.6575	2.6575	5.0000e-	5.0000e-	2.6737
Free-Standing	3.14238e+	0.0169	0.1540	0.1294	9.2000e-		0.0117	0.0117		0.0117	0.0117	0.0000	167.6894	167.6894	3.2100e-	3.0700e-	168.7099
General Office	1.15105e+	0.6207	5.6424	4.7396	0.0339		0.4288	0.4288		0.4288	0.4288	0.0000	6,142.4608	6,142.460	0.1177	0.1126	6,179.8428
High Turnover (Sit	2.42696e+	0.1309	1.1897	0.9993	7.1400e-		0.0904	0.0904		0.0904	0.0904	0.0000	1,295.1183	1,295.118	0.0248	0.0237	1,303.0002
Hotel	2.68076e+	0.1446	1.3141	1.1038	7.8800e-		0.0999	0.0999		0.0999	0.0999	0.0000	1,430.5578	1,430.557	0.0274	0.0262	1,439.2639
Movie Theater (No	2.1928e+0	0.0118	0.1075	0.0903	6.4000e-		8.1700e-	8.1700e-		8.1700e-	8.1700e-	0.0000	117.0162	117.0162	2.2400e-	2.1500e-	117.7283
Quality Restaurant	2.74352e+	0.1479	1.3449	1.1297	8.0700e-		0.1022	0.1022		0.1022	0.1022	0.0000	1,464.0468	1,464.046	0.0281	0.0268	1,472.9567
Supermarket	817250	4.4100e-	0.0401	0.0337	2.4000e-		3.0400e-	3.0400e-		3.0400e-	3.0400e-	0.0000	43.6116	43.6116	8.4000e-	8.0000e-	43.8770
Arena	1.6446e+0	8.8700e-	0.0806	0.0677	4.8000e-		6.1300e-	6.1300e-		6.1300e-	6.1300e-	0.0000	87.7621	87.7621	1.6800e-	1.6100e-	88.2962

Condo/Townhouse	3.89492e+	0.0210	0.1795	0.0764	1.1500e-		0.0145	0.0145		0.0145	0.0145	0.0000	207.8479	207.8479	3.9800e-	3.8100e-	209.1128
Total		**1.1073**	**10.0552**	**8.3720**	**0.0604**		**0.7651**	**0.7651**		**0.7651**	**0.7651**	**0.0000**	**10,958.768**	**10,958.76**	**0.2100**	**0.2009**	**11,025.461**

Mitigated

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Convenience	42330	2.3000e-	2.0800e-	1.7400e-	1.0000e-		1.6000e-	1.6000e-		1.6000e-	1.6000e-	0.0000	2.2589	2.2589	4.0000e-	4.0000e-	2.2726
Free-Standing	2.67102e+	0.0144	0.1309	0.1100	7.9000e-		9.9500e-	9.9500e-		9.9500e-	9.9500e-	0.0000	142.5360	142.5360	2.7300e-	2.6100e-	143.4034
General Office	9.78997e+	0.5279	4.7990	4.0312	0.0288		0.3647	0.3647		0.3647	0.3647	0.0000	5,224.3020	5,224.302	0.1001	0.0958	5,256.0962
High Turnover (Sit	2.3173e+0	0.1250	1.1359	0.9542	6.8200e-		0.0863	0.0863		0.0863	0.0863	0.0000	1,236.6005	1,236.600	0.0237	0.0227	1,244.1262
Hotel	2.31983e+	0.1251	1.1372	0.9552	6.8200e-		0.0864	0.0864		0.0864	0.0864	0.0000	1,237.9507	1,237.950	0.0237	0.0227	1,245.4846
Movie Theater (No	1.94392e+	0.0105	0.0953	0.0800	5.7000e-		7.2400e-	7.2400e-		7.2400e-	7.2400e-	0.0000	103.7350	103.7350	1.9900e-	1.9000e-	104.3663
Quality Restaurant	2.61956e+	0.1413	1.2841	1.0786	7.7000e-		0.0976	0.0976		0.0976	0.0976	0.0000	1,397.8962	1,397.896	0.0268	0.0256	1,406.4035
Supermarket	725060	3.9100e-	0.0355	0.0299	2.1000e-		2.7000e-	2.7000e-		2.7000e-	2.7000e-	0.0000	38.6920	38.6920	7.4000e-	7.1000e-	38.9274
Arena	1.45794e+	7.8600e-	0.0715	0.0600	4.3000e-		5.4300e-	5.4300e-		5.4300e-	5.4300e-	0.0000	77.8012	77.8012	1.4900e-	1.4300e-	78.2747
Condo/Townhouse	3.39921e+	0.0183	0.1566	0.0667	1.0000e-		0.0127	0.0127		0.0127	0.0127	0.0000	181.3950	181.3950	3.4800e-	3.3300e-	182.4989
Total		**0.9744**	**8.8482**	**7.3675**	**0.0531**		**0.6732**	**0.6732**		**0.6732**	**0.6732**	**0.0000**	**9,643.1673**	**9,643.167**	**0.1848**	**0.1768**	**9,701.8540**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	1.33356e+	14,638.401	1.7542	0.3629	14,787.74
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Convenience	0	0.0000	0.0000	0.0000	0.0000
Free-Standing	0	0.0000	0.0000	0.0000	0.0000
General Office	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Movie Theater (No	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**14,638.401**	**1.7542**	**0.3629**	**14,787.74**

Mitigated

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	9.39811e+	10,316.241	1.2362	0.2558	10,421.49
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Convenience	0	0.0000	0.0000	0.0000	0.0000
Free-Standing	0	0.0000	0.0000	0.0000	0.0000
General Office	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Movie Theater (No	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**10,316.241**	**1.2362**	**0.2558**	**10,421.49**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	41.7529	0.0178	1.5647	8.0000e-		8.9900e-	8.9900e-		8.9900e-	8.9900e-	0.0000	9.2234	9.2234	2.8600e-	1.2000e-	9.3212
Unmitigated	41.9073	0.0205	1.7866	2.8000e-		0.0408	0.0408		0.0408	0.0408	3.2735	7.8773	11.1508	8.8100e-	2.7000e-	11.4204

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	4.8152					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Consumer	36.8851					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1551	2.6400e-	0.2219	1.9000e-		0.0323	0.0323		0.0323	0.0323	3.2735	5.2883	8.5618	6.0800e-	2.7000e-	8.7741
Landscaping	0.0519	0.0178	1.5646	8.0000e-		8.5300e-	8.5300e-		8.5300e-	8.5300e-	0.0000	2.5890	2.5890	2.7300e-	0.0000	2.6464
Total	**41.9073**	**0.0205**	**1.7866**	**2.7000e-**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**3.2735**	**7.8773**	**11.1508**	**8.8100e-**	**2.7000e-**	**11.4204**

Mitigated

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	4.8152					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	36.8851					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.7000e-	0.0000	4.0000e-	0.0000		4.6000e-	4.6000e-		4.6000e-	4.6000e-	0.0000	6.6344	6.6344	1.3000e-	1.2000e-	6.6748
Landscaping	0.0519	0.0178	1.5646	8.0000e-		8.5300e-	8.5300e-		8.5300e-	8.5300e-	0.0000	2.5890	2.5890	2.7300e-	0.0000	2.6464
Total	**41.7529**	**0.0178**	**1.5647**	**8.0000e-**		**8.9900e-**	**8.9900e-**		**8.9900e-**	**8.9900e-**	**0.0000**	**9.2234**	**9.2234**	**2.8600e-**	**1.2000e-**	**9.3212**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	434.5417	14.3994	0.3465	844.3357
Unmitigated	514.7237	16.0032	0.3858	970.3758

7.2 Water by Land Use

Unmitigated

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	10.3753 /	9.7086	0.3389	8.1400e-	19.3485
Condo/Townhouse	8.27411 /	9.5436	0.2704	6.5400e-	17.2495

Convenience	7.41353 /	8.5010	0.2423	5.8600e-	15.4050
Free-Standing	21.6182 /	24.7893	0.7066	0.0171	44.9215
General Office	222.364 /	254.9823	7.2678	0.1757	462.0615
High Turnover (Sit	58.0727 /	54.3409	1.8966	0.0456	108.2968
Hotel	95.696 /	91.2848	3.1256	0.0751	180.2146
Movie Theater (No	13.8338 /	12.9448	0.4518	0.0109	25.7979
Quality Restaurant	38.6191 /	36.1374	1.2613	0.0303	72.0188
Supermarket	13.5317 /	12.4911	0.4419	0.0106	25.0618
Total		**514.7237**	**16.0032**	**0.3858**	**970.3758**

Mitigated

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	9.33781 /	8.2491	0.3049	7.3200e-	16.9199
Condo/Townhouse	7.4467 /	8.0194	0.2433	5.8700e-	14.9489
Convenience	6.67217 /	7.1453	0.2180	5.2600e-	13.3537
Free-Standing	19.4564 /	20.8361	0.6357	0.0153	38.9401
General Office	200.128 /	214.3199	6.5392	0.1577	400.5365
High Turnover (Sit	52.2654 /	46.1715	1.7066	0.0410	94.7040
Hotel	86.1264 /	77.4752	2.8124	0.0675	157.4643
Movie Theater (No	12.4504 /	10.9988	0.4065	9.7500e-	22.5599
Quality Restaurant	34.7572 /	30.7047	1.1349	0.0272	62.9794
Supermarket	12.1785 /	10.6217	0.3977	9.5400e-	21.9290
Total		**434.5417**	**14.3994**	**0.3465**	**844.3357**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Unmitigated	3,638.6211	215.0364	0.0000	8,154.3844

Mitigated	1,819.3106	107.5182	0.0000	4,077.1922

8.2 Waste by Land Use

Unmitigated

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	98.03	19.8992	1.1760	0.0000	44.5954
Condo/Townhouse	158.88	32.2512	1.9060	0.0000	72.2770
Convenience	189.48	38.4627	2.2731	0.0000	86.1975
Free-Standing	453.42	92.0402	5.4394	0.0000	206.2679
General Office	13473.4	2,734.9784	161.6326	0.0000	6,129.262
High Turnover (Sit	907.8	184.2752	10.8904	0.0000	412.9726
Hotel	1705.28	346.1564	20.4573	0.0000	775.7589
Movie Theater (No	130.71	26.5330	1.5681	0.0000	59.4621
Quality Restaurant	586.98	119.1516	7.0417	0.0000	267.0265
Supermarket	221.06	44.8732	2.6519	0.0000	100.5637
Total		**3,638.6211**	**215.0364**	**0.0000**	**8,154.384**

Mitigated

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	49.015	9.9496	0.5880	0.0000	22.2977
Condo/Townhouse	79.44	16.1256	0.9530	0.0000	36.1385
Convenience	94.74	19.2314	1.1365	0.0000	43.0987
Free-Standing	226.71	46.0201	2.7197	0.0000	103.1340
General Office	6736.7	1,367.4892	80.8163	0.0000	3,064.631
High Turnover (Sit	453.9	92.1376	5.4452	0.0000	206.4863
Hotel	852.64	173.0782	10.2286	0.0000	387.8794
Movie Theater (No	65.355	13.2665	0.7840	0.0000	29.7310
Quality Restaurant	293.49	59.5758	3.5208	0.0000	133.5133
Supermarket	110.53	22.4366	1.3260	0.0000	50.2819
Total		**1,819.3106**	**107.5182**	**0.0000**	**4,077.192**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Construction Health Risk Assessment Sheets

DPM and PM2.5 Dispersion Modeling and Risk Assessment Methodology

Construction

TACs are a defined set of airborne pollutants that may pose a present or potential hazard to human health. BAAQMD has developed guidance for estimating risk and hazards impacts entitled *Recommended Methods for Screening and Modeling Local Risks and Hazards* that includes instructions on characterizing hazard and risk and mitigating impacts. BAAQMD recommends characterizing potential health effects associated with exposure to PM2.5 emissions as well as analyzing local community risk and hazard impacts associated with DPM exposure for both new sources and new receptors.

The project would generate TAC emissions near existing and new receptors. Thus, consistent with BAAQMD requirements, a risk and hazards impact assessment was performed using EPA's most recent dispersion model, AERMOD (version 14134), acute and chronic risk assessment values presented by OEHHA, as well as assumptions for model inputs from BAAQMD's *Recommended Methods for Screening and Modeling Local Risks and* Hazards (May 2012). The human health risk assessment (HRA) takes into account OEHHA's most recent *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Risk Assessments* guidance and calculation methods, which was adopted by OEHHA in March 2015 (OEHHA 2015). The risk and hazard assessment consists of three parts: a DPM and PM2.5 inventory, air dispersion modeling, and risk calculations. A description of each of these parts follows.

DPM and PM2.5 Inventory

The construction DPM and PM2.5 inventory uses the same methodology as the mass emissions analysis for estimating mass daily criteria pollutant emissions as previously discussed, and is based on the total PM10 exhaust emissions generated on-site. With respect to construction activities, all PM10 exhaust from off-road equipment during construction was assumed to be DPM and PM2.5 exhaust was estimated based on the proportion of PM10 that is PM2.5.

Air Dispersion Modeling

The HRA used EPA's AERMOD model, version 14134, to model annual DPM and PM2.5 concentrations at nearby receptors. Modeling inputs, including emission rate (in grams per second) and source characteristics (release height, initial dispersion, etc.) were based on published guidance from OEHHA, BAAQMD, and CAPCOA. Meteorological data was based on upper air data for Oakland[1] provided by BAAQMD and hourly observations obtained from NOAA[2] for the San Jose station.

DPM emissions were represented in AERMOD as a group of 40 meter wide adjacent volume sources, with initial lateral dimension set at 9. Meters, initial vertical dimension set at 1.4 meters, and release height set at 5 meters, which is consistent with the methodology employed by South Coast Air Quality Management District in developing its localized threshold guidance[3]. PM2.5 emissions were treated as ground-level area sources equal to the size of each phase of construction, with a 0 meter release height and 1.0 meter initial vertical dispersion.

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[1] Email from James Cordova at BAAQMD to Laura Yoon at ICF International on May 27, 2015.
[2] ftp://ftp.ncdc.noaa.gov/pub/data/asos-onemin/
[3] http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds

A receptor is defined as a point where a person may be located for a given period of time. With respect to risk and hazard cancer health effects, all locations where a person could be located for extended periods of time, such as a residence, park, or school, need to be identified. Pollutant concentrations at sensitive receptor locations both within the project area and offsite were assessed. A receptor grid was constructed that placed receptors at 100 meter spacing from the center of the Project area out to 1000 meter from the edges of the Project area. Once the grid was placed, all receptor locations shown in locations where persons would not be located for a given period of time, including roadways and commercial areas, were removed. Discrete receptor locations were placed at the fenceline of the park south of the Project area across Tasman Drive, as this park represents the closest receptors to the project area. Along with receptors within park areas, all receptors located along the various river running paths were treated as recreational receptors. All receptors were assigned a 0 meter receptor height to assess ground-level concentrations.

Risk Calculations

OEHHA has established health risk thresholds for both cancer and non-cancer health effects.

The BAAQMD recommends a maximum incremental cancer risk significance threshold of ten in one million (1.0 x 10-5) and recommends that other lead agencies use this significance threshold when approving permits for new or modified stationary sources. A cancer risk significance threshold of ten in one million (1.0 x 10-5) is also consistent with the threshold established by the State of California as a level posing no significant risk for exposures to carcinogens regulated under the Safe Drinking Water and Toxic Enforcement Act (Proposition 65).

The approach to estimating cancer risk from long-term inhalation exposure to carcinogens requires calculating a range of potential doses and multiplying by cancer potency factors in units of inverse dose to obtain a range of cancer risks. For cancer risk, the risk for each age group is calculated using the appropriate breathing rates (DBR), age sensitivity factors (ASFs), exposure duration (ED), and cancer risks calculated for individual age groups are summed to estimate cancer risk for the 9-, 30- and 70-year exposure durations OEHHA recommends. However, for purposes of analysis, cancer risks calculated for individual age groups at each receptor were summed using the

Chronic cancer and hazard risks were calculated for DPM according to the following steps:

1. Calculate dose:

$$\text{Dose-air} = C_{air} \times \{BR/BW\} \times A \times EF \times 10^{-6}$$

Where,

Dose-air	Dose through inhalation (mg/kg/d).
Cair	Concentration in air (μg/m^3)
{BR/BW}	Daily breathing rate normalized to body weight (L/kg body weight-day)
A	Inhalation absorption factor, 1.
EF	Exposure frequency (unitless), days/365 days
10^{-6}	micrograms to milligrams conversion; liters to cubic meters conversion

2. Calculate cancer risk.

$$Risk_{inh\text{-}res} = DOSE_{air} \times CPF \times ASF \times ED / AT \times FAH$$

Where,

$Risk_{inh\text{-}res}$	inhalation cancer risk
$DOSE_{air}$	daily inhalation dose (mg/kg-day)
CPF	Inhalation Cancer Potency Factor
ASF	Age Sensitivity Factor for a specified age group (unitless)
ED	Exposure Duration (in years) for a specified age group.
AT	Averaging Time for lifetime cancer risk
FAH	Fraction of time spent at home (unitless)

3. Calculate chronic hazard quotient:

$$\text{Chronic Hazard} = C_{air} / \text{Chronic REL}$$

Where,

Cair	Concentration in air (μg/m^3)
REL	Chronic Reference Exposure Level (REL); REL for DPM is 5.0.

4. Calculate PM2.5 concentrations:

$$\text{Annual PM2.5} = (Cair_{PM2.5e} + Cair_{PM2.5\ Dust}) \times EF$$

Where,

Cair, PM2.5e	PM2.5 exhaust concentration in air (μg/m^3)
Cair, PM2.5D	PM2.5 dust concentration in air (μg/m^3)
EF	Exposure frequency (unitless), days/365 days

OEHHA's 2015 update addresses accounts for the increased sensitivity to early-in-life exposure to carcinogens. **Table 1** summarizes key age-specific factors used in the HRA. OEHHA recommends risk to be analyzed for the following exposure durations (residency times): 30 years for the maximally exposed individual resident (MEIR); 9 years for central tendency; and 70 years for maximum lifetime. The 9-, 30-, and 70-year exposures are chosen to coincide with U.S. EPA's estimates of the average (9 years), high-end estimates (30-years) of residence time, and a lifetime residency (70 years) (OEHHA 2015, Page 8-6). For the maximally exposed individual worker (MEIW), OEHHA recommends using an exposure duration of 25 years to estimate individual cancer risk for the off-site worker scenario (OEHHA 2015, Page 8-7). With respects to the proposed project, the duration of exposure varies by receptor. For example, recreational receptors at the soccer fields south of the Project across Tasman Drive would be exposed to the entire construction period, whereas new onsite receptors would be exposed to construction of subsequent phases.

Table 2 summarizes exposure frequency, used in calculating Dose Inhalation (see Equation 1 above).

Table 1.Key Age-Specific Factors used in Health Risk Assessment

Factor	Age Group			
	3rd Trimester	0<2 years	2<9 years	2<16 years
Age Sensitivity Factors (ASF)[1]	10	10	3	3
Breathing Rates (DBR, BR/BW), Residential[2]	361	1090	631	572
Breathing Rates (DBR, BR/BW), Park[3]	0	1200	640	520
Breathing Rates (DBR, BR/BW), School[3]	0	1200	640	520
Breathing Rates (DBR, BR/BW, Daycare[4]	361	1200	640	520
Fraction of Time at Home (FAH) [5]	1.0	1.0	1.0	1.0
Exposure Duration (ED)				

[1] Based on Table 8.3, OEHHA 2015
[2] Based on Point Estimates of Residential Daily Breathing Rates, Table 5.6, 95th for 3rdtri-2yrs old; Table 5.7, 80th for other age groups (OEHHA 2015).
[3] Based on Eight-Hour Breathing Rate Point Estimates Moderate Activity, Table 5.8, 95th, moderate activity for all bins but 3rd tri; assume no 3rd tri receptors (OEHHA 2015).
[4] Daycare treated similar to schools; assume women of child bearing age are present at daycare facilities (for 3rd tri DBR) (OEHHA 2015)
[5] Based on Equation 8.2.4 A, OEHHA 2015
Source; OEHHA 2015.

Table 2. Exposure Frequency Assumptions

Receptor Type	Hours per Day	Days Per Year	Fraction of Time Exposed (EF)
Residential (on- and off-site) [1]	24	350	0.96
Recreational (parks and running paths) [2]	2	180	0.03
Schools [3]	6	180	0.12
Daycare (on-site) [4]	8	250	0.23

[1] Residential Exposure Frequency = (350 days/365 days per year) x (24 hours/24 hours per day)
[2] Park Exposure Frequency = (130 days/365 days per year) x (2 hours/24 hours per day)
[3] School Exposure Frequency = (180 days/365 days per year) x (6 hours/24 hours per day)
[4] Daycare Exposure Frequency = (250 days/365 days per year) x (8 hours/24 hours per day)

Operations

The project would create pollution sources on-site and as well as introduce new receptors to the project area which could be exposed to both existing and cumulative sources of TAC emissions. The operational risk assessment includes an assessment of TAC emissions from onsite generator and loading docks, whose location are unknown, and roadway diesel and air toxics.

DPM, PM2.5, and Toxics Inventory

The operational DPM, PM2.5, and toxics inventory from roadways used project and future year roadway volumes and both opening year 2030 and future year 2040 emission rates from EMFAC. PM10 exhaust from vehicles was assumed to be DPM and PM2.5 exhaust was estimated based on the proportion of PM10 that is PM2.5 in EMFAC. Air toxics were estimated based on speciation factors from the BAAQMD using TOG as the proxy for toxic emissions.

Air Dispersion Modeling

The operational roadway HRA used EPA's AERMOD model, version 14134, to model annual DPM and PM2.5 concentrations at nearby receptors. Modeling inputs, including emission rate (in grams per second) and source characteristics (release height, initial dispersion, etc.) were based on published guidance from OEHHA, BAAQMD, and CAPCOA. Meteorological data was based on upper air data for Oakland[4] provided by BAAQMD and hourly observations obtained from NOAA[5] for the San Jose station.

Roadway DPM and toxic emissions were represented in AERMOD as groups of line-area sources equal to the length and width of each roadway near the project site. For DPM, initial lateral dimension was set at 2.75 meter and release height was set at 2.93 meters, based on the EPA's PM Hotspot guidance. For air toxics, initial lateral dimension was set at 1.22 meter and release height was set at 1.32 meters, based on the EPA's PM Hotspot guidance.

The same receptor network used the construction HRA was used in the roadway HRA.

[4] Email from James Cordova at BAAQMD to Laura Yoon at ICF International on May 27, 2015.
[5] ftp://ftp.ncdc.noaa.gov/pub/data/asos-onemin/

Phase 1

PHASE:	Discrete Rec	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Year	Net ID
	1	1	1	1	1	1	1	1	1	1	1
1	offsite	589515	4139265	0.000176	5.92	5.92	0	ANNUAL	EXHPH1	5	
2	offsite	589615	4139265	0.000186	5.62	5.62	0	ANNUAL	EXHPH1	5	
3	offsite	591315	4139265	0.000472	6.86	8.3	0	ANNUAL	EXHPH1	5	
4	offsite	591415	4139265	0.000497	5.43	5.43	0	ANNUAL	EXHPH1	5	
5	offsite	591515	4139265	0.000518	6.27	6.27	0	ANNUAL	EXHPH1	5	
6	offsite	591615	4139265	0.000545	5.97	5.97	0	ANNUAL	EXHPH1	5	
7	offsite	591715	4139265	0.000573	5.85	5.85	0	ANNUAL	EXHPH1	5	
8	offsite	591815	4139265	0.0006	5.59	5.59	0	ANNUAL	EXHPH1	5	
9	offsite	591915	4139265	0.000623	5.85	5.85	0	ANNUAL	EXHPH1	5	
10	offsite	592015	4139265	0.00064	5.87	5.87	0	ANNUAL	EXHPH1	5	
11	offsite	592115	4139265	0.00065	6.12	6.12	0	ANNUAL	EXHPH1	5	
12	offsite	592215	4139265	0.000652	6.36	6.36	0	ANNUAL	EXHPH1	5	
13	offsite	592315	4139265	0.000645	5.73	5.73	0	ANNUAL	EXHPH1	5	
14	offsite	592415	4139265	0.000632	5.49	5.49	0	ANNUAL	EXHPH1	5	
15	offsite	592515	4139265	0.000612	6.15	6.15	0	ANNUAL	EXHPH1	5	
16	offsite	592615	4139265	0.000588	6.32	6.32	0	ANNUAL	EXHPH1	5	
17	offsite	592715	4139265	0.000559	5.4	5.4	0	ANNUAL	EXHPH1	5	
18	offsite	592815	4139265	0.000529	5.06	5.06	0	ANNUAL	EXHPH1	5	
19	offsite	589515	4139365	0.000183	5.9	5.9	0	ANNUAL	EXHPH1	5	
20	offsite	589615	4139365	0.000194	5.06	5.06	0	ANNUAL	EXHPH1	5	
21	offsite	591315	4139365	0.000567	3.3	8.4	0	ANNUAL	EXHPH1	5	
22	offsite	591415	4139365	0.000595	5.1	5.1	0	ANNUAL	EXHPH1	5	
23	offsite	591515	4139365	0.000625	6.23	6.23	0	ANNUAL	EXHPH1	5	
24	offsite	591615	4139365	0.000661	6.02	6.02	0	ANNUAL	EXHPH1	5	
25	offsite	591715	4139365	0.000697	5.84	5.84	0	ANNUAL	EXHPH1	5	
26	offsite	591815	4139365	0.000729	5.32	5.32	0	ANNUAL	EXHPH1	5	
27	offsite	591915	4139365	0.000751	5.31	5.31	0	ANNUAL	EXHPH1	5	
28	offsite	592015	4139365	0.000763	5.58	5.58	0	ANNUAL	EXHPH1	5	
29	offsite	592115	4139365	0.000765	5.75	5.75	0	ANNUAL	EXHPH1	5	
30	offsite	592215	4139365	0.000755	6.14	6.14	0	ANNUAL	EXHPH1	5	
31	offsite	592315	4139365	0.000735	5.39	5.39	0	ANNUAL	EXHPH1	5	
32	offsite	592415	4139365	0.000707	5.53	5.53	0	ANNUAL	EXHPH1	5	
33	offsite	592515	4139365	0.000673	5.1	5.1	0	ANNUAL	EXHPH1	5	
34	offsite	592615	4139365	0.000635	4.31	4.31	0	ANNUAL	EXHPH1	5	
35	offsite	592715	4139365	0.000596	4.33	4.33	0	ANNUAL	EXHPH1	5	
36	offsite	592815	4139365	0.000557	5.39	5.39	0	ANNUAL	EXHPH1	5	
37	offsite	589515	4139465	0.000191	5.24	5.24	0	ANNUAL	EXHPH1	5	
38	offsite	589615	4139465	0.000203	4.7	4.7	0	ANNUAL	EXHPH1	5	
39	offsite	591315	4139465	0.000684	6.05	6.05	0	ANNUAL	EXHPH1	5	
40	offsite	591415	4139465	0.000733	4.97	4.97	0	ANNUAL	EXHPH1	5	
41	offsite	591515	4139465	0.00078	4.87	4.87	0	ANNUAL	EXHPH1	5	
42	offsite	591615	4139465	0.000827	4.96	4.96	0	ANNUAL	EXHPH1	5	
43	offsite	591715	4139465	0.000865	5.96	5.96	0	ANNUAL	EXHPH1	5	
44	offsite	591815	4139465	0.000896	6.16	6.16	0	ANNUAL	EXHPH1	5	
45	offsite	591915	4139465	0.000914	5.77	5.77	0	ANNUAL	EXHPH1	5	
46	offsite	592015	4139465	0.000914	5.71	5.71	0	ANNUAL	EXHPH1	5	
47	offsite	592115	4139465	0.000898	5.19	5.19	0	ANNUAL	EXHPH1	5	
48	offsite	592215	4139465	0.00087	6.14	6.14	0	ANNUAL	EXHPH1	5	
49	offsite	592315	4139465	0.00083	5.42	5.42	0	ANNUAL	EXHPH1	5	
50	offsite	592415	4139465	0.000782	5.21	5.21	0	ANNUAL	EXHPH1	5	
51	offsite	592515	4139465	0.000732	5.84	5.84	0	ANNUAL	EXHPH1	5	
52	offsite	592615	4139465	0.000679	5.69	5.69	0	ANNUAL	EXHPH1	5	
53	offsite	592715	4139465	0.000625	4.29	4.29	0	ANNUAL	EXHPH1	5	
54	offsite	592815	4139465	0.000575	4.91	4.91	0	ANNUAL	EXHPH1	5	
55	offsite	589515	4139565	0.000198	5.51	5.51	0	ANNUAL	EXHPH1	5	
56	offsite	589615	4139565	0.000211	4.84	4.84	0	ANNUAL	EXHPH1	5	
57	offsite	591315	4139565	0.000866	5.22	5.22	0	ANNUAL	EXHPH1	5	
58	offsite	591415	4139565	0.000933	4.82	4.82	0	ANNUAL	EXHPH1	5	
59	offsite	591515	4139565	0.000999	4.93	4.93	0	ANNUAL	EXHPH1	5	
60	offsite	591615	4139565	0.001055	5.43	5.43	0	ANNUAL	EXHPH1	5	
61	offsite	591715	4139565	0.0011	4.86	4.86	0	ANNUAL	EXHPH1	5	
62	offsite	591815	4139565	0.00112	5.34	5.34	0	ANNUAL	EXHPH1	5	
63	offsite	591915	4139565	0.001118	5.62	5.62	0	ANNUAL	EXHPH1	5	
64	offsite	592015	4139565	0.001093	5.38	5.38	0	ANNUAL	EXHPH1	5	
65	offsite	592115	4139565	0.001047	4.71	4.71	0	ANNUAL	EXHPH1	5	
66	offsite	592215	4139565	0.00099	5.24	5.24	0	ANNUAL	EXHPH1	5	
67	offsite	592315	4139565	0.000922	5.06	5.06	0	ANNUAL	EXHPH1	5	
68	offsite	592415	4139565	0.000851	5.26	5.26	0	ANNUAL	EXHPH1	5	
69	offsite	592515	4139565	0.000779	5.15	5.15	0	ANNUAL	EXHPH1	5	
70	offsite	592615	4139565	0.00071	4.95	4.95	0	ANNUAL	EXHPH1	5	
71	offsite	592715	4139565	0.000644	4.73	4.73	0	ANNUAL	EXHPH1	5	
72	offsite	592815	4139565	0.000583	4.85	4.85	0	ANNUAL	EXHPH1	5	
73	offsite	589515	4139665	0.000205	5.19	5.19	0	ANNUAL	EXHPH1	5	
74	offsite	589615	4139665	0.00022	4.68	4.68	0	ANNUAL	EXHPH1	5	
75	offsite	591215	4139665	0.001026	7.12	7.94	0	ANNUAL	EXHPH1	5	
76	offsite	591315	4139665	0.001137	5.29	5.29	0	ANNUAL	EXHPH1	5	
77	offsite	591415	4139665	0.001238	4.55	4.55	0	ANNUAL	EXHPH1	5	
78	offsite	591515	4139665	0.001321	5.22	5.22	0	ANNUAL	EXHPH1	5	
79	offsite	591615	4139665	0.001385	4.77	4.77	0	ANNUAL	EXHPH1	5	
80	offsite	591715	4139665	0.001413	4.96	4.96	0	ANNUAL	EXHPH1	5	
81	offsite	591815	4139665	0.001405	4.79	4.79	0	ANNUAL	EXHPH1	5	
82	offsite	591915	4139665	0.001363	5.16	5.16	0	ANNUAL	EXHPH1	5	
83	offsite	592015	4139665	0.001291	4.25	4.25	0	ANNUAL	EXHPH1	5	
84	offsite	592115	4139665	0.001205	5.05	5.05	0	ANNUAL	EXHPH1	5	
85	offsite	592215	4139665	0.001107	5.18	5.18	0	ANNUAL	EXHPH1	5	
86	offsite	592315	4139665	0.001004	4.87	4.87	0	ANNUAL	EXHPH1	5	
87	offsite	592415	4139665	0.000906	5.23	5.23	0	ANNUAL	EXHPH1	5	
88	offsite	592515	4139665	0.000811	4.54	4.54	0	ANNUAL	EXHPH1	5	
89	offsite	592615	4139665	0.000725	4.65	4.65	0	ANNUAL	EXHPH1	5	
90	offsite	592715	4139665	0.000649	5.14	5.14	0	ANNUAL	EXHPH1	5	
91	offsite	592815	4139665	0.000579	4.42	4.42	0	ANNUAL	EXHPH1	5	
92	offsite	589515	4139765	0.000212	4.88	4.88	0	ANNUAL	EXHPH1	5	
93	offsite	589615	4139765	0.000228	5.59	5.59	0	ANNUAL	EXHPH1	5	
94	offsite	591415	4139765	0.001712	5.12	5.12	0	ANNUAL	EXHPH1	5	
95	offsite	591515	4139765	0.001807	5.43	5.43	0	ANNUAL	EXHPH1	5	
96	offsite	591615	4139765	0.001849	4.5	4.5	0	ANNUAL	EXHPH1	5	
97	offsite	591715	4139765	0.001829	4.68	4.68	0	ANNUAL	EXHPH1	5	
98	offsite	591815	4139765	0.001754	4.36	4.36	0	ANNUAL	EXHPH1	5	
99	offsite	591915	4139765	0.001643	4.98	4.98	0	ANNUAL	EXHPH1	5	
100	offsite	592015	4139765	0.001503	4.84	4.84	0	ANNUAL	EXHPH1	5	
101	offsite	592115	4139765	0.001353	4.78	4.78	0	ANNUAL	EXHPH1	5	
102	offsite	592215	4139765	0.001204	4.52	4.52	0	ANNUAL	EXHPH1	5	
103	offsite	592315	4139765	0.001064	4.27	4.27	0	ANNUAL	EXHPH1	5	
104	offsite	592415	4139765	0.000936	4.34	4.34	0	ANNUAL	EXHPH1	5	
105	offsite	592515	4139765	0.000822	3.7	3.7	0	ANNUAL	EXHPH1	5	
106	offsite	592615	4139765	0.000723	4.36	4.36	0	ANNUAL	EXHPH1	5	
107	offsite	592715	4139765	0.000637	4.37	4.37	0	ANNUAL	EXHPH1	5	
108	offsite	592815	4139765	0.000563	4.57	4.57	0	ANNUAL	EXHPH1	5	
109	offsite	589515	4139865	0.00022	4.37	4.37	0	ANNUAL	EXHPH1	5	
110	offsite	589615	4139865	0.000237	4.93	4.93	0	ANNUAL	EXHPH1	5	
111	offsite	591515	4139865	0.00254	4.77	4.77	0	ANNUAL	EXHPH1	5	
112	offsite	591615	4139865	0.00249	4.49	4.49	0	ANNUAL	EXHPH1	5	
113	offsite	591715	4139865	0.002356	4.75	4.75	0	ANNUAL	EXHPH1	5	
114	offsite	591815	4139865	0.002158	4.46	4.46	0	ANNUAL	EXHPH1	5	
115	offsite	591915	4139865	0.001931	4.63	4.63	0	ANNUAL	EXHPH1	5	
116	offsite	592015	4139865	0.001696	4.46	4.46	0	ANNUAL	EXHPH1	5	
117	offsite	592115	4139865	0.001472	4.47	4.47	0	ANNUAL	EXHPH1	5	
118	offsite	592215	4139865	0.001269	4.48	4.48	0	ANNUAL	EXHPH1	5	
119	offsite	592315	4139865	0.001091	4.36	4.36	0	ANNUAL	EXHPH1	5	
120	offsite	592415	4139865	0.000939	4.48	4.48	0	ANNUAL	EXHPH1	5	

Phase 2

PHASE:	Discrete Re	X	Y	Concentra	Elevation	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Year
	2	2	2	2	2	2	2	2	2	2
1	offsite	589515	4139265	0.000406	5.92	5.92	0	ANNUAL	EXHPH2	5
2	offsite	589615	4139265	0.000427	5.62	5.62	0	ANNUAL	EXHPH2	5
3	offsite	591315	4139265	0.000926	6.86	8.3	0	ANNUAL	EXHPH2	5
4	offsite	591415	4139265	0.000963	5.43	5.43	0	ANNUAL	EXHPH2	5
5	offsite	591515	4139265	0.001002	6.27	6.27	0	ANNUAL	EXHPH2	5
6	offsite	591615	4139265	0.001044	5.97	5.97	0	ANNUAL	EXHPH2	5
7	offsite	591715	4139265	0.001085	5.85	5.85	0	ANNUAL	EXHPH2	5
8	offsite	591815	4139265	0.001122	5.59	5.59	0	ANNUAL	EXHPH2	5
9	offsite	591915	4139265	0.001154	5.85	5.85	0	ANNUAL	EXHPH2	5
10	offsite	592015	4139265	0.001177	5.87	5.87	0	ANNUAL	EXHPH2	5
11	offsite	592115	4139265	0.001191	6.12	6.12	0	ANNUAL	EXHPH2	5
12	offsite	592215	4139265	0.001193	6.36	6.36	0	ANNUAL	EXHPH2	5
13	offsite	592315	4139265	0.001185	5.73	5.73	0	ANNUAL	EXHPH2	5
14	offsite	592415	4139265	0.001167	5.49	5.49	0	ANNUAL	EXHPH2	5
15	offsite	592515	4139265	0.00114	6.15	6.15	0	ANNUAL	EXHPH2	5
16	offsite	592615	4139265	0.001106	6.32	6.32	0	ANNUAL	EXHPH2	5
17	offsite	592715	4139265	0.001065	5.4	5.4	0	ANNUAL	EXHPH2	5
18	offsite	592815	4139265	0.00102	5.06	5.06	0	ANNUAL	EXHPH2	5
19	offsite	589515	4139365	0.000425	5.9	5.9	0	ANNUAL	EXHPH2	5
20	offsite	589615	4139365	0.000449	5.06	5.06	0	ANNUAL	EXHPH2	5
21	offsite	591315	4139365	0.001078	3.3	8.4	0	ANNUAL	EXHPH2	5
22	offsite	591415	4139365	0.001128	5.1	5.1	0	ANNUAL	EXHPH2	5
23	offsite	591515	4139365	0.001179	6.23	6.23	0	ANNUAL	EXHPH2	5
24	offsite	591615	4139365	0.001231	6.02	6.02	0	ANNUAL	EXHPH2	5
25	offsite	591715	4139365	0.001279	5.84	5.84	0	ANNUAL	EXHPH2	5
26	offsite	591815	4139365	0.001319	5.32	5.32	0	ANNUAL	EXHPH2	5
27	offsite	591915	4139365	0.001348	5.31	5.31	0	ANNUAL	EXHPH2	5
28	offsite	592015	4139365	0.001364	5.58	5.58	0	ANNUAL	EXHPH2	5
29	offsite	592115	4139365	0.001366	5.75	5.75	0	ANNUAL	EXHPH2	5
30	offsite	592215	4139365	0.001354	6.14	6.14	0	ANNUAL	EXHPH2	5
31	offsite	592315	4139365	0.001329	5.39	5.39	0	ANNUAL	EXHPH2	5
32	offsite	592415	4139365	0.001292	5.53	5.53	0	ANNUAL	EXHPH2	5
33	offsite	592515	4139365	0.001246	5.1	5.1	0	ANNUAL	EXHPH2	5
34	offsite	592615	4139365	0.001193	4.31	4.31	0	ANNUAL	EXHPH2	5
35	offsite	592715	4139365	0.001135	4.33	4.33	0	ANNUAL	EXHPH2	5
36	offsite	592815	4139365	0.001076	5.39	5.39	0	ANNUAL	EXHPH2	5
37	offsite	589515	4139465	0.000445	5.24	5.24	0	ANNUAL	EXHPH2	5
38	offsite	589615	4139465	0.000471	4.7	4.7	0	ANNUAL	EXHPH2	5
39	offsite	591315	4139465	0.001283	6.05	6.05	0	ANNUAL	EXHPH2	5
40	offsite	591415	4139465	0.00135	4.97	4.97	0	ANNUAL	EXHPH2	5
41	offsite	591515	4139465	0.001417	4.87	4.87	0	ANNUAL	EXHPH2	5
42	offsite	591615	4139465	0.001479	4.96	4.96	0	ANNUAL	EXHPH2	5
43	offsite	591715	4139465	0.00153	5.96	5.96	0	ANNUAL	EXHPH2	5
44	offsite	591815	4139465	0.001567	6.16	6.16	0	ANNUAL	EXHPH2	5
45	offsite	591915	4139465	0.001587	5.77	5.77	0	ANNUAL	EXHPH2	5
46	offsite	592015	4139465	0.001587	5.71	5.71	0	ANNUAL	EXHPH2	5
47	offsite	592115	4139465	0.001568	5.19	5.19	0	ANNUAL	EXHPH2	5
48	offsite	592215	4139465	0.001533	6.14	6.14	0	ANNUAL	EXHPH2	5
49	offsite	592315	4139465	0.001481	5.42	5.42	0	ANNUAL	EXHPH2	5
50	offsite	592415	4139465	0.001419	5.21	5.21	0	ANNUAL	EXHPH2	5
51	offsite	592515	4139465	0.00135	5.84	5.84	0	ANNUAL	EXHPH2	5
52	offsite	592615	4139465	0.001275	5.69	5.69	0	ANNUAL	EXHPH2	5
53	offsite	592715	4139465	0.001197	4.29	4.29	0	ANNUAL	EXHPH2	5
54	offsite	592815	4139465	0.00112	4.91	4.91	0	ANNUAL	EXHPH2	5
55	offsite	589515	4139565	0.000465	5.51	5.51	0	ANNUAL	EXHPH2	5
56	offsite	589615	4139565	0.000496	4.84	4.84	0	ANNUAL	EXHPH2	5
57	offsite	591315	4139565	0.001567	5.22	5.22	0	ANNUAL	EXHPH2	5
58	offsite	591415	4139565	0.001656	4.82	4.82	0	ANNUAL	EXHPH2	5
59	offsite	591515	4139565	0.001739	4.93	4.93	0	ANNUAL	EXHPH2	5
60	offsite	591615	4139565	0.001807	5.43	5.43	0	ANNUAL	EXHPH2	5
61	offsite	591715	4139565	0.001855	4.86	4.86	0	ANNUAL	EXHPH2	5
62	offsite	591815	4139565	0.001879	5.34	5.34	0	ANNUAL	EXHPH2	5
63	offsite	591915	4139565	0.001875	5.62	5.62	0	ANNUAL	EXHPH2	5
64	offsite	592015	4139565	0.001846	5.38	5.38	0	ANNUAL	EXHPH2	5
65	offsite	592115	4139565	0.001793	4.71	4.71	0	ANNUAL	EXHPH2	5
66	offsite	592215	4139565	0.001722	5.24	5.24	0	ANNUAL	EXHPH2	5
67	offsite	592315	4139565	0.001636	5.06	5.06	0	ANNUAL	EXHPH2	5
68	offsite	592415	4139565	0.001542	5.26	5.26	0	ANNUAL	EXHPH2	5
69	offsite	592515	4139565	0.001443	5.15	5.15	0	ANNUAL	EXHPH2	5
70	offsite	592615	4139565	0.001343	4.95	4.95	0	ANNUAL	EXHPH2	5
71	offsite	592715	4139565	0.001245	4.73	4.73	0	ANNUAL	EXHPH2	5
72	offsite	592815	4139565	0.00115	4.85	4.85	0	ANNUAL	EXHPH2	5
73	offsite	589515	4139665	0.000487	5.19	5.19	0	ANNUAL	EXHPH2	5
74	offsite	589615	4139665	0.000521	4.68	4.68	0	ANNUAL	EXHPH2	5
75	offsite	591215	4139665	0.001846	7.12	7.94	0	ANNUAL	EXHPH2	5
76	offsite	591315	4139665	0.001973	5.29	5.29	0	ANNUAL	EXHPH2	5
77	offsite	591415	4139665	0.002087	4.55	4.55	0	ANNUAL	EXHPH2	5
78	offsite	591515	4139665	0.00218	5.22	5.22	0	ANNUAL	EXHPH2	5
79	offsite	591615	4139665	0.002244	4.77	4.77	0	ANNUAL	EXHPH2	5
80	offsite	591715	4139665	0.002272	4.96	4.96	0	ANNUAL	EXHPH2	5
81	offsite	591815	4139665	0.002261	4.79	4.79	0	ANNUAL	EXHPH2	5
82	offsite	591915	4139665	0.002214	5.16	5.16	0	ANNUAL	EXHPH2	5
83	offsite	592015	4139665	0.002135	4.25	4.25	0	ANNUAL	EXHPH2	5
84	offsite	592115	4139665	0.002033	5.05	5.05	0	ANNUAL	EXHPH2	5
85	offsite	592215	4139665	0.001913	5.18	5.18	0	ANNUAL	EXHPH2	5
86	offsite	592315	4139665	0.001783	4.87	4.87	0	ANNUAL	EXHPH2	5
87	offsite	592415	4139665	0.00165	5.23	5.23	0	ANNUAL	EXHPH2	5
88	offsite	592515	4139665	0.001518	4.54	4.54	0	ANNUAL	EXHPH2	5
89	offsite	592615	4139665	0.001392	4.65	4.65	0	ANNUAL	EXHPH2	5
90	offsite	592715	4139665	0.001273	5.14	5.14	0	ANNUAL	EXHPH2	5
91	offsite	592815	4139665	0.001162	4.42	4.42	0	ANNUAL	EXHPH2	5
92	offsite	589515	4139765	0.000508	4.88	4.88	0	ANNUAL	EXHPH2	5
93	offsite	589615	4139765	0.000547	5.59	5.59	0	ANNUAL	EXHPH2	5
94	offsite	591415	4139765	0.002702	5.12	5.12	0	ANNUAL	EXHPH2	5
95	offsite	591515	4139765	0.002788	5.43	5.43	0	ANNUAL	EXHPH2	5
96	offsite	591615	4139765	0.002819	4.5	4.5	0	ANNUAL	EXHPH2	5
97	offsite	591715	4139765	0.002795	4.68	4.68	0	ANNUAL	EXHPH2	5
98	offsite	591815	4139765	0.002718	4.36	4.36	0	ANNUAL	EXHPH2	5
99	offsite	591915	4139765	0.002598	4.98	4.98	0	ANNUAL	EXHPH2	5
100	offsite	592015	4139765	0.002445	4.84	4.84	0	ANNUAL	EXHPH2	5
101	offsite	592115	4139765	0.002272	4.78	4.78	0	ANNUAL	EXHPH2	5
102	offsite	592215	4139765	0.00209	4.52	4.52	0	ANNUAL	EXHPH2	5
103	offsite	592315	4139765	0.001908	4.27	4.27	0	ANNUAL	EXHPH2	5
104	offsite	592415	4139765	0.001732	4.34	4.34	0	ANNUAL	EXHPH2	5
105	offsite	592515	4139765	0.001567	3.7	3.7	0	ANNUAL	EXHPH2	5
106	offsite	592615	4139765	0.001415	4.36	4.36	0	ANNUAL	EXHPH2	5
107	offsite	592715	4139765	0.001277	4.37	4.37	0	ANNUAL	EXHPH2	5
108	offsite	592815	4139765	0.001153	4.57	4.57	0	ANNUAL	EXHPH2	5
109	offsite	589515	4139865	0.00053	4.37	4.37	0	ANNUAL	EXHPH2	5
110	offsite	589615	4139865	0.000573	4.93	4.93	0	ANNUAL	EXHPH2	5
111	offsite	591515	4139865	0.003615	4.77	4.77	0	ANNUAL	EXHPH2	5
112	offsite	591615	4139865	0.003561	4.49	4.49	0	ANNUAL	EXHPH2	5
113	offsite	591715	4139865	0.003432	4.75	4.75	0	ANNUAL	EXHPH2	5
114	offsite	591815	4139865	0.003241	4.46	4.46	0	ANNUAL	EXHPH2	5
115	offsite	591915	4139865	0.003008	4.63	4.63	0	ANNUAL	EXHPH2	5
116	offsite	592015	4139865	0.002751	4.46	4.46	0	ANNUAL	EXHPH2	5
117	offsite	592115	4139865	0.00249	4.47	4.47	0	ANNUAL	EXHPH2	5
118	offsite	592215	4139865	0.002235	4.48	4.48	0	ANNUAL	EXHPH2	5
119	offsite	592315	4139865	0.001996	4.36	4.36	0	ANNUAL	EXHPH2	5
120	offsite	592415	4139865	0.001778	4.48	4.48	0	ANNUAL	EXHPH2	5

Phase 3

PHASE:	Discrete R	X	Y	Concentra	Elevation	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
	3	3	3	3	3	3	3	3	3	3
1	offsite	589515	4139265	9.25E-05	5.92	5.92	0	ANNUAL	EXHPH3	5
2	offsite	589615	4139265	9.65E-05	5.62	5.62	0	ANNUAL	EXHPH3	5
3	offsite	591315	4139265	0.000168	6.86	8.3	0	ANNUAL	EXHPH3	5
4	offsite	591415	4139265	0.000173	5.43	5.43	0	ANNUAL	EXHPH3	5
5	offsite	591515	4139265	0.000178	6.27	6.27	0	ANNUAL	EXHPH3	5
6	offsite	591615	4139265	0.000184	5.97	5.97	0	ANNUAL	EXHPH3	5
7	offsite	591715	4139265	0.00019	5.85	5.85	0	ANNUAL	EXHPH3	5
8	offsite	591815	4139265	0.000196	5.59	5.59	0	ANNUAL	EXHPH3	5
9	offsite	591915	4139265	0.000202	5.85	5.85	0	ANNUAL	EXHPH3	5
10	offsite	592015	4139265	0.000208	5.87	5.87	0	ANNUAL	EXHPH3	5
11	offsite	592115	4139265	0.000212	6.12	6.12	0	ANNUAL	EXHPH3	5
12	offsite	592215	4139265	0.000216	6.36	6.36	0	ANNUAL	EXHPH3	5
13	offsite	592315	4139265	0.000218	5.73	5.73	0	ANNUAL	EXHPH3	5
14	offsite	592415	4139265	0.000218	5.49	5.49	0	ANNUAL	EXHPH3	5
15	offsite	592515	4139265	0.000218	6.15	6.15	0	ANNUAL	EXHPH3	5
16	offsite	592615	4139265	0.000215	6.32	6.32	0	ANNUAL	EXHPH3	5
17	offsite	592715	4139265	0.000212	5.4	5.4	0	ANNUAL	EXHPH3	5
18	offsite	592815	4139265	0.000207	5.06	5.06	0	ANNUAL	EXHPH3	5
19	offsite	589515	4139365	9.68E-05	5.9	5.9	0	ANNUAL	EXHPH3	5
20	offsite	589615	4139365	0.000101	5.06	5.06	0	ANNUAL	EXHPH3	5
21	offsite	591315	4139365	0.000188	3.3	8.4	0	ANNUAL	EXHPH3	5
22	offsite	591415	4139365	0.000194	5.1	5.1	0	ANNUAL	EXHPH3	5
23	offsite	591515	4139365	0.000201	6.23	6.23	0	ANNUAL	EXHPH3	5
24	offsite	591615	4139365	0.000208	6.02	6.02	0	ANNUAL	EXHPH3	5
25	offsite	591715	4139365	0.000216	5.84	5.84	0	ANNUAL	EXHPH3	5
26	offsite	591815	4139365	0.000223	5.32	5.32	0	ANNUAL	EXHPH3	5
27	offsite	591915	4139365	0.00023	5.31	5.31	0	ANNUAL	EXHPH3	5
28	offsite	592015	4139365	0.000236	5.58	5.58	0	ANNUAL	EXHPH3	5
29	offsite	592115	4139365	0.00024	5.75	5.75	0	ANNUAL	EXHPH3	5
30	offsite	592215	4139365	0.000243	6.14	6.14	0	ANNUAL	EXHPH3	5
31	offsite	592315	4139365	0.000243	5.39	5.39	0	ANNUAL	EXHPH3	5
32	offsite	592415	4139365	0.000242	5.53	5.53	0	ANNUAL	EXHPH3	5
33	offsite	592515	4139365	0.000239	5.1	5.1	0	ANNUAL	EXHPH3	5
34	offsite	592615	4139365	0.000234	4.31	4.31	0	ANNUAL	EXHPH3	5
35	offsite	592715	4139365	0.000228	4.33	4.33	0	ANNUAL	EXHPH3	5
36	offsite	592815	4139365	0.000221	5.39	5.39	0	ANNUAL	EXHPH3	5
37	offsite	589515	4139465	0.000101	5.24	5.24	0	ANNUAL	EXHPH3	5
38	offsite	589615	4139465	0.000106	4.7	4.7	0	ANNUAL	EXHPH3	5
39	offsite	591315	4139465	0.000214	6.05	6.05	0	ANNUAL	EXHPH3	5
40	offsite	591415	4139465	0.000222	4.97	4.97	0	ANNUAL	EXHPH3	5
41	offsite	591515	4139465	0.00023	4.87	4.87	0	ANNUAL	EXHPH3	5
42	offsite	591615	4139465	0.00024	4.96	4.96	0	ANNUAL	EXHPH3	5
43	offsite	591715	4139465	0.000249	5.96	5.96	0	ANNUAL	EXHPH3	5
44	offsite	591815	4139465	0.000257	6.16	6.16	0	ANNUAL	EXHPH3	5
45	offsite	591915	4139465	0.000265	5.77	5.77	0	ANNUAL	EXHPH3	5
46	offsite	592015	4139465	0.00027	5.71	5.71	0	ANNUAL	EXHPH3	5
47	offsite	592115	4139465	0.000273	5.19	5.19	0	ANNUAL	EXHPH3	5
48	offsite	592215	4139465	0.000273	6.14	6.14	0	ANNUAL	EXHPH3	5
49	offsite	592315	4139465	0.000271	5.42	5.42	0	ANNUAL	EXHPH3	5
50	offsite	592415	4139465	0.000267	5.21	5.21	0	ANNUAL	EXHPH3	5
51	offsite	592515	4139465	0.000261	5.84	5.84	0	ANNUAL	EXHPH3	5
52	offsite	592615	4139465	0.000254	5.69	5.69	0	ANNUAL	EXHPH3	5
53	offsite	592715	4139465	0.000245	4.29	4.29	0	ANNUAL	EXHPH3	5
54	offsite	592815	4139465	0.000235	4.91	4.91	0	ANNUAL	EXHPH3	5
55	offsite	589515	4139565	0.000106	5.51	5.51	0	ANNUAL	EXHPH3	5
56	offsite	589615	4139565	0.000112	4.84	4.84	0	ANNUAL	EXHPH3	5
57	offsite	591315	4139565	0.000246	5.22	5.22	0	ANNUAL	EXHPH3	5
58	offsite	591415	4139565	0.000257	4.82	4.82	0	ANNUAL	EXHPH3	5
59	offsite	591515	4139565	0.000268	4.93	4.93	0	ANNUAL	EXHPH3	5
60	offsite	591615	4139565	0.00028	5.43	5.43	0	ANNUAL	EXHPH3	5
61	offsite	591715	4139565	0.000291	4.86	4.86	0	ANNUAL	EXHPH3	5
62	offsite	591815	4139565	0.0003	5.34	5.34	0	ANNUAL	EXHPH3	5
63	offsite	591915	4139565	0.000307	5.62	5.62	0	ANNUAL	EXHPH3	5
64	offsite	592015	4139565	0.00031	5.38	5.38	0	ANNUAL	EXHPH3	5
65	offsite	592115	4139565	0.000311	4.71	4.71	0	ANNUAL	EXHPH3	5
66	offsite	592215	4139565	0.000308	5.24	5.24	0	ANNUAL	EXHPH3	5
67	offsite	592315	4139565	0.000302	5.06	5.06	0	ANNUAL	EXHPH3	5
68	offsite	592415	4139565	0.000294	5.26	5.26	0	ANNUAL	EXHPH3	5
69	offsite	592515	4139565	0.000284	5.15	5.15	0	ANNUAL	EXHPH3	5
70	offsite	592615	4139565	0.000273	4.95	4.95	0	ANNUAL	EXHPH3	5
71	offsite	592715	4139565	0.00026	4.73	4.73	0	ANNUAL	EXHPH3	5
72	offsite	592815	4139565	0.000247	4.85	4.85	0	ANNUAL	EXHPH3	5
73	offsite	589515	4139665	0.000111	5.19	5.19	0	ANNUAL	EXHPH3	5
74	offsite	589615	4139665	0.000118	4.68	4.68	0	ANNUAL	EXHPH3	5
75	offsite	591215	4139665	0.000276	7.12	7.94	0	ANNUAL	EXHPH3	5
76	offsite	591315	4139665	0.00029	5.29	5.29	0	ANNUAL	EXHPH3	5
77	offsite	591415	4139665	0.000304	4.55	4.55	0	ANNUAL	EXHPH3	5
78	offsite	591515	4139665	0.000319	5.22	5.22	0	ANNUAL	EXHPH3	5
79	offsite	591615	4139665	0.000333	4.77	4.77	0	ANNUAL	EXHPH3	5
80	offsite	591715	4139665	0.000345	4.96	4.96	0	ANNUAL	EXHPH3	5
81	offsite	591815	4139665	0.000353	4.79	4.79	0	ANNUAL	EXHPH3	5
82	offsite	591915	4139665	0.000358	5.16	5.16	0	ANNUAL	EXHPH3	5
83	offsite	592015	4139665	0.000358	4.25	4.25	0	ANNUAL	EXHPH3	5
84	offsite	592115	4139665	0.000354	5.05	5.05	0	ANNUAL	EXHPH3	5
85	offsite	592215	4139665	0.000346	5.18	5.18	0	ANNUAL	EXHPH3	5
86	offsite	592315	4139665	0.000335	4.87	4.87	0	ANNUAL	EXHPH3	5
87	offsite	592415	4139665	0.000321	5.23	5.23	0	ANNUAL	EXHPH3	5
88	offsite	592515	4139665	0.000306	4.54	4.54	0	ANNUAL	EXHPH3	5
89	offsite	592615	4139665	0.00029	4.65	4.65	0	ANNUAL	EXHPH3	5
90	offsite	592715	4139665	0.000273	5.14	5.14	0	ANNUAL	EXHPH3	5
91	offsite	592815	4139665	0.000256	4.42	4.42	0	ANNUAL	EXHPH3	5
92	offsite	589515	4139765	0.000117	4.88	4.88	0	ANNUAL	EXHPH3	5
93	offsite	589615	4139765	0.000125	5.59	5.59	0	ANNUAL	EXHPH3	5
94	offsite	591415	4139765	0.000368	5.12	5.12	0	ANNUAL	EXHPH3	5
95	offsite	591515	4139765	0.000386	5.43	5.43	0	ANNUAL	EXHPH3	5
96	offsite	591615	4139765	0.000402	4.5	4.5	0	ANNUAL	EXHPH3	5
97	offsite	591715	4139765	0.000413	4.68	4.68	0	ANNUAL	EXHPH3	5
98	offsite	591815	4139765	0.000419	4.36	4.36	0	ANNUAL	EXHPH3	5
99	offsite	591915	4139765	0.000418	4.98	4.98	0	ANNUAL	EXHPH3	5
100	offsite	592015	4139765	0.000412	4.84	4.84	0	ANNUAL	EXHPH3	5
101	offsite	592115	4139765	0.000401	4.78	4.78	0	ANNUAL	EXHPH3	5
102	offsite	592215	4139765	0.000386	4.52	4.52	0	ANNUAL	EXHPH3	5
103	offsite	592315	4139765	0.000367	4.27	4.27	0	ANNUAL	EXHPH3	5
104	offsite	592415	4139765	0.000347	4.34	4.34	0	ANNUAL	EXHPH3	5
105	offsite	592515	4139765	0.000326	3.7	3.7	0	ANNUAL	EXHPH3	5
106	offsite	592615	4139765	0.000304	4.36	4.36	0	ANNUAL	EXHPH3	5
107	offsite	592715	4139765	0.000283	4.37	4.37	0	ANNUAL	EXHPH3	5
108	offsite	592815	4139765	0.000263	4.57	4.57	0	ANNUAL	EXHPH3	5
109	offsite	589515	4139865	0.000123	4.37	4.37	0	ANNUAL	EXHPH3	5
110	offsite	589615	4139865	0.000131	4.93	4.93	0	ANNUAL	EXHPH3	5
111	offsite	591515	4139865	0.000478	4.77	4.77	0	ANNUAL	EXHPH3	5
112	offsite	591615	4139865	0.000493	4.49	4.49	0	ANNUAL	EXHPH3	5
113	offsite	591715	4139865	0.0005	4.75	4.75	0	ANNUAL	EXHPH3	5
114	offsite	591815	4139865	0.000499	4.46	4.46	0	ANNUAL	EXHPH3	5
115	offsite	591915	4139865	0.000489	4.63	4.63	0	ANNUAL	EXHPH3	5
116	offsite	592015	4139865	0.000472	4.46	4.46	0	ANNUAL	EXHPH3	5
117	offsite	592115	4139865	0.00045	4.47	4.47	0	ANNUAL	EXHPH3	5
118	offsite	592215	4139865	0.000425	4.48	4.48	0	ANNUAL	EXHPH3	5
119	offsite	592315	4139865	0.000397	4.36	4.36	0	ANNUAL	EXHPH3	5
120	offsite	592415	4139865	0.000369	4.48	4.48	0	ANNUAL	EXHPH3	5

Phase 4

PHASE:	Discrete R	X	Y	Concentra	Elevation	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
	4	4	4	4	4	4	4	4	4	4
1	offsite	589515	4139265	0.000175	5.92	5.92	0	ANNUAL	EXHPH4	5
2	offsite	589615	4139265	0.000184	5.62	5.62	0	ANNUAL	EXHPH4	5
3	offsite	591315	4139265	0.000343	6.86	8.3	0	ANNUAL	EXHPH4	5
4	offsite	591415	4139265	0.000357	5.43	5.43	0	ANNUAL	EXHPH4	5
5	offsite	591515	4139265	0.00037	6.27	6.27	0	ANNUAL	EXHPH4	5
6	offsite	591615	4139265	0.000382	5.97	5.97	0	ANNUAL	EXHPH4	5
7	offsite	591715	4139265	0.000392	5.85	5.85	0	ANNUAL	EXHPH4	5
8	offsite	591815	4139265	0.000398	5.59	5.59	0	ANNUAL	EXHPH4	5
9	offsite	591915	4139265	0.000401	5.85	5.85	0	ANNUAL	EXHPH4	5
10	offsite	592015	4139265	0.0004	5.87	5.87	0	ANNUAL	EXHPH4	5
11	offsite	592115	4139265	0.000396	6.12	6.12	0	ANNUAL	EXHPH4	5
12	offsite	592215	4139265	0.000389	6.36	6.36	0	ANNUAL	EXHPH4	5
13	offsite	592315	4139265	0.000379	5.73	5.73	0	ANNUAL	EXHPH4	5
14	offsite	592415	4139265	0.000366	5.49	5.49	0	ANNUAL	EXHPH4	5
15	offsite	592515	4139265	0.000353	6.15	6.15	0	ANNUAL	EXHPH4	5
16	offsite	592615	4139265	0.000338	6.32	6.32	0	ANNUAL	EXHPH4	5
17	offsite	592715	4139265	0.000323	5.4	5.4	0	ANNUAL	EXHPH4	5
18	offsite	592815	4139265	0.000307	5.06	5.06	0	ANNUAL	EXHPH4	5
19	offsite	589515	4139365	0.000186	5.9	5.9	0	ANNUAL	EXHPH4	5
20	offsite	589615	4139365	0.000196	5.06	5.06	0	ANNUAL	EXHPH4	5
21	offsite	591315	4139365	0.000398	3.3	8.4	0	ANNUAL	EXHPH4	5
22	offsite	591415	4139365	0.000415	5.1	5.1	0	ANNUAL	EXHPH4	5
23	offsite	591515	4139365	0.00043	6.23	6.23	0	ANNUAL	EXHPH4	5
24	offsite	591615	4139365	0.000443	6.02	6.02	0	ANNUAL	EXHPH4	5
25	offsite	591715	4139365	0.000451	5.84	5.84	0	ANNUAL	EXHPH4	5
26	offsite	591815	4139365	0.000454	5.32	5.32	0	ANNUAL	EXHPH4	5
27	offsite	591915	4139365	0.000453	5.31	5.31	0	ANNUAL	EXHPH4	5
28	offsite	592015	4139365	0.000447	5.58	5.58	0	ANNUAL	EXHPH4	5
29	offsite	592115	4139365	0.000437	5.75	5.75	0	ANNUAL	EXHPH4	5
30	offsite	592215	4139365	0.000424	6.14	6.14	0	ANNUAL	EXHPH4	5
31	offsite	592315	4139365	0.000408	5.39	5.39	0	ANNUAL	EXHPH4	5
32	offsite	592415	4139365	0.000391	5.53	5.53	0	ANNUAL	EXHPH4	5
33	offsite	592515	4139365	0.000372	5.1	5.1	0	ANNUAL	EXHPH4	5
34	offsite	592615	4139365	0.000353	4.31	4.31	0	ANNUAL	EXHPH4	5
35	offsite	592715	4139365	0.000333	4.33	4.33	0	ANNUAL	EXHPH4	5
36	offsite	592815	4139365	0.000314	5.39	5.39	0	ANNUAL	EXHPH4	5
37	offsite	589515	4139465	0.000197	5.24	5.24	0	ANNUAL	EXHPH4	5
38	offsite	589615	4139465	0.000209	4.7	4.7	0	ANNUAL	EXHPH4	5
39	offsite	591315	4139465	0.000471	6.05	6.05	0	ANNUAL	EXHPH4	5
40	offsite	591415	4139465	0.000491	4.97	4.97	0	ANNUAL	EXHPH4	5
41	offsite	591515	4139465	0.000507	4.87	4.87	0	ANNUAL	EXHPH4	5
42	offsite	591615	4139465	0.000517	4.96	4.96	0	ANNUAL	EXHPH4	5
43	offsite	591715	4139465	0.000522	5.96	5.96	0	ANNUAL	EXHPH4	5
44	offsite	591815	4139465	0.000519	6.16	6.16	0	ANNUAL	EXHPH4	5
45	offsite	591915	4139465	0.000511	5.77	5.77	0	ANNUAL	EXHPH4	5
46	offsite	592015	4139465	0.000497	5.71	5.71	0	ANNUAL	EXHPH4	5
47	offsite	592115	4139465	0.000479	5.19	5.19	0	ANNUAL	EXHPH4	5
48	offsite	592215	4139465	0.000459	6.14	6.14	0	ANNUAL	EXHPH4	5
49	offsite	592315	4139465	0.000436	5.42	5.42	0	ANNUAL	EXHPH4	5
50	offsite	592415	4139465	0.000412	5.21	5.21	0	ANNUAL	EXHPH4	5
51	offsite	592515	4139465	0.000388	5.84	5.84	0	ANNUAL	EXHPH4	5
52	offsite	592615	4139465	0.000364	5.69	5.69	0	ANNUAL	EXHPH4	5
53	offsite	592715	4139465	0.00034	4.29	4.29	0	ANNUAL	EXHPH4	5
54	offsite	592815	4139465	0.000318	4.91	4.91	0	ANNUAL	EXHPH4	5
55	offsite	589515	4139565	0.00021	5.51	5.51	0	ANNUAL	EXHPH4	5
56	offsite	589615	4139565	0.000224	4.84	4.84	0	ANNUAL	EXHPH4	5
57	offsite	591315	4139565	0.000567	5.22	5.22	0	ANNUAL	EXHPH4	5
58	offsite	591415	4139565	0.000589	4.82	4.82	0	ANNUAL	EXHPH4	5
59	offsite	591515	4139565	0.000603	4.93	4.93	0	ANNUAL	EXHPH4	5
60	offsite	591615	4139565	0.000608	5.43	5.43	0	ANNUAL	EXHPH4	5
61	offsite	591715	4139565	0.000604	4.86	4.86	0	ANNUAL	EXHPH4	5
62	offsite	591815	4139565	0.000592	5.34	5.34	0	ANNUAL	EXHPH4	5
63	offsite	591915	4139565	0.000573	5.62	5.62	0	ANNUAL	EXHPH4	5
64	offsite	592015	4139565	0.000548	5.38	5.38	0	ANNUAL	EXHPH4	5
65	offsite	592115	4139565	0.00052	4.71	4.71	0	ANNUAL	EXHPH4	5
66	offsite	592215	4139565	0.00049	5.24	5.24	0	ANNUAL	EXHPH4	5
67	offsite	592315	4139565	0.000459	5.06	5.06	0	ANNUAL	EXHPH4	5
68	offsite	592415	4139565	0.000429	5.26	5.26	0	ANNUAL	EXHPH4	5
69	offsite	592515	4139565	0.000399	5.15	5.15	0	ANNUAL	EXHPH4	5
70	offsite	592615	4139565	0.00037	4.95	4.95	0	ANNUAL	EXHPH4	5
71	offsite	592715	4139565	0.000343	4.73	4.73	0	ANNUAL	EXHPH4	5
72	offsite	592815	4139565	0.000318	4.85	4.85	0	ANNUAL	EXHPH4	5
73	offsite	589515	4139665	0.000224	5.19	5.19	0	ANNUAL	EXHPH4	5
74	offsite	589615	4139665	0.000241	4.68	4.68	0	ANNUAL	EXHPH4	5
75	offsite	591215	4139665	0.000665	7.12	7.94	0	ANNUAL	EXHPH4	5
76	offsite	591315	4139665	0.000697	5.29	5.29	0	ANNUAL	EXHPH4	5
77	offsite	591415	4139665	0.000716	4.55	4.55	0	ANNUAL	EXHPH4	5
78	offsite	591515	4139665	0.000722	5.22	5.22	0	ANNUAL	EXHPH4	5
79	offsite	591615	4139665	0.000715	4.77	4.77	0	ANNUAL	EXHPH4	5
80	offsite	591715	4139665	0.000697	4.96	4.96	0	ANNUAL	EXHPH4	5
81	offsite	591815	4139665	0.000669	4.79	4.79	0	ANNUAL	EXHPH4	5
82	offsite	591915	4139665	0.000635	5.16	5.16	0	ANNUAL	EXHPH4	5
83	offsite	592015	4139665	0.000596	4.25	4.25	0	ANNUAL	EXHPH4	5
84	offsite	592115	4139665	0.000556	5.05	5.05	0	ANNUAL	EXHPH4	5
85	offsite	592215	4139665	0.000516	5.18	5.18	0	ANNUAL	EXHPH4	5
86	offsite	592315	4139665	0.000476	4.87	4.87	0	ANNUAL	EXHPH4	5
87	offsite	592415	4139665	0.000439	5.23	5.23	0	ANNUAL	EXHPH4	5
88	offsite	592515	4139665	0.000403	4.54	4.54	0	ANNUAL	EXHPH4	5
89	offsite	592615	4139665	0.000371	4.65	4.65	0	ANNUAL	EXHPH4	5
90	offsite	592715	4139665	0.000341	5.14	5.14	0	ANNUAL	EXHPH4	5
91	offsite	592815	4139665	0.000313	4.42	4.42	0	ANNUAL	EXHPH4	5
92	offsite	589515	4139765	0.000239	4.88	4.88	0	ANNUAL	EXHPH4	5
93	offsite	589615	4139765	0.00026	5.59	5.59	0	ANNUAL	EXHPH4	5
94	offsite	591415	4139765	0.000877	5.12	5.12	0	ANNUAL	EXHPH4	5
95	offsite	591515	4139765	0.000865	5.43	5.43	0	ANNUAL	EXHPH4	5
96	offsite	591615	4139765	0.000836	4.5	4.5	0	ANNUAL	EXHPH4	5
97	offsite	591715	4139765	0.000795	4.68	4.68	0	ANNUAL	EXHPH4	5
98	offsite	591815	4139765	0.000746	4.36	4.36	0	ANNUAL	EXHPH4	5
99	offsite	591915	4139765	0.000692	4.98	4.98	0	ANNUAL	EXHPH4	5
100	offsite	592015	4139765	0.000638	4.84	4.84	0	ANNUAL	EXHPH4	5
101	offsite	592115	4139765	0.000584	4.78	4.78	0	ANNUAL	EXHPH4	5
102	offsite	592215	4139765	0.000533	4.52	4.52	0	ANNUAL	EXHPH4	5
103	offsite	592315	4139765	0.000485	4.27	4.27	0	ANNUAL	EXHPH4	5
104	offsite	592415	4139765	0.000441	4.34	4.34	0	ANNUAL	EXHPH4	5
105	offsite	592515	4139765	0.000401	3.7	3.7	0	ANNUAL	EXHPH4	5
106	offsite	592615	4139765	0.000365	4.36	4.36	0	ANNUAL	EXHPH4	5
107	offsite	592715	4139765	0.000333	4.37	4.37	0	ANNUAL	EXHPH4	5
108	offsite	592815	4139765	0.000305	4.57	4.57	0	ANNUAL	EXHPH4	5
109	offsite	589515	4139865	0.000256	4.37	4.37	0	ANNUAL	EXHPH4	5
110	offsite	589615	4139865	0.00028	4.93	4.93	0	ANNUAL	EXHPH4	5
111	offsite	591515	4139865	0.001027	4.77	4.77	0	ANNUAL	EXHPH4	5
112	offsite	591615	4139865	0.000964	4.49	4.49	0	ANNUAL	EXHPH4	5
113	offsite	591715	4139865	0.000891	4.75	4.75	0	ANNUAL	EXHPH4	5
114	offsite	591815	4139865	0.000814	4.46	4.46	0	ANNUAL	EXHPH4	5
115	offsite	591915	4139865	0.000739	4.63	4.63	0	ANNUAL	EXHPH4	5
116	offsite	592015	4139865	0.000666	4.46	4.46	0	ANNUAL	EXHPH4	5
117	offsite	592115	4139865	0.000599	4.47	4.47	0	ANNUAL	EXHPH4	5
118	offsite	592215	4139865	0.000538	4.48	4.48	0	ANNUAL	EXHPH4	5
119	offsite	592315	4139865	0.000483	4.36	4.36	0	ANNUAL	EXHPH4	5
120	offsite	592415	4139865	0.000435	4.48	4.48	0	ANNUAL	EXHPH4	5

Phase 1

	Discrete Rec	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin F	Source Gr	Num Year	Net ID
PHASE:	1	1	1	1	1	1	1	1	1	1	1
121	offsite	592515	4139865	0.000809	4.63	4.63	0	ANNUAL	EXHPH1	5	
122	offsite	592615	4139865	0.000701	4.54	4.54	0	ANNUAL	EXHPH1	5	
123	offsite	592715	4139865	0.00061	4.54	4.54	0	ANNUAL	EXHPH1	5	
124	offsite	592815	4139865	0.000535	4.38	4.38	0	ANNUAL	EXHPH1	5	
125	offsite	589515	4139965	0.000227	4.37	4.37	0	ANNUAL	EXHPH1	5	
126	offsite	589615	4139965	0.000245	4.9	4.9	0	ANNUAL	EXHPH1	5	
127	offsite	591715	4139965	0.002974	4.36	4.36	0	ANNUAL	EXHPH1	5	
128	offsite	591815	4139965	0.002584	4.84	4.84	0	ANNUAL	EXHPH1	5	
129	offsite	591915	4139965	0.002193	4.6	4.6	0	ANNUAL	EXHPH1	5	
130	offsite	592015	4139965	0.001843	4.72	4.72	0	ANNUAL	EXHPH1	5	
131	offsite	592115	4139965	0.001538	4.36	4.36	0	ANNUAL	EXHPH1	5	
132	offsite	592215	4139965	0.001285	4.14	4.14	0	ANNUAL	EXHPH1	5	
133	offsite	592315	4139965	0.001077	4.47	4.47	0	ANNUAL	EXHPH1	5	
134	offsite	592415	4139965	0.000908	4.26	4.26	0	ANNUAL	EXHPH1	5	
135	offsite	592515	4139965	0.000772	4.63	4.63	0	ANNUAL	EXHPH1	5	
136	offsite	592615	4139965	0.000661	4.36	4.36	0	ANNUAL	EXHPH1	5	
137	offsite	592715	4139965	0.000572	3.54	3.54	0	ANNUAL	EXHPH1	5	
138	offsite	592815	4139965	0.000499	4.3	4.3	0	ANNUAL	EXHPH1	5	
139	offsite	589515	4140065	0.000234	4.7	4.7	0	ANNUAL	EXHPH1	5	
140	offsite	589615	4140065	0.000253	5.41	5.41	0	ANNUAL	EXHPH1	5	
141	offsite	591715	4140065	0.003628	4.47	4.47	0	ANNUAL	EXHPH1	5	
142	offsite	591815	4140065	0.002942	3.9	3.9	0	ANNUAL	EXHPH1	5	
143	offsite	591915	4140065	0.002368	4.58	4.58	0	ANNUAL	EXHPH1	5	
144	offsite	592015	4140065	0.001898	4.35	4.35	0	ANNUAL	EXHPH1	5	
145	offsite	592115	4140065	0.00153	4.67	4.67	0	ANNUAL	EXHPH1	5	
146	offsite	592215	4140065	0.001243	4.42	4.42	0	ANNUAL	EXHPH1	5	
147	offsite	592315	4140065	0.001021	4.14	4.14	0	ANNUAL	EXHPH1	5	
148	offsite	592415	4140065	0.000849	4.07	4.07	0	ANNUAL	EXHPH1	5	
149	offsite	592515	4140065	0.000715	4.31	4.31	0	ANNUAL	EXHPH1	5	
150	offsite	592615	4140065	0.000609	3.48	3.48	0	ANNUAL	EXHPH1	5	
151	offsite	592715	4140065	0.000523	6.47	6.66	0	ANNUAL	EXHPH1	5	
152	offsite	592815	4140065	0.000457	5.61	5.61	0	ANNUAL	EXHPH1	5	
153	offsite	591715	4140165	0.004175	4.28	4.28	0	ANNUAL	EXHPH1	5	
154	offsite	591815	4140165	0.00315	3.21	3.21	0	ANNUAL	EXHPH1	5	
155	offsite	591915	4140165	0.002391	3.79	3.79	0	ANNUAL	EXHPH1	5	
156	offsite	592015	4140165	0.00184	3.33	3.33	0	ANNUAL	EXHPH1	5	
157	offsite	592115	4140165	0.001439	3.67	3.67	0	ANNUAL	EXHPH1	5	
158	offsite	592215	4140165	0.001147	4.34	4.34	0	ANNUAL	EXHPH1	5	
159	offsite	592315	4140165	0.00093	4.72	4.72	0	ANNUAL	EXHPH1	5	
160	offsite	592415	4140165	0.000769	4.28	4.28	0	ANNUAL	EXHPH1	5	
161	offsite	592515	4140165	0.000645	3.84	3.84	0	ANNUAL	EXHPH1	5	
162	offsite	592615	4140165	0.00055	4.39	4.39	0	ANNUAL	EXHPH1	5	
163	offsite	592715	4140165	0.000474	5.53	5.53	0	ANNUAL	EXHPH1	5	
164	offsite	592815	4140165	0.000414	5.91	8.68	0	ANNUAL	EXHPH1	5	
165	park	591315	4140265	0.018832	3.69	3.69	0	ANNUAL	EXHPH1	5	
166	park	591415	4140265	0.013551	3.92	3.92	0	ANNUAL	EXHPH1	5	
167	offsite	591615	4140265	0.006471	4.63	4.63	0	ANNUAL	EXHPH1	5	
168	offsite	591715	4140265	0.004426	4.75	4.75	0	ANNUAL	EXHPH1	5	
169	offsite	591815	4140265	0.003094	3.38	3.38	0	ANNUAL	EXHPH1	5	
170	park	591915	4140265	0.002236	3.74	3.74	0	ANNUAL	EXHPH1	5	
171	offsite	592015	4140265	0.001669	2.77	2.77	0	ANNUAL	EXHPH1	5	
172	offsite	592115	4140265	0.001284	4.19	4.19	0	ANNUAL	EXHPH1	5	
173	offsite	592215	4140265	0.001015	4.17	4.17	0	ANNUAL	EXHPH1	5	
174	offsite	592315	4140265	0.000822	4.02	4.02	0	ANNUAL	EXHPH1	5	
175	offsite	592415	4140265	0.00068	3.28	3.28	0	ANNUAL	EXHPH1	5	
176	offsite	592515	4140265	0.000574	3.87	3.87	0	ANNUAL	EXHPH1	5	
177	offsite	592615	4140265	0.000492	4.61	4.61	0	ANNUAL	EXHPH1	5	
178	path	592715	4140265	0.000424	7.42	8.59	0	ANNUAL	EXHPH1	5	
179	path	592815	4140265	0.000378	4	8.68	0	ANNUAL	EXHPH1	5	
180	Phase2	590915	4140365	0.013293	5.73	5.73	0	ANNUAL	EXHPH1	5	
181	Phase1	591015	4140365	0.064884	5.56	5.56	0	ANNUAL	EXHPH1	5	
182	Phase1	591115	4140365	0.122002	3.47	3.47	0	ANNUAL	EXHPH1	5	
183	Phase1	591215	4140365	0.097457	4.5	7.04	0	ANNUAL	EXHPH1	5	
184	park	591415	4140365	0.022414	3.64	13.54	0	ANNUAL	EXHPH1	5	
185	offsite	591615	4140365	0.006743	4.61	4.61	0	ANNUAL	EXHPH1	5	
186	school	591715	4140365	0.004142	4.76	4.76	0	ANNUAL	EXHPH1	5	
187	school	591815	4140365	0.002741	3.34	3.34	0	ANNUAL	EXHPH1	5	
188	school	591915	4140365	0.001929	3.51	3.51	0	ANNUAL	EXHPH1	5	
189	offsite	592015	4140365	0.001427	3.24	3.24	0	ANNUAL	EXHPH1	5	
190	offsite	592115	4140365	0.001098	2.61	2.61	0	ANNUAL	EXHPH1	5	
191	offsite	592215	4140365	0.000873	3.46	3.46	0	ANNUAL	EXHPH1	5	
192	offsite	592315	4140365	0.000714	3.12	3.12	0	ANNUAL	EXHPH1	5	
193	offsite	592415	4140365	0.000597	3.86	3.86	0	ANNUAL	EXHPH1	5	
194	offsite	592515	4140365	0.000509	3.6	3.6	0	ANNUAL	EXHPH1	5	
195	offsite	592615	4140365	0.000441	3.76	8.53	0	ANNUAL	EXHPH1	5	
196	path	592715	4140365	0.000388	3.63	8.57	0	ANNUAL	EXHPH1	5	
197	Phase2	590815	4140465	0.004752	7.69	7.69	0	ANNUAL	EXHPH1	5	
198	Phase2	590915	4140465	0.009134	2.98	8.04	0	ANNUAL	EXHPH1	5	
199	Phase2	591015	4140465	0.018676	8.67	10.34	0	ANNUAL	EXHPH1	5	
200	Phase2	591115	4140465	0.041204	6.33	6.33	0	ANNUAL	EXHPH1	5	
201	Phase1	591215	4140465	0.082051	4.21	4.21	0	ANNUAL	EXHPH1	5	
202	Phase1	591315	4140465	0.116748	3.82	13.54	0	ANNUAL	EXHPH1	5	
203	offsite	591515	4140465	0.0132	8.62	12.23	0	ANNUAL	EXHPH1	5	
204	offsite	591615	4140465	0.00578	3.6	3.6	0	ANNUAL	EXHPH1	5	
205	offsite	591715	4140465	0.003363	3.18	3.18	0	ANNUAL	EXHPH1	5	
206	school	591815	4140465	0.002209	3.2	3.2	0	ANNUAL	EXHPH1	5	
207	offsite	591915	4140465	0.001569	2.66	2.66	0	ANNUAL	EXHPH1	5	
208	offsite	592015	4140465	0.001179	2.88	2.88	0	ANNUAL	EXHPH1	5	
209	offsite	592115	4140465	0.000924	3.2	3.2	0	ANNUAL	EXHPH1	5	
210	offsite	592215	4140465	0.000748	3.08	3.08	0	ANNUAL	EXHPH1	5	
211	offsite	592315	4140465	0.000621	3.11	3.11	0	ANNUAL	EXHPH1	5	
212	offsite	592415	4140465	0.000527	3.68	5.55	0	ANNUAL	EXHPH1	5	
213	offsite	592515	4140465	0.000456	3.89	3.89	0	ANNUAL	EXHPH1	5	
214	path	592615	4140465	0.000399	3.63	8.47	0	ANNUAL	EXHPH1	5	
215	path	592715	4140465	0.000354	5.15	8.52	0	ANNUAL	EXHPH1	5	
216	Phase4	590615	4140565	0.001883	2.81	6.9	0	ANNUAL	EXHPH1	5	
217	Phase4	590715	4140565	0.002669	7.46	7.46	0	ANNUAL	EXHPH1	5	
218	Phase2	590815	4140565	0.003954	7.28	8.15	0	ANNUAL	EXHPH1	5	
219	Phase2	590915	4140565	0.006022	7.4	7.4	0	ANNUAL	EXHPH1	5	
220	Phase2	591015	4140565	0.009618	9.93	9.93	0	ANNUAL	EXHPH1	5	
221	Phase2	591115	4140565	0.013521	9.16	9.16	0	ANNUAL	EXHPH1	5	
222	Phase2	591215	4140565	0.019497	8.96	8.96	0	ANNUAL	EXHPH1	5	
223	Phase2	591315	4140565	0.034663	4.72	7.76	0	ANNUAL	EXHPH1	5	
224	offsite	591715	4140565	0.002482	3.05	3.05	0	ANNUAL	EXHPH1	5	
225	offsite	591815	4140565	0.001711	3.45	3.45	0	ANNUAL	EXHPH1	5	
226	offsite	591915	4140565	0.001264	3.37	3.37	0	ANNUAL	EXHPH1	5	
227	offsite	592015	4140565	0.00098	2.35	2.35	0	ANNUAL	EXHPH1	5	
228	offsite	592115	4140565	0.000788	3.13	3.13	0	ANNUAL	EXHPH1	5	
229	offsite	592215	4140565	0.000651	2.74	3.01	0	ANNUAL	EXHPH1	5	
230	offsite	592315	4140565	0.00055	3.18	3.18	0	ANNUAL	EXHPH1	5	
231	offsite	592415	4140565	0.000474	3.07	8.42	0	ANNUAL	EXHPH1	5	
232	path	592515	4140565	0.000414	3.32	8.4	0	ANNUAL	EXHPH1	5	
233	path	592615	4140565	0.000362	7.45	8.26	0	ANNUAL	EXHPH1	5	
234	Phase4	590515	4140665	0.001354	6.23	7.85	0	ANNUAL	EXHPH1	5	
235	Phase4	590615	4140665	0.001758	7.56	9.05	0	ANNUAL	EXHPH1	5	
236	Phase4	590715	4140665	0.002324	7.51	8.57	0	ANNUAL	EXHPH1	5	
237	Phase3	590815	4140665	0.003101	5.96	5.96	0	ANNUAL	EXHPH1	5	
238	Phase3	590915	4140665	0.00413	8.13	8.13	0	ANNUAL	EXHPH1	5	
239	Phase2	591015	4140665	0.005683	9.54	9.54	0	ANNUAL	EXHPH1	5	
240	Phase2	591115	4140665	0.006725	8.35	8.35	0	ANNUAL	EXHPH1	5	

Phase 2

	Discrete Re	X	Y	Concentra	Elevation	Hill Height	Flagpole (z	Averagin F	Source Gr	Num Years
PHASE:	2	2	2	2	2	2	2	2	2	2
121	offsite	592515	4139865	0.001582	4.63	4.63	0	ANNUAL	EXHPH2	5
122	offsite	592615	4139865	0.001409	4.54	4.54	0	ANNUAL	EXHPH2	5
123	offsite	592715	4139865	0.001256	4.54	4.54	0	ANNUAL	EXHPH2	5
124	offsite	592815	4139865	0.001124	4.38	4.38	0	ANNUAL	EXHPH2	5
125	offsite	589515	4139965	0.000551	4.37	4.37	0	ANNUAL	EXHPH2	5
126	offsite	589615	4139965	0.000599	4.9	4.9	0	ANNUAL	EXHPH2	5
127	offsite	591715	4139965	0.004173	4.36	4.36	0	ANNUAL	EXHPH2	5
128	offsite	591815	4139965	0.003803	4.84	4.84	0	ANNUAL	EXHPH2	5
129	offsite	591915	4139965	0.00341	4.6	4.6	0	ANNUAL	EXHPH2	5
130	offsite	592015	4139965	0.003022	4.72	4.72	0	ANNUAL	EXHPH2	5
131	offsite	592115	4139965	0.002657	4.36	4.36	0	ANNUAL	EXHPH2	5
132	offsite	592215	4139965	0.002326	4.14	4.14	0	ANNUAL	EXHPH2	5
133	offsite	592315	4139965	0.002033	4.47	4.47	0	ANNUAL	EXHPH2	5
134	offsite	592415	4139965	0.001778	4.26	4.26	0	ANNUAL	EXHPH2	5
135	offsite	592515	4139965	0.001559	4.63	4.63	0	ANNUAL	EXHPH2	5
136	offsite	592615	4139965	0.001371	4.36	4.36	0	ANNUAL	EXHPH2	5
137	offsite	592715	4139965	0.00121	3.54	3.54	0	ANNUAL	EXHPH2	5
138	offsite	592815	4139965	0.001075	4.3	4.3	0	ANNUAL	EXHPH2	5
139	offsite	589515	4140065	0.000572	4.7	4.7	0	ANNUAL	EXHPH2	5
140	offsite	589615	4140065	0.000626	5.41	5.41	0	ANNUAL	EXHPH2	5
141	offsite	591715	4140065	0.004979	4.47	4.47	0	ANNUAL	EXHPH2	5
142	offsite	591815	4140065	0.004349	3.9	3.9	0	ANNUAL	EXHPH2	5
143	offsite	591915	4140065	0.003753	4.58	4.58	0	ANNUAL	EXHPH2	5
144	offsite	592015	4140065	0.003214	4.35	4.35	0	ANNUAL	EXHPH2	5
145	offsite	592115	4140065	0.002745	4.67	4.67	0	ANNUAL	EXHPH2	5
146	offsite	592215	4140065	0.002345	4.42	4.42	0	ANNUAL	EXHPH2	5
147	offsite	592315	4140065	0.002009	4.14	4.14	0	ANNUAL	EXHPH2	5
148	offsite	592415	4140065	0.001729	4.07	4.07	0	ANNUAL	EXHPH2	5
149	offsite	592515	4140065	0.001497	4.31	4.31	0	ANNUAL	EXHPH2	5
150	offsite	592615	4140065	0.001304	3.48	3.48	0	ANNUAL	EXHPH2	5
151	offsite	592715	4140065	0.001145	6.47	6.66	0	ANNUAL	EXHPH2	5
152	offsite	592815	4140065	0.001012	5.61	5.61	0	ANNUAL	EXHPH2	5
153	offsite	591715	4140165	0.005761	4.28	4.28	0	ANNUAL	EXHPH2	5
154	offsite	591815	4140165	0.004796	3.21	3.21	0	ANNUAL	EXHPH2	5
155	offsite	591915	4140165	0.00397	3.79	3.79	0	ANNUAL	EXHPH2	5
156	offsite	592015	4140165	0.003285	3.33	3.33	0	ANNUAL	EXHPH2	5
157	offsite	592115	4140165	0.002728	3.67	3.67	0	ANNUAL	EXHPH2	5
158	offsite	592215	4140165	0.002281	4.34	4.34	0	ANNUAL	EXHPH2	5
159	offsite	592315	4140165	0.001922	4.72	4.72	0	ANNUAL	EXHPH2	5
160	offsite	592415	4140165	0.001634	4.28	4.28	0	ANNUAL	EXHPH2	5
161	offsite	592515	4140165	0.001402	3.84	3.84	0	ANNUAL	EXHPH2	5
162	offsite	592615	4140165	0.001215	4.39	4.39	0	ANNUAL	EXHPH2	5
163	offsite	592715	4140165	0.001064	5.53	5.53	0	ANNUAL	EXHPH2	5
164	offsite	592815	4140165	0.000939	5.91	8.68	0	ANNUAL	EXHPH2	5
165	park	591315	4140265	0.014525	3.69	3.69	0	ANNUAL	EXHPH2	5
166	park	591415	4140265	0.012241	3.92	3.92	0	ANNUAL	EXHPH2	5
167	offsite	591615	4140265	0.008054	4.63	4.63	0	ANNUAL	EXHPH2	5
168	offsite	591715	4140265	0.006375	4.75	4.75	0	ANNUAL	EXHPH2	5
169	offsite	591815	4140265	0.005034	3.38	3.38	0	ANNUAL	EXHPH2	5
170	park	591915	4140265	0.003997	3.74	3.74	0	ANNUAL	EXHPH2	5
171	offsite	592015	4140265	0.003204	2.77	2.77	0	ANNUAL	EXHPH2	5
172	offsite	592115	4140265	0.0026	4.19	4.19	0	ANNUAL	EXHPH2	5
173	offsite	592215	4140265	0.002138	4.17	4.17	0	ANNUAL	EXHPH2	5
174	offsite	592315	4140265	0.001782	4.02	4.02	0	ANNUAL	EXHPH2	5
175	offsite	592415	4140265	0.001504	3.28	3.28	0	ANNUAL	EXHPH2	5
176	offsite	592515	4140265	0.001287	3.87	3.87	0	ANNUAL	EXHPH2	5
177	offsite	592615	4140265	0.001115	4.61	4.61	0	ANNUAL	EXHPH2	5
178	path	592715	4140265	0.000975	7.42	8.59	0	ANNUAL	EXHPH2	5
179	path	592815	4140265	0.000863	4	8.68	0	ANNUAL	EXHPH2	5
180	Phase2	590915	4140365	0.08177	5.73	5.73	0	ANNUAL	EXHPH2	5
181	Phase1	591015	4140365	0.059842	5.56	5.56	0	ANNUAL	EXHPH2	5
182	Phase1	591115	4140365	0.037997	3.47	3.47	0	ANNUAL	EXHPH2	5
183	Phase1	591215	4140365	0.028579	4.5	7.04	0	ANNUAL	EXHPH2	5
184	park	591415	4140365	0.016676	3.64	13.54	0	ANNUAL	EXHPH2	5
185	offsite	591615	4140365	0.008979	4.61	4.61	0	ANNUAL	EXHPH2	5
186	school	591715	4140365	0.006616	4.76	4.76	0	ANNUAL	EXHPH2	5
187	school	591815	4140365	0.00496	3.34	3.34	0	ANNUAL	EXHPH2	5
188	school	591915	4140365	0.003799	3.51	3.51	0	ANNUAL	EXHPH2	5
189	offsite	592015	4140365	0.002973	3.24	3.24	0	ANNUAL	EXHPH2	5
190	offsite	592115	4140365	0.002376	2.61	2.61	0	ANNUAL	EXHPH2	5
191	offsite	592215	4140365	0.001937	3.46	3.46	0	ANNUAL	EXHPH2	5
192	offsite	592315	4140365	0.001608	3.12	3.12	0	ANNUAL	EXHPH2	5
193	offsite	592415	4140365	0.001358	3.86	3.86	0	ANNUAL	EXHPH2	5
194	offsite	592515	4140365	0.001164	3.6	3.6	0	ANNUAL	EXHPH2	5
195	offsite	592615	4140365	0.001012	3.76	8.53	0	ANNUAL	EXHPH2	5
196	path	592715	4140365	0.00089	3.63	8.57	0	ANNUAL	EXHPH2	5
197	Phase2	590815	4140465	0.076882	7.69	7.69	0	ANNUAL	EXHPH2	5
198	Phase2	590915	4140465	0.106256	2.98	8.04	0	ANNUAL	EXHPH2	5
199	Phase2	591015	4140465	0.111414	8.67	10.34	0	ANNUAL	EXHPH2	5
200	Phase2	591115	4140465	0.096959	6.33	6.33	0	ANNUAL	EXHPH2	5
201	Phase1	591215	4140465	0.068479	4.21	4.21	0	ANNUAL	EXHPH2	5
202	Phase1	591315	4140465	0.039203	3.82	13.54	0	ANNUAL	EXHPH2	5
203	offsite	591515	4140465	0.014505	8.62	12.23	0	ANNUAL	EXHPH2	5
204	offsite	591615	4140465	0.009157	3.6	3.6	0	ANNUAL	EXHPH2	5
205	offsite	591715	4140465	0.006305	3.18	3.18	0	ANNUAL	EXHPH2	5
206	school	591815	4140465	0.004544	3.2	3.2	0	ANNUAL	EXHPH2	5
207	offsite	591915	4140465	0.003402	2.66	2.66	0	ANNUAL	EXHPH2	5
208	offsite	592015	4140465	0.002634	2.88	2.88	0	ANNUAL	EXHPH2	5
209	offsite	592115	4140465	0.002098	3.2	3.2	0	ANNUAL	EXHPH2	5
210	offsite	592215	4140465	0.001712	3.08	3.08	0	ANNUAL	EXHPH2	5
211	offsite	592315	4140465	0.001428	3.11	3.11	0	ANNUAL	EXHPH2	5
212	offsite	592415	4140465	0.001213	3.68	5.55	0	ANNUAL	EXHPH2	5
213	offsite	592515	4140465	0.001047	3.89	3.89	0	ANNUAL	EXHPH2	5
214	path	592615	4140465	0.000916	3.63	8.47	0	ANNUAL	EXHPH2	5
215	path	592715	4140465	0.000813	5.15	8.52	0	ANNUAL	EXHPH2	5
216	Phase4	590615	4140565	0.010046	2.81	6.9	0	ANNUAL	EXHPH2	5
217	Phase4	590715	4140565	0.034151	7.46	7.46	0	ANNUAL	EXHPH2	5
218	Phase2	590815	4140565	0.077986	7.28	8.15	0	ANNUAL	EXHPH2	5
219	Phase2	590915	4140565	0.104899	7.4	7.4	0	ANNUAL	EXHPH2	5
220	Phase2	591015	4140565	0.114442	9.93	9.93	0	ANNUAL	EXHPH2	5
221	Phase2	591115	4140565	0.11584	9.16	9.16	0	ANNUAL	EXHPH2	5
222	Phase2	591215	4140565	0.108101	8.96	8.96	0	ANNUAL	EXHPH2	5
223	Phase2	591315	4140565	0.087166	4.72	7.76	0	ANNUAL	EXHPH2	5
224	offsite	591715	4140565	0.00547	3.05	3.05	0	ANNUAL	EXHPH2	5
225	offsite	591815	4140565	0.003887	3.45	3.45	0	ANNUAL	EXHPH2	5
226	offsite	591915	4140565	0.002907	3.37	3.37	0	ANNUAL	EXHPH2	5
227	offsite	592015	4140565	0.002261	2.35	2.35	0	ANNUAL	EXHPH2	5
228	offsite	592115	4140565	0.001816	3.13	3.13	0	ANNUAL	EXHPH2	5
229	offsite	592215	4140565	0.001498	2.74	3.01	0	ANNUAL	EXHPH2	5
230	offsite	592315	4140565	0.001262	3.18	3.18	0	ANNUAL	EXHPH2	5
231	offsite	592415	4140565	0.001083	3.07	8.42	0	ANNUAL	EXHPH2	5
232	path	592515	4140565	0.000945	3.32	8.4	0	ANNUAL	EXHPH2	5
233	path	592615	4140565	0.000834	7.45	8.26	0	ANNUAL	EXHPH2	5
234	Phase4	590515	4140665	0.005496	6.23	7.85	0	ANNUAL	EXHPH2	5
235	Phase4	590615	4140665	0.008691	7.56	9.05	0	ANNUAL	EXHPH2	5
236	Phase4	590715	4140665	0.015291	7.51	8.57	0	ANNUAL	EXHPH2	5
237	Phase3	590815	4140665	0.028344	5.96	5.96	0	ANNUAL	EXHPH2	5
238	Phase3	590915	4140665	0.060802	8.13	8.13	0	ANNUAL	EXHPH2	5
239	Phase2	591015	4140665	0.088528	9.54	9.54	0	ANNUAL	EXHPH2	5
240	Phase2	591115	4140665	0.107676	8.35	8.35	0	ANNUAL	EXHPH2	5

Phase 3

	Discrete R	X	Y	Concentra	Elevation	Hill Height	Flagpole (z	Averagin F	Source Gr	Num Years
PHASE:	3	3	3	3	3	3	3	3	3	3
121	offsite	592515	4139865	0.000341	4.63	4.63	0	ANNUAL	EXHPH3	5
122	offsite	592615	4139865	0.000314	4.54	4.54	0	ANNUAL	EXHPH3	5
123	offsite	592715	4139865	0.000289	4.54	4.54	0	ANNUAL	EXHPH3	5
124	offsite	592815	4139865	0.000265	4.38	4.38	0	ANNUAL	EXHPH3	5
125	offsite	589515	4139965	0.000129	4.37	4.37	0	ANNUAL	EXHPH3	5
126	offsite	589615	4139965	0.000139	4.9	4.9	0	ANNUAL	EXHPH3	5
127	offsite	591715	4139965	0.000607	4.36	4.36	0	ANNUAL	EXHPH3	5
128	offsite	591815	4139965	0.000592	4.84	4.84	0	ANNUAL	EXHPH3	5
129	offsite	591915	4139965	0.000567	4.6	4.6	0	ANNUAL	EXHPH3	5
130	offsite	592015	4139965	0.000535	4.72	4.72	0	ANNUAL	EXHPH3	5
131	offsite	592115	4139965	0.000499	4.36	4.36	0	ANNUAL	EXHPH3	5
132	offsite	592215	4139965	0.000461	4.14	4.14	0	ANNUAL	EXHPH3	5
133	offsite	592315	4139965	0.000423	4.47	4.47	0	ANNUAL	EXHPH3	5
134	offsite	592415	4139965	0.000386	4.26	4.26	0	ANNUAL	EXHPH3	5
135	offsite	592515	4139965	0.000351	4.63	4.63	0	ANNUAL	EXHPH3	5
136	offsite	592615	4139965	0.000319	4.36	4.36	0	ANNUAL	EXHPH3	5
137	offsite	592715	4139965	0.000289	3.54	3.54	0	ANNUAL	EXHPH3	5
138	offsite	592815	4139965	0.000263	4.3	4.3	0	ANNUAL	EXHPH3	5
139	offsite	589515	4140065	0.000135	4.7	4.7	0	ANNUAL	EXHPH3	5
140	offsite	589615	4140065	0.000146	5.41	5.41	0	ANNUAL	EXHPH3	5
141	offsite	591715	4140065	0.000735	4.47	4.47	0	ANNUAL	EXHPH3	5
142	offsite	591815	4140065	0.000696	3.9	3.9	0	ANNUAL	EXHPH3	5
143	offsite	591915	4140065	0.000648	4.58	4.58	0	ANNUAL	EXHPH3	5
144	offsite	592015	4140065	0.000595	4.35	4.35	0	ANNUAL	EXHPH3	5
145	offsite	592115	4140065	0.000541	4.67	4.67	0	ANNUAL	EXHPH3	5
146	offsite	592215	4140065	0.000489	4.42	4.42	0	ANNUAL	EXHPH3	5
147	offsite	592315	4140065	0.00044	4.14	4.14	0	ANNUAL	EXHPH3	5
148	offsite	592415	4140065	0.000394	4.07	4.07	0	ANNUAL	EXHPH3	5
149	offsite	592515	4140065	0.000353	4.31	4.31	0	ANNUAL	EXHPH3	5
150	offsite	592615	4140065	0.000317	3.48	3.48	0	ANNUAL	EXHPH3	5
151	offsite	592715	4140065	0.000285	6.47	6.66	0	ANNUAL	EXHPH3	5
152	offsite	592815	4140065	0.000256	5.61	5.61	0	ANNUAL	EXHPH3	5
153	offsite	591715	4140165	0.000878	4.28	4.28	0	ANNUAL	EXHPH3	5
154	offsite	591815	4140165	0.000803	3.21	3.21	0	ANNUAL	EXHPH3	5
155	offsite	591915	4140165	0.000724	3.79	3.79	0	ANNUAL	EXHPH3	5
156	offsite	592015	4140165	0.000646	3.33	3.33	0	ANNUAL	EXHPH3	5
157	offsite	592115	4140165	0.000572	3.67	3.67	0	ANNUAL	EXHPH3	5
158	offsite	592215	4140165	0.000505	4.34	4.34	0	ANNUAL	EXHPH3	5
159	offsite	592315	4140165	0.000446	4.72	4.72	0	ANNUAL	EXHPH3	5
160	offsite	592415	4140165	0.000393	4.28	4.28	0	ANNUAL	EXHPH3	5
161	offsite	592515	4140165	0.000348	3.84	3.84	0	ANNUAL	EXHPH3	5
162	offsite	592615	4140165	0.000308	4.39	4.39	0	ANNUAL	EXHPH3	5
163	offsite	592715	4140165	0.000275	5.53	5.53	0	ANNUAL	EXHPH3	5
164	offsite	592815	4140165	0.000246	5.91	8.68	0	ANNUAL	EXHPH3	5
165	park	591315	4140265	0.001371	3.69	3.69	0	ANNUAL	EXHPH3	5
166	park	591415	4140265	0.001335	3.92	3.92	0	ANNUAL	EXHPH3	5
167	offsite	591615	4140265	0.001146	4.63	4.63	0	ANNUAL	EXHPH3	5
168	offsite	591715	4140265	0.001024	4.75	4.75	0	ANNUAL	EXHPH3	5
169	offsite	591815	4140265	0.0009	3.38	3.38	0	ANNUAL	EXHPH3	5
170	park	591915	4140265	0.000784	3.74	3.74	0	ANNUAL	EXHPH3	5
171	offsite	592015	4140265	0.000678	2.77	2.77	0	ANNUAL	EXHPH3	5
172	offsite	592115	4140265	0.000586	4.19	4.19	0	ANNUAL	EXHPH3	5
173	offsite	592215	4140265	0.000507	4.17	4.17	0	ANNUAL	EXHPH3	5
174	offsite	592315	4140265	0.000439	4.02	4.02	0	ANNUAL	EXHPH3	5
175	offsite	592415	4140265	0.000382	3.28	3.28	0	ANNUAL	EXHPH3	5
176	offsite	592515	4140265	0.000334	3.87	3.87	0	ANNUAL	EXHPH3	5
177	offsite	592615	4140265	0.000294	4.61	4.61	0	ANNUAL	EXHPH3	5
178	path	592715	4140265	0.000261	7.42	8.59	0	ANNUAL	EXHPH3	5
179	path	592815	4140265	0.000232	4	8.68	0	ANNUAL	EXHPH3	5
180	Phase2	590915	4140365	0.001604	5.73	5.73	0	ANNUAL	EXHPH3	5
181	Phase1	591015	4140365	0.001847	5.56	5.56	0	ANNUAL	EXHPH3	5
182	Phase1	591115	4140365	0.001989	3.47	3.47	0	ANNUAL	EXHPH3	5
183	Phase1	591215	4140365	0.00201	4.5	7.04	0	ANNUAL	EXHPH3	5
184	park	591415	4140365	0.001764	3.64	13.54	0	ANNUAL	EXHPH3	5
185	offsite	591615	4140365	0.001353	4.61	4.61	0	ANNUAL	EXHPH3	5
186	school	591715	4140365	0.001152	4.76	4.76	0	ANNUAL	EXHPH3	5
187	school	591815	4140365	0.000971	3.34	3.34	0	ANNUAL	EXHPH3	5
188	school	591915	4140365	0.000816	3.51	3.51	0	ANNUAL	EXHPH3	5
189	offsite	592015	4140365	0.000686	3.24	3.24	0	ANNUAL	EXHPH3	5
190	offsite	592115	4140365	0.000579	2.61	2.61	0	ANNUAL	EXHPH3	5
191	offsite	592215	4140365	0.000491	3.46	3.46	0	ANNUAL	EXHPH3	5
192	offsite	592315	4140365	0.00042	3.12	3.12	0	ANNUAL	EXHPH3	5
193	offsite	592415	4140365	0.000362	3.86	3.86	0	ANNUAL	EXHPH3	5
194	offsite	592515	4140365	0.000314	3.6	3.6	0	ANNUAL	EXHPH3	5
195	offsite	592615	4140365	0.000275	3.76	8.53	0	ANNUAL	EXHPH3	5
196	path	592715	4140365	0.000243	3.63	8.57	0	ANNUAL	EXHPH3	5
197	Phase2	590815	4140465	0.002297	7.69	7.69	0	ANNUAL	EXHPH3	5
198	Phase2	590915	4140465	0.002956	2.98	8.04	0	ANNUAL	EXHPH3	5
199	Phase2	591015	4140465	0.003318	8.67	10.34	0	ANNUAL	EXHPH3	5
200	Phase2	591115	4140465	0.003287	6.33	6.33	0	ANNUAL	EXHPH3	5
201	Phase1	591215	4140465	0.00304	4.21	4.21	0	ANNUAL	EXHPH3	5
202	Phase1	591315	4140465	0.002673	3.82	13.54	0	ANNUAL	EXHPH3	5
203	offsite	591515	4140465	0.001887	8.62	12.23	0	ANNUAL	EXHPH3	5
204	offsite	591615	4140465	0.001525	3.6	3.6	0	ANNUAL	EXHPH3	5
205	offsite	591715	4140465	0.001233	3.18	3.18	0	ANNUAL	EXHPH3	5
206	school	591815	4140465	0.000998	3.2	3.2	0	ANNUAL	EXHPH3	5
207	offsite	591915	4140465	0.000811	2.66	2.66	0	ANNUAL	EXHPH3	5
208	offsite	592015	4140465	0.000665	2.88	2.88	0	ANNUAL	EXHPH3	5
209	offsite	592115	4140465	0.000551	3.2	3.2	0	ANNUAL	EXHPH3	5
210	offsite	592215	4140465	0.000461	3.08	3.08	0	ANNUAL	EXHPH3	5
211	offsite	592315	4140465	0.000391	3.11	3.11	0	ANNUAL	EXHPH3	5
212	offsite	592415	4140465	0.000334	3.68	5.55	0	ANNUAL	EXHPH3	5
213	offsite	592515	4140465	0.00029	3.89	3.89	0	ANNUAL	EXHPH3	5
214	path	592615	4140465	0.000253	3.63	8.47	0	ANNUAL	EXHPH3	5
215	path	592715	4140465	0.000224	5.15	8.52	0	ANNUAL	EXHPH3	5
216	Phase4	590615	4140565	0.001758	2.81	6.9	0	ANNUAL	EXHPH3	5
217	Phase4	590715	4140565	0.002948	7.46	7.46	0	ANNUAL	EXHPH3	5
218	Phase2	590815	4140565	0.005565	7.28	8.15	0	ANNUAL	EXHPH3	5
219	Phase2	590915	4140565	0.007119	7.4	7.4	0	ANNUAL	EXHPH3	5
220	Phase2	591015	4140565	0.006869	9.93	9.93	0	ANNUAL	EXHPH3	5
221	Phase2	591115	4140565	0.005707	9.16	9.16	0	ANNUAL	EXHPH3	5
222	Phase2	591215	4140565	0.004606	8.96	8.96	0	ANNUAL	EXHPH3	5
223	Phase2	591315	4140565	0.003599	4.72	7.76	0	ANNUAL	EXHPH3	5
224	offsite	591715	4140565	0.001242	3.05	3.05	0	ANNUAL	EXHPH3	5
225	offsite	591815	4140565	0.000969	3.45	3.45	0	ANNUAL	EXHPH3	5
226	offsite	591915	4140565	0.000767	3.37	3.37	0	ANNUAL	EXHPH3	5
227	offsite	592015	4140565	0.000617	2.35	2.35	0	ANNUAL	EXHPH3	5
228	offsite	592115	4140565	0.000505	3.13	3.13	0	ANNUAL	EXHPH3	5
229	offsite	592215	4140565	0.00042	2.74	3.01	0	ANNUAL	EXHPH3	5
230	offsite	592315	4140565	0.000355	3.18	3.18	0	ANNUAL	EXHPH3	5
231	offsite	592415	4140565	0.000304	3.07	8.42	0	ANNUAL	EXHPH3	5
232	path	592515	4140565	0.000263	3.32	8.4	0	ANNUAL	EXHPH3	5
233	path	592615	4140565	0.000232	7.45	8.26	0	ANNUAL	EXHPH3	5
234	Phase4	590515	4140665	0.00147	6.23	7.85	0	ANNUAL	EXHPH3	5
235	Phase4	590615	4140665	0.002564	7.56	9.05	0	ANNUAL	EXHPH3	5
236	Phase4	590715	4140665	0.005821	7.51	8.57	0	ANNUAL	EXHPH3	5
237	Phase3	590815	4140665	0.021984	5.96	5.96	0	ANNUAL	EXHPH3	5
238	Phase3	590915	4140665	0.027102	8.13	8.13	0	ANNUAL	EXHPH3	5
239	Phase2	591015	4140665	0.018998	9.54	9.54	0	ANNUAL	EXHPH3	5
240	Phase2	591115	4140665	0.010317	8.35	8.35	0	ANNUAL	EXHPH3	5

Phase 4

	Discrete R	X	Y	Concentra	Elevation	Hill Height	Flagpole (z	Averagin F	Source Gr	Num Years
PHASE:	4	4	4	4	4	4	4	4	4	4
121	offsite	592515	4139865	0.000392	4.63	4.63	0	ANNUAL	EXHPH4	5
122	offsite	592615	4139865	0.000354	4.54	4.54	0	ANNUAL	EXHPH4	5
123	offsite	592715	4139865	0.000321	4.54	4.54	0	ANNUAL	EXHPH4	5
124	offsite	592815	4139865	0.000292	4.38	4.38	0	ANNUAL	EXHPH4	5
125	offsite	589515	4139965	0.000273	4.37	4.37	0	ANNUAL	EXHPH4	5
126	offsite	589615	4139965	0.000302	4.9	4.9	0	ANNUAL	EXHPH4	5
127	offsite	591715	4139965	0.000973	4.36	4.36	0	ANNUAL	EXHPH4	5
128	offsite	591815	4139965	0.000866	4.84	4.84	0	ANNUAL	EXHPH4	5
129	offsite	591915	4139965	0.000767	4.6	4.6	0	ANNUAL	EXHPH4	5
130	offsite	592015	4139965	0.000678	4.72	4.72	0	ANNUAL	EXHPH4	5
131	offsite	592115	4139965	0.000599	4.36	4.36	0	ANNUAL	EXHPH4	5
132	offsite	592215	4139965	0.000531	4.14	4.14	0	ANNUAL	EXHPH4	5
133	offsite	592315	4139965	0.000471	4.47	4.47	0	ANNUAL	EXHPH4	5
134	offsite	592415	4139965	0.00042	4.26	4.26	0	ANNUAL	EXHPH4	5
135	offsite	592515	4139965	0.000376	4.63	4.63	0	ANNUAL	EXHPH4	5
136	offsite	592615	4139965	0.000338	4.36	4.36	0	ANNUAL	EXHPH4	5
137	offsite	592715	4139965	0.000306	3.54	3.54	0	ANNUAL	EXHPH4	5
138	offsite	592815	4139965	0.000278	4.3	4.3	0	ANNUAL	EXHPH4	5
139	offsite	589515	4140065	0.000291	4.7	4.7	0	ANNUAL	EXHPH4	5
140	offsite	589615	4140065	0.000325	5.41	5.41	0	ANNUAL	EXHPH4	5
141	offsite	591715	4140065	0.001028	4.47	4.47	0	ANNUAL	EXHPH4	5
142	offsite	591815	4140065	0.00089	3.9	3.9	0	ANNUAL	EXHPH4	5
143	offsite	591915	4140065	0.000771	4.58	4.58	0	ANNUAL	EXHPH4	5
144	offsite	592015	4140065	0.000669	4.35	4.35	0	ANNUAL	EXHPH4	5
145	offsite	592115	4140065	0.000583	4.67	4.67	0	ANNUAL	EXHPH4	5
146	offsite	592215	4140065	0.000511	4.42	4.42	0	ANNUAL	EXHPH4	5
147	offsite	592315	4140065	0.00045	4.14	4.14	0	ANNUAL	EXHPH4	5
148	offsite	592415	4140065	0.000399	4.07	4.07	0	ANNUAL	EXHPH4	5
149	offsite	592515	4140065	0.000355	4.31	4.31	0	ANNUAL	EXHPH4	5
150	offsite	592615	4140065	0.000319	3.48	3.48	0	ANNUAL	EXHPH4	5
151	offsite	592715	4140065	0.000288	6.47	6.66	0	ANNUAL	EXHPH4	5
152	offsite	592815	4140065	0.000261	5.61	5.61	0	ANNUAL	EXHPH4	5
153	offsite	591715	4140165	0.001042	4.28	4.28	0	ANNUAL	EXHPH4	5
154	offsite	591815	4140165	0.00088	3.21	3.21	0	ANNUAL	EXHPH4	5
155	offsite	591915	4140165	0.000749	3.79	3.79	0	ANNUAL	EXHPH4	5
156	offsite	592015	4140165	0.000641	3.33	3.33	0	ANNUAL	EXHPH4	5
157	offsite	592115	4140165	0.000553	3.67	3.67	0	ANNUAL	EXHPH4	5
158	offsite	592215	4140165	0.000481	4.34	4.34	0	ANNUAL	EXHPH4	5
159	offsite	592315	4140165	0.000421	4.72	4.72	0	ANNUAL	EXHPH4	5
160	offsite	592415	4140165	0.000372	4.28	4.28	0	ANNUAL	EXHPH4	5
161	offsite	592515	4140165	0.000331	3.84	3.84	0	ANNUAL	EXHPH4	5
162	offsite	592615	4140165	0.000297	4.39	4.39	0	ANNUAL	EXHPH4	5
163	offsite	592715	4140165	0.000269	5.53	5.53	0	ANNUAL	EXHPH4	5
164	offsite	592815	4140165	0.000244	5.91	8.68	0	ANNUAL	EXHPH4	5
165	park	591315	4140265	0.002304	3.69	3.69	0	ANNUAL	EXHPH4	5
166	park	591415	4140265	0.001862	3.92	3.92	0	ANNUAL	EXHPH4	5
167	offsite	591615	4140265	0.001228	4.63	4.63	0	ANNUAL	EXHPH4	5
168	offsite	591715	4140265	0.001009	4.75	4.75	0	ANNUAL	EXHPH4	5
169	offsite	591815	4140265	0.000837	3.38	3.38	0	ANNUAL	EXHPH4	5
170	park	591915	4140265	0.000702	3.74	3.74	0	ANNUAL	EXHPH4	5
171	offsite	592015	4140265	0.000596	2.77	2.77	0	ANNUAL	EXHPH4	5
172	offsite	592115	4140265	0.000511	4.19	4.19	0	ANNUAL	EXHPH4	5
173	offsite	592215	4140265	0.000443	4.17	4.17	0	ANNUAL	EXHPH4	5
174	offsite	592315	4140265	0.000388	4.02	4.02	0	ANNUAL	EXHPH4	5
175	offsite	592415	4140265	0.000343	3.28	3.28	0	ANNUAL	EXHPH4	5
176	offsite	592515	4140265	0.000306	3.87	3.87	0	ANNUAL	EXHPH4	5
177	offsite	592615	4140265	0.000276	4.61	4.61	0	ANNUAL	EXHPH4	5
178	path	592715	4140265	0.000249	7.42	8.59	0	ANNUAL	EXHPH4	5
179	path	592815	4140265	0.000228	4	8.68	0	ANNUAL	EXHPH4	5
180	Phase2	590915	4140365	0.007249	5.73	5.73	0	ANNUAL	EXHPH4	5
181	Phase1	591015	4140365	0.005595	5.56	5.56	0	ANNUAL	EXHPH4	5
182	Phase1	591115	4140365	0.004216	3.47	3.47	0	ANNUAL	EXHPH4	5
183	Phase1	591215	4140365	0.003187	4.5	7.04	0	ANNUAL	EXHPH4	5
184	park	591415	4140365	0.001862	3.64	13.54	0	ANNUAL	EXHPH4	5
185	offsite	591615	4140365	0.001156	4.61	4.61	0	ANNUAL	EXHPH4	5
186	school	591715	4140365	0.000934	4.76	4.76	0	ANNUAL	EXHPH4	5
187	school	591815	4140365	0.000767	3.34	3.34	0	ANNUAL	EXHPH4	5
188	school	591915	4140365	0.00064	3.51	3.51	0	ANNUAL	EXHPH4	5
189	offsite	592015	4140365	0.000541	3.24	3.24	0	ANNUAL	EXHPH4	5
190	offsite	592115	4140365	0.000464	2.61	2.61	0	ANNUAL	EXHPH4	5
191	offsite	592215	4140365	0.000403	3.46	3.46	0	ANNUAL	EXHPH4	5
192	offsite	592315	4140365	0.000354	3.12	3.12	0	ANNUAL	EXHPH4	5
193	offsite	592415	4140365	0.000315	3.86	3.86	0	ANNUAL	EXHPH4	5
194	offsite	592515	4140365	0.000282	3.6	3.6	0	ANNUAL	EXHPH4	5
195	offsite	592615	4140365	0.000255	3.76	8.53	0	ANNUAL	EXHPH4	5
196	path	592715	4140365	0.000232	3.63	8.57	0	ANNUAL	EXHPH4	5
197	Phase2	590815	4140465	0.024278	7.69	7.69	0	ANNUAL	EXHPH4	5
198	Phase2	590915	4140465	0.010664	2.98	8.04	0	ANNUAL	EXHPH4	5
199	Phase2	591015	4140465	0.007126	8.67	10.34	0	ANNUAL	EXHPH4	5
200	Phase2	591115	4140465	0.004647	6.33	6.33	0	ANNUAL	EXHPH4	5
201	Phase1	591215	4140465	0.003227	4.21	4.21	0	ANNUAL	EXHPH4	5
202	Phase1	591315	4140465	0.002323	3.82	13.54	0	ANNUAL	EXHPH4	5
203	offsite	591515	4140465	0.001317	8.62	12.23	0	ANNUAL	EXHPH4	5
204	offsite	591615	4140465	0.001035	3.6	3.6	0	ANNUAL	EXHPH4	5
205	offsite	591715	4140465	0.000831	3.18	3.18	0	ANNUAL	EXHPH4	5
206	school	591815	4140465	0.000682	3.2	3.2	0	ANNUAL	EXHPH4	5
207	offsite	591915	4140465	0.00057	2.66	2.66	0	ANNUAL	EXHPH4	5
208	offsite	592015	4140465	0.000484	2.88	2.88	0	ANNUAL	EXHPH4	5
209	offsite	592115	4140465	0.000417	3.2	3.2	0	ANNUAL	EXHPH4	5
210	offsite	592215	4140465	0.000365	3.08	3.08	0	ANNUAL	EXHPH4	5
211	offsite	592315	4140465	0.000323	3.11	3.11	0	ANNUAL	EXHPH4	5
212	offsite	592415	4140465	0.000288	3.68	5.55	0	ANNUAL	EXHPH4	5
213	offsite	592515	4140465	0.00026	3.89	3.89	0	ANNUAL	EXHPH4	5
214	path	592615	4140465	0.000236	3.63	8.47	0	ANNUAL	EXHPH4	5
215	path	592715	4140465	0.000216	5.15	8.52	0	ANNUAL	EXHPH4	5
216	Phase4	590615	4140565	0.05975	2.81	6.9	0	ANNUAL	EXHPH4	5
217	Phase4	590715	4140565	0.0722	7.46	7.46	0	ANNUAL	EXHPH4	5
218	Phase2	590815	4140565	0.035117	7.28	8.15	0	ANNUAL	EXHPH4	5
219	Phase2	590915	4140565	0.013769	7.4	7.4	0	ANNUAL	EXHPH4	5
220	Phase2	591015	4140565	0.007568	9.93	9.93	0	ANNUAL	EXHPH4	5
221	Phase2	591115	4140565	0.004469	9.16	9.16	0	ANNUAL	EXHPH4	5
222	Phase2	591215	4140565	0.002914	8.96	8.96	0	ANNUAL	EXHPH4	5
223	Phase2	591315	4140565	0.002036	4.72	7.76	0	ANNUAL	EXHPH4	5
224	offsite	591715	4140565	0.000722	3.05	3.05	0	ANNUAL	EXHPH4	5
225	offsite	591815	4140565	0.000597	3.45	3.45	0	ANNUAL	EXHPH4	5
226	offsite	591915	4140565	0.000503	3.37	3.37	0	ANNUAL	EXHPH4	5
227	offsite	592015	4140565	0.000431	2.35	2.35	0	ANNUAL	EXHPH4	5
228	offsite	592115	4140565	0.000375	3.13	3.13	0	ANNUAL	EXHPH4	5
229	offsite	592215	4140565	0.000331	2.74	3.01	0	ANNUAL	EXHPH4	5
230	offsite	592315	4140565	0.000295	3.18	3.18	0	ANNUAL	EXHPH4	5
231	offsite	592415	4140565	0.000265	3.07	8.42	0	ANNUAL	EXHPH4	5
232	path	592515	4140565	0.000241	3.32	8.4	0	ANNUAL	EXHPH4	5
233	path	592615	4140565	0.00022	7.45	8.26	0	ANNUAL	EXHPH4	5
234	Phase4	590515	4140665	0.054645	6.23	7.85	0	ANNUAL	EXHPH4	5
235	Phase4	590615	4140665	0.088622	7.56	9.05	0	ANNUAL	EXHPH4	5
236	Phase4	590715	4140665	0.088663	7.51	8.57	0	ANNUAL	EXHPH4	5
237	Phase3	590815	4140665	0.046217	5.96	5.96	0	ANNUAL	EXHPH4	5
238	Phase3	590915	4140665	0.012877	8.13	8.13	0	ANNUAL	EXHPH4	5
239	Phase2	591015	4140665	0.006144	9.54	9.54	0	ANNUAL	EXHPH4	5
240	Phase2	591115	4140665	0.003603	8.35	8.35	0	ANNUAL	EXHPH4	5

Phase 1

PHASE:	Discrete Rec	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Year	Net ID
	1	1	1	1	1	1	1	1	1	1	1
241	Phase2	591215	4140665	0.007953	7.74	7.74	0	ANNUAL	EXHPH1	5	
242	offsite	591315	4140665	0.00858	5.84	7.22	0	ANNUAL	EXHPH1	5	
243	offsite	591915	4140665	0.001049	2.89	2.89	0	ANNUAL	EXHPH1	5	
244	offsite	592015	4140665	0.000838	0.58	0.58	0	ANNUAL	EXHPH1	5	
245	offsite	592115	4140665	0.00069	0.84	0.84	0	ANNUAL	EXHPH1	5	
246	offsite	592215	4140665	0.000581	2.07	8.29	0	ANNUAL	EXHPH1	5	
247	path	592315	4140665	0.00049	7.57	8.32	0	ANNUAL	EXHPH1	5	
248	path	592415	4140665	0.000434	3.32	8.06	0	ANNUAL	EXHPH1	5	
249	path	592515	4140665	0.000383	4.93	8.51	0	ANNUAL	EXHPH1	5	
250	Phase4	590515	4140765	0.001263	6.09	6.81	0	ANNUAL	EXHPH1	5	
251	Phase4	590615	4140765	0.001563	7.47	7.47	0	ANNUAL	EXHPH1	5	
252	Phase4	590715	4140765	0.001938	7.57	7.57	0	ANNUAL	EXHPH1	5	
253	Phase3	590815	4140765	0.002393	7.99	8.34	0	ANNUAL	EXHPH1	5	
254	Phase3	590915	4140765	0.003155	9.61	9.61	0	ANNUAL	EXHPH1	5	
255	Phase3	591015	4140765	0.003853	11.11	11.11	0	ANNUAL	EXHPH1	5	
256	Phase2	591115	4140765	0.003903	7.91	7.91	0	ANNUAL	EXHPH1	5	
257	Phase2	591215	4140765	0.004169	6.84	6.84	0	ANNUAL	EXHPH1	5	
258	offsite	592015	4140765	0.000736	1.63	8.34	0	ANNUAL	EXHPH1	5	
259	path	592115	4140765	0.000617	4.58	8.1	0	ANNUAL	EXHPH1	5	
260	path	592215	4140765	0.000528	3.32	8.32	0	ANNUAL	EXHPH1	5	
261	path	592315	4140765	0.000454	6.95	8.2	0	ANNUAL	EXHPH1	5	
262	offsite	590515	4140865	0	3.26	3.26	0	ANNUAL	EXHPH1	5	
263	offsite	590615	4140865	0	3.35	3.35	0	ANNUAL	EXHPH1	5	
264	offsite	590715	4140865	0.001584	3.94	22.32	0	ANNUAL	EXHPH1	5	
265	Phase3	590815	4140865	0.001845	6.96	22.32	0	ANNUAL	EXHPH1	5	
266	Phase3	590915	4140865	0.002109	7.14	7.14	0	ANNUAL	EXHPH1	5	
267	Phase3	591015	4140865	0.00234	8.47	9.2	0	ANNUAL	EXHPH1	5	
268	Phase3	591115	4140865	0.002502	7.45	9.44	0	ANNUAL	EXHPH1	5	
269	offsite	591215	4140865	0.002594	3.69	9.28	0	ANNUAL	EXHPH1	5	
270	Phase7	591315	4140865	0.002379	7.99	9.89	0	ANNUAL	EXHPH1	5	
271	path	591915	4140865	0.000767	6.17	7.98	0	ANNUAL	EXHPH1	5	
272	path	592115	4140865	0.000557	3.1	8.4	0	ANNUAL	EXHPH1	5	
273	offsite	590515	4140965	0	3.15	3.15	0	ANNUAL	EXHPH1	5	
274	offsite	590615	4140965	0	2.82	22.32	0	ANNUAL	EXHPH1	5	
275	Phase5	590715	4140965	0.001291	5.28	24.93	0	ANNUAL	EXHPH1	5	
276	Phase5	590815	4140965	0.001864	14.22	22.32	0	ANNUAL	EXHPH1	5	
277	Phase5	590915	4140965	0.001585	3.66	25.03	0	ANNUAL	EXHPH1	5	
278	Phase3	591015	4140965	0.00168	6.91	20.57	0	ANNUAL	EXHPH1	5	
279	Phase3	591115	4140965	0.00173	7.74	7.74	0	ANNUAL	EXHPH1	5	
280	Phase7	591215	4140965	0.001757	3.8	8.29	0	ANNUAL	EXHPH1	5	
281	Phase7	591315	4140965	0.001581	9.1	9.1	0	ANNUAL	EXHPH1	5	
282	Phase7	591415	4140965	0.00137	9.88	9.88	0	ANNUAL	EXHPH1	5	
283	Phase8	591515	4140965	0.001125	11.54	11.8	0	ANNUAL	EXHPH1	5	
284	Phase8	591615	4140965	0.001094	6.88	13.36	0	ANNUAL	EXHPH1	5	
285	path	591915	4140965	0.000671	3.01	7.86	0	ANNUAL	EXHPH1	5	
286	offsite	592015	4140965	0.000578	3.56	3.56	0	ANNUAL	EXHPH1	5	
287	offsite	590515	4141065	0	2.84	2.84	0	ANNUAL	EXHPH1	5	
288	offsite	590615	4141065	0	3.23	22.82	0	ANNUAL	EXHPH1	5	
289	Phase5	590715	4141065	0.00124	10.68	24.93	0	ANNUAL	EXHPH1	5	
290	Phase5	590815	4141065	0.001521	20.83	20.83	0	ANNUAL	EXHPH1	5	
291	Phase5	590915	4141065	0.001522	17.41	25.03	0	ANNUAL	EXHPH1	5	
292	Phase5	591015	4141065	0.001473	16.46	19.95	0	ANNUAL	EXHPH1	5	
293	offsite	591115	4141065	0.001296	2.87	23.21	0	ANNUAL	EXHPH1	5	
294	Phase7	591215	4141065	0.001258	7.93	7.93	0	ANNUAL	EXHPH1	5	
295	Phase7	591315	4141065	0.001119	11.36	11.36	0	ANNUAL	EXHPH1	5	
296	Phase7	591415	4141065	0.000967	13.73	13.73	0	ANNUAL	EXHPH1	5	
297	Phase8	591515	4141065	0.000842	13.96	13.96	0	ANNUAL	EXHPH1	5	
298	Phase8	591615	4141065	0.000742	12.71	12.71	0	ANNUAL	EXHPH1	5	
299	Phase8	591715	4141065	0.000738	8.85	12.15	0	ANNUAL	EXHPH1	5	
300	path	591815	4141065	0.000671	3.01	7.76	0	ANNUAL	EXHPH1	5	
301	offsite	591915	4141065	0.000585	3.61	7.87	0	ANNUAL	EXHPH1	5	
302	offsite	592015	4141065	0.000513	3.59	3.59	0	ANNUAL	EXHPH1	5	
303	offsite	592115	4141065	0.000454	3.61	3.61	0	ANNUAL	EXHPH1	5	
304	offsite	592215	4141065	0.000406	3.94	3.94	0	ANNUAL	EXHPH1	5	
305	offsite	592315	4141065	0.000364	2.72	2.72	0	ANNUAL	EXHPH1	5	
306	offsite	590515	4141165	0	2.7	2.7	0	ANNUAL	EXHPH1	5	
307	offsite	590615	4141165	0	2.75	24.16	0	ANNUAL	EXHPH1	5	
308	Phase5	590715	4141165	0.001171	16.6	22.82	0	ANNUAL	EXHPH1	5	
309	Phase5	590815	4141165	0.001211	22.41	22.71	0	ANNUAL	EXHPH1	5	
310	Phase5	590915	4141165	0.001197	18.39	18.39	0	ANNUAL	EXHPH1	5	
311	offsite	591015	4141165	0.001053	11.27	23.89	0	ANNUAL	EXHPH1	5	
312	Phase6	591115	4141165	0.000995	6.07	19.25	0	ANNUAL	EXHPH1	5	
313	Phase6	591215	4141165	0.000948	9.88	11.06	0	ANNUAL	EXHPH1	5	
314	Phase7	591315	4141165	0.00086	12.75	12.75	0	ANNUAL	EXHPH1	5	
315	Phase8	591415	4141165	0.000756	14.9	14.9	0	ANNUAL	EXHPH1	5	
316	Phase8	591515	4141165	0.000679	14.62	14.62	0	ANNUAL	EXHPH1	5	
317	Phase8	591615	4141165	0.000639	11.03	11.03	0	ANNUAL	EXHPH1	5	
318	path	591715	4141165	0.000651	3.59	10.93	0	ANNUAL	EXHPH1	5	
319	path	591815	4141165	0.000569	7.42	7.42	0	ANNUAL	EXHPH1	5	
320	offsite	591915	4141165	0.000513	4.1	4.1	0	ANNUAL	EXHPH1	5	
321	offsite	592015	4141165	0.000458	3.19	3.19	0	ANNUAL	EXHPH1	5	
322	offsite	592115	4141165	0.000411	3.59	3.59	0	ANNUAL	EXHPH1	5	
323	offsite	592215	4141165	0.000371	3.22	3.22	0	ANNUAL	EXHPH1	5	
324	offsite	592315	4141165	0.000338	3.8	3.8	0	ANNUAL	EXHPH1	5	
325	offsite	590515	4141265	0	2.25	2.25	0	ANNUAL	EXHPH1	5	
326	offsite	590615	4141265	0	3.09	23.1	0	ANNUAL	EXHPH1	5	
327	offsite	590715	4141265	0.000919	13.36	23.1	0	ANNUAL	EXHPH1	5	
328	offsite	590815	4141265	0.00076	5.95	25.03	0	ANNUAL	EXHPH1	5	
329	offsite	590915	4141265	0.000939	15.4	17.5	0	ANNUAL	EXHPH1	5	
330	offsite	591015	4141265	0.0008	2.13	25.03	0	ANNUAL	EXHPH1	5	
331	Phase6	591115	4141265	0.000802	3.47	21.24	0	ANNUAL	EXHPH1	5	
332	offsite	591215	4141265	0.000756	10.44	15.68	0	ANNUAL	EXHPH1	5	
333	Phase6	591315	4141265	0.000692	13.12	13.12	0	ANNUAL	EXHPH1	5	
334	Phase6	591415	4141265	0.000626	13.64	13.64	0	ANNUAL	EXHPH1	5	
335	Phase8	591515	4141265	0.000581	12.2	12.2	0	ANNUAL	EXHPH1	5	
336	path	591615	4141265	0.000613	4.94	12.73	0	ANNUAL	EXHPH1	5	
337	path	591715	4141265	0.000557	2.72	7.81	0	ANNUAL	EXHPH1	5	
338	offsite	591815	4141265	0.000503	3.57	3.57	0	ANNUAL	EXHPH1	5	
339	offsite	591915	4141265	0.000454	2.95	2.95	0	ANNUAL	EXHPH1	5	
340	offsite	592015	4141265	0.000411	3.6	3.6	0	ANNUAL	EXHPH1	5	
341	offsite	592115	4141265	0.000373	3.45	3.45	0	ANNUAL	EXHPH1	5	
342	offsite	592215	4141265	0.000341	3.63	3.63	0	ANNUAL	EXHPH1	5	
343	offsite	592315	4141265	0.000313	3.44	3.44	0	ANNUAL	EXHPH1	5	
344	offsite	592415	4141265	0.000288	2.71	2.71	0	ANNUAL	EXHPH1	5	
345	offsite	590515	4141365	0	1.72	1.72	0	ANNUAL	EXHPH1	5	
346	offsite	590615	4141365	0	2.52	2.52	0	ANNUAL	EXHPH1	5	
347	offsite	590715	4141365	0	2.48	23.1	0	ANNUAL	EXHPH1	5	
348	offsite	590815	4141365	0	2.01	23.27	0	ANNUAL	EXHPH1	5	
349	offsite	590915	4141365	0	2.15	21.94	0	ANNUAL	EXHPH1	5	
350	Phase6	591015	4141365	0.000657	7.27	21.94	0	ANNUAL	EXHPH1	5	
351	Phase6	591115	4141365	0.000697	18.02	21.12	0	ANNUAL	EXHPH1	5	
352	Phase6	591215	4141365	0.000627	16.43	16.43	0	ANNUAL	EXHPH1	5	
353	Phase6	591315	4141365	0.000565	15.84	15.84	0	ANNUAL	EXHPH1	5	
354	Phase6	591415	4141365	0.000527	13.12	14.84	0	ANNUAL	EXHPH1	5	
355	Phase6	591515	4141365	0.000566	2.61	14.87	0	ANNUAL	EXHPH1	5	
356	path	591615	4141365	0.000525	2.71	2.71	0	ANNUAL	EXHPH1	5	
357	offsite	591715	4141365	0.000484	3.07	6.75	0	ANNUAL	EXHPH1	5	
358	offsite	591815	4141365	0.000443	3.97	3.97	0	ANNUAL	EXHPH1	5	
359	offsite	591915	4141365	0.000405	3.93	3.93	0	ANNUAL	EXHPH1	5	
360	offsite	592015	4141365	0.000371	3.18	3.18	0	ANNUAL	EXHPH1	5	

Phase 2

PHASE:	Discrete Rec	X	Y	Concentra	Elevation	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Year
	2	2	2	2	2	2	2	2	2	2
241	Phase2	591215	4140665	0.107899	7.74	7.74	0	ANNUAL	EXHPH2	5
242	offsite	591315	4140665	0.073014	5.84	7.22	0	ANNUAL	EXHPH2	5
243	offsite	591915	4140665	0.00243	2.89	2.89	0	ANNUAL	EXHPH2	5
244	offsite	592015	4140665	0.001923	0.58	0.58	0	ANNUAL	EXHPH2	5
245	offsite	592115	4140665	0.001571	0.84	0.84	0	ANNUAL	EXHPH2	5
246	offsite	592215	4140665	0.001316	2.07	8.29	0	ANNUAL	EXHPH2	5
247	path	592315	4140665	0.001122	7.57	8.32	0	ANNUAL	EXHPH2	5
248	path	592415	4140665	0.000978	3.32	8.06	0	ANNUAL	EXHPH2	5
249	path	592515	4140665	0.000862	4.93	8.51	0	ANNUAL	EXHPH2	5
250	Phase4	590515	4140765	0.004967	6.09	6.81	0	ANNUAL	EXHPH2	5
251	Phase4	590615	4140765	0.006971	7.47	7.47	0	ANNUAL	EXHPH2	5
252	Phase4	590715	4140765	0.00996	7.57	7.57	0	ANNUAL	EXHPH2	5
253	Phase3	590815	4140765	0.014179	7.99	8.34	0	ANNUAL	EXHPH2	5
254	Phase3	590915	4140765	0.020103	9.61	9.61	0	ANNUAL	EXHPH2	5
255	Phase3	591015	4140765	0.030371	11.11	11.11	0	ANNUAL	EXHPH2	5
256	Phase2	591115	4140765	0.061673	7.91	7.91	0	ANNUAL	EXHPH2	5
257	Phase2	591215	4140765	0.084951	6.84	6.84	0	ANNUAL	EXHPH2	5
258	offsite	592015	4140765	0.00166	1.63	8.34	0	ANNUAL	EXHPH2	5
259	path	592115	4140765	0.001384	4.58	8.1	0	ANNUAL	EXHPH2	5
260	path	592215	4140765	0.001177	3.32	8.32	0	ANNUAL	EXHPH2	5
261	path	592315	4140765	0.001019	6.95	8.2	0	ANNUAL	EXHPH2	5
262	offsite	590515	4140865	0	3.26	3.26	0	ANNUAL	EXHPH2	5
263	offsite	590615	4140865	0	3.35	3.35	0	ANNUAL	EXHPH2	5
264	offsite	590715	4140865	0.007129	3.94	22.32	0	ANNUAL	EXHPH2	5
265	Phase3	590815	4140865	0.009121	6.96	22.32	0	ANNUAL	EXHPH2	5
266	Phase3	590915	4140865	0.011614	7.14	7.14	0	ANNUAL	EXHPH2	5
267	Phase3	591015	4140865	0.015026	8.47	9.2	0	ANNUAL	EXHPH2	5
268	Phase3	591115	4140865	0.021494	7.45	9.44	0	ANNUAL	EXHPH2	5
269	offsite	591215	4140865	0.029979	3.69	9.28	0	ANNUAL	EXHPH2	5
270	Phase7	591315	4140865	0.014237	7.99	9.89	0	ANNUAL	EXHPH2	5
271	path	591915	4140865	0.001764	6.17	7.98	0	ANNUAL	EXHPH2	5
272	path	592115	4140865	0.001241	3.1	8.4	0	ANNUAL	EXHPH2	5
273	offsite	590515	4140965	0	3.15	3.15	0	ANNUAL	EXHPH2	5
274	offsite	590615	4140965	0	2.82	22.32	0	ANNUAL	EXHPH2	5
275	Phase5	590715	4140965	0.005312	5.28	24.93	0	ANNUAL	EXHPH2	5
276	Phase5	590815	4140965	0.006999	14.22	22.32	0	ANNUAL	EXHPH2	5
277	Phase5	590915	4140965	0.007438	3.66	25.03	0	ANNUAL	EXHPH2	5
278	Phase3	591015	4140965	0.008562	6.91	20.57	0	ANNUAL	EXHPH2	5
279	Phase3	591115	4140965	0.009421	7.74	7.74	0	ANNUAL	EXHPH2	5
280	Phase7	591215	4140965	0.009132	3.8	8.29	0	ANNUAL	EXHPH2	5
281	Phase7	591315	4140965	0.007001	9.1	9.1	0	ANNUAL	EXHPH2	5
282	Phase7	591415	4140965	0.005029	9.88	9.88	0	ANNUAL	EXHPH2	5
283	Phase8	591515	4140965	0.003593	11.54	11.8	0	ANNUAL	EXHPH2	5
284	Phase8	591615	4140965	0.002935	6.88	13.36	0	ANNUAL	EXHPH2	5
285	path	591915	4140965	0.001551	3.01	7.86	0	ANNUAL	EXHPH2	5
286	offsite	592015	4140965	0.001313	3.56	3.56	0	ANNUAL	EXHPH2	5
287	offsite	590515	4141065	0	2.84	2.84	0	ANNUAL	EXHPH2	5
288	offsite	590615	4141065	0	3.23	22.82	0	ANNUAL	EXHPH2	5
289	Phase5	590715	4141065	0.004115	10.68	24.93	0	ANNUAL	EXHPH2	5
290	Phase5	590815	4141065	0.005679	20.83	20.83	0	ANNUAL	EXHPH2	5
291	Phase5	590915	4141065	0.005759	17.41	25.03	0	ANNUAL	EXHPH2	5
292	Phase5	591015	4141065	0.005679	16.46	19.95	0	ANNUAL	EXHPH2	5
293	offsite	591115	4141065	0.005497	2.87	23.21	0	ANNUAL	EXHPH2	5
294	Phase7	591215	4141065	0.005137	7.93	7.93	0	ANNUAL	EXHPH2	5
295	Phase7	591315	4141065	0.004218	11.36	11.36	0	ANNUAL	EXHPH2	5
296	Phase7	591415	4141065	0.003172	13.73	13.73	0	ANNUAL	EXHPH2	5
297	Phase8	591515	4141065	0.002532	13.96	13.96	0	ANNUAL	EXHPH2	5
298	Phase8	591615	4141065	0.002164	12.71	12.71	0	ANNUAL	EXHPH2	5
299	Phase8	591715	4141065	0.001921	8.85	12.15	0	ANNUAL	EXHPH2	5
300	path	591815	4141065	0.00162	3.01	7.76	0	ANNUAL	EXHPH2	5
301	offsite	591915	4141065	0.001376	3.61	7.87	0	ANNUAL	EXHPH2	5
302	offsite	592015	4141065	0.001185	3.59	3.59	0	ANNUAL	EXHPH2	5
303	offsite	592115	4141065	0.001035	3.61	3.61	0	ANNUAL	EXHPH2	5
304	offsite	592215	4141065	0.000915	3.94	3.94	0	ANNUAL	EXHPH2	5
305	offsite	592315	4141065	0.000817	2.72	2.72	0	ANNUAL	EXHPH2	5
306	offsite	590515	4141165	0	2.7	2.7	0	ANNUAL	EXHPH2	5
307	offsite	590615	4141165	0	2.75	24.16	0	ANNUAL	EXHPH2	5
308	Phase5	590715	4141165	0.003911	16.6	22.82	0	ANNUAL	EXHPH2	5
309	Phase5	590815	4141165	0.004219	22.41	22.71	0	ANNUAL	EXHPH2	5
310	Phase5	590915	4141165	0.004106	18.39	18.39	0	ANNUAL	EXHPH2	5
311	offsite	591015	4141165	0.003696	11.27	23.89	0	ANNUAL	EXHPH2	5
312	Phase6	591115	4141165	0.003694	6.07	19.25	0	ANNUAL	EXHPH2	5
313	Phase6	591215	4141165	0.003418	9.88	11.06	0	ANNUAL	EXHPH2	5
314	Phase7	591315	4141165	0.002901	12.75	12.75	0	ANNUAL	EXHPH2	5
315	Phase8	591415	4141165	0.002292	14.9	14.9	0	ANNUAL	EXHPH2	5
316	Phase8	591515	4141165	0.001953	14.62	14.62	0	ANNUAL	EXHPH2	5
317	Phase8	591615	4141165	0.001855	11.03	11.03	0	ANNUAL	EXHPH2	5
318	path	591715	4141165	0.001648	3.59	10.93	0	ANNUAL	EXHPH2	5
319	path	591815	4141165	0.001409	7.42	7.42	0	ANNUAL	EXHPH2	5
320	offsite	591915	4141165	0.001225	4.1	4.1	0	ANNUAL	EXHPH2	5
321	offsite	592015	4141165	0.001073	3.19	3.19	0	ANNUAL	EXHPH2	5
322	offsite	592115	4141165	0.00095	3.59	3.59	0	ANNUAL	EXHPH2	5
323	offsite	592215	4141165	0.000849	3.22	3.22	0	ANNUAL	EXHPH2	5
324	offsite	592315	4141165	0.000766	3.8	3.8	0	ANNUAL	EXHPH2	5
325	offsite	590515	4141265	0	2.25	2.25	0	ANNUAL	EXHPH2	5
326	offsite	590615	4141265	0	3.09	23.1	0	ANNUAL	EXHPH2	5
327	offsite	590715	4141265	0.002714	13.36	23.1	0	ANNUAL	EXHPH2	5
328	offsite	590815	4141265	0.002633	5.95	25.03	0	ANNUAL	EXHPH2	5
329	offsite	590915	4141265	0.002934	15.4	17.5	0	ANNUAL	EXHPH2	5
330	offsite	591015	4141265	0.002752	2.13	25.03	0	ANNUAL	EXHPH2	5
331	Phase6	591115	4141265	0.002703	3.47	21.24	0	ANNUAL	EXHPH2	5
332	offsite	591215	4141265	0.002515	10.44	15.68	0	ANNUAL	EXHPH2	5
333	Phase6	591315	4141265	0.00218	13.12	13.12	0	ANNUAL	EXHPH2	5
334	Phase6	591415	4141265	0.001883	13.64	13.64	0	ANNUAL	EXHPH2	5
335	Phase8	591515	4141265	0.001733	12.2	12.2	0	ANNUAL	EXHPH2	5
336	path	591615	4141265	0.001619	4.94	12.73	0	ANNUAL	EXHPH2	5
337	path	591715	4141265	0.001411	2.72	7.81	0	ANNUAL	EXHPH2	5
338	offsite	591815	4141265	0.001238	3.57	3.57	0	ANNUAL	EXHPH2	5
339	offsite	591915	4141265	0.001093	2.95	2.95	0	ANNUAL	EXHPH2	5
340	offsite	592015	4141265	0.000973	3.6	3.6	0	ANNUAL	EXHPH2	5
341	offsite	592115	4141265	0.000872	3.45	3.45	0	ANNUAL	EXHPH2	5
342	offsite	592215	4141265	0.000788	3.63	3.63	0	ANNUAL	EXHPH2	5
343	offsite	592315	4141265	0.000717	3.44	3.44	0	ANNUAL	EXHPH2	5
344	offsite	592415	4141265	0.000656	2.71	2.71	0	ANNUAL	EXHPH2	5
345	offsite	590515	4141365	0	1.72	1.72	0	ANNUAL	EXHPH2	5
346	offsite	590615	4141365	0	2.52	2.52	0	ANNUAL	EXHPH2	5
347	offsite	590715	4141365	0	2.48	23.1	0	ANNUAL	EXHPH2	5
348	offsite	590815	4141365	0	2.01	23.27	0	ANNUAL	EXHPH2	5
349	offsite	590915	4141365	0	2.15	21.94	0	ANNUAL	EXHPH2	5
350	Phase6	591015	4141365	0.002134	7.27	21.94	0	ANNUAL	EXHPH2	5
351	Phase6	591115	4141365	0.002009	18.02	21.12	0	ANNUAL	EXHPH2	5
352	Phase6	591215	4141365	0.001811	16.43	16.43	0	ANNUAL	EXHPH2	5
353	Phase6	591315	4141365	0.001626	15.84	15.84	0	ANNUAL	EXHPH2	5
354	Phase6	591415	4141365	0.001565	13.12	14.84	0	ANNUAL	EXHPH2	5
355	Phase6	591515	4141365	0.001537	2.61	14.87	0	ANNUAL	EXHPH2	5
356	path	591615	4141365	0.001372	2.71	2.71	0	ANNUAL	EXHPH2	5
357	offsite	591715	4141365	0.001223	3.07	6.75	0	ANNUAL	EXHPH2	5
358	offsite	591815	4141365	0.001093	3.97	3.97	0	ANNUAL	EXHPH2	5
359	offsite	591915	4141365	0.00098	3.93	3.93	0	ANNUAL	EXHPH2	5
360	offsite	592015	4141365	0.000883	3.18	3.18	0	ANNUAL	EXHPH2	5

Phase 3

PHASE:	Discrete R	X	Y	Concentra	Elevation	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Year
	3	3	3	3	3	3	3	3	3	3
241	Phase2	591215	4140665	0.006735	7.74	7.74	0	ANNUAL	EXHPH3	5
242	offsite	591315	4140665	0.004599	5.84	7.22	0	ANNUAL	EXHPH3	5
243	offsite	591915	4140665	0.00069	2.89	2.89	0	ANNUAL	EXHPH3	5
244	offsite	592015	4140665	0.000551	0.58	0.58	0	ANNUAL	EXHPH3	5
245	offsite	592115	4140665	0.00045	0.84	0.84	0	ANNUAL	EXHPH3	5
246	offsite	592215	4140665	0.000374	2.07	8.29	0	ANNUAL	EXHPH3	5
247	path	592315	4140665	0.000318	7.57	8.32	0	ANNUAL	EXHPH3	5
248	path	592415	4140665	0.000273	3.32	8.06	0	ANNUAL	EXHPH3	5
249	path	592515	4140665	0.000239	4.93	8.51	0	ANNUAL	EXHPH3	5
250	Phase4	590515	4140765	0.001779	6.09	6.81	0	ANNUAL	EXHPH3	5
251	Phase4	590615	4140765	0.003507	7.47	7.47	0	ANNUAL	EXHPH3	5
252	Phase4	590715	4140765	0.012285	7.57	7.57	0	ANNUAL	EXHPH3	5
253	Phase3	590815	4140765	0.033864	7.99	8.34	0	ANNUAL	EXHPH3	5
254	Phase3	590915	4140765	0.039298	9.61	9.61	0	ANNUAL	EXHPH3	5
255	Phase3	591015	4140765	0.037498	11.11	11.11	0	ANNUAL	EXHPH3	5
256	Phase2	591115	4140765	0.023474	7.91	7.91	0	ANNUAL	EXHPH3	5
257	Phase2	591215	4140765	0.01005	6.84	6.84	0	ANNUAL	EXHPH3	5
258	offsite	592015	4140765	0.000479	1.63	8.34	0	ANNUAL	EXHPH3	5
259	path	592115	4140765	0.000394	4.58	8.1	0	ANNUAL	EXHPH3	5
260	path	592215	4140765	0.000331	3.32	8.32	0	ANNUAL	EXHPH3	5
261	path	592315	4140765	0.000283	6.95	8.2	0	ANNUAL	EXHPH3	5
262	offsite	590515	4140865	0	3.26	3.26	0	ANNUAL	EXHPH3	5
263	offsite	590615	4140865	0	3.35	3.35	0	ANNUAL	EXHPH3	5
264	offsite	590715	4140865	0.012512	3.94	22.32	0	ANNUAL	EXHPH3	5
265	Phase3	590815	4140865	0.028063	6.96	22.32	0	ANNUAL	EXHPH3	5
266	Phase3	590915	4140865	0.037001	7.14	7.14	0	ANNUAL	EXHPH3	5
267	Phase3	591015	4140865	0.039146	8.47	9.2	0	ANNUAL	EXHPH3	5
268	Phase3	591115	4140865	0.035729	7.45	9.44	0	ANNUAL	EXHPH3	5
269	offsite	591215	4140865	0.014964	3.69	9.28	0	ANNUAL	EXHPH3	5
270	Phase7	591315	4140865	0.005531	7.99	9.89	0	ANNUAL	EXHPH3	5
271	path	591915	4140865	0.000509	6.17	7.98	0	ANNUAL	EXHPH3	5
272	path	592115	4140865	0.000345	3.1	8.4	0	ANNUAL	EXHPH3	5
273	offsite	590515	4140965	0	3.15	3.15	0	ANNUAL	EXHPH3	5
274	offsite	590615	4140965	0	2.82	22.32	0	ANNUAL	EXHPH3	5
275	Phase5	590715	4140965	0.005159	5.28	24.93	0	ANNUAL	EXHPH3	5
276	Phase5	590815	4140965	0.008548	14.22	22.32	0	ANNUAL	EXHPH3	5
277	Phase5	590915	4140965	0.015417	3.66	25.03	0	ANNUAL	EXHPH3	5
278	Phase3	591015	4140965	0.026938	6.91	20.57	0	ANNUAL	EXHPH3	5
279	Phase3	591115	4140965	0.030215	7.74	7.74	0	ANNUAL	EXHPH3	5
280	Phase7	591215	4140965	0.00984	3.8	8.29	0	ANNUAL	EXHPH3	5
281	Phase7	591315	4140965	0.003812	9.1	9.1	0	ANNUAL	EXHPH3	5
282	Phase7	591415	4140965	0.002025	9.88	9.88	0	ANNUAL	EXHPH3	5
283	Phase8	591515	4140965	0.001255	11.54	11.8	0	ANNUAL	EXHPH3	5
284	Phase8	591615	4140965	0.000929	6.88	13.36	0	ANNUAL	EXHPH3	5
285	path	591915	4140965	0.000435	3.01	7.86	0	ANNUAL	EXHPH3	5
286	offsite	592015	4140965	0.000361	3.56	3.56	0	ANNUAL	EXHPH3	5
287	offsite	590515	4141065	0	2.84	2.84	0	ANNUAL	EXHPH3	5
288	offsite	590615	4141065	0	3.23	22.82	0	ANNUAL	EXHPH3	5
289	Phase5	590715	4141065	0.003017	10.68	24.93	0	ANNUAL	EXHPH3	5
290	Phase5	590815	4141065	0.004488	20.83	20.83	0	ANNUAL	EXHPH3	5
291	Phase5	590915	4141065	0.005696	17.41	25.03	0	ANNUAL	EXHPH3	5
292	Phase5	591015	4141065	0.007859	16.46	19.95	0	ANNUAL	EXHPH3	5
293	offsite	591115	4141065	0.010474	2.87	23.21	0	ANNUAL	EXHPH3	5
294	Phase7	591215	4141065	0.004364	7.93	7.93	0	ANNUAL	EXHPH3	5
295	Phase7	591315	4141065	0.002139	11.36	11.36	0	ANNUAL	EXHPH3	5
296	Phase7	591415	4141065	0.001249	13.73	13.73	0	ANNUAL	EXHPH3	5
297	Phase8	591515	4141065	0.000872	13.96	13.96	0	ANNUAL	EXHPH3	5
298	Phase8	591615	4141065	0.000681	12.71	12.71	0	ANNUAL	EXHPH3	5
299	Phase8	591715	4141065	0.000569	8.85	12.15	0	ANNUAL	EXHPH3	5
300	path	591815	4141065	0.000462	3.01	7.76	0	ANNUAL	EXHPH3	5
301	offsite	591915	4141065	0.000381	3.61	7.87	0	ANNUAL	EXHPH3	5
302	offsite	592015	4141065	0.000321	3.59	3.59	0	ANNUAL	EXHPH3	5
303	offsite	592115	4141065	0.000276	3.61	3.61	0	ANNUAL	EXHPH3	5
304	offsite	592215	4141065	0.000241	3.94	3.94	0	ANNUAL	EXHPH3	5
305	offsite	592315	4141065	0.000213	2.72	2.72	0	ANNUAL	EXHPH3	5
306	offsite	590515	4141165	0	2.7	2.7	0	ANNUAL	EXHPH3	5
307	offsite	590615	4141165	0	2.75	24.16	0	ANNUAL	EXHPH3	5
308	Phase5	590715	4141165	0.002425	16.6	22.82	0	ANNUAL	EXHPH3	5
309	Phase5	590815	4141165	0.002791	22.41	22.71	0	ANNUAL	EXHPH3	5
310	Phase5	590915	4141165	0.003071	18.39	18.39	0	ANNUAL	EXHPH3	5
311	offsite	591015	4141165	0.003171	11.27	23.89	0	ANNUAL	EXHPH3	5
312	Phase6	591115	4141165	0.003066	6.07	19.25	0	ANNUAL	EXHPH3	5
313	Phase6	591215	4141165	0.002081	9.88	11.06	0	ANNUAL	EXHPH3	5
314	Phase7	591315	4141165	0.00132	12.75	12.75	0	ANNUAL	EXHPH3	5
315	Phase8	591415	4141165	0.000881	14.9	14.9	0	ANNUAL	EXHPH3	5
316	Phase8	591515	4141165	0.000673	14.62	14.62	0	ANNUAL	EXHPH3	5
317	Phase8	591615	4141165	0.000591	11.03	11.03	0	ANNUAL	EXHPH3	5
318	path	591715	4141165	0.000493	3.59	10.93	0	ANNUAL	EXHPH3	5
319	path	591815	4141165	0.000404	7.42	7.42	0	ANNUAL	EXHPH3	5
320	offsite	591915	4141165	0.000341	4.1	4.1	0	ANNUAL	EXHPH3	5
321	offsite	592015	4141165	0.000292	3.19	3.19	0	ANNUAL	EXHPH3	5
322	offsite	592115	4141165	0.000254	3.59	3.59	0	ANNUAL	EXHPH3	5
323	offsite	592215	4141165	0.000223	3.22	3.22	0	ANNUAL	EXHPH3	5
324	offsite	592315	4141165	0.000199	3.8	3.8	0	ANNUAL	EXHPH3	5
325	offsite	590515	4141265	0	2.25	2.25	0	ANNUAL	EXHPH3	5
326	offsite	590615	4141265	0	3.09	23.1	0	ANNUAL	EXHPH3	5
327	offsite	590715	4141265	0.001542	13.36	23.1	0	ANNUAL	EXHPH3	5
328	offsite	590815	4141265	0.001591	5.95	25.03	0	ANNUAL	EXHPH3	5
329	offsite	590915	4141265	0.001787	15.4	17.5	0	ANNUAL	EXHPH3	5
330	offsite	591015	4141265	0.001754	2.13	25.03	0	ANNUAL	EXHPH3	5
331	Phase6	591115	4141265	0.001613	3.47	21.24	0	ANNUAL	EXHPH3	5
332	offsite	591215	4141265	0.00127	10.44	15.68	0	ANNUAL	EXHPH3	5
333	Phase6	591315	4141265	0.000913	13.12	13.12	0	ANNUAL	EXHPH3	5
334	Phase6	591415	4141265	0.000705	13.64	13.64	0	ANNUAL	EXHPH3	5
335	Phase8	591515	4141265	0.000598	12.2	12.2	0	ANNUAL	EXHPH3	5
336	path	591615	4141265	0.000519	4.94	12.73	0	ANNUAL	EXHPH3	5
337	path	591715	4141265	0.000428	2.72	7.81	0	ANNUAL	EXHPH3	5
338	offsite	591815	4141265	0.00036	3.57	3.57	0	ANNUAL	EXHPH3	5
339	offsite	591915	4141265	0.000308	2.95	2.95	0	ANNUAL	EXHPH3	5
340	offsite	592015	4141265	0.000267	3.6	3.6	0	ANNUAL	EXHPH3	5
341	offsite	592115	4141265	0.000235	3.45	3.45	0	ANNUAL	EXHPH3	5
342	offsite	592215	4141265	0.000209	3.63	3.63	0	ANNUAL	EXHPH3	5
343	offsite	592315	4141265	0.000188	3.44	3.44	0	ANNUAL	EXHPH3	5
344	offsite	592415	4141265	0.00017	2.71	2.71	0	ANNUAL	EXHPH3	5
345	offsite	590515	4141365	0	1.72	1.72	0	ANNUAL	EXHPH3	5
346	offsite	590615	4141365	0	2.52	2.52	0	ANNUAL	EXHPH3	5
347	offsite	590715	4141365	0	2.48	23.1	0	ANNUAL	EXHPH3	5
348	offsite	590815	4141365	0	2.01	23.27	0	ANNUAL	EXHPH3	5
349	offsite	590915	4141365	0	2.15	21.94	0	ANNUAL	EXHPH3	5
350	Phase6	591015	4141365	0.001117	7.27	21.94	0	ANNUAL	EXHPH3	5
351	Phase6	591115	4141365	0.000886	18.02	21.12	0	ANNUAL	EXHPH3	5
352	Phase6	591215	4141365	0.00075	16.43	16.43	0	ANNUAL	EXHPH3	5
353	Phase6	591315	4141365	0.000626	15.84	15.84	0	ANNUAL	EXHPH3	5
354	Phase6	591415	4141365	0.000564	13.12	14.84	0	ANNUAL	EXHPH3	5
355	Phase6	591515	4141365	0.000527	2.61	14.87	0	ANNUAL	EXHPH3	5
356	path	591615	4141365	0.00044	2.71	2.71	0	ANNUAL	EXHPH3	5
357	offsite	591715	4141365	0.000373	3.07	6.75	0	ANNUAL	EXHPH3	5
358	offsite	591815	4141365	0.000321	3.97	3.97	0	ANNUAL	EXHPH3	5
359	offsite	591915	4141365	0.000279	3.93	3.93	0	ANNUAL	EXHPH3	5
360	offsite	592015	4141365	0.000246	3.18	3.18	0	ANNUAL	EXHPH3	5

Phase 4

PHASE:	Discrete R	X	Y	Concentra	Elevation	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
	4	4	4	4	4	4	4	4	4	4
241	Phase2	591215	4140665	0.002359	7.74	7.74	0	ANNUAL	EXHPH4	5
242	offsite	591315	4140665	0.001666	5.84	7.22	0	ANNUAL	EXHPH4	5
243	offsite	591915	4140665	0.000445	2.89	2.89	0	ANNUAL	EXHPH4	5
244	offsite	592015	4140665	0.000386	0.58	0.58	0	ANNUAL	EXHPH4	5
245	offsite	592115	4140665	0.000339	0.84	0.84	0	ANNUAL	EXHPH4	5
246	offsite	592215	4140665	0.000302	2.07	8.29	0	ANNUAL	EXHPH4	5
247	path	592315	4140665	0.000271	7.57	8.32	0	ANNUAL	EXHPH4	5
248	path	592415	4140665	0.000246	3.32	8.06	0	ANNUAL	EXHPH4	5
249	path	592515	4140665	0.000225	4.93	8.51	0	ANNUAL	EXHPH4	5
250	Phase4	590515	4140765	0.04359	6.09	6.81	0	ANNUAL	EXHPH4	5
251	Phase4	590615	4140765	0.079817	7.47	7.47	0	ANNUAL	EXHPH4	5
252	Phase4	590715	4140765	0.072357	7.57	7.57	0	ANNUAL	EXHPH4	5
253	Phase3	590815	4140765	0.021065	7.99	8.34	0	ANNUAL	EXHPH4	5
254	Phase3	590915	4140765	0.008051	9.61	9.61	0	ANNUAL	EXHPH4	5
255	Phase3	591015	4140765	0.004091	11.11	11.11	0	ANNUAL	EXHPH4	5
256	Phase2	591115	4140765	0.002678	7.91	7.91	0	ANNUAL	EXHPH4	5
257	Phase2	591215	4140765	0.001833	6.84	6.84	0	ANNUAL	EXHPH4	5
258	offsite	592015	4140765	0.000351	1.63	8.34	0	ANNUAL	EXHPH4	5
259	path	592115	4140765	0.000312	4.58	8.1	0	ANNUAL	EXHPH4	5
260	path	592215	4140765	0.00028	3.32	8.32	0	ANNUAL	EXHPH4	5
261	path	592315	4140765	0.000253	6.95	8.2	0	ANNUAL	EXHPH4	5
262	offsite	590515	4140865	0	3.26	3.26	0	ANNUAL	EXHPH4	5
263	offsite	590615	4140865	0	3.35	3.35	0	ANNUAL	EXHPH4	5
264	offsite	590715	4140865	0.023425	3.94	22.32	0	ANNUAL	EXHPH4	5
265	Phase3	590815	4140865	0.009233	6.96	22.32	0	ANNUAL	EXHPH4	5
266	Phase3	590915	4140865	0.004884	7.14	7.14	0	ANNUAL	EXHPH4	5
267	Phase3	591015	4140865	0.002909	8.47	9.2	0	ANNUAL	EXHPH4	5
268	Phase3	591115	4140865	0.001985	7.45	9.44	0	ANNUAL	EXHPH4	5
269	offsite	591215	4140865	0.001438	3.69	9.28	0	ANNUAL	EXHPH4	5
270	Phase7	591315	4140865	0.001072	7.99	9.89	0	ANNUAL	EXHPH4	5
271	path	591915	4140865	0.000366	6.17	7.98	0	ANNUAL	EXHPH4	5
272	path	592115	4140865	0.00029	3.1	8.4	0	ANNUAL	EXHPH4	5
273	offsite	590515	4140965	0	3.15	3.15	0	ANNUAL	EXHPH4	5
274	offsite	590615	4140965	0	2.82	22.32	0	ANNUAL	EXHPH4	5
275	Phase5	590715	4140965	0.006259	5.28	24.93	0	ANNUAL	EXHPH4	5
276	Phase5	590815	4140965	0.003558	14.22	22.32	0	ANNUAL	EXHPH4	5
277	Phase5	590915	4140965	0.003023	3.66	25.03	0	ANNUAL	EXHPH4	5
278	Phase3	591015	4140965	0.002094	6.91	20.57	0	ANNUAL	EXHPH4	5
279	Phase3	591115	4140965	0.001512	7.74	7.74	0	ANNUAL	EXHPH4	5
280	Phase7	591215	4140965	0.001159	3.8	8.29	0	ANNUAL	EXHPH4	5
281	Phase7	591315	4140965	0.000888	9.1	9.1	0	ANNUAL	EXHPH4	5
282	Phase7	591415	4140965	0.000713	9.88	9.88	0	ANNUAL	EXHPH4	5
283	Phase8	591515	4140965	0.000574	11.54	11.8	0	ANNUAL	EXHPH4	5
284	Phase8	591615	4140965	0.000513	6.88	13.36	0	ANNUAL	EXHPH4	5
285	path	591915	4140965	0.00034	3.01	7.86	0	ANNUAL	EXHPH4	5
286	offsite	592015	4140965	0.000303	3.56	3.56	0	ANNUAL	EXHPH4	5
287	offsite	590515	4141065	0	2.84	2.84	0	ANNUAL	EXHPH4	5
288	offsite	590615	4141065	0	3.23	22.82	0	ANNUAL	EXHPH4	5
289	Phase5	590715	4141065	0.00296	10.68	24.93	0	ANNUAL	EXHPH4	5
290	Phase5	590815	4141065	0.001919	20.83	20.83	0	ANNUAL	EXHPH4	5
291	Phase5	590915	4141065	0.001543	17.41	25.03	0	ANNUAL	EXHPH4	5
292	Phase5	591015	4141065	0.001211	16.46	19.95	0	ANNUAL	EXHPH4	5
293	offsite	591115	4141065	0.001204	2.87	23.21	0	ANNUAL	EXHPH4	5
294	Phase7	591215	4141065	0.000946	7.93	7.93	0	ANNUAL	EXHPH4	5
295	Phase7	591315	4141065	0.000732	11.36	11.36	0	ANNUAL	EXHPH4	5
296	Phase7	591415	4141065	0.000563	13.73	13.73	0	ANNUAL	EXHPH4	5
297	Phase8	591515	4141065	0.000474	13.96	13.96	0	ANNUAL	EXHPH4	5
298	Phase8	591615	4141065	0.000426	12.71	12.71	0	ANNUAL	EXHPH4	5
299	Phase8	591715	4141065	0.0004	8.85	12.15	0	ANNUAL	EXHPH4	5
300	path	591815	4141065	0.000357	3.01	7.76	0	ANNUAL	EXHPH4	5
301	offsite	591915	4141065	0.000318	3.61	7.87	0	ANNUAL	EXHPH4	5
302	offsite	592015	4141065	0.000286	3.59	3.59	0	ANNUAL	EXHPH4	5
303	offsite	592115	4141065	0.000259	3.61	3.61	0	ANNUAL	EXHPH4	5
304	offsite	592215	4141065	0.000237	3.94	3.94	0	ANNUAL	EXHPH4	5
305	offsite	592315	4141065	0.000218	2.72	2.72	0	ANNUAL	EXHPH4	5
306	offsite	590515	4141165	0	2.7	2.7	0	ANNUAL	EXHPH4	5
307	offsite	590615	4141165	0	2.75	24.16	0	ANNUAL	EXHPH4	5
308	Phase5	590715	4141165	0.001702	16.6	22.82	0	ANNUAL	EXHPH4	5
309	Phase5	590815	4141165	0.001301	22.41	22.71	0	ANNUAL	EXHPH4	5
310	Phase5	590915	4141165	0.001114	18.39	18.39	0	ANNUAL	EXHPH4	5
311	offsite	591015	4141165	0.001102	11.27	23.89	0	ANNUAL	EXHPH4	5
312	Phase6	591115	4141165	0.000965	6.07	19.25	0	ANNUAL	EXHPH4	5
313	Phase6	591215	4141165	0.000773	9.88	11.06	0	ANNUAL	EXHPH4	5
314	Phase7	591315	4141165	0.000601	12.75	12.75	0	ANNUAL	EXHPH4	5
315	Phase8	591415	4141165	0.000478	14.9	14.9	0	ANNUAL	EXHPH4	5
316	Phase8	591515	4141165	0.000417	14.62	14.62	0	ANNUAL	EXHPH4	5
317	Phase8	591615	4141165	0.000409	11.03	11.03	0	ANNUAL	EXHPH4	5
318	path	591715	4141165	0.000374	3.59	10.93	0	ANNUAL	EXHPH4	5
319	path	591815	4141165	0.000332	7.42	7.42	0	ANNUAL	EXHPH4	5
320	offsite	591915	4141165	0.000299	4.1	4.1	0	ANNUAL	EXHPH4	5
321	offsite	592015	4141165	0.000271	3.19	3.19	0	ANNUAL	EXHPH4	5
322	offsite	592115	4141165	0.000247	3.59	3.59	0	ANNUAL	EXHPH4	5
323	offsite	592215	4141165	0.000227	3.22	3.22	0	ANNUAL	EXHPH4	5
324	offsite	592315	4141165	0.000209	3.8	3.8	0	ANNUAL	EXHPH4	5
325	offsite	590515	4141265	0	2.25	2.25	0	ANNUAL	EXHPH4	5
326	offsite	590615	4141265	0	3.09	23.1	0	ANNUAL	EXHPH4	5
327	offsite	590715	4141265	0.00123	13.36	23.1	0	ANNUAL	EXHPH4	5
328	offsite	590815	4141265	0.001223	5.95	25.03	0	ANNUAL	EXHPH4	5
329	offsite	590915	4141265	0.000892	15.4	17.5	0	ANNUAL	EXHPH4	5
330	offsite	591015	4141265	0.000923	2.13	25.03	0	ANNUAL	EXHPH4	5
331	Phase6	591115	4141265	0.000787	3.47	21.24	0	ANNUAL	EXHPH4	5
332	offsite	591215	4141265	0.000649	10.44	15.68	0	ANNUAL	EXHPH4	5
333	Phase6	591315	4141265	0.000509	13.12	13.12	0	ANNUAL	EXHPH4	5
334	Phase6	591415	4141265	0.000436	13.64	13.64	0	ANNUAL	EXHPH4	5
335	Phase8	591515	4141265	0.000407	12.2	12.2	0	ANNUAL	EXHPH4	5
336	path	591615	4141265	0.000387	4.94	12.73	0	ANNUAL	EXHPH4	5
337	path	591715	4141265	0.000345	2.72	7.81	0	ANNUAL	EXHPH4	5
338	offsite	591815	4141265	0.00031	3.57	3.57	0	ANNUAL	EXHPH4	5
339	offsite	591915	4141265	0.000281	2.95	2.95	0	ANNUAL	EXHPH4	5
340	offsite	592015	4141265	0.000256	3.6	3.6	0	ANNUAL	EXHPH4	5
341	offsite	592115	4141265	0.000235	3.45	3.45	0	ANNUAL	EXHPH4	5
342	offsite	592215	4141265	0.000217	3.63	3.63	0	ANNUAL	EXHPH4	5
343	offsite	592315	4141265	0.000201	3.44	3.44	0	ANNUAL	EXHPH4	5
344	offsite	592415	4141265	0.000187	2.71	2.71	0	ANNUAL	EXHPH4	5
345	offsite	590515	4141365	0	1.72	1.72	0	ANNUAL	EXHPH4	5
346	offsite	590615	4141365	0	2.52	2.52	0	ANNUAL	EXHPH4	5
347	offsite	590715	4141365	0	2.48	23.1	0	ANNUAL	EXHPH4	5
348	offsite	590815	4141365	0	2.01	23.27	0	ANNUAL	EXHPH4	5
349	offsite	590915	4141365	0	2.15	21.94	0	ANNUAL	EXHPH4	5
350	Phase6	591015	4141365	0.000742	7.27	21.94	0	ANNUAL	EXHPH4	5
351	Phase6	591115	4141365	0.000517	18.02	21.12	0	ANNUAL	EXHPH4	5
352	Phase6	591215	4141365	0.000459	16.43	16.43	0	ANNUAL	EXHPH4	5
353	Phase6	591315	4141365	0.000408	15.84	15.84	0	ANNUAL	EXHPH4	5
354	Phase6	591415	4141365	0.000392	13.12	14.84	0	ANNUAL	EXHPH4	5
355	Phase6	591515	4141365	0.000394	2.61	14.87	0	ANNUAL	EXHPH4	5
356	path	591615	4141365	0.000353	2.71	2.71	0	ANNUAL	EXHPH4	5
357	offsite	591715	4141365	0.000318	3.07	6.75	0	ANNUAL	EXHPH4	5
358	offsite	591815	4141365	0.000289	3.97	3.97	0	ANNUAL	EXHPH4	5
359	offsite	591915	4141365	0.000264	3.93	3.93	0	ANNUAL	EXHPH4	5
360	offsite	592015	4141365	0.000242	3.18	3.18	0	ANNUAL	EXHPH4	5

Phase 1

PHASE:	1	1	1	1	1	1	1	1	1	1	1
	Discrete Rec	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Year	Net ID
361	offsite	592115	4141365	0.00034	3.14	3.14	0	ANNUAL	EXHPH1	5	
362	offsite	592215	4141365	0.000314	3.18	3.18	0	ANNUAL	EXHPH1	5	
363	offsite	592315	4141365	0.00029	3.52	3.52	0	ANNUAL	EXHPH1	5	
364	offsite	592415	4141365	0.000269	3.81	3.81	0	ANNUAL	EXHPH1	5	
365	offsite	592515	4141365	0.000251	2.85	2.85	0	ANNUAL	EXHPH1	5	
366	offsite	590615	4141465	0	3.11	11.59	0	ANNUAL	EXHPH1	5	
367	offsite	590715	4141465	0	2.8	2.8	0	ANNUAL	EXHPH1	5	
368	offsite	590815	4141465	0	1.88	1.88	0	ANNUAL	EXHPH1	5	
369	offsite	590915	4141465	0	1.9	21.94	0	ANNUAL	EXHPH1	5	
370	Phase6	591015	4141465	0.000619	15.33	21.94	0	ANNUAL	EXHPH1	5	
371	Phase6	591115	4141465	0.000586	18.25	18.25	0	ANNUAL	EXHPH1	5	
372	Phase6	591215	4141465	0.000529	18.08	18.08	0	ANNUAL	EXHPH1	5	
373	Phase6	591315	4141465	0.000481	14.98	14.98	0	ANNUAL	EXHPH1	5	
374	Phase6	591415	4141465	0.000485	9.35	11.15	0	ANNUAL	EXHPH1	5	
375	path	591515	4141465	0.000487	2.71	12.32	0	ANNUAL	EXHPH1	5	
376	offsite	591615	4141465	0.000457	2.74	6.86	0	ANNUAL	EXHPH1	5	
377	offsite	591715	4141465	0.000425	1.12	1.12	0	ANNUAL	EXHPH1	5	
378	offsite	591815	4141465	0.000394	3.94	3.94	0	ANNUAL	EXHPH1	5	
379	offsite	591915	4141465	0.000364	4.04	4.04	0	ANNUAL	EXHPH1	5	
380	offsite	592015	4141465	0.000337	3.84	3.84	0	ANNUAL	EXHPH1	5	
381	offsite	592115	4141465	0.000312	3.81	3.81	0	ANNUAL	EXHPH1	5	
382	offsite	592215	4141465	0.00029	3.84	3.84	0	ANNUAL	EXHPH1	5	
383	offsite	592315	4141465	0.00027	3.78	3.78	0	ANNUAL	EXHPH1	5	
384	offsite	592415	4141465	0.000252	3.46	3.46	0	ANNUAL	EXHPH1	5	
385	offsite	590815	4141565	0	2.51	11.72	0	ANNUAL	EXHPH1	5	
386	offsite	590915	4141565	0	2.47	21.94	0	ANNUAL	EXHPH1	5	
387	Phase6	591015	4141565	0.000483	2.02	21.94	0	ANNUAL	EXHPH1	5	
388	Phase6	591115	4141565	0.00048	12.39	21.53	0	ANNUAL	EXHPH1	5	
389	Phase6	591215	4141565	0.000452	14.73	14.73	0	ANNUAL	EXHPH1	5	
390	Phase6	591315	4141565	0.000421	11.93	12.68	0	ANNUAL	EXHPH1	5	
391	path	591415	4141565	0.000446	4.46	12.44	0	ANNUAL	EXHPH1	5	
392	path	591515	4141565	0.000426	4.3	6.63	0	ANNUAL	EXHPH1	5	
393	offsite	591615	4141565	0.000402	1.35	1.35	0	ANNUAL	EXHPH1	5	
394	offsite	591715	4141565	0.000378	1.18	1.18	0	ANNUAL	EXHPH1	5	
395	offsite	591815	4141565	0.000354	1.57	1.57	0	ANNUAL	EXHPH1	5	
396	offsite	591915	4141565	0.00033	1.59	1.59	0	ANNUAL	EXHPH1	5	
397	offsite	592015	4141565	0.000308	1.72	1.72	0	ANNUAL	EXHPH1	5	
398	offsite	592115	4141565	0.000287	2.21	2.21	0	ANNUAL	EXHPH1	5	
399	offsite	592215	4141565	0.000268	1.88	1.88	0	ANNUAL	EXHPH1	5	
400	offsite	592315	4141565	0.000252	3.97	3.97	0	ANNUAL	EXHPH1	5	
401	offsite	590915	4141665	0	3.72	10.08	0	ANNUAL	EXHPH1	5	
402	Phase6	591015	4141665	0.000423	1.16	21.94	0	ANNUAL	EXHPH1	5	
403	Phase6	591115	4141665	0.000419	0.27	21.94	0	ANNUAL	EXHPH1	5	
404	Phase6	591215	4141665	0.000414	1.69	17.36	0	ANNUAL	EXHPH1	5	
405	Phase6	591315	4141665	0.000404	1.94	13.61	0	ANNUAL	EXHPH1	5	
406	path	591415	4141665	0.000392	2.71	6.63	0	ANNUAL	EXHPH1	5	
407	offsite	591515	4141665	0.000376	1.22	6.65	0	ANNUAL	EXHPH1	5	
408	offsite	591615	4141665	0.000359	0.58	0.58	0	ANNUAL	EXHPH1	5	
409	offsite	591715	4141665	0.00034	1.1	1.1	0	ANNUAL	EXHPH1	5	
410	offsite	591815	4141665	0.00032	1.5	1.5	0	ANNUAL	EXHPH1	5	
411	offsite	591915	4141665	0.000301	1.57	1.57	0	ANNUAL	EXHPH1	5	
412	offsite	592015	4141665	0.000283	1.79	1.79	0	ANNUAL	EXHPH1	5	
413	offsite	592115	4141665	0.000266	1.9	1.9	0	ANNUAL	EXHPH1	5	
414	offsite	592215	4141665	0.00025	2.19	3.39	0	ANNUAL	EXHPH1	5	
415	Phase6	591115	4141765	0.000372	1.5	8.76	0	ANNUAL	EXHPH1	5	
416	Phase6	591215	4141765	0.000366	0.27	8.75	0	ANNUAL	EXHPH1	5	
417	path	591315	4141765	0.000359	2.71	6.85	0	ANNUAL	EXHPH1	5	
418	offsite	591415	4141765	0.00035	3.75	6.28	0	ANNUAL	EXHPH1	5	
419	offsite	591515	4141765	0.000337	1.22	1.22	0	ANNUAL	EXHPH1	5	
420	offsite	591615	4141765	0.000323	1.64	1.64	0	ANNUAL	EXHPH1	5	
421	offsite	591715	4141765	0.000308	2.1	2.1	0	ANNUAL	EXHPH1	5	
422	offsite	591815	4141765	0.000292	1.47	1.47	0	ANNUAL	EXHPH1	5	
423	offsite	591915	4141765	0.000277	2.58	2.58	0	ANNUAL	EXHPH1	5	
424	offsite	592015	4141765	0.000262	2.57	2.57	0	ANNUAL	EXHPH1	5	
425	offsite	592115	4141765	0.000247	2.49	10.31	0	ANNUAL	EXHPH1	5	
426	offsite	590915	4141965	0.000306	4.64	4.64	0	ANNUAL	EXHPH1	5	
427	path	591215	4141965	0.000298	1.81	5.94	0	ANNUAL	EXHPH1	5	
428	path	591315	4141965	0.000293	2.71	6.26	0	ANNUAL	EXHPH1	5	
429	offsite	590815	4142065	0.000279	4.48	4.48	0	ANNUAL	EXHPH1	5	
430	offsite	590915	4142065	0.000279	4.32	4.32	0	ANNUAL	EXHPH1	5	
431	offsite	591015	4142065	0.000278	4.33	4.33	0	ANNUAL	EXHPH1	5	
432	path	591115	4142065	0.000275	1.85	6.79	0	ANNUAL	EXHPH1	5	
433	path	591215	4142065	0.000272	2.97	2.97	0	ANNUAL	EXHPH1	5	
434	offsite	590715	4142165	0.000257	4.74	4.74	0	ANNUAL	EXHPH1	5	
435	offsite	590815	4142165	0.000257	4.43	4.43	0	ANNUAL	EXHPH1	5	
436	path	590915	4142165	0.000257	4.76	5.44	0	ANNUAL	EXHPH1	5	
437	path	591015	4142165	0.000255	2.7	6.62	0	ANNUAL	EXHPH1	5	
438	path	591115	4142165	0.000253	2.71	2.71	0	ANNUAL	EXHPH1	5	
439	path	590415	4142265	0.000234	2.1	2.1	0	ANNUAL	EXHPH1	5	
440	path	590515	4142265	0.000236	2.12	2.12	0	ANNUAL	EXHPH1	5	
441	path	590615	4142265	0.000237	1.8	1.8	0	ANNUAL	EXHPH1	5	
442	path	590715	4142265	0.000238	1.96	1.96	0	ANNUAL	EXHPH1	5	
443	path	590815	4142265	0.000238	2.58	2.58	0	ANNUAL	EXHPH1	5	
444	path	590915	4142265	0.000237	2.62	5.66	0	ANNUAL	EXHPH1	5	
445	path	591015	4142265	0.000236	5.39	6.93	0	ANNUAL	EXHPH1	5	
446	school	591515	4142365	0.000205	2.14	2.14	0	ANNUAL	EXHPH1	5	
447	park	591215	4142465	0.000201	2.18	2.18	0	ANNUAL	EXHPH1	5	
448	park	591315	4142465	0.000198	1.28	1.28	0	ANNUAL	EXHPH1	5	
449	school	591415	4142465	0.000196	2.04	2.04	0	ANNUAL	EXHPH1	5	
450	path	590415	4142565	0.000194	4.25	4.91	0	ANNUAL	EXHPH1	5	
451	offsite	590915	4142565	0.000193	0.95	0.95	0	ANNUAL	EXHPH1	5	
452	offsite	591015	4142565	0.000193	3.27	3.51	0	ANNUAL	EXHPH1	5	
453	offsite	591115	4142565	0.000191	0	0	0	ANNUAL	EXHPH1	5	
454	park	591215	4142565	0.000189	0	0	0	ANNUAL	EXHPH1	5	
455	park	591315	4142565	0.000186	0	0	0	ANNUAL	EXHPH1	5	
456	school	591415	4142565	0.000184	0	0	0	ANNUAL	EXHPH1	5	
457	path	590315	4142665	0.000182	0	0	0	ANNUAL	EXHPH1	5	
458	offsite	590515	4142665	0.000183	0	0	0	ANNUAL	EXHPH1	5	
459	offsite	590615	4142665	0.000183	0	0	0	ANNUAL	EXHPH1	5	
460	offsite	590715	4142665	0.000183	0	0	0	ANNUAL	EXHPH1	5	
461	offsite	590815	4142665	0.000183	0	0	0	ANNUAL	EXHPH1	5	
462	offsite	590915	4142665	0.000182	0	0	0	ANNUAL	EXHPH1	5	
463	offsite	591015	4142665	0.000181	0	0	0	ANNUAL	EXHPH1	5	
464	park	591215	4142665	0.000178	0	0	0	ANNUAL	EXHPH1	5	
465	path	590315	4142765	0.000173	0	0	0	ANNUAL	EXHPH1	5	
466	offsite	590515	4142765	0.000173	0	0	0	ANNUAL	EXHPH1	5	
467	offsite	590615	4142765	0.000173	0	0	0	ANNUAL	EXHPH1	5	
468	offsite	590715	4142765	0.000173	0	0	0	ANNUAL	EXHPH1	5	
469	offsite	590815	4142765	0.000173	0	0	0	ANNUAL	EXHPH1	5	
470	offsite	590915	4142765	0.000172	0	0	0	ANNUAL	EXHPH1	5	
471	offsite	591015	4142765	0.000171	0	0	0	ANNUAL	EXHPH1	5	
472	offsite	591115	4142765	0.00017	0	0	0	ANNUAL	EXHPH1	5	
473	220 (park)	591239.5	4140295	0.03198	0	0	0	ANNUAL	EXHPH1	5	
474	1219 (park)	591338.7	4140348	0.03149	0	0	0	ANNUAL	EXHPH1	5	

Phase 2

PHASE:	2	2	2	2	2	2	2	2	2	2
	Discrete Re	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
361	offsite	592115	4141365	0.000801	3.14	3.14	0	ANNUAL	EXHPH2	5
362	offsite	592215	4141365	0.000731	3.18	3.18	0	ANNUAL	EXHPH2	5
363	offsite	592315	4141365	0.000671	3.52	3.52	0	ANNUAL	EXHPH2	5
364	offsite	592415	4141365	0.000619	3.81	3.81	0	ANNUAL	EXHPH2	5
365	offsite	592515	4141365	0.000573	2.85	2.85	0	ANNUAL	EXHPH2	5
366	offsite	590615	4141465	0	3.11	11.59	0	ANNUAL	EXHPH2	5
367	offsite	590715	4141465	0	2.8	2.8	0	ANNUAL	EXHPH2	5
368	offsite	590815	4141465	0	1.88	1.88	0	ANNUAL	EXHPH2	5
369	offsite	590915	4141465	0	1.9	21.94	0	ANNUAL	EXHPH2	5
370	Phase6	591015	4141465	0.001724	15.33	21.94	0	ANNUAL	EXHPH2	5
371	Phase6	591115	4141465	0.001614	18.25	18.25	0	ANNUAL	EXHPH2	5
372	Phase6	591215	4141465	0.001456	18.08	18.08	0	ANNUAL	EXHPH2	5
373	Phase6	591315	4141465	0.001355	14.98	14.98	0	ANNUAL	EXHPH2	5
374	Phase6	591415	4141465	0.001404	9.35	11.15	0	ANNUAL	EXHPH2	5
375	path	591515	4141465	0.0013	2.71	12.32	0	ANNUAL	EXHPH2	5
376	offsite	591615	4141465	0.001182	2.74	6.86	0	ANNUAL	EXHPH2	5
377	offsite	591715	4141465	0.00107	1.12	1.12	0	ANNUAL	EXHPH2	5
378	offsite	591815	4141465	0.000972	3.94	3.94	0	ANNUAL	EXHPH2	5
379	offsite	591915	4141465	0.000883	4.04	4.04	0	ANNUAL	EXHPH2	5
380	offsite	592015	4141465	0.000805	3.84	3.84	0	ANNUAL	EXHPH2	5
381	offsite	592115	4141465	0.000738	3.81	3.81	0	ANNUAL	EXHPH2	5
382	offsite	592215	4141465	0.000679	3.84	3.84	0	ANNUAL	EXHPH2	5
383	offsite	592315	4141465	0.000628	3.78	3.78	0	ANNUAL	EXHPH2	5
384	offsite	592415	4141465	0.000583	3.46	3.46	0	ANNUAL	EXHPH2	5
385	offsite	590815	4141565	0	2.51	11.72	0	ANNUAL	EXHPH2	5
386	offsite	590915	4141565	0	2.47	21.94	0	ANNUAL	EXHPH2	5
387	Phase6	591015	4141565	0.001424	2.02	21.94	0	ANNUAL	EXHPH2	5
388	Phase6	591115	4141565	0.001361	12.39	21.53	0	ANNUAL	EXHPH2	5
389	Phase6	591215	4141565	0.001242	14.73	14.73	0	ANNUAL	EXHPH2	5
390	Phase6	591315	4141565	0.001235	11.93	12.68	0	ANNUAL	EXHPH2	5
391	path	591415	4141565	0.001207	4.46	12.44	0	ANNUAL	EXHPH2	5
392	path	591515	4141565	0.001122	4.3	6.63	0	ANNUAL	EXHPH2	5
393	offsite	591615	4141565	0.001032	1.35	1.35	0	ANNUAL	EXHPH2	5
394	offsite	591715	4141565	0.000948	1.18	1.18	0	ANNUAL	EXHPH2	5
395	offsite	591815	4141565	0.00087	1.57	1.57	0	ANNUAL	EXHPH2	5
396	offsite	591915	4141565	0.000799	1.59	1.59	0	ANNUAL	EXHPH2	5
397	offsite	592015	4141565	0.000736	1.72	1.72	0	ANNUAL	EXHPH2	5
398	offsite	592115	4141565	0.00068	2.21	2.21	0	ANNUAL	EXHPH2	5
399	offsite	592215	4141565	0.000631	1.88	1.88	0	ANNUAL	EXHPH2	5
400	offsite	592315	4141565	0.000588	3.97	3.97	0	ANNUAL	EXHPH2	5
401	offsite	590915	4141665	0	3.72	10.08	0	ANNUAL	EXHPH2	5
402	Phase6	591015	4141665	0.001207	1.16	21.94	0	ANNUAL	EXHPH2	5
403	Phase6	591115	4141665	0.001184	0.27	21.94	0	ANNUAL	EXHPH2	5
404	Phase6	591215	4141665	0.001149	1.69	17.36	0	ANNUAL	EXHPH2	5
405	Phase6	591315	4141665	0.001101	1.94	13.61	0	ANNUAL	EXHPH2	5
406	path	591415	4141665	0.001044	2.71	6.63	0	ANNUAL	EXHPH2	5
407	offsite	591515	4141665	0.000979	1.22	6.65	0	ANNUAL	EXHPH2	5
408	offsite	591615	4141665	0.000912	0.58	0.58	0	ANNUAL	EXHPH2	5
409	offsite	591715	4141665	0.000847	1.1	1.1	0	ANNUAL	EXHPH2	5
410	offsite	591815	4141665	0.000786	1.5	1.5	0	ANNUAL	EXHPH2	5
411	offsite	591915	4141665	0.000729	1.57	1.57	0	ANNUAL	EXHPH2	5
412	offsite	592015	4141665	0.000677	1.79	1.79	0	ANNUAL	EXHPH2	5
413	offsite	592115	4141665	0.00063	1.9	1.9	0	ANNUAL	EXHPH2	5
414	offsite	592215	4141665	0.000588	2.19	3.39	0	ANNUAL	EXHPH2	5
415	Phase6	591115	4141765	0.001025	1.5	8.76	0	ANNUAL	EXHPH2	5
416	Phase6	591215	4141765	0.000996	0.27	8.75	0	ANNUAL	EXHPH2	5
417	path	591315	4141765	0.000961	2.71	6.85	0	ANNUAL	EXHPH2	5
418	offsite	591415	4141765	0.000918	3.75	6.28	0	ANNUAL	EXHPH2	5
419	offsite	591515	4141765	0.000868	1.22	1.22	0	ANNUAL	EXHPH2	5
420	offsite	591615	4141765	0.000816	1.64	1.64	0	ANNUAL	EXHPH2	5
421	offsite	591715	4141765	0.000765	2.1	2.1	0	ANNUAL	EXHPH2	5
422	offsite	591815	4141765	0.000715	1.47	1.47	0	ANNUAL	EXHPH2	5
423	offsite	591915	4141765	0.000669	2.58	2.58	0	ANNUAL	EXHPH2	5
424	offsite	592015	4141765	0.000626	2.57	2.57	0	ANNUAL	EXHPH2	5
425	offsite	592115	4141765	0.000586	2.49	10.31	0	ANNUAL	EXHPH2	5
426	offsite	590915	4141965	0.000824	4.64	4.64	0	ANNUAL	EXHPH2	5
427	path	591215	4141965	0.000784	1.81	5.94	0	ANNUAL	EXHPH2	5
428	path	591315	4141965	0.000761	2.71	6.26	0	ANNUAL	EXHPH2	5
429	offsite	590815	4142065	0.000744	4.48	4.48	0	ANNUAL	EXHPH2	5
430	offsite	590915	4142065	0.000741	4.32	4.32	0	ANNUAL	EXHPH2	5
431	offsite	591015	4142065	0.000734	4.33	4.33	0	ANNUAL	EXHPH2	5
432	path	591115	4142065	0.000721	1.85	6.79	0	ANNUAL	EXHPH2	5
433	path	591215	4142065	0.000707	2.97	2.97	0	ANNUAL	EXHPH2	5
434	offsite	590715	4142165	0.000677	4.74	4.74	0	ANNUAL	EXHPH2	5
435	offsite	590815	4142165	0.000676	4.43	4.43	0	ANNUAL	EXHPH2	5
436	path	590915	4142165	0.000673	4.76	5.44	0	ANNUAL	EXHPH2	5
437	path	591015	4142165	0.000665	2.7	6.62	0	ANNUAL	EXHPH2	5
438	path	591115	4142165	0.000655	2.71	2.71	0	ANNUAL	EXHPH2	5
439	path	590415	4142265	0.00061	2.1	2.1	0	ANNUAL	EXHPH2	5
440	path	590515	4142265	0.000615	2.12	2.12	0	ANNUAL	EXHPH2	5
441	path	590615	4142265	0.000617	1.8	1.8	0	ANNUAL	EXHPH2	5
442	path	590715	4142265	0.000618	1.96	1.96	0	ANNUAL	EXHPH2	5
443	path	590815	4142265	0.000617	2.58	2.58	0	ANNUAL	EXHPH2	5
444	path	590915	4142265	0.000614	2.62	5.66	0	ANNUAL	EXHPH2	5
445	path	591015	4142265	0.00061	5.39	6.93	0	ANNUAL	EXHPH2	5
446	school	591515	4142365	0.000506	2.14	2.14	0	ANNUAL	EXHPH2	5
447	park	591215	4142465	0.000504	2.18	2.18	0	ANNUAL	EXHPH2	5
448	park	591315	4142465	0.000495	1.28	1.28	0	ANNUAL	EXHPH2	5
449	school	591415	4142465	0.000485	2.04	2.04	0	ANNUAL	EXHPH2	5
450	path	590415	4142565	0.000492	4.25	4.91	0	ANNUAL	EXHPH2	5
451	offsite	590915	4142565	0.000487	0.95	0.95	0	ANNUAL	EXHPH2	5
452	offsite	591015	4142565	0.000484	3.27	3.51	0	ANNUAL	EXHPH2	5
453	offsite	591115	4142565	0.000478	0	0	0	ANNUAL	EXHPH2	5
454	park	591215	4142565	0.00047	0	0	0	ANNUAL	EXHPH2	5
455	park	591315	4142565	0.000462	0	0	0	ANNUAL	EXHPH2	5
456	school	591415	4142565	0.000453	0	0	0	ANNUAL	EXHPH2	5
457	path	590315	4142665	0.00046	0	0	0	ANNUAL	EXHPH2	5
458	offsite	590515	4142665	0.000461	0	0	0	ANNUAL	EXHPH2	5
459	offsite	590615	4142665	0.000461	0	0	0	ANNUAL	EXHPH2	5
460	offsite	590715	4142665	0.00046	0	0	0	ANNUAL	EXHPH2	5
461	offsite	590815	4142665	0.000459	0	0	0	ANNUAL	EXHPH2	5
462	offsite	590915	4142665	0.000456	0	0	0	ANNUAL	EXHPH2	5
463	offsite	591015	4142665	0.000452	0	0	0	ANNUAL	EXHPH2	5
464	park	591215	4142665	0.00044	0	0	0	ANNUAL	EXHPH2	5
465	path	590315	4142765	0.000433	0	0	0	ANNUAL	EXHPH2	5
466	offsite	590515	4142765	0.000433	0	0	0	ANNUAL	EXHPH2	5
467	offsite	590615	4142765	0.000433	0	0	0	ANNUAL	EXHPH2	5
468	offsite	590715	4142765	0.000432	0	0	0	ANNUAL	EXHPH2	5
469	offsite	590815	4142765	0.00043	0	0	0	ANNUAL	EXHPH2	5
470	offsite	590915	4142765	0.000428	0	0	0	ANNUAL	EXHPH2	5
471	offsite	591015	4142765	0.000424	0	0	0	ANNUAL	EXHPH2	5
472	offsite	591115	4142765	0.00042	0	0	0	ANNUAL	EXHPH2	5
473	220 (park)	591239.5	4140295	0.018725	0	0	0	ANNUAL	EXHPH2	5
474	1219 (park)	591338.7	4140348	0.01931	0	0	0	ANNUAL	EXHPH2	5

Phase 3

PHASE:	3	3	3	3	3	3	3	3	3	3
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
361	offsite	592115	4141365	0.000218	3.14	3.14	0	ANNUAL	EXHPH3	5
362	offsite	592215	4141365	0.000196	3.18	3.18	0	ANNUAL	EXHPH3	5
363	offsite	592315	4141365	0.000177	3.52	3.52	0	ANNUAL	EXHPH3	5
364	offsite	592415	4141365	0.000162	3.81	3.81	0	ANNUAL	EXHPH3	5
365	offsite	592515	4141365	0.000148	2.85	2.85	0	ANNUAL	EXHPH3	5
366	offsite	590615	4141465	0	3.11	11.59	0	ANNUAL	EXHPH3	5
367	offsite	590715	4141465	0	2.8	2.8	0	ANNUAL	EXHPH3	5
368	offsite	590815	4141465	0	1.88	1.88	0	ANNUAL	EXHPH3	5
369	offsite	590915	4141465	0	1.9	21.94	0	ANNUAL	EXHPH3	5
370	Phase6	591015	4141465	0.00075	15.33	21.94	0	ANNUAL	EXHPH3	5
371	Phase6	591115	4141465	0.000644	18.25	18.25	0	ANNUAL	EXHPH3	5
372	Phase6	591215	4141465	0.000553	18.08	18.08	0	ANNUAL	EXHPH3	5
373	Phase6	591315	4141465	0.000499	14.98	14.98	0	ANNUAL	EXHPH3	5
374	Phase6	591415	4141465	0.000501	9.35	11.15	0	ANNUAL	EXHPH3	5
375	path	591515	4141465	0.000438	2.71	12.32	0	ANNUAL	EXHPH3	5
376	offsite	591615	4141465	0.000377	2.74	6.86	0	ANNUAL	EXHPH3	5
377	offsite	591715	4141465	0.000327	1.12	1.12	0	ANNUAL	EXHPH3	5
378	offsite	591815	4141465	0.000287	3.94	3.94	0	ANNUAL	EXHPH3	5
379	offsite	591915	4141465	0.000253	4.04	4.04	0	ANNUAL	EXHPH3	5
380	offsite	592015	4141465	0.000226	3.84	3.84	0	ANNUAL	EXHPH3	5
381	offsite	592115	4141465	0.000203	3.81	3.81	0	ANNUAL	EXHPH3	5
382	offsite	592215	4141465	0.000184	3.84	3.84	0	ANNUAL	EXHPH3	5
383	offsite	592315	4141465	0.000168	3.78	3.78	0	ANNUAL	EXHPH3	5
384	offsite	592415	4141465	0.000154	3.46	3.46	0	ANNUAL	EXHPH3	5
385	offsite	590815	4141565	0	2.51	11.72	0	ANNUAL	EXHPH3	5
386	offsite	590915	4141565	0	2.47	21.94	0	ANNUAL	EXHPH3	5
387	Phase6	591015	4141565	0.000597	2.02	21.94	0	ANNUAL	EXHPH3	5
388	Phase6	591115	4141565	0.000538	12.39	21.53	0	ANNUAL	EXHPH3	5
389	Phase6	591215	4141565	0.000457	14.73	14.73	0	ANNUAL	EXHPH3	5
390	Phase6	591315	4141565	0.000448	11.93	12.68	0	ANNUAL	EXHPH3	5
391	path	591415	4141565	0.000419	4.46	12.44	0	ANNUAL	EXHPH3	5
392	path	591515	4141565	0.00037	4.3	6.63	0	ANNUAL	EXHPH3	5
393	offsite	591615	4141565	0.000326	1.35	1.35	0	ANNUAL	EXHPH3	5
394	offsite	591715	4141565	0.000288	1.18	1.18	0	ANNUAL	EXHPH3	5
395	offsite	591815	4141565	0.000256	1.57	1.57	0	ANNUAL	EXHPH3	5
396	offsite	591915	4141565	0.00023	1.59	1.59	0	ANNUAL	EXHPH3	5
397	offsite	592015	4141565	0.000207	1.72	1.72	0	ANNUAL	EXHPH3	5
398	offsite	592115	4141565	0.000188	2.21	2.21	0	ANNUAL	EXHPH3	5
399	offsite	592215	4141565	0.000172	1.88	1.88	0	ANNUAL	EXHPH3	5
400	offsite	592315	4141565	0.000158	3.97	3.97	0	ANNUAL	EXHPH3	5
401	offsite	590915	4141665	0	3.72	10.08	0	ANNUAL	EXHPH3	5
402	Phase6	591015	4141665	0.000471	1.16	21.94	0	ANNUAL	EXHPH3	5
403	Phase6	591115	4141665	0.00045	0.27	21.94	0	ANNUAL	EXHPH3	5
404	Phase6	591215	4141665	0.000422	1.69	17.36	0	ANNUAL	EXHPH3	5
405	Phase6	591315	4141665	0.000388	1.94	13.61	0	ANNUAL	EXHPH3	5
406	path	591415	4141665	0.000352	2.71	6.63	0	ANNUAL	EXHPH3	5
407	offsite	591515	4141665	0.000316	1.22	6.65	0	ANNUAL	EXHPH3	5
408	offsite	591615	4141665	0.000284	0.58	0.58	0	ANNUAL	EXHPH3	5
409	offsite	591715	4141665	0.000256	1.1	1.1	0	ANNUAL	EXHPH3	5
410	offsite	591815	4141665	0.000231	1.5	1.5	0	ANNUAL	EXHPH3	5
411	offsite	591915	4141665	0.000209	1.57	1.57	0	ANNUAL	EXHPH3	5
412	offsite	592015	4141665	0.000191	1.79	1.79	0	ANNUAL	EXHPH3	5
413	offsite	592115	4141665	0.000175	1.9	1.9	0	ANNUAL	EXHPH3	5
414	offsite	592215	4141665	0.000161	2.19	3.39	0	ANNUAL	EXHPH3	5
415	Phase6	591115	4141765	0.00037	1.5	8.76	0	ANNUAL	EXHPH3	5
416	Phase6	591215	4141765	0.00035	0.27	8.75	0	ANNUAL	EXHPH3	5
417	path	591315	4141765	0.000327	2.71	6.85	0	ANNUAL	EXHPH3	5
418	offsite	591415	4141765	0.000301	3.75	6.28	0	ANNUAL	EXHPH3	5
419	offsite	591515	4141765	0.000275	1.22	1.22	0	ANNUAL	EXHPH3	5
420	offsite	591615	4141765	0.000251	1.64	1.64	0	ANNUAL	EXHPH3	5
421	offsite	591715	4141765	0.000229	2.1	2.1	0	ANNUAL	EXHPH3	5
422	offsite	591815	4141765	0.000209	1.47	1.47	0	ANNUAL	EXHPH3	5
423	offsite	591915	4141765	0.000191	2.58	2.58	0	ANNUAL	EXHPH3	5
424	offsite	592015	4141765	0.000176	2.57	2.57	0	ANNUAL	EXHPH3	5
425	offsite	592115	4141765	0.000163	2.49	10.31	0	ANNUAL	EXHPH3	5
426	offsite	590915	4141965	0.000282	4.64	4.64	0	ANNUAL	EXHPH3	5
427	path	591215	4141965	0.000257	1.81	5.94	0	ANNUAL	EXHPH3	5
428	path	591315	4141965	0.000245	2.71	6.26	0	ANNUAL	EXHPH3	5
429	offsite	590815	4142065	0.000248	4.48	4.48	0	ANNUAL	EXHPH3	5
430	offsite	590915	4142065	0.000245	4.32	4.32	0	ANNUAL	EXHPH3	5
431	offsite	591015	4142065	0.000241	4.33	4.33	0	ANNUAL	EXHPH3	5
432	path	591115	4142065	0.000234	1.85	6.79	0	ANNUAL	EXHPH3	5
433	path	591215	4142065	0.000226	2.97	2.97	0	ANNUAL	EXHPH3	5
434	offsite	590715	4142165	0.000219	4.74	4.74	0	ANNUAL	EXHPH3	5
435	offsite	590815	4142165	0.000219	4.43	4.43	0	ANNUAL	EXHPH3	5
436	path	590915	4142165	0.000217	4.76	5.44	0	ANNUAL	EXHPH3	5
437	path	591015	4142165	0.000213	2.7	6.62	0	ANNUAL	EXHPH3	5
438	path	591115	4142165	0.000208	2.71	2.71	0	ANNUAL	EXHPH3	5
439	path	590415	4142265	0.000192	2.1	2.1	0	ANNUAL	EXHPH3	5
440	path	590515	4142265	0.000194	2.12	2.12	0	ANNUAL	EXHPH3	5
441	path	590615	4142265	0.000195	1.8	1.8	0	ANNUAL	EXHPH3	5
442	path	590715	4142265	0.000196	1.96	1.96	0	ANNUAL	EXHPH3	5
443	path	590815	4142265	0.000195	2.58	2.58	0	ANNUAL	EXHPH3	5
444	path	590915	4142265	0.000193	2.62	5.66	0	ANNUAL	EXHPH3	5
445	path	591015	4142265	0.000191	5.39	6.93	0	ANNUAL	EXHPH3	5
446	school	591515	4142365	0.000147	2.14	2.14	0	ANNUAL	EXHPH3	5
447	park	591215	4142465	0.00015	2.18	2.18	0	ANNUAL	EXHPH3	5
448	park	591315	4142465	0.000146	1.28	1.28	0	ANNUAL	EXHPH3	5
449	school	591415	4142465	0.000141	2.04	2.04	0	ANNUAL	EXHPH3	5
450	path	590415	4142565	0.000148	4.25	4.91	0	ANNUAL	EXHPH3	5
451	offsite	590915	4142565	0.000145	0.95	0.95	0	ANNUAL	EXHPH3	5
452	offsite	591015	4142565	0.000144	3.27	3.51	0	ANNUAL	EXHPH3	5
453	offsite	591115	4142565	0.000141	0	0	0	ANNUAL	EXHPH3	5
454	park	591215	4142565	0.000138	0	0	0	ANNUAL	EXHPH3	5
455	park	591315	4142565	0.000135	0	0	0	ANNUAL	EXHPH3	5
456	school	591415	4142565	0.000131	0	0	0	ANNUAL	EXHPH3	5
457	path	590315	4142665	0.000136	0	0	0	ANNUAL	EXHPH3	5
458	offsite	590515	4142665	0.000137	0	0	0	ANNUAL	EXHPH3	5
459	offsite	590615	4142665	0.000137	0	0	0	ANNUAL	EXHPH3	5
460	offsite	590715	4142665	0.000136	0	0	0	ANNUAL	EXHPH3	5
461	offsite	590815	4142665	0.000136	0	0	0	ANNUAL	EXHPH3	5
462	offsite	590915	4142665	0.000134	0	0	0	ANNUAL	EXHPH3	5
463	offsite	591015	4142665	0.000132	0	0	0	ANNUAL	EXHPH3	5
464	park	591215	4142665	0.000128	0	0	0	ANNUAL	EXHPH3	5
465	path	590315	4142765	0.000127	0	0	0	ANNUAL	EXHPH3	5
466	offsite	590515	4142765	0.000127	0	0	0	ANNUAL	EXHPH3	5
467	offsite	590615	4142765	0.000127	0	0	0	ANNUAL	EXHPH3	5
468	offsite	590715	4142765	0.000126	0	0	0	ANNUAL	EXHPH3	5
469	offsite	590815	4142765	0.000126	0	0	0	ANNUAL	EXHPH3	5
470	offsite	590915	4142765	0.000125	0	0	0	ANNUAL	EXHPH3	5
471	offsite	591015	4142765	0.000123	0	0	0	ANNUAL	EXHPH3	5
472	offsite	591115	4142765	0.000121	0	0	0	ANNUAL	EXHPH3	5
473	220 (park)	591239.5	4140295	0.001523	0	0	0	ANNUAL	EXHPH3	5
474	1219 (park	591338.7	4140348	0.001794	0	0	0	ANNUAL	EXHPH3	5

Phase 4

PHASE:	4	4	4	4	4	4	4	4	4	4
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
361	offsite	592115	4141365	0.000224	3.14	3.14	0	ANNUAL	EXHPH4	5
362	offsite	592215	4141365	0.000207	3.18	3.18	0	ANNUAL	EXHPH4	5
363	offsite	592315	4141365	0.000193	3.52	3.52	0	ANNUAL	EXHPH4	5
364	offsite	592415	4141365	0.000181	3.81	3.81	0	ANNUAL	EXHPH4	5
365	offsite	592515	4141365	0.00017	2.85	2.85	0	ANNUAL	EXHPH4	5
366	offsite	590615	4141465	0	3.11	11.59	0	ANNUAL	EXHPH4	5
367	offsite	590715	4141465	0	2.8	2.8	0	ANNUAL	EXHPH4	5
368	offsite	590815	4141465	0	1.88	1.88	0	ANNUAL	EXHPH4	5
369	offsite	590915	4141465	0	1.9	21.94	0	ANNUAL	EXHPH4	5
370	Phase6	591015	4141465	0.000517	15.33	21.94	0	ANNUAL	EXHPH4	5
371	Phase6	591115	4141465	0.000444	18.25	18.25	0	ANNUAL	EXHPH4	5
372	Phase6	591215	4141465	0.00039	18.08	18.08	0	ANNUAL	EXHPH4	5
373	Phase6	591315	4141465	0.000365	14.98	14.98	0	ANNUAL	EXHPH4	5
374	Phase6	591415	4141465	0.000388	9.35	11.15	0	ANNUAL	EXHPH4	5
375	path	591515	4141465	0.000356	2.71	12.32	0	ANNUAL	EXHPH4	5
376	offsite	591615	4141465	0.000322	2.74	6.86	0	ANNUAL	EXHPH4	5
377	offsite	591715	4141465	0.000293	1.12	1.12	0	ANNUAL	EXHPH4	5
378	offsite	591815	4141465	0.000269	3.94	3.94	0	ANNUAL	EXHPH4	5
379	offsite	591915	4141465	0.000248	4.04	4.04	0	ANNUAL	EXHPH4	5
380	offsite	592015	4141465	0.000229	3.84	3.84	0	ANNUAL	EXHPH4	5
381	offsite	592115	4141465	0.000213	3.81	3.81	0	ANNUAL	EXHPH4	5
382	offsite	592215	4141465	0.000198	3.84	3.84	0	ANNUAL	EXHPH4	5
383	offsite	592315	4141465	0.000186	3.78	3.78	0	ANNUAL	EXHPH4	5
384	offsite	592415	4141465	0.000174	3.46	3.46	0	ANNUAL	EXHPH4	5
385	offsite	590815	4141565	0	2.51	11.72	0	ANNUAL	EXHPH4	5
386	offsite	590915	4141565	0	2.47	21.94	0	ANNUAL	EXHPH4	5
387	Phase6	591015	4141565	0.000518	2.02	21.94	0	ANNUAL	EXHPH4	5
388	Phase6	591115	4141565	0.000432	12.39	21.53	0	ANNUAL	EXHPH4	5
389	Phase6	591215	4141565	0.000362	14.73	14.73	0	ANNUAL	EXHPH4	5
390	Phase6	591315	4141565	0.000363	11.93	12.68	0	ANNUAL	EXHPH4	5
391	path	591415	4141565	0.000354	4.46	12.44	0	ANNUAL	EXHPH4	5
392	path	591515	4141565	0.000323	4.3	6.63	0	ANNUAL	EXHPH4	5
393	offsite	591615	4141565	0.000295	1.35	1.35	0	ANNUAL	EXHPH4	5
394	offsite	591715	4141565	0.000271	1.18	1.18	0	ANNUAL	EXHPH4	5
395	offsite	591815	4141565	0.00025	1.57	1.57	0	ANNUAL	EXHPH4	5
396	offsite	591915	4141565	0.000232	1.59	1.59	0	ANNUAL	EXHPH4	5
397	offsite	592015	4141565	0.000216	1.72	1.72	0	ANNUAL	EXHPH4	5
398	offsite	592115	4141565	0.000202	2.21	2.21	0	ANNUAL	EXHPH4	5
399	offsite	592215	4141565	0.000189	1.88	1.88	0	ANNUAL	EXHPH4	5
400	offsite	592315	4141565	0.000178	3.97	3.97	0	ANNUAL	EXHPH4	5
401	offsite	590915	4141665	0	3.72	10.08	0	ANNUAL	EXHPH4	5
402	Phase6	591015	4141665	0.000444	1.16	21.94	0	ANNUAL	EXHPH4	5
403	Phase6	591115	4141665	0.000411	0.27	21.94	0	ANNUAL	EXHPH4	5
404	Phase6	591215	4141665	0.000378	1.69	17.36	0	ANNUAL	EXHPH4	5
405	Phase6	591315	4141665	0.000348	1.94	13.61	0	ANNUAL	EXHPH4	5
406	path	591415	4141665	0.000319	2.71	6.63	0	ANNUAL	EXHPH4	5
407	offsite	591515	4141665	0.000294	1.22	6.65	0	ANNUAL	EXHPH4	5
408	offsite	591615	4141665	0.000271	0.58	0.58	0	ANNUAL	EXHPH4	5
409	offsite	591715	4141665	0.000251	1.1	1.1	0	ANNUAL	EXHPH4	5
410	offsite	591815	4141665	0.000233	1.5	1.5	0	ANNUAL	EXHPH4	5
411	offsite	591915	4141665	0.000218	1.57	1.57	0	ANNUAL	EXHPH4	5
412	offsite	592015	4141665	0.000204	1.79	1.79	0	ANNUAL	EXHPH4	5
413	offsite	592115	4141665	0.000191	1.9	1.9	0	ANNUAL	EXHPH4	5
414	offsite	592215	4141665	0.00018	2.19	3.39	0	ANNUAL	EXHPH4	5
415	Phase6	591115	4141765	0.000362	1.5	8.76	0	ANNUAL	EXHPH4	5
416	Phase6	591215	4141765	0.000336	0.27	8.75	0	ANNUAL	EXHPH4	5
417	path	591315	4141765	0.000313	2.71	6.85	0	ANNUAL	EXHPH4	5
418	offsite	591415	4141765	0.00029	3.75	6.28	0	ANNUAL	EXHPH4	5
419	offsite	591515	4141765	0.000269	1.22	1.22	0	ANNUAL	EXHPH4	5
420	offsite	591615	4141765	0.00025	1.64	1.64	0	ANNUAL	EXHPH4	5
421	offsite	591715	4141765	0.000233	2.1	2.1	0	ANNUAL	EXHPH4	5
422	offsite	591815	4141765	0.000218	1.47	1.47	0	ANNUAL	EXHPH4	5
423	offsite	591915	4141765	0.000205	2.58	2.58	0	ANNUAL	EXHPH4	5
424	offsite	592015	4141765	0.000193	2.57	2.57	0	ANNUAL	EXHPH4	5
425	offsite	592115	4141765	0.000182	2.49	10.31	0	ANNUAL	EXHPH4	5
426	offsite	590915	4141965	0.000319	4.64	4.64	0	ANNUAL	EXHPH4	5
427	path	591215	4141965	0.000274	1.81	5.94	0	ANNUAL	EXHPH4	5
428	path	591315	4141965	0.000259	2.71	6.26	0	ANNUAL	EXHPH4	5
429	offsite	590815	4142065	0.000295	4.48	4.48	0	ANNUAL	EXHPH4	5
430	offsite	590915	4142065	0.000286	4.32	4.32	0	ANNUAL	EXHPH4	5
431	offsite	591015	4142065	0.000275	4.33	4.33	0	ANNUAL	EXHPH4	5
432	path	591115	4142065	0.000263	1.85	6.79	0	ANNUAL	EXHPH4	5
433	path	591215	4142065	0.000251	2.97	2.97	0	ANNUAL	EXHPH4	5
434	offsite	590715	4142165	0.000272	4.74	4.74	0	ANNUAL	EXHPH4	5
435	offsite	590815	4142165	0.000266	4.43	4.43	0	ANNUAL	EXHPH4	5
436	path	590915	4142165	0.000259	4.76	5.44	0	ANNUAL	EXHPH4	5
437	path	591015	4142165	0.00025	2.7	6.62	0	ANNUAL	EXHPH4	5
438	path	591115	4142165	0.00024	2.71	2.71	0	ANNUAL	EXHPH4	5
439	path	590415	4142265	0.000255	2.1	2.1	0	ANNUAL	EXHPH4	5
440	path	590515	4142265	0.000254	2.12	2.12	0	ANNUAL	EXHPH4	5
441	path	590615	4142265	0.000251	1.8	1.8	0	ANNUAL	EXHPH4	5
442	path	590715	4142265	0.000247	1.96	1.96	0	ANNUAL	EXHPH4	5
443	path	590815	4142265	0.000242	2.58	2.58	0	ANNUAL	EXHPH4	5
444	path	590915	4142265	0.000236	2.62	5.66	0	ANNUAL	EXHPH4	5
445	path	591015	4142265	0.000229	5.39	6.93	0	ANNUAL	EXHPH4	5
446	school	591515	4142365	0.000175	2.14	2.14	0	ANNUAL	EXHPH4	5
447	park	591215	4142465	0.000184	2.18	2.18	0	ANNUAL	EXHPH4	5
448	park	591315	4142465	0.000178	1.28	1.28	0	ANNUAL	EXHPH4	5
449	school	591415	4142465	0.000172	2.04	2.04	0	ANNUAL	EXHPH4	5
450	path	590415	4142565	0.000199	4.25	4.91	0	ANNUAL	EXHPH4	5
451	offsite	590915	4142565	0.000186	0.95	0.95	0	ANNUAL	EXHPH4	5
452	offsite	591015	4142565	0.000183	3.27	3.51	0	ANNUAL	EXHPH4	5
453	offsite	591115	4142565	0.000178	0	0	0	ANNUAL	EXHPH4	5
454	park	591215	4142565	0.000173	0	0	0	ANNUAL	EXHPH4	5
455	park	591315	4142565	0.000167	0	0	0	ANNUAL	EXHPH4	5
456	school	591415	4142565	0.000162	0	0	0	ANNUAL	EXHPH4	5
457	path	590315	4142665	0.000186	0	0	0	ANNUAL	EXHPH4	5
458	offsite	590515	4142665	0.000184	0	0	0	ANNUAL	EXHPH4	5
459	offsite	590615	4142665	0.000182	0	0	0	ANNUAL	EXHPH4	5
460	offsite	590715	4142665	0.00018	0	0	0	ANNUAL	EXHPH4	5
461	offsite	590815	4142665	0.000177	0	0	0	ANNUAL	EXHPH4	5
462	offsite	590915	4142665	0.000174	0	0	0	ANNUAL	EXHPH4	5
463	offsite	591015	4142665	0.000171	0	0	0	ANNUAL	EXHPH4	5
464	park	591215	4142665	0.000162	0	0	0	ANNUAL	EXHPH4	5
465	path	590315	4142765	0.000174	0	0	0	ANNUAL	EXHPH4	5
466	offsite	590515	4142765	0.000172	0	0	0	ANNUAL	EXHPH4	5
467	offsite	590615	4142765	0.00017	0	0	0	ANNUAL	EXHPH4	5
468	offsite	590715	4142765	0.000168	0	0	0	ANNUAL	EXHPH4	5
469	offsite	590815	4142765	0.000166	0	0	0	ANNUAL	EXHPH4	5
470	offsite	590915	4142765	0.000163	0	0	0	ANNUAL	EXHPH4	5
471	offsite	591015	4142765	0.00016	0	0	0	ANNUAL	EXHPH4	5
472	offsite	591115	4142765	0.000157	0	0	0	ANNUAL	EXHPH4	5
473	220 (park)	591239.5	4140295	0.002804	0	0	0	ANNUAL	EXHPH4	5
474	1219 (park	591338.7	4140348	0.002271	0	0	0	ANNUAL	EXHPH4	5

Phase 5

	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years	Net ID
PHASE:	5	5	5	5	5	5	5	5	5	5	5
1	offsite	589515	4139265	8.86E-05	5.92	5.92	0	ANNUAL	EXHPH5	5	
2	offsite	589615	4139265	9.17E-05	5.62	5.62	0	ANNUAL	EXHPH5	5	
3	offsite	591315	4139265	0.000138	6.86	8.3	0	ANNUAL	EXHPH5	5	
4	offsite	591415	4139265	0.000141	5.43	5.43	0	ANNUAL	EXHPH5	5	
5	offsite	591515	4139265	0.000144	6.27	6.27	0	ANNUAL	EXHPH5	5	
6	offsite	591615	4139265	0.000147	5.97	5.97	0	ANNUAL	EXHPH5	5	
7	offsite	591715	4139265	0.000151	5.85	5.85	0	ANNUAL	EXHPH5	5	
8	offsite	591815	4139265	0.000155	5.59	5.59	0	ANNUAL	EXHPH5	5	
9	offsite	591915	4139265	0.000159	5.85	5.85	0	ANNUAL	EXHPH5	5	
10	offsite	592015	4139265	0.000163	5.87	5.87	0	ANNUAL	EXHPH5	5	
11	offsite	592115	4139265	0.000167	6.12	6.12	0	ANNUAL	EXHPH5	5	
12	offsite	592215	4139265	0.00017	6.36	6.36	0	ANNUAL	EXHPH5	5	
13	offsite	592315	4139265	0.000173	5.73	5.73	0	ANNUAL	EXHPH5	5	
14	offsite	592415	4139265	0.000175	5.49	5.49	0	ANNUAL	EXHPH5	5	
15	offsite	592515	4139265	0.000176	6.15	6.15	0	ANNUAL	EXHPH5	5	
16	offsite	592615	4139265	0.000176	6.32	6.32	0	ANNUAL	EXHPH5	5	
17	offsite	592715	4139265	0.000175	5.4	5.4	0	ANNUAL	EXHPH5	5	
18	offsite	592815	4139265	0.000174	5.06	5.06	0	ANNUAL	EXHPH5	5	
19	offsite	589515	4139365	9.26E-05	5.9	5.9	0	ANNUAL	EXHPH5	5	
20	offsite	589615	4139365	9.61E-05	5.06	5.06	0	ANNUAL	EXHPH5	5	
21	offsite	591315	4139365	0.00015	3.3	8.4	0	ANNUAL	EXHPH5	5	
22	offsite	591415	4139365	0.000154	5.1	5.1	0	ANNUAL	EXHPH5	5	
23	offsite	591515	4139365	0.000158	6.23	6.23	0	ANNUAL	EXHPH5	5	
24	offsite	591615	4139365	0.000162	6.02	6.02	0	ANNUAL	EXHPH5	5	
25	offsite	591715	4139365	0.000167	5.84	5.84	0	ANNUAL	EXHPH5	5	
26	offsite	591815	4139365	0.000172	5.32	5.32	0	ANNUAL	EXHPH5	5	
27	offsite	591915	4139365	0.000177	5.31	5.31	0	ANNUAL	EXHPH5	5	
28	offsite	592015	4139365	0.000181	5.58	5.58	0	ANNUAL	EXHPH5	5	
29	offsite	592115	4139365	0.000185	5.75	5.75	0	ANNUAL	EXHPH5	5	
30	offsite	592215	4139365	0.000188	6.14	6.14	0	ANNUAL	EXHPH5	5	
31	offsite	592315	4139365	0.00019	5.39	5.39	0	ANNUAL	EXHPH5	5	
32	offsite	592415	4139365	0.000192	5.53	5.53	0	ANNUAL	EXHPH5	5	
33	offsite	592515	4139365	0.000192	5.1	5.1	0	ANNUAL	EXHPH5	5	
34	offsite	592615	4139365	0.000191	4.31	4.31	0	ANNUAL	EXHPH5	5	
35	offsite	592715	4139365	0.000189	4.33	4.33	0	ANNUAL	EXHPH5	5	
36	offsite	592815	4139365	0.000187	5.39	5.39	0	ANNUAL	EXHPH5	5	
37	offsite	589515	4139465	9.69E-05	5.24	5.24	0	ANNUAL	EXHPH5	5	
38	offsite	589615	4139465	0.000101	4.7	4.7	0	ANNUAL	EXHPH5	5	
39	offsite	591315	4139465	0.000166	6.05	6.05	0	ANNUAL	EXHPH5	5	
40	offsite	591415	4139465	0.00017	4.97	4.97	0	ANNUAL	EXHPH5	5	
41	offsite	591515	4139465	0.000175	4.87	4.87	0	ANNUAL	EXHPH5	5	
42	offsite	591615	4139465	0.000181	4.96	4.96	0	ANNUAL	EXHPH5	5	
43	offsite	591715	4139465	0.000187	5.96	5.96	0	ANNUAL	EXHPH5	5	
44	offsite	591815	4139465	0.000192	6.16	6.16	0	ANNUAL	EXHPH5	5	
45	offsite	591915	4139465	0.000198	5.77	5.77	0	ANNUAL	EXHPH5	5	
46	offsite	592015	4139465	0.000203	5.71	5.71	0	ANNUAL	EXHPH5	5	
47	offsite	592115	4139465	0.000206	5.19	5.19	0	ANNUAL	EXHPH5	5	
48	offsite	592215	4139465	0.000209	6.14	6.14	0	ANNUAL	EXHPH5	5	
49	offsite	592315	4139465	0.000211	5.42	5.42	0	ANNUAL	EXHPH5	5	
50	offsite	592415	4139465	0.000211	5.21	5.21	0	ANNUAL	EXHPH5	5	
51	offsite	592515	4139465	0.00021	5.84	5.84	0	ANNUAL	EXHPH5	5	
52	offsite	592615	4139465	0.000207	5.69	5.69	0	ANNUAL	EXHPH5	5	
53	offsite	592715	4139465	0.000204	4.29	4.29	0	ANNUAL	EXHPH5	5	
54	offsite	592815	4139465	0.000199	4.91	4.91	0	ANNUAL	EXHPH5	5	
55	offsite	589515	4139565	0.000102	5.51	5.51	0	ANNUAL	EXHPH5	5	
56	offsite	589615	4139565	0.000106	4.84	4.84	0	ANNUAL	EXHPH5	5	
57	offsite	591315	4139565	0.000185	5.22	5.22	0	ANNUAL	EXHPH5	5	
58	offsite	591415	4139565	0.00019	4.82	4.82	0	ANNUAL	EXHPH5	5	
59	offsite	591515	4139565	0.000197	4.93	4.93	0	ANNUAL	EXHPH5	5	
60	offsite	591615	4139565	0.000204	5.43	5.43	0	ANNUAL	EXHPH5	5	
61	offsite	591715	4139565	0.000211	4.86	4.86	0	ANNUAL	EXHPH5	5	
62	offsite	591815	4139565	0.000217	5.34	5.34	0	ANNUAL	EXHPH5	5	
63	offsite	591915	4139565	0.000223	5.62	5.62	0	ANNUAL	EXHPH5	5	
64	offsite	592015	4139565	0.000228	5.38	5.38	0	ANNUAL	EXHPH5	5	
65	offsite	592115	4139565	0.000231	4.71	4.71	0	ANNUAL	EXHPH5	5	
66	offsite	592215	4139565	0.000233	5.24	5.24	0	ANNUAL	EXHPH5	5	
67	offsite	592315	4139565	0.000233	5.06	5.06	0	ANNUAL	EXHPH5	5	
68	offsite	592415	4139565	0.000232	5.26	5.26	0	ANNUAL	EXHPH5	5	
69	offsite	592515	4139565	0.000229	5.15	5.15	0	ANNUAL	EXHPH5	5	
70	offsite	592615	4139565	0.000224	4.95	4.95	0	ANNUAL	EXHPH5	5	
71	offsite	592715	4139565	0.000219	4.73	4.73	0	ANNUAL	EXHPH5	5	
72	offsite	592815	4139565	0.000212	4.85	4.85	0	ANNUAL	EXHPH5	5	
73	offsite	589515	4139665	0.000107	5.19	5.19	0	ANNUAL	EXHPH5	5	
74	offsite	589615	4139665	0.000112	4.68	4.68	0	ANNUAL	EXHPH5	5	
75	offsite	591215	4139665	0.000201	7.12	7.94	0	ANNUAL	EXHPH5	5	
76	offsite	591315	4139665	0.000208	5.29	5.29	0	ANNUAL	EXHPH5	5	
77	offsite	591415	4139665	0.000216	4.55	4.55	0	ANNUAL	EXHPH5	5	
78	offsite	591515	4139665	0.000224	5.22	5.22	0	ANNUAL	EXHPH5	5	
79	offsite	591615	4139665	0.000233	4.77	4.77	0	ANNUAL	EXHPH5	5	
80	offsite	591715	4139665	0.000241	4.96	4.96	0	ANNUAL	EXHPH5	5	
81	offsite	591815	4139665	0.000248	4.79	4.79	0	ANNUAL	EXHPH5	5	
82	offsite	591915	4139665	0.000254	5.16	5.16	0	ANNUAL	EXHPH5	5	
83	offsite	592015	4139665	0.000258	4.25	4.25	0	ANNUAL	EXHPH5	5	
84	offsite	592115	4139665	0.00026	5.05	5.05	0	ANNUAL	EXHPH5	5	
85	offsite	592215	4139665	0.00026	5.18	5.18	0	ANNUAL	EXHPH5	5	
86	offsite	592315	4139665	0.000258	4.87	4.87	0	ANNUAL	EXHPH5	5	
87	offsite	592415	4139665	0.000254	5.23	5.23	0	ANNUAL	EXHPH5	5	
88	offsite	592515	4139665	0.000248	4.54	4.54	0	ANNUAL	EXHPH5	5	
89	offsite	592615	4139665	0.000241	4.65	4.65	0	ANNUAL	EXHPH5	5	
90	offsite	592715	4139665	0.000233	5.14	5.14	0	ANNUAL	EXHPH5	5	
91	offsite	592815	4139665	0.000224	4.42	4.42	0	ANNUAL	EXHPH5	5	
92	offsite	589515	4139765	0.000112	4.88	4.88	0	ANNUAL	EXHPH5	5	
93	offsite	589615	4139765	0.000118	5.59	5.59	0	ANNUAL	EXHPH5	5	
94	offsite	591415	4139765	0.000248	5.12	5.12	0	ANNUAL	EXHPH5	5	
95	offsite	591515	4139765	0.000259	5.43	5.43	0	ANNUAL	EXHPH5	5	
96	offsite	591615	4139765	0.000269	4.5	4.5	0	ANNUAL	EXHPH5	5	
97	offsite	591715	4139765	0.000278	4.68	4.68	0	ANNUAL	EXHPH5	5	
98	offsite	591815	4139765	0.000286	4.36	4.36	0	ANNUAL	EXHPH5	5	
99	offsite	591915	4139765	0.000291	4.98	4.98	0	ANNUAL	EXHPH5	5	
100	offsite	592015	4139765	0.000294	4.84	4.84	0	ANNUAL	EXHPH5	5	
101	offsite	592115	4139765	0.000293	4.78	4.78	0	ANNUAL	EXHPH5	5	
102	offsite	592215	4139765	0.00029	4.52	4.52	0	ANNUAL	EXHPH5	5	
103	offsite	592315	4139765	0.000285	4.27	4.27	0	ANNUAL	EXHPH5	5	
104	offsite	592415	4139765	0.000277	4.34	4.34	0	ANNUAL	EXHPH5	5	
105	offsite	592515	4139765	0.000268	3.7	3.7	0	ANNUAL	EXHPH5	5	
106	offsite	592615	4139765	0.000258	4.36	4.36	0	ANNUAL	EXHPH5	5	
107	offsite	592715	4139765	0.000246	4.37	4.37	0	ANNUAL	EXHPH5	5	
108	offsite	592815	4139765	0.000235	4.57	4.57	0	ANNUAL	EXHPH5	5	
109	offsite	589515	4139865	0.000118	4.37	4.37	0	ANNUAL	EXHPH5	5	
110	offsite	589615	4139865	0.000125	4.93	4.93	0	ANNUAL	EXHPH5	5	
111	offsite	591515	4139865	0.000304	4.77	4.77	0	ANNUAL	EXHPH5	5	
112	offsite	591615	4139865	0.000316	4.49	4.49	0	ANNUAL	EXHPH5	5	
113	offsite	591715	4139865	0.000326	4.75	4.75	0	ANNUAL	EXHPH5	5	
114	offsite	591815	4139865	0.000332	4.46	4.46	0	ANNUAL	EXHPH5	5	
115	offsite	591915	4139865	0.000335	4.63	4.63	0	ANNUAL	EXHPH5	5	
116	offsite	592015	4139865	0.000334	4.46	4.46	0	ANNUAL	EXHPH5	5	
117	offsite	592115	4139865	0.00033	4.47	4.47	0	ANNUAL	EXHPH5	5	
118	offsite	592215	4139865	0.000323	4.48	4.48	0	ANNUAL	EXHPH5	5	
119	offsite	592315	4139865	0.000312	4.36	4.36	0	ANNUAL	EXHPH5	5	
120	offsite	592415	4139865	0.0003	4.48	4.48	0	ANNUAL	EXHPH5	5	

Phase 6

	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
PHASE:	6	6	6	6	6	6	6	6	6	6
1	offsite	589515	4139265	0.000108	5.92	5.92	0	ANNUAL	EXHPH6	5
2	offsite	589615	4139265	0.000112	5.62	5.62	0	ANNUAL	EXHPH6	5
3	offsite	591315	4139265	0.000159	6.86	8.3	0	ANNUAL	EXHPH6	5
4	offsite	591415	4139265	0.000163	5.43	5.43	0	ANNUAL	EXHPH6	5
5	offsite	591515	4139265	0.000165	6.27	6.27	0	ANNUAL	EXHPH6	5
6	offsite	591615	4139265	0.000167	5.97	5.97	0	ANNUAL	EXHPH6	5
7	offsite	591715	4139265	0.00017	5.85	5.85	0	ANNUAL	EXHPH6	5
8	offsite	591815	4139265	0.000173	5.59	5.59	0	ANNUAL	EXHPH6	5
9	offsite	591915	4139265	0.000175	5.85	5.85	0	ANNUAL	EXHPH6	5
10	offsite	592015	4139265	0.000178	5.87	5.87	0	ANNUAL	EXHPH6	5
11	offsite	592115	4139265	0.000181	6.12	6.12	0	ANNUAL	EXHPH6	5
12	offsite	592215	4139265	0.000185	6.36	6.36	0	ANNUAL	EXHPH6	5
13	offsite	592315	4139265	0.000189	5.73	5.73	0	ANNUAL	EXHPH6	5
14	offsite	592415	4139265	0.000193	5.49	5.49	0	ANNUAL	EXHPH6	5
15	offsite	592515	4139265	0.000197	6.15	6.15	0	ANNUAL	EXHPH6	5
16	offsite	592615	4139265	0.000201	6.32	6.32	0	ANNUAL	EXHPH6	5
17	offsite	592715	4139265	0.000205	5.4	5.4	0	ANNUAL	EXHPH6	5
18	offsite	592815	4139265	0.000209	5.06	5.06	0	ANNUAL	EXHPH6	5
19	offsite	589515	4139365	0.000112	5.9	5.9	0	ANNUAL	EXHPH6	5
20	offsite	589615	4139365	0.000118	5.06	5.06	0	ANNUAL	EXHPH6	5
21	offsite	591315	4139365	0.000173	3.3	8.4	0	ANNUAL	EXHPH6	5
22	offsite	591415	4139365	0.000176	5.1	5.1	0	ANNUAL	EXHPH6	5
23	offsite	591515	4139365	0.000176	6.23	6.23	0	ANNUAL	EXHPH6	5
24	offsite	591615	4139365	0.000179	6.02	6.02	0	ANNUAL	EXHPH6	5
25	offsite	591715	4139365	0.000182	5.84	5.84	0	ANNUAL	EXHPH6	5
26	offsite	591815	4139365	0.000186	5.32	5.32	0	ANNUAL	EXHPH6	5
27	offsite	591915	4139365	0.000189	5.31	5.31	0	ANNUAL	EXHPH6	5
28	offsite	592015	4139365	0.000192	5.58	5.58	0	ANNUAL	EXHPH6	5
29	offsite	592115	4139365	0.000196	5.75	5.75	0	ANNUAL	EXHPH6	5
30	offsite	592215	4139365	0.0002	6.14	6.14	0	ANNUAL	EXHPH6	5
31	offsite	592315	4139365	0.000205	5.39	5.39	0	ANNUAL	EXHPH6	5
32	offsite	592415	4139365	0.00021	5.53	5.53	0	ANNUAL	EXHPH6	5
33	offsite	592515	4139365	0.000215	5.1	5.1	0	ANNUAL	EXHPH6	5
34	offsite	592615	4139365	0.00022	4.31	4.31	0	ANNUAL	EXHPH6	5
35	offsite	592715	4139365	0.000224	4.33	4.33	0	ANNUAL	EXHPH6	5
36	offsite	592815	4139365	0.000226	5.39	5.39	0	ANNUAL	EXHPH6	5
37	offsite	589515	4139465	0.000118	5.24	5.24	0	ANNUAL	EXHPH6	5
38	offsite	589615	4139465	0.000122	4.7	4.7	0	ANNUAL	EXHPH6	5
39	offsite	591315	4139465	0.000183	6.05	6.05	0	ANNUAL	EXHPH6	5
40	offsite	591415	4139465	0.000189	4.97	4.97	0	ANNUAL	EXHPH6	5
41	offsite	591515	4139465	0.000192	4.87	4.87	0	ANNUAL	EXHPH6	5
42	offsite	591615	4139465	0.000195	4.96	4.96	0	ANNUAL	EXHPH6	5
43	offsite	591715	4139465	0.000196	5.96	5.96	0	ANNUAL	EXHPH6	5
44	offsite	591815	4139465	0.000199	6.16	6.16	0	ANNUAL	EXHPH6	5
45	offsite	591915	4139465	0.000204	5.77	5.77	0	ANNUAL	EXHPH6	5
46	offsite	592015	4139465	0.000208	5.71	5.71	0	ANNUAL	EXHPH6	5
47	offsite	592115	4139465	0.000214	5.19	5.19	0	ANNUAL	EXHPH6	5
48	offsite	592215	4139465	0.000218	6.14	6.14	0	ANNUAL	EXHPH6	5
49	offsite	592315	4139465	0.000224	5.42	5.42	0	ANNUAL	EXHPH6	5
50	offsite	592415	4139465	0.00023	5.21	5.21	0	ANNUAL	EXHPH6	5
51	offsite	592515	4139465	0.000234	5.84	5.84	0	ANNUAL	EXHPH6	5
52	offsite	592615	4139465	0.000239	5.69	5.69	0	ANNUAL	EXHPH6	5
53	offsite	592715	4139465	0.000244	4.29	4.29	0	ANNUAL	EXHPH6	5
54	offsite	592815	4139465	0.000247	4.91	4.91	0	ANNUAL	EXHPH6	5
55	offsite	589515	4139565	0.000121	5.51	5.51	0	ANNUAL	EXHPH6	5
56	offsite	589615	4139565	0.000126	4.84	4.84	0	ANNUAL	EXHPH6	5
57	offsite	591315	4139565	0.0002	5.22	5.22	0	ANNUAL	EXHPH6	5
58	offsite	591415	4139565	0.000203	4.82	4.82	0	ANNUAL	EXHPH6	5
59	offsite	591515	4139565	0.000207	4.93	4.93	0	ANNUAL	EXHPH6	5
60	offsite	591615	4139565	0.000209	5.43	5.43	0	ANNUAL	EXHPH6	5
61	offsite	591715	4139565	0.000214	4.86	4.86	0	ANNUAL	EXHPH6	5
62	offsite	591815	4139565	0.000217	5.34	5.34	0	ANNUAL	EXHPH6	5
63	offsite	591915	4139565	0.000222	5.62	5.62	0	ANNUAL	EXHPH6	5
64	offsite	592015	4139565	0.000228	5.38	5.38	0	ANNUAL	EXHPH6	5
65	offsite	592115	4139565	0.000235	4.71	4.71	0	ANNUAL	EXHPH6	5
66	offsite	592215	4139565	0.000241	5.24	5.24	0	ANNUAL	EXHPH6	5
67	offsite	592315	4139565	0.000247	5.06	5.06	0	ANNUAL	EXHPH6	5
68	offsite	592415	4139565	0.000253	5.26	5.26	0	ANNUAL	EXHPH6	5
69	offsite	592515	4139565	0.000258	5.15	5.15	0	ANNUAL	EXHPH6	5
70	offsite	592615	4139565	0.000263	4.95	4.95	0	ANNUAL	EXHPH6	5
71	offsite	592715	4139565	0.000267	4.73	4.73	0	ANNUAL	EXHPH6	5
72	offsite	592815	4139565	0.00027	4.85	4.85	0	ANNUAL	EXHPH6	5
73	offsite	589515	4139665	0.000127	5.19	5.19	0	ANNUAL	EXHPH6	5
74	offsite	589615	4139665	0.000131	4.68	4.68	0	ANNUAL	EXHPH6	5
75	offsite	591215	4139665	0.000207	7.12	7.94	0	ANNUAL	EXHPH6	5
76	offsite	591315	4139665	0.000214	5.29	5.29	0	ANNUAL	EXHPH6	5
77	offsite	591415	4139665	0.00022	4.55	4.55	0	ANNUAL	EXHPH6	5
78	offsite	591515	4139665	0.000224	5.22	5.22	0	ANNUAL	EXHPH6	5
79	offsite	591615	4139665	0.000229	4.77	4.77	0	ANNUAL	EXHPH6	5
80	offsite	591715	4139665	0.000234	4.96	4.96	0	ANNUAL	EXHPH6	5
81	offsite	591815	4139665	0.000239	4.79	4.79	0	ANNUAL	EXHPH6	5
82	offsite	591915	4139665	0.000245	5.16	5.16	0	ANNUAL	EXHPH6	5
83	offsite	592015	4139665	0.000252	4.25	4.25	0	ANNUAL	EXHPH6	5
84	offsite	592115	4139665	0.000259	5.05	5.05	0	ANNUAL	EXHPH6	5
85	offsite	592215	4139665	0.000266	5.18	5.18	0	ANNUAL	EXHPH6	5
86	offsite	592315	4139665	0.000273	4.87	4.87	0	ANNUAL	EXHPH6	5
87	offsite	592415	4139665	0.00028	5.23	5.23	0	ANNUAL	EXHPH6	5
88	offsite	592515	4139665	0.000286	4.54	4.54	0	ANNUAL	EXHPH6	5
89	offsite	592615	4139665	0.00029	4.65	4.65	0	ANNUAL	EXHPH6	5
90	offsite	592715	4139665	0.000294	5.14	5.14	0	ANNUAL	EXHPH6	5
91	offsite	592815	4139665	0.000295	4.42	4.42	0	ANNUAL	EXHPH6	5
92	offsite	589515	4139765	0.000131	4.88	4.88	0	ANNUAL	EXHPH6	5
93	offsite	589615	4139765	0.000135	5.59	5.59	0	ANNUAL	EXHPH6	5
94	offsite	591415	4139765	0.00024	5.12	5.12	0	ANNUAL	EXHPH6	5
95	offsite	591515	4139765	0.000244	5.43	5.43	0	ANNUAL	EXHPH6	5
96	offsite	591615	4139765	0.000251	4.5	4.5	0	ANNUAL	EXHPH6	5
97	offsite	591715	4139765	0.000257	4.68	4.68	0	ANNUAL	EXHPH6	5
98	offsite	591815	4139765	0.000264	4.36	4.36	0	ANNUAL	EXHPH6	5
99	offsite	591915	4139765	0.000272	4.98	4.98	0	ANNUAL	EXHPH6	5
100	offsite	592015	4139765	0.00028	4.84	4.84	0	ANNUAL	EXHPH6	5
101	offsite	592115	4139765	0.000289	4.78	4.78	0	ANNUAL	EXHPH6	5
102	offsite	592215	4139765	0.000297	4.52	4.52	0	ANNUAL	EXHPH6	5
103	offsite	592315	4139765	0.000305	4.27	4.27	0	ANNUAL	EXHPH6	5
104	offsite	592415	4139765	0.000312	4.34	4.34	0	ANNUAL	EXHPH6	5
105	offsite	592515	4139765	0.000318	3.7	3.7	0	ANNUAL	EXHPH6	5
106	offsite	592615	4139765	0.000322	4.36	4.36	0	ANNUAL	EXHPH6	5
107	offsite	592715	4139765	0.000324	4.37	4.37	0	ANNUAL	EXHPH6	5
108	offsite	592815	4139765	0.000324	4.57	4.57	0	ANNUAL	EXHPH6	5
109	offsite	589515	4139865	0.000136	4.37	4.37	0	ANNUAL	EXHPH6	5
110	offsite	589615	4139865	0.000142	4.93	4.93	0	ANNUAL	EXHPH6	5
111	offsite	591515	4139865	0.000271	4.77	4.77	0	ANNUAL	EXHPH6	5
112	offsite	591615	4139865	0.000278	4.49	4.49	0	ANNUAL	EXHPH6	5
113	offsite	591715	4139865	0.000286	4.75	4.75	0	ANNUAL	EXHPH6	5
114	offsite	591815	4139865	0.000295	4.46	4.46	0	ANNUAL	EXHPH6	5
115	offsite	591915	4139865	0.000305	4.63	4.63	0	ANNUAL	EXHPH6	5
116	offsite	592015	4139865	0.000315	4.46	4.46	0	ANNUAL	EXHPH6	5
117	offsite	592115	4139865	0.000325	4.47	4.47	0	ANNUAL	EXHPH6	5
118	offsite	592215	4139865	0.000335	4.48	4.48	0	ANNUAL	EXHPH6	5
119	offsite	592315	4139865	0.000343	4.36	4.36	0	ANNUAL	EXHPH6	5
120	offsite	592415	4139865	0.00035	4.48	4.48	0	ANNUAL	EXHPH6	5

Phase 7

	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
PHASE:	7	7	7	7	7	7	7	7	7	7
1	offsite	589515	4139265	7.12E-05	5.92	5.92	0	ANNUAL	EXHPH7	5
2	offsite	589615	4139265	7.38E-05	5.62	5.62	0	ANNUAL	EXHPH7	5
3	offsite	591315	4139265	0.000125	6.86	8.3	0	ANNUAL	EXHPH7	5
4	offsite	591415	4139265	0.000128	5.43	5.43	0	ANNUAL	EXHPH7	5
5	offsite	591515	4139265	0.00013	6.27	6.27	0	ANNUAL	EXHPH7	5
6	offsite	591615	4139265	0.000132	5.97	5.97	0	ANNUAL	EXHPH7	5
7	offsite	591715	4139265	0.000135	5.85	5.85	0	ANNUAL	EXHPH7	5
8	offsite	591815	4139265	0.000138	5.59	5.59	0	ANNUAL	EXHPH7	5
9	offsite	591915	4139265	0.000141	5.85	5.85	0	ANNUAL	EXHPH7	5
10	offsite	592015	4139265	0.000145	5.87	5.87	0	ANNUAL	EXHPH7	5
11	offsite	592115	4139265	0.000149	6.12	6.12	0	ANNUAL	EXHPH7	5
12	offsite	592215	4139265	0.000153	6.36	6.36	0	ANNUAL	EXHPH7	5
13	offsite	592315	4139265	0.000158	5.73	5.73	0	ANNUAL	EXHPH7	5
14	offsite	592415	4139265	0.000162	5.49	5.49	0	ANNUAL	EXHPH7	5
15	offsite	592515	4139265	0.000167	6.15	6.15	0	ANNUAL	EXHPH7	5
16	offsite	592615	4139265	0.00017	6.32	6.32	0	ANNUAL	EXHPH7	5
17	offsite	592715	4139265	0.000173	5.4	5.4	0	ANNUAL	EXHPH7	5
18	offsite	592815	4139265	0.000175	5.06	5.06	0	ANNUAL	EXHPH7	5
19	offsite	589515	4139365	7.37E-05	5.9	5.9	0	ANNUAL	EXHPH7	5
20	offsite	589615	4139365	7.65E-05	5.06	5.06	0	ANNUAL	EXHPH7	5
21	offsite	591315	4139365	0.000136	3.3	8.4	0	ANNUAL	EXHPH7	5
22	offsite	591415	4139365	0.000139	5.1	5.1	0	ANNUAL	EXHPH7	5
23	offsite	591515	4139365	0.000142	6.23	6.23	0	ANNUAL	EXHPH7	5
24	offsite	591615	4139365	0.000145	6.02	6.02	0	ANNUAL	EXHPH7	5
25	offsite	591715	4139365	0.000148	5.84	5.84	0	ANNUAL	EXHPH7	5
26	offsite	591815	4139365	0.000152	5.32	5.32	0	ANNUAL	EXHPH7	5
27	offsite	591915	4139365	0.000156	5.31	5.31	0	ANNUAL	EXHPH7	5
28	offsite	592015	4139365	0.000161	5.58	5.58	0	ANNUAL	EXHPH7	5
29	offsite	592115	4139365	0.000166	5.75	5.75	0	ANNUAL	EXHPH7	5
30	offsite	592215	4139365	0.000171	6.14	6.14	0	ANNUAL	EXHPH7	5
31	offsite	592315	4139365	0.000177	5.39	5.39	0	ANNUAL	EXHPH7	5
32	offsite	592415	4139365	0.000182	5.53	5.53	0	ANNUAL	EXHPH7	5
33	offsite	592515	4139365	0.000186	5.1	5.1	0	ANNUAL	EXHPH7	5
34	offsite	592615	4139365	0.00019	4.31	4.31	0	ANNUAL	EXHPH7	5
35	offsite	592715	4139365	0.000192	4.33	4.33	0	ANNUAL	EXHPH7	5
36	offsite	592815	4139365	0.000193	5.39	5.39	0	ANNUAL	EXHPH7	5
37	offsite	589515	4139465	7.63E-05	5.24	5.24	0	ANNUAL	EXHPH7	5
38	offsite	589615	4139465	7.93E-05	4.7	4.7	0	ANNUAL	EXHPH7	5
39	offsite	591315	4139465	0.00015	6.05	6.05	0	ANNUAL	EXHPH7	5
40	offsite	591415	4139465	0.000153	4.97	4.97	0	ANNUAL	EXHPH7	5
41	offsite	591515	4139465	0.000157	4.87	4.87	0	ANNUAL	EXHPH7	5
42	offsite	591615	4139465	0.00016	4.96	4.96	0	ANNUAL	EXHPH7	5
43	offsite	591715	4139465	0.000165	5.96	5.96	0	ANNUAL	EXHPH7	5
44	offsite	591815	4139465	0.000169	6.16	6.16	0	ANNUAL	EXHPH7	5
45	offsite	591915	4139465	0.000175	5.77	5.77	0	ANNUAL	EXHPH7	5
46	offsite	592015	4139465	0.000181	5.71	5.71	0	ANNUAL	EXHPH7	5
47	offsite	592115	4139465	0.000187	5.19	5.19	0	ANNUAL	EXHPH7	5
48	offsite	592215	4139465	0.000193	6.14	6.14	0	ANNUAL	EXHPH7	5
49	offsite	592315	4139465	0.0002	5.42	5.42	0	ANNUAL	EXHPH7	5
50	offsite	592415	4139465	0.000205	5.21	5.21	0	ANNUAL	EXHPH7	5
51	offsite	592515	4139465	0.00021	5.84	5.84	0	ANNUAL	EXHPH7	5
52	offsite	592615	4139465	0.000213	5.69	5.69	0	ANNUAL	EXHPH7	5
53	offsite	592715	4139465	0.000214	4.29	4.29	0	ANNUAL	EXHPH7	5
54	offsite	592815	4139465	0.000214	4.91	4.91	0	ANNUAL	EXHPH7	5
55	offsite	589515	4139565	7.91E-05	5.51	5.51	0	ANNUAL	EXHPH7	5
56	offsite	589615	4139565	8.24E-05	4.84	4.84	0	ANNUAL	EXHPH7	5
57	offsite	591315	4139565	0.000166	5.22	5.22	0	ANNUAL	EXHPH7	5
58	offsite	591415	4139565	0.00017	4.82	4.82	0	ANNUAL	EXHPH7	5
59	offsite	591515	4139565	0.000174	4.93	4.93	0	ANNUAL	EXHPH7	5
60	offsite	591615	4139565	0.000179	5.43	5.43	0	ANNUAL	EXHPH7	5
61	offsite	591715	4139565	0.000185	4.86	4.86	0	ANNUAL	EXHPH7	5
62	offsite	591815	4139565	0.000191	5.34	5.34	0	ANNUAL	EXHPH7	5
63	offsite	591915	4139565	0.000198	5.62	5.62	0	ANNUAL	EXHPH7	5
64	offsite	592015	4139565	0.000205	5.38	5.38	0	ANNUAL	EXHPH7	5
65	offsite	592115	4139565	0.000213	4.71	4.71	0	ANNUAL	EXHPH7	5
66	offsite	592215	4139565	0.000221	5.24	5.24	0	ANNUAL	EXHPH7	5
67	offsite	592315	4139565	0.000228	5.06	5.06	0	ANNUAL	EXHPH7	5
68	offsite	592415	4139565	0.000234	5.26	5.26	0	ANNUAL	EXHPH7	5
69	offsite	592515	4139565	0.000237	5.15	5.15	0	ANNUAL	EXHPH7	5
70	offsite	592615	4139565	0.000239	4.95	4.95	0	ANNUAL	EXHPH7	5
71	offsite	592715	4139565	0.000239	4.73	4.73	0	ANNUAL	EXHPH7	5
72	offsite	592815	4139565	0.000237	4.85	4.85	0	ANNUAL	EXHPH7	5
73	offsite	589515	4139665	8.2E-05	5.19	5.19	0	ANNUAL	EXHPH7	5
74	offsite	589615	4139665	8.56E-05	4.68	4.68	0	ANNUAL	EXHPH7	5
75	offsite	591215	4139665	0.00018	7.12	7.94	0	ANNUAL	EXHPH7	5
76	offsite	591315	4139665	0.000186	5.29	5.29	0	ANNUAL	EXHPH7	5
77	offsite	591415	4139665	0.000191	4.55	4.55	0	ANNUAL	EXHPH7	5
78	offsite	591515	4139665	0.000197	5.22	5.22	0	ANNUAL	EXHPH7	5
79	offsite	591615	4139665	0.000203	4.77	4.77	0	ANNUAL	EXHPH7	5
80	offsite	591715	4139665	0.00021	4.96	4.96	0	ANNUAL	EXHPH7	5
81	offsite	591815	4139665	0.000218	4.79	4.79	0	ANNUAL	EXHPH7	5
82	offsite	591915	4139665	0.000228	5.16	5.16	0	ANNUAL	EXHPH7	5
83	offsite	592015	4139665	0.000237	4.25	4.25	0	ANNUAL	EXHPH7	5
84	offsite	592115	4139665	0.000247	5.05	5.05	0	ANNUAL	EXHPH7	5
85	offsite	592215	4139665	0.000256	5.18	5.18	0	ANNUAL	EXHPH7	5
86	offsite	592315	4139665	0.000263	4.87	4.87	0	ANNUAL	EXHPH7	5
87	offsite	592415	4139665	0.000268	5.23	5.23	0	ANNUAL	EXHPH7	5
88	offsite	592515	4139665	0.00027	4.54	4.54	0	ANNUAL	EXHPH7	5
89	offsite	592615	4139665	0.000269	4.65	4.65	0	ANNUAL	EXHPH7	5
90	offsite	592715	4139665	0.000266	5.14	5.14	0	ANNUAL	EXHPH7	5
91	offsite	592815	4139665	0.000261	4.42	4.42	0	ANNUAL	EXHPH7	5
92	offsite	589515	4139765	8.49E-05	4.88	4.88	0	ANNUAL	EXHPH7	5
93	offsite	589615	4139765	8.91E-05	5.59	5.59	0	ANNUAL	EXHPH7	5
94	offsite	591415	4139765	0.000217	5.12	5.12	0	ANNUAL	EXHPH7	5
95	offsite	591515	4139765	0.000225	5.43	5.43	0	ANNUAL	EXHPH7	5
96	offsite	591615	4139765	0.000233	4.5	4.5	0	ANNUAL	EXHPH7	5
97	offsite	591715	4139765	0.000243	4.68	4.68	0	ANNUAL	EXHPH7	5
98	offsite	591815	4139765	0.000254	4.36	4.36	0	ANNUAL	EXHPH7	5
99	offsite	591915	4139765	0.000267	4.98	4.98	0	ANNUAL	EXHPH7	5
100	offsite	592015	4139765	0.000279	4.84	4.84	0	ANNUAL	EXHPH7	5
101	offsite	592115	4139765	0.00029	4.78	4.78	0	ANNUAL	EXHPH7	5
102	offsite	592215	4139765	0.000299	4.52	4.52	0	ANNUAL	EXHPH7	5
103	offsite	592315	4139765	0.000305	4.27	4.27	0	ANNUAL	EXHPH7	5
104	offsite	592415	4139765	0.000308	4.34	4.34	0	ANNUAL	EXHPH7	5
105	offsite	592515	4139765	0.000307	3.7	3.7	0	ANNUAL	EXHPH7	5
106	offsite	592615	4139765	0.000303	4.36	4.36	0	ANNUAL	EXHPH7	5
107	offsite	592715	4139765	0.000296	4.37	4.37	0	ANNUAL	EXHPH7	5
108	offsite	592815	4139765	0.000286	4.57	4.57	0	ANNUAL	EXHPH7	5
109	offsite	589515	4139865	8.8E-05	4.37	4.37	0	ANNUAL	EXHPH7	5
110	offsite	589615	4139865	9.25E-05	4.93	4.93	0	ANNUAL	EXHPH7	5
111	offsite	591515	4139865	0.000262	4.77	4.77	0	ANNUAL	EXHPH7	5
112	offsite	591615	4139865	0.000273	4.49	4.49	0	ANNUAL	EXHPH7	5
113	offsite	591715	4139865	0.000287	4.75	4.75	0	ANNUAL	EXHPH7	5
114	offsite	591815	4139865	0.000303	4.46	4.46	0	ANNUAL	EXHPH7	5
115	offsite	591915	4139865	0.000319	4.63	4.63	0	ANNUAL	EXHPH7	5
116	offsite	592015	4139865	0.000334	4.46	4.46	0	ANNUAL	EXHPH7	5
117	offsite	592115	4139865	0.000346	4.47	4.47	0	ANNUAL	EXHPH7	5
118	offsite	592215	4139865	0.000354	4.48	4.48	0	ANNUAL	EXHPH7	5
119	offsite	592315	4139865	0.000357	4.36	4.36	0	ANNUAL	EXHPH7	5
120	offsite	592415	4139865	0.000355	4.48	4.48	0	ANNUAL	EXHPH7	5

Phase 8

	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
PHASE:	8	8	8	8	8	8	8	8	8	
1	offsite	589515	4139265	4.45E-05	5.92	5.92	0	ANNUAL	EXHPH8	5
2	offsite	589615	4139265	4.59E-05	5.62	5.62	0	ANNUAL	EXHPH8	5
3	offsite	591315	4139265	7.71E-05	6.86	8.3	0	ANNUAL	EXHPH8	5
4	offsite	591415	4139265	7.85E-05	5.43	5.43	0	ANNUAL	EXHPH8	5
5	offsite	591515	4139265	8.01E-05	6.27	6.27	0	ANNUAL	EXHPH8	5
6	offsite	591615	4139265	8.15E-05	5.97	5.97	0	ANNUAL	EXHPH8	5
7	offsite	591715	4139265	8.29E-05	5.85	5.85	0	ANNUAL	EXHPH8	5
8	offsite	591815	4139265	8.43E-05	5.59	5.59	0	ANNUAL	EXHPH8	5
9	offsite	591915	4139265	8.58E-05	5.85	5.85	0	ANNUAL	EXHPH8	5
10	offsite	592015	4139265	8.74E-05	5.87	5.87	0	ANNUAL	EXHPH8	5
11	offsite	592115	4139265	8.92E-05	6.12	6.12	0	ANNUAL	EXHPH8	5
12	offsite	592215	4139265	9.12E-05	6.36	6.36	0	ANNUAL	EXHPH8	5
13	offsite	592315	4139265	9.33E-05	5.73	5.73	0	ANNUAL	EXHPH8	5
14	offsite	592415	4139265	9.57E-05	5.49	5.49	0	ANNUAL	EXHPH8	5
15	offsite	592515	4139265	9.83E-05	6.15	6.15	0	ANNUAL	EXHPH8	5
16	offsite	592615	4139265	0.000101	6.32	6.32	0	ANNUAL	EXHPH8	5
17	offsite	592715	4139265	0.000104	5.4	5.4	0	ANNUAL	EXHPH8	5
18	offsite	592815	4139265	0.000106	5.06	5.06	0	ANNUAL	EXHPH8	5
19	offsite	589515	4139365	4.59E-05	5.9	5.9	0	ANNUAL	EXHPH8	5
20	offsite	589615	4139365	4.74E-05	5.06	5.06	0	ANNUAL	EXHPH8	5
21	offsite	591315	4139365	8.28E-05	3.3	8.4	0	ANNUAL	EXHPH8	5
22	offsite	591415	4139365	8.48E-05	5.1	5.1	0	ANNUAL	EXHPH8	5
23	offsite	591515	4139365	8.66E-05	6.23	6.23	0	ANNUAL	EXHPH8	5
24	offsite	591615	4139365	8.83E-05	6.02	6.02	0	ANNUAL	EXHPH8	5
25	offsite	591715	4139365	8.99E-05	5.84	5.84	0	ANNUAL	EXHPH8	5
26	offsite	591815	4139365	9.16E-05	5.32	5.32	0	ANNUAL	EXHPH8	5
27	offsite	591915	4139365	9.34E-05	5.31	5.31	0	ANNUAL	EXHPH8	5
28	offsite	592015	4139365	9.54E-05	5.58	5.58	0	ANNUAL	EXHPH8	5
29	offsite	592115	4139365	9.76E-05	5.75	5.75	0	ANNUAL	EXHPH8	5
30	offsite	592215	4139365	0.0001	6.14	6.14	0	ANNUAL	EXHPH8	5
31	offsite	592315	4139365	0.000103	5.39	5.39	0	ANNUAL	EXHPH8	5
32	offsite	592415	4139365	0.000106	5.53	5.53	0	ANNUAL	EXHPH8	5
33	offsite	592515	4139365	0.000109	5.1	5.1	0	ANNUAL	EXHPH8	5
34	offsite	592615	4139365	0.000112	4.31	4.31	0	ANNUAL	EXHPH8	5
35	offsite	592715	4139365	0.000115	4.33	4.33	0	ANNUAL	EXHPH8	5
36	offsite	592815	4139365	0.000118	5.39	5.39	0	ANNUAL	EXHPH8	5
37	offsite	589515	4139465	4.72E-05	5.24	5.24	0	ANNUAL	EXHPH8	5
38	offsite	589615	4139465	4.89E-05	4.7	4.7	0	ANNUAL	EXHPH8	5
39	offsite	591315	4139465	9E-05	6.05	6.05	0	ANNUAL	EXHPH8	5
40	offsite	591415	4139465	9.21E-05	4.97	4.97	0	ANNUAL	EXHPH8	5
41	offsite	591515	4139465	9.42E-05	4.87	4.87	0	ANNUAL	EXHPH8	5
42	offsite	591615	4139465	9.62E-05	4.96	4.96	0	ANNUAL	EXHPH8	5
43	offsite	591715	4139465	9.82E-05	5.96	5.96	0	ANNUAL	EXHPH8	5
44	offsite	591815	4139465	0.0001	6.16	6.16	0	ANNUAL	EXHPH8	5
45	offsite	591915	4139465	0.000103	5.77	5.77	0	ANNUAL	EXHPH8	5
46	offsite	592015	4139465	0.000105	5.71	5.71	0	ANNUAL	EXHPH8	5
47	offsite	592115	4139465	0.000108	5.19	5.19	0	ANNUAL	EXHPH8	5
48	offsite	592215	4139465	0.000111	6.14	6.14	0	ANNUAL	EXHPH8	5
49	offsite	592315	4139465	0.000114	5.42	5.42	0	ANNUAL	EXHPH8	5
50	offsite	592415	4139465	0.000118	5.21	5.21	0	ANNUAL	EXHPH8	5
51	offsite	592515	4139465	0.000122	5.84	5.84	0	ANNUAL	EXHPH8	5
52	offsite	592615	4139465	0.000125	5.69	5.69	0	ANNUAL	EXHPH8	5
53	offsite	592715	4139465	0.000129	4.29	4.29	0	ANNUAL	EXHPH8	5
54	offsite	592815	4139465	0.000131	4.91	4.91	0	ANNUAL	EXHPH8	5
55	offsite	589515	4139565	4.87E-05	5.51	5.51	0	ANNUAL	EXHPH8	5
56	offsite	589615	4139565	5.05E-05	4.84	4.84	0	ANNUAL	EXHPH8	5
57	offsite	591315	4139565	9.82E-05	5.22	5.22	0	ANNUAL	EXHPH8	5
58	offsite	591415	4139565	0.000101	4.82	4.82	0	ANNUAL	EXHPH8	5
59	offsite	591515	4139565	0.000103	4.93	4.93	0	ANNUAL	EXHPH8	5
60	offsite	591615	4139565	0.000106	5.43	5.43	0	ANNUAL	EXHPH8	5
61	offsite	591715	4139565	0.000108	4.86	4.86	0	ANNUAL	EXHPH8	5
62	offsite	591815	4139565	0.000111	5.34	5.34	0	ANNUAL	EXHPH8	5
63	offsite	591915	4139565	0.000114	5.62	5.62	0	ANNUAL	EXHPH8	5
64	offsite	592015	4139565	0.000117	5.38	5.38	0	ANNUAL	EXHPH8	5
65	offsite	592115	4139565	0.00012	4.71	4.71	0	ANNUAL	EXHPH8	5
66	offsite	592215	4139565	0.000124	5.24	5.24	0	ANNUAL	EXHPH8	5
67	offsite	592315	4139565	0.000129	5.06	5.06	0	ANNUAL	EXHPH8	5
68	offsite	592415	4139565	0.000133	5.26	5.26	0	ANNUAL	EXHPH8	5
69	offsite	592515	4139565	0.000138	5.15	5.15	0	ANNUAL	EXHPH8	5
70	offsite	592615	4139565	0.000142	4.95	4.95	0	ANNUAL	EXHPH8	5
71	offsite	592715	4139565	0.000145	4.73	4.73	0	ANNUAL	EXHPH8	5
72	offsite	592815	4139565	0.000147	4.85	4.85	0	ANNUAL	EXHPH8	5
73	offsite	589515	4139665	5.03E-05	5.19	5.19	0	ANNUAL	EXHPH8	5
74	offsite	589615	4139665	5.22E-05	4.68	4.68	0	ANNUAL	EXHPH8	5
75	offsite	591215	4139665	0.000105	7.12	7.94	0	ANNUAL	EXHPH8	5
76	offsite	591315	4139665	0.000108	5.29	5.29	0	ANNUAL	EXHPH8	5
77	offsite	591415	4139665	0.000111	4.55	4.55	0	ANNUAL	EXHPH8	5
78	offsite	591515	4139665	0.000114	5.22	5.22	0	ANNUAL	EXHPH8	5
79	offsite	591615	4139665	0.000117	4.77	4.77	0	ANNUAL	EXHPH8	5
80	offsite	591715	4139665	0.00012	4.96	4.96	0	ANNUAL	EXHPH8	5
81	offsite	591815	4139665	0.000124	4.79	4.79	0	ANNUAL	EXHPH8	5
82	offsite	591915	4139665	0.000127	5.16	5.16	0	ANNUAL	EXHPH8	5
83	offsite	592015	4139665	0.000131	4.25	4.25	0	ANNUAL	EXHPH8	5
84	offsite	592115	4139665	0.000136	5.05	5.05	0	ANNUAL	EXHPH8	5
85	offsite	592215	4139665	0.000141	5.18	5.18	0	ANNUAL	EXHPH8	5
86	offsite	592315	4139665	0.000147	4.87	4.87	0	ANNUAL	EXHPH8	5
87	offsite	592415	4139665	0.000152	5.23	5.23	0	ANNUAL	EXHPH8	5
88	offsite	592515	4139665	0.000157	4.54	4.54	0	ANNUAL	EXHPH8	5
89	offsite	592615	4139665	0.000161	4.65	4.65	0	ANNUAL	EXHPH8	5
90	offsite	592715	4139665	0.000164	5.14	5.14	0	ANNUAL	EXHPH8	5
91	offsite	592815	4139665	0.000166	4.42	4.42	0	ANNUAL	EXHPH8	5
92	offsite	589515	4139765	5.18E-05	4.88	4.88	0	ANNUAL	EXHPH8	5
93	offsite	589615	4139765	5.4E-05	5.59	5.59	0	ANNUAL	EXHPH8	5
94	offsite	591415	4139765	0.000124	5.12	5.12	0	ANNUAL	EXHPH8	5
95	offsite	591515	4139765	0.000128	5.43	5.43	0	ANNUAL	EXHPH8	5
96	offsite	591615	4139765	0.000132	4.5	4.5	0	ANNUAL	EXHPH8	5
97	offsite	591715	4139765	0.000136	4.68	4.68	0	ANNUAL	EXHPH8	5
98	offsite	591815	4139765	0.00014	4.36	4.36	0	ANNUAL	EXHPH8	5
99	offsite	591915	4139765	0.000145	4.98	4.98	0	ANNUAL	EXHPH8	5
100	offsite	592015	4139765	0.00015	4.84	4.84	0	ANNUAL	EXHPH8	5
101	offsite	592115	4139765	0.000156	4.78	4.78	0	ANNUAL	EXHPH8	5
102	offsite	592215	4139765	0.000163	4.52	4.52	0	ANNUAL	EXHPH8	5
103	offsite	592315	4139765	0.00017	4.27	4.27	0	ANNUAL	EXHPH8	5
104	offsite	592415	4139765	0.000176	4.34	4.34	0	ANNUAL	EXHPH8	5
105	offsite	592515	4139765	0.000182	3.7	3.7	0	ANNUAL	EXHPH8	5
106	offsite	592615	4139765	0.000185	4.36	4.36	0	ANNUAL	EXHPH8	5
107	offsite	592715	4139765	0.000187	4.37	4.37	0	ANNUAL	EXHPH8	5
108	offsite	592815	4139765	0.000188	4.57	4.57	0	ANNUAL	EXHPH8	5
109	offsite	589515	4139865	5.34E-05	4.37	4.37	0	ANNUAL	EXHPH8	5
110	offsite	589615	4139865	5.58E-05	4.93	4.93	0	ANNUAL	EXHPH8	5
111	offsite	591515	4139865	0.000145	4.77	4.77	0	ANNUAL	EXHPH8	5
112	offsite	591615	4139865	0.00015	4.49	4.49	0	ANNUAL	EXHPH8	5
113	offsite	591715	4139865	0.000155	4.75	4.75	0	ANNUAL	EXHPH8	5
114	offsite	591815	4139865	0.000161	4.46	4.46	0	ANNUAL	EXHPH8	5
115	offsite	591915	4139865	0.000167	4.63	4.63	0	ANNUAL	EXHPH8	5
116	offsite	592015	4139865	0.000175	4.46	4.46	0	ANNUAL	EXHPH8	5
117	offsite	592115	4139865	0.000183	4.47	4.47	0	ANNUAL	EXHPH8	5
118	offsite	592215	4139865	0.000192	4.48	4.48	0	ANNUAL	EXHPH8	5
119	offsite	592315	4139865	0.0002	4.36	4.36	0	ANNUAL	EXHPH8	5
120	offsite	592415	4139865	0.000207	4.48	4.48	0	ANNUAL	EXHPH8	5

Phase 5

PHASE:	5	5	5	5	5	5	5	5	5	5	5
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years	Net ID
121	offsite	592515	4139865	0.000287	4.63	4.63	0	ANNUAL	EXHPH5	5	
122	offsite	592615	4139865	0.000273	4.54	4.54	0	ANNUAL	EXHPH5	5	
123	offsite	592715	4139865	0.000258	4.54	4.54	0	ANNUAL	EXHPH5	5	
124	offsite	592815	4139865	0.000243	4.38	4.38	0	ANNUAL	EXHPH5	5	
125	offsite	589515	4139965	0.000125	4.37	4.37	0	ANNUAL	EXHPH5	5	
126	offsite	589615	4139965	0.000132	4.9	4.9	0	ANNUAL	EXHPH5	5	
127	offsite	591715	4139965	0.000385	4.36	4.36	0	ANNUAL	EXHPH5	5	
128	offsite	591815	4139965	0.000388	4.84	4.84	0	ANNUAL	EXHPH5	5	
129	offsite	591915	4139965	0.000387	4.6	4.6	0	ANNUAL	EXHPH5	5	
130	offsite	592015	4139965	0.00038	4.72	4.72	0	ANNUAL	EXHPH5	5	
131	offsite	592115	4139965	0.00037	4.36	4.36	0	ANNUAL	EXHPH5	5	
132	offsite	592215	4139965	0.000356	4.14	4.14	0	ANNUAL	EXHPH5	5	
133	offsite	592315	4139965	0.00034	4.47	4.47	0	ANNUAL	EXHPH5	5	
134	offsite	592415	4139965	0.000322	4.26	4.26	0	ANNUAL	EXHPH5	5	
135	offsite	592515	4139965	0.000304	4.63	4.63	0	ANNUAL	EXHPH5	5	
136	offsite	592615	4139965	0.000285	4.36	4.36	0	ANNUAL	EXHPH5	5	
137	offsite	592715	4139965	0.000266	3.54	3.54	0	ANNUAL	EXHPH5	5	
138	offsite	592815	4139965	0.000249	4.3	4.3	0	ANNUAL	EXHPH5	5	
139	offsite	589515	4140065	0.000132	4.7	4.7	0	ANNUAL	EXHPH5	5	
140	offsite	589615	4140065	0.000141	5.41	5.41	0	ANNUAL	EXHPH5	5	
141	offsite	591715	4140065	0.000457	4.47	4.47	0	ANNUAL	EXHPH5	5	
142	offsite	591815	4140065	0.000454	3.9	3.9	0	ANNUAL	EXHPH5	5	
143	offsite	591915	4140065	0.000445	4.58	4.58	0	ANNUAL	EXHPH5	5	
144	offsite	592015	4140065	0.00043	4.35	4.35	0	ANNUAL	EXHPH5	5	
145	offsite	592115	4140065	0.000411	4.67	4.67	0	ANNUAL	EXHPH5	5	
146	offsite	592215	4140065	0.000389	4.42	4.42	0	ANNUAL	EXHPH5	5	
147	offsite	592315	4140065	0.000365	4.14	4.14	0	ANNUAL	EXHPH5	5	
148	offsite	592415	4140065	0.000341	4.07	4.07	0	ANNUAL	EXHPH5	5	
149	offsite	592515	4140065	0.000317	4.31	4.31	0	ANNUAL	EXHPH5	5	
150	offsite	592615	4140065	0.000294	3.48	3.48	0	ANNUAL	EXHPH5	5	
151	offsite	592715	4140065	0.000272	6.47	6.66	0	ANNUAL	EXHPH5	5	
152	offsite	592815	4140065	0.000251	5.61	5.61	0	ANNUAL	EXHPH5	5	
153	offsite	591715	4140165	0.000544	4.28	4.28	0	ANNUAL	EXHPH5	5	
154	offsite	591815	4140165	0.000529	3.21	3.21	0	ANNUAL	EXHPH5	5	
155	offsite	591915	4140165	0.000507	3.79	3.79	0	ANNUAL	EXHPH5	5	
156	offsite	592015	4140165	0.00048	3.33	3.33	0	ANNUAL	EXHPH5	5	
157	offsite	592115	4140165	0.00045	3.67	3.67	0	ANNUAL	EXHPH5	5	
158	offsite	592215	4140165	0.000418	4.34	4.34	0	ANNUAL	EXHPH5	5	
159	offsite	592315	4140165	0.000386	4.72	4.72	0	ANNUAL	EXHPH5	5	
160	offsite	592415	4140165	0.000355	4.28	4.28	0	ANNUAL	EXHPH5	5	
161	offsite	592515	4140165	0.000325	3.84	3.84	0	ANNUAL	EXHPH5	5	
162	offsite	592615	4140165	0.000298	4.39	4.39	0	ANNUAL	EXHPH5	5	
163	offsite	592715	4140165	0.000272	5.53	5.53	0	ANNUAL	EXHPH5	5	
164	offsite	592815	4140165	0.000249	5.91	8.68	0	ANNUAL	EXHPH5	5	
165	park	591315	4140265	0.000648	3.69	3.69	0	ANNUAL	EXHPH5	5	
166	park	591415	4140265	0.00067	3.92	3.92	0	ANNUAL	EXHPH5	5	
167	offsite	591615	4140265	0.000667	4.63	4.63	0	ANNUAL	EXHPH5	5	
168	offsite	591715	4140265	0.000644	4.75	4.75	0	ANNUAL	EXHPH5	5	
169	offsite	591815	4140265	0.000611	3.38	3.38	0	ANNUAL	EXHPH5	5	
170	park	591915	4140265	0.000571	3.74	3.74	0	ANNUAL	EXHPH5	5	
171	offsite	592015	4140265	0.000527	2.77	2.77	0	ANNUAL	EXHPH5	5	
172	offsite	592115	4140265	0.000484	4.19	4.19	0	ANNUAL	EXHPH5	5	
173	offsite	592215	4140265	0.000441	4.17	4.17	0	ANNUAL	EXHPH5	5	
174	offsite	592315	4140265	0.0004	4.02	4.02	0	ANNUAL	EXHPH5	5	
175	offsite	592415	4140265	0.000362	3.28	3.28	0	ANNUAL	EXHPH5	5	
176	offsite	592515	4140265	0.000327	3.87	3.87	0	ANNUAL	EXHPH5	5	
177	offsite	592615	4140265	0.000296	4.61	4.61	0	ANNUAL	EXHPH5	5	
178	path	592715	4140265	0.000269	7.42	8.59	0	ANNUAL	EXHPH5	5	
179	path	592815	4140265	0.000243	4	8.68	0	ANNUAL	EXHPH5	5	
180	Phase2	590915	4140365	0.000647	5.73	5.73	0	ANNUAL	EXHPH5	5	
181	Phase1	591015	4140365	0.000707	5.56	5.56	0	ANNUAL	EXHPH5	5	
182	Phase1	591115	4140365	0.000768	3.47	3.47	0	ANNUAL	EXHPH5	5	
183	Phase1	591215	4140365	0.000819	4.5	7.04	0	ANNUAL	EXHPH5	5	
184	park	591415	4140365	0.000859	3.64	13.54	0	ANNUAL	EXHPH5	5	
185	offsite	591615	4140365	0.000804	4.61	4.61	0	ANNUAL	EXHPH5	5	
186	school	591715	4140365	0.000752	4.76	4.76	0	ANNUAL	EXHPH5	5	
187	school	591815	4140365	0.000692	3.34	3.34	0	ANNUAL	EXHPH5	5	
188	school	591915	4140365	0.000629	3.51	3.51	0	ANNUAL	EXHPH5	5	
189	offsite	592015	4140365	0.000566	3.24	3.24	0	ANNUAL	EXHPH5	5	
190	offsite	592115	4140365	0.000507	2.61	2.61	0	ANNUAL	EXHPH5	5	
191	offsite	592215	4140365	0.000453	3.46	3.46	0	ANNUAL	EXHPH5	5	
192	offsite	592315	4140365	0.000404	3.12	3.12	0	ANNUAL	EXHPH5	5	
193	offsite	592415	4140365	0.000361	3.86	3.86	0	ANNUAL	EXHPH5	5	
194	offsite	592515	4140365	0.000323	3.6	3.6	0	ANNUAL	EXHPH5	5	
195	offsite	592615	4140365	0.000289	3.76	8.53	0	ANNUAL	EXHPH5	5	
196	path	592715	4140365	0.00026	3.63	8.57	0	ANNUAL	EXHPH5	5	
197	Phase2	590815	4140465	0.000799	7.69	7.69	0	ANNUAL	EXHPH5	5	
198	Phase2	590915	4140465	0.000898	2.98	8.04	0	ANNUAL	EXHPH5	5	
199	Phase2	591015	4140465	0.000987	8.67	10.34	0	ANNUAL	EXHPH5	5	
200	Phase2	591115	4140465	0.001077	6.33	6.33	0	ANNUAL	EXHPH5	5	
201	Phase1	591215	4140465	0.001126	4.21	4.21	0	ANNUAL	EXHPH5	5	
202	Phase1	591315	4140465	0.001134	3.82	13.54	0	ANNUAL	EXHPH5	5	
203	offsite	591515	4140465	0.001044	8.62	12.23	0	ANNUAL	EXHPH5	5	
204	offsite	591615	4140465	0.000952	3.6	3.6	0	ANNUAL	EXHPH5	5	
205	offsite	591715	4140465	0.000857	3.18	3.18	0	ANNUAL	EXHPH5	5	
206	school	591815	4140465	0.000763	3.2	3.2	0	ANNUAL	EXHPH5	5	
207	offsite	591915	4140465	0.000673	2.66	2.66	0	ANNUAL	EXHPH5	5	
208	offsite	592015	4140465	0.000591	2.88	2.88	0	ANNUAL	EXHPH5	5	
209	offsite	592115	4140465	0.000518	3.2	3.2	0	ANNUAL	EXHPH5	5	
210	offsite	592215	4140465	0.000454	3.08	3.08	0	ANNUAL	EXHPH5	5	
211	offsite	592315	4140465	0.000399	3.11	3.11	0	ANNUAL	EXHPH5	5	
212	offsite	592415	4140465	0.000352	3.68	5.55	0	ANNUAL	EXHPH5	5	
213	offsite	592515	4140465	0.000311	3.89	3.89	0	ANNUAL	EXHPH5	5	
214	path	592615	4140465	0.000277	3.63	8.47	0	ANNUAL	EXHPH5	5	
215	path	592715	4140465	0.000248	5.15	8.52	0	ANNUAL	EXHPH5	5	
216	Phase4	590615	4140565	0.000863	2.81	6.9	0	ANNUAL	EXHPH5	5	
217	Phase4	590715	4140565	0.001006	7.46	7.46	0	ANNUAL	EXHPH5	5	
218	Phase2	590815	4140565	0.001168	7.28	8.15	0	ANNUAL	EXHPH5	5	
219	Phase2	590915	4140565	0.001342	7.4	7.4	0	ANNUAL	EXHPH5	5	
220	Phase2	591015	4140565	0.001483	9.93	9.93	0	ANNUAL	EXHPH5	5	
221	Phase2	591115	4140565	0.001582	9.16	9.16	0	ANNUAL	EXHPH5	5	
222	Phase2	591215	4140565	0.001594	8.96	8.96	0	ANNUAL	EXHPH5	5	
223	Phase2	591315	4140565	0.001515	4.72	7.76	0	ANNUAL	EXHPH5	5	
224	offsite	591715	4140565	0.000945	3.05	3.05	0	ANNUAL	EXHPH5	5	
225	offsite	591815	4140565	0.000812	3.45	3.45	0	ANNUAL	EXHPH5	5	
226	offsite	591915	4140565	0.000695	3.37	3.37	0	ANNUAL	EXHPH5	5	
227	offsite	592015	4140565	0.000596	2.35	2.35	0	ANNUAL	EXHPH5	5	
228	offsite	592115	4140565	0.000512	3.13	3.13	0	ANNUAL	EXHPH5	5	
229	offsite	592215	4140565	0.000442	2.74	3.01	0	ANNUAL	EXHPH5	5	
230	offsite	592315	4140565	0.000384	3.18	3.18	0	ANNUAL	EXHPH5	5	
231	offsite	592415	4140565	0.000335	3.07	8.42	0	ANNUAL	EXHPH5	5	
232	path	592515	4140565	0.000295	3.32	8.4	0	ANNUAL	EXHPH5	5	
233	path	592615	4140565	0.000261	7.45	8.26	0	ANNUAL	EXHPH5	5	
234	Phase4	590515	4140665	0.000965	6.23	7.85	0	ANNUAL	EXHPH5	5	
235	Phase4	590615	4140665	0.001232	7.56	9.05	0	ANNUAL	EXHPH5	5	
236	Phase4	590715	4140665	0.001556	7.51	8.57	0	ANNUAL	EXHPH5	5	
237	Phase3	590815	4140665	0.00194	5.96	5.96	0	ANNUAL	EXHPH5	5	
238	Phase3	590915	4140665	0.002246	8.13	8.13	0	ANNUAL	EXHPH5	5	
239	Phase2	591015	4140665	0.002414	9.54	9.54	0	ANNUAL	EXHPH5	5	
240	Phase2	591115	4140665	0.002409	8.35	8.35	0	ANNUAL	EXHPH5	5	

Phase 6

PHASE:	6	6	6	6	6	6	6	6	6	6
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
121	offsite	592515	4139865	0.000355	4.63	4.63	0	ANNUAL	EXHPH6	5
122	offsite	592615	4139865	0.000357	4.54	4.54	0	ANNUAL	EXHPH6	5
123	offsite	592715	4139865	0.000357	4.54	4.54	0	ANNUAL	EXHPH6	5
124	offsite	592815	4139865	0.000355	4.38	4.38	0	ANNUAL	EXHPH6	5
125	offsite	589515	4139965	0.000142	4.37	4.37	0	ANNUAL	EXHPH6	5
126	offsite	589615	4139965	0.000148	4.9	4.9	0	ANNUAL	EXHPH6	5
127	offsite	591715	4139965	0.000322	4.36	4.36	0	ANNUAL	EXHPH6	5
128	offsite	591815	4139965	0.000334	4.84	4.84	0	ANNUAL	EXHPH6	5
129	offsite	591915	4139965	0.000346	4.6	4.6	0	ANNUAL	EXHPH6	5
130	offsite	592015	4139965	0.000359	4.72	4.72	0	ANNUAL	EXHPH6	5
131	offsite	592115	4139965	0.00037	4.36	4.36	0	ANNUAL	EXHPH6	5
132	offsite	592215	4139965	0.000381	4.14	4.14	0	ANNUAL	EXHPH6	5
133	offsite	592315	4139965	0.000389	4.47	4.47	0	ANNUAL	EXHPH6	5
134	offsite	592415	4139965	0.000395	4.26	4.26	0	ANNUAL	EXHPH6	5
135	offsite	592515	4139965	0.000398	4.63	4.63	0	ANNUAL	EXHPH6	5
136	offsite	592615	4139965	0.000398	4.36	4.36	0	ANNUAL	EXHPH6	5
137	offsite	592715	4139965	0.000395	3.54	3.54	0	ANNUAL	EXHPH6	5
138	offsite	592815	4139965	0.000389	4.3	4.3	0	ANNUAL	EXHPH6	5
139	offsite	589515	4140065	0.000147	4.7	4.7	0	ANNUAL	EXHPH6	5
140	offsite	589615	4140065	0.000152	5.41	5.41	0	ANNUAL	EXHPH6	5
141	offsite	591715	4140065	0.000369	4.47	4.47	0	ANNUAL	EXHPH6	5
142	offsite	591815	4140065	0.000383	3.9	3.9	0	ANNUAL	EXHPH6	5
143	offsite	591915	4140065	0.000399	4.58	4.58	0	ANNUAL	EXHPH6	5
144	offsite	592015	4140065	0.000414	4.35	4.35	0	ANNUAL	EXHPH6	5
145	offsite	592115	4140065	0.000427	4.67	4.67	0	ANNUAL	EXHPH6	5
146	offsite	592215	4140065	0.000437	4.42	4.42	0	ANNUAL	EXHPH6	5
147	offsite	592315	4140065	0.000445	4.14	4.14	0	ANNUAL	EXHPH6	5
148	offsite	592415	4140065	0.000448	4.07	4.07	0	ANNUAL	EXHPH6	5
149	offsite	592515	4140065	0.000447	4.31	4.31	0	ANNUAL	EXHPH6	5
150	offsite	592615	4140065	0.000443	3.48	3.48	0	ANNUAL	EXHPH6	5
151	offsite	592715	4140065	0.000434	6.47	6.66	0	ANNUAL	EXHPH6	5
152	offsite	592815	4140065	0.000423	5.61	5.61	0	ANNUAL	EXHPH6	5
153	offsite	591715	4140165	0.000429	4.28	4.28	0	ANNUAL	EXHPH6	5
154	offsite	591815	4140165	0.000448	3.21	3.21	0	ANNUAL	EXHPH6	5
155	offsite	591915	4140165	0.000467	3.79	3.79	0	ANNUAL	EXHPH6	5
156	offsite	592015	4140165	0.000484	3.33	3.33	0	ANNUAL	EXHPH6	5
157	offsite	592115	4140165	0.000497	3.67	3.67	0	ANNUAL	EXHPH6	5
158	offsite	592215	4140165	0.000506	4.34	4.34	0	ANNUAL	EXHPH6	5
159	offsite	592315	4140165	0.00051	4.72	4.72	0	ANNUAL	EXHPH6	5
160	offsite	592415	4140165	0.000508	4.28	4.28	0	ANNUAL	EXHPH6	5
161	offsite	592515	4140165	0.000502	3.84	3.84	0	ANNUAL	EXHPH6	5
162	offsite	592615	4140165	0.000491	4.39	4.39	0	ANNUAL	EXHPH6	5
163	offsite	592715	4140165	0.000476	5.53	5.53	0	ANNUAL	EXHPH6	5
164	offsite	592815	4140165	0.000458	5.91	8.68	0	ANNUAL	EXHPH6	5
165	park	591315	4140265	0.000424	3.69	3.69	0	ANNUAL	EXHPH6	5
166	park	591415	4140265	0.000442	3.92	3.92	0	ANNUAL	EXHPH6	5
167	offsite	591615	4140265	0.000485	4.63	4.63	0	ANNUAL	EXHPH6	5
168	offsite	591715	4140265	0.000509	4.75	4.75	0	ANNUAL	EXHPH6	5
169	offsite	591815	4140265	0.000533	3.38	3.38	0	ANNUAL	EXHPH6	5
170	park	591915	4140265	0.000555	3.74	3.74	0	ANNUAL	EXHPH6	5
171	offsite	592015	4140265	0.000573	2.77	2.77	0	ANNUAL	EXHPH6	5
172	offsite	592115	4140265	0.000584	4.19	4.19	0	ANNUAL	EXHPH6	5
173	offsite	592215	4140265	0.000588	4.17	4.17	0	ANNUAL	EXHPH6	5
174	offsite	592315	4140265	0.000586	4.02	4.02	0	ANNUAL	EXHPH6	5
175	offsite	592415	4140265	0.000576	3.28	3.28	0	ANNUAL	EXHPH6	5
176	offsite	592515	4140265	0.000561	3.87	3.87	0	ANNUAL	EXHPH6	5
177	offsite	592615	4140265	0.000541	4.61	4.61	0	ANNUAL	EXHPH6	5
178	path	592715	4140265	0.000517	7.42	8.59	0	ANNUAL	EXHPH6	5
179	path	592815	4140265	0.000492	4	8.68	0	ANNUAL	EXHPH6	5
180	Phase2	590915	4140365	0.000408	5.73	5.73	0	ANNUAL	EXHPH6	5
181	Phase1	591015	4140365	0.000431	5.56	5.56	0	ANNUAL	EXHPH6	5
182	Phase1	591115	4140365	0.000456	3.47	3.47	0	ANNUAL	EXHPH6	5
183	Phase1	591215	4140365	0.000478	4.5	7.04	0	ANNUAL	EXHPH6	5
184	park	591415	4140365	0.000526	3.64	13.54	0	ANNUAL	EXHPH6	5
185	offsite	591615	4140365	0.000586	4.61	4.61	0	ANNUAL	EXHPH6	5
186	school	591715	4140365	0.000618	4.76	4.76	0	ANNUAL	EXHPH6	5
187	school	591815	4140365	0.000648	3.34	3.34	0	ANNUAL	EXHPH6	5
188	school	591915	4140365	0.000671	3.51	3.51	0	ANNUAL	EXHPH6	5
189	offsite	592015	4140365	0.000686	3.24	3.24	0	ANNUAL	EXHPH6	5
190	offsite	592115	4140365	0.00069	2.61	2.61	0	ANNUAL	EXHPH6	5
191	offsite	592215	4140365	0.000685	3.46	3.46	0	ANNUAL	EXHPH6	5
192	offsite	592315	4140365	0.000671	3.12	3.12	0	ANNUAL	EXHPH6	5
193	offsite	592415	4140365	0.000649	3.86	3.86	0	ANNUAL	EXHPH6	5
194	offsite	592515	4140365	0.000621	3.6	3.6	0	ANNUAL	EXHPH6	5
195	offsite	592615	4140365	0.000589	3.76	8.53	0	ANNUAL	EXHPH6	5
196	path	592715	4140365	0.000555	3.63	8.57	0	ANNUAL	EXHPH6	5
197	Phase2	590815	4140465	0.000434	7.69	7.69	0	ANNUAL	EXHPH6	5
198	Phase2	590915	4140465	0.000479	2.98	8.04	0	ANNUAL	EXHPH6	5
199	Phase2	591015	4140465	0.000494	8.67	10.34	0	ANNUAL	EXHPH6	5
200	Phase2	591115	4140465	0.000537	6.33	6.33	0	ANNUAL	EXHPH6	5
201	Phase1	591215	4140465	0.000573	4.21	4.21	0	ANNUAL	EXHPH6	5
202	Phase1	591315	4140465	0.000607	3.82	13.54	0	ANNUAL	EXHPH6	5
203	offsite	591515	4140465	0.000675	8.62	12.23	0	ANNUAL	EXHPH6	5
204	offsite	591615	4140465	0.00073	3.6	3.6	0	ANNUAL	EXHPH6	5
205	offsite	591715	4140465	0.00077	3.18	3.18	0	ANNUAL	EXHPH6	5
206	school	591815	4140465	0.000802	3.2	3.2	0	ANNUAL	EXHPH6	5
207	offsite	591915	4140465	0.000821	2.66	2.66	0	ANNUAL	EXHPH6	5
208	offsite	592015	4140465	0.000826	2.88	2.88	0	ANNUAL	EXHPH6	5
209	offsite	592115	4140465	0.000817	3.2	3.2	0	ANNUAL	EXHPH6	5
210	offsite	592215	4140465	0.000795	3.08	3.08	0	ANNUAL	EXHPH6	5
211	offsite	592315	4140465	0.000763	3.11	3.11	0	ANNUAL	EXHPH6	5
212	offsite	592415	4140465	0.000724	3.68	5.55	0	ANNUAL	EXHPH6	5
213	offsite	592515	4140465	0.00068	3.89	3.89	0	ANNUAL	EXHPH6	5
214	path	592615	4140465	0.000633	3.63	8.47	0	ANNUAL	EXHPH6	5
215	path	592715	4140465	0.000588	5.15	8.52	0	ANNUAL	EXHPH6	5
216	Phase4	590615	4140565	0.000433	2.81	6.9	0	ANNUAL	EXHPH6	5
217	Phase4	590715	4140565	0.000464	7.46	7.46	0	ANNUAL	EXHPH6	5
218	Phase2	590815	4140565	0.00051	7.28	8.15	0	ANNUAL	EXHPH6	5
219	Phase2	590915	4140565	0.000556	7.4	7.4	0	ANNUAL	EXHPH6	5
220	Phase2	591015	4140565	0.000588	9.93	9.93	0	ANNUAL	EXHPH6	5
221	Phase2	591115	4140565	0.000639	9.16	9.16	0	ANNUAL	EXHPH6	5
222	Phase2	591215	4140565	0.000688	8.96	8.96	0	ANNUAL	EXHPH6	5
223	Phase2	591315	4140565	0.000761	4.72	7.76	0	ANNUAL	EXHPH6	5
224	offsite	591715	4140565	0.000982	3.05	3.05	0	ANNUAL	EXHPH6	5
225	offsite	591815	4140565	0.001008	3.45	3.45	0	ANNUAL	EXHPH6	5
226	offsite	591915	4140565	0.001013	3.37	3.37	0	ANNUAL	EXHPH6	5
227	offsite	592015	4140565	0.000997	2.35	2.35	0	ANNUAL	EXHPH6	5
228	offsite	592115	4140565	0.000962	3.13	3.13	0	ANNUAL	EXHPH6	5
229	offsite	592215	4140565	0.000914	2.74	3.01	0	ANNUAL	EXHPH6	5
230	offsite	592315	4140565	0.000856	3.18	3.18	0	ANNUAL	EXHPH6	5
231	offsite	592415	4140565	0.000794	3.07	8.42	0	ANNUAL	EXHPH6	5
232	path	592515	4140565	0.000731	3.32	8.4	0	ANNUAL	EXHPH6	5
233	path	592615	4140565	0.00067	7.45	8.26	0	ANNUAL	EXHPH6	5
234	Phase4	590515	4140665	0.000437	6.23	7.85	0	ANNUAL	EXHPH6	5
235	Phase4	590615	4140665	0.000482	7.56	9.05	0	ANNUAL	EXHPH6	5
236	Phase4	590715	4140665	0.000541	7.51	8.57	0	ANNUAL	EXHPH6	5
237	Phase3	590815	4140665	0.000616	5.96	5.96	0	ANNUAL	EXHPH6	5
238	Phase3	590915	4140665	0.000671	8.13	8.13	0	ANNUAL	EXHPH6	5
239	Phase2	591015	4140665	0.000733	9.54	9.54	0	ANNUAL	EXHPH6	5
240	Phase2	591115	4140665	0.000815	8.35	8.35	0	ANNUAL	EXHPH6	5

Phase 7

PHASE:	7	7	7	7	7	7	7	7	7	7
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
121	offsite	592515	4139865	0.000349	4.63	4.63	0	ANNUAL	EXHPH7	5
122	offsite	592615	4139865	0.000339	4.54	4.54	0	ANNUAL	EXHPH7	5
123	offsite	592715	4139865	0.000326	4.54	4.54	0	ANNUAL	EXHPH7	5
124	offsite	592815	4139865	0.00031	4.38	4.38	0	ANNUAL	EXHPH7	5
125	offsite	589515	4139965	9.11E-05	4.37	4.37	0	ANNUAL	EXHPH7	5
126	offsite	589615	4139965	9.61E-05	4.9	4.9	0	ANNUAL	EXHPH7	5
127	offsite	591715	4139965	0.000348	4.36	4.36	0	ANNUAL	EXHPH7	5
128	offsite	591815	4139965	0.000369	4.84	4.84	0	ANNUAL	EXHPH7	5
129	offsite	591915	4139965	0.000389	4.6	4.6	0	ANNUAL	EXHPH7	5
130	offsite	592015	4139965	0.000406	4.72	4.72	0	ANNUAL	EXHPH7	5
131	offsite	592115	4139965	0.000417	4.36	4.36	0	ANNUAL	EXHPH7	5
132	offsite	592215	4139965	0.000421	4.14	4.14	0	ANNUAL	EXHPH7	5
133	offsite	592315	4139965	0.000418	4.47	4.47	0	ANNUAL	EXHPH7	5
134	offsite	592415	4139965	0.000409	4.26	4.26	0	ANNUAL	EXHPH7	5
135	offsite	592515	4139965	0.000394	4.63	4.63	0	ANNUAL	EXHPH7	5
136	offsite	592615	4139965	0.000376	4.36	4.36	0	ANNUAL	EXHPH7	5
137	offsite	592715	4139965	0.000355	3.54	3.54	0	ANNUAL	EXHPH7	5
138	offsite	592815	4139965	0.000332	4.3	4.3	0	ANNUAL	EXHPH7	5
139	offsite	589515	4140065	9.43E-05	4.7	4.7	0	ANNUAL	EXHPH7	5
140	offsite	589615	4140065	9.98E-05	5.41	5.41	0	ANNUAL	EXHPH7	5
141	offsite	591715	4140065	0.000434	4.47	4.47	0	ANNUAL	EXHPH7	5
142	offsite	591815	4140065	0.000462	3.9	3.9	0	ANNUAL	EXHPH7	5
143	offsite	591915	4140065	0.000486	4.58	4.58	0	ANNUAL	EXHPH7	5
144	offsite	592015	4140065	0.000501	4.35	4.35	0	ANNUAL	EXHPH7	5
145	offsite	592115	4140065	0.000506	4.67	4.67	0	ANNUAL	EXHPH7	5
146	offsite	592215	4140065	0.000501	4.42	4.42	0	ANNUAL	EXHPH7	5
147	offsite	592315	4140065	0.000487	4.14	4.14	0	ANNUAL	EXHPH7	5
148	offsite	592415	4140065	0.000465	4.07	4.07	0	ANNUAL	EXHPH7	5
149	offsite	592515	4140065	0.000439	4.31	4.31	0	ANNUAL	EXHPH7	5
150	offsite	592615	4140065	0.00041	3.48	3.48	0	ANNUAL	EXHPH7	5
151	offsite	592715	4140065	0.00038	6.47	6.66	0	ANNUAL	EXHPH7	5
152	offsite	592815	4140065	0.00035	5.61	5.61	0	ANNUAL	EXHPH7	5
153	offsite	591715	4140165	0.00056	4.28	4.28	0	ANNUAL	EXHPH7	5
154	offsite	591815	4140165	0.000594	3.21	3.21	0	ANNUAL	EXHPH7	5
155	offsite	591915	4140165	0.000617	3.79	3.79	0	ANNUAL	EXHPH7	5
156	offsite	592015	4140165	0.000624	3.33	3.33	0	ANNUAL	EXHPH7	5
157	offsite	592115	4140165	0.000615	3.67	3.67	0	ANNUAL	EXHPH7	5
158	offsite	592215	4140165	0.000593	4.34	4.34	0	ANNUAL	EXHPH7	5
159	offsite	592315	4140165	0.000561	4.72	4.72	0	ANNUAL	EXHPH7	5
160	offsite	592415	4140165	0.000522	4.28	4.28	0	ANNUAL	EXHPH7	5
161	offsite	592515	4140165	0.000481	3.84	3.84	0	ANNUAL	EXHPH7	5
162	offsite	592615	4140165	0.000439	4.39	4.39	0	ANNUAL	EXHPH7	5
163	offsite	592715	4140165	0.000399	5.53	5.53	0	ANNUAL	EXHPH7	5
164	offsite	592815	4140165	0.000361	5.91	8.68	0	ANNUAL	EXHPH7	5
165	park	591315	4140265	0.000537	3.69	3.69	0	ANNUAL	EXHPH7	5
166	park	591415	4140265	0.000583	3.92	3.92	0	ANNUAL	EXHPH7	5
167	offsite	591615	4140265	0.000696	4.63	4.63	0	ANNUAL	EXHPH7	5
168	offsite	591715	4140265	0.000749	4.75	4.75	0	ANNUAL	EXHPH7	5
169	offsite	591815	4140265	0.000784	3.38	3.38	0	ANNUAL	EXHPH7	5
170	park	591915	4140265	0.000794	3.74	3.74	0	ANNUAL	EXHPH7	5
171	offsite	592015	4140265	0.000778	2.77	2.77	0	ANNUAL	EXHPH7	5
172	offsite	592115	4140265	0.000741	4.19	4.19	0	ANNUAL	EXHPH7	5
173	offsite	592215	4140265	0.000691	4.17	4.17	0	ANNUAL	EXHPH7	5
174	offsite	592315	4140265	0.000632	4.02	4.02	0	ANNUAL	EXHPH7	5
175	offsite	592415	4140265	0.000572	3.28	3.28	0	ANNUAL	EXHPH7	5
176	offsite	592515	4140265	0.000513	3.87	3.87	0	ANNUAL	EXHPH7	5
177	offsite	592615	4140265	0.000458	4.61	4.61	0	ANNUAL	EXHPH7	5
178	path	592715	4140265	0.000408	7.42	8.59	0	ANNUAL	EXHPH7	5
179	path	592815	4140265	0.000363	4	8.68	0	ANNUAL	EXHPH7	5
180	Phase2	590915	4140365	0.000448	5.73	5.73	0	ANNUAL	EXHPH7	5
181	Phase1	591015	4140365	0.000513	5.56	5.56	0	ANNUAL	EXHPH7	5
182	Phase1	591115	4140365	0.000581	3.47	3.47	0	ANNUAL	EXHPH7	5
183	Phase1	591215	4140365	0.000651	4.5	7.04	0	ANNUAL	EXHPH7	5
184	park	591415	4140365	0.0008	3.64	13.54	0	ANNUAL	EXHPH7	5
185	offsite	591615	4140365	0.000978	4.61	4.61	0	ANNUAL	EXHPH7	5
186	school	591715	4140365	0.001037	4.76	4.76	0	ANNUAL	EXHPH7	5
187	school	591815	4140365	0.001052	3.34	3.34	0	ANNUAL	EXHPH7	5
188	school	591915	4140365	0.001022	3.51	3.51	0	ANNUAL	EXHPH7	5
189	offsite	592015	4140365	0.000958	3.24	3.24	0	ANNUAL	EXHPH7	5
190	offsite	592115	4140365	0.000875	2.61	2.61	0	ANNUAL	EXHPH7	5
191	offsite	592215	4140365	0.000783	3.46	3.46	0	ANNUAL	EXHPH7	5
192	offsite	592315	4140365	0.000692	3.12	3.12	0	ANNUAL	EXHPH7	5
193	offsite	592415	4140365	0.000607	3.86	3.86	0	ANNUAL	EXHPH7	5
194	offsite	592515	4140365	0.000531	3.6	3.6	0	ANNUAL	EXHPH7	5
195	offsite	592615	4140365	0.000463	3.76	8.53	0	ANNUAL	EXHPH7	5
196	path	592715	4140365	0.000405	3.63	8.57	0	ANNUAL	EXHPH7	5
197	Phase2	590815	4140465	0.000463	7.69	7.69	0	ANNUAL	EXHPH7	5
198	Phase2	590915	4140465	0.000551	2.98	8.04	0	ANNUAL	EXHPH7	5
199	Phase2	591015	4140465	0.000654	8.67	10.34	0	ANNUAL	EXHPH7	5
200	Phase2	591115	4140465	0.000775	6.33	6.33	0	ANNUAL	EXHPH7	5
201	Phase1	591215	4140465	0.000901	4.21	4.21	0	ANNUAL	EXHPH7	5
202	Phase1	591315	4140465	0.001033	3.82	13.54	0	ANNUAL	EXHPH7	5
203	offsite	591515	4140465	0.001333	8.62	12.23	0	ANNUAL	EXHPH7	5
204	offsite	591615	4140465	0.001444	3.6	3.6	0	ANNUAL	EXHPH7	5
205	offsite	591715	4140465	0.001469	3.18	3.18	0	ANNUAL	EXHPH7	5
206	school	591815	4140465	0.001411	3.2	3.2	0	ANNUAL	EXHPH7	5
207	offsite	591915	4140465	0.001293	2.66	2.66	0	ANNUAL	EXHPH7	5
208	offsite	592015	4140465	0.001147	2.88	2.88	0	ANNUAL	EXHPH7	5
209	offsite	592115	4140465	0.000996	3.2	3.2	0	ANNUAL	EXHPH7	5
210	offsite	592215	4140465	0.000854	3.08	3.08	0	ANNUAL	EXHPH7	5
211	offsite	592315	4140465	0.000729	3.11	3.11	0	ANNUAL	EXHPH7	5
212	offsite	592415	4140465	0.000621	3.68	5.55	0	ANNUAL	EXHPH7	5
213	offsite	592515	4140465	0.00053	3.89	3.89	0	ANNUAL	EXHPH7	5
214	path	592615	4140465	0.000454	3.63	8.47	0	ANNUAL	EXHPH7	5
215	path	592715	4140465	0.000391	5.15	8.52	0	ANNUAL	EXHPH7	5
216	Phase4	590615	4140565	0.000376	2.81	6.9	0	ANNUAL	EXHPH7	5
217	Phase4	590715	4140565	0.000454	7.46	7.46	0	ANNUAL	EXHPH7	5
218	Phase2	590815	4140565	0.000556	7.28	8.15	0	ANNUAL	EXHPH7	5
219	Phase2	590915	4140565	0.000691	7.4	7.4	0	ANNUAL	EXHPH7	5
220	Phase2	591015	4140565	0.000855	9.93	9.93	0	ANNUAL	EXHPH7	5
221	Phase2	591115	4140565	0.001078	9.16	9.16	0	ANNUAL	EXHPH7	5
222	Phase2	591215	4140565	0.001333	8.96	8.96	0	ANNUAL	EXHPH7	5
223	Phase2	591315	4140565	0.00164	4.72	7.76	0	ANNUAL	EXHPH7	5
224	offsite	591715	4140565	0.002089	3.05	3.05	0	ANNUAL	EXHPH7	5
225	offsite	591815	4140565	0.001849	3.45	3.45	0	ANNUAL	EXHPH7	5
226	offsite	591915	4140565	0.001573	3.37	3.37	0	ANNUAL	EXHPH7	5
227	offsite	592015	4140565	0.001308	2.35	2.35	0	ANNUAL	EXHPH7	5
228	offsite	592115	4140565	0.001078	3.13	3.13	0	ANNUAL	EXHPH7	5
229	offsite	592215	4140565	0.000887	2.74	3.01	0	ANNUAL	EXHPH7	5
230	offsite	592315	4140565	0.000732	3.18	3.18	0	ANNUAL	EXHPH7	5
231	offsite	592415	4140565	0.000608	3.07	8.42	0	ANNUAL	EXHPH7	5
232	path	592515	4140565	0.000509	3.32	8.4	0	ANNUAL	EXHPH7	5
233	path	592615	4140565	0.00043	7.45	8.26	0	ANNUAL	EXHPH7	5
234	Phase4	590515	4140665	0.00035	6.23	7.85	0	ANNUAL	EXHPH7	5
235	Phase4	590615	4140665	0.000424	7.56	9.05	0	ANNUAL	EXHPH7	5
236	Phase4	590715	4140665	0.000526	7.51	8.57	0	ANNUAL	EXHPH7	5
237	Phase3	590815	4140665	0.00067	5.96	5.96	0	ANNUAL	EXHPH7	5
238	Phase3	590915	4140665	0.000877	8.13	8.13	0	ANNUAL	EXHPH7	5
239	Phase2	591015	4140665	0.001169	9.54	9.54	0	ANNUAL	EXHPH7	5
240	Phase2	591115	4140665	0.001629	8.35	8.35	0	ANNUAL	EXHPH7	5

Phase 8

PHASE:	8	8	8	8	8	8	8	8	8	
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	EXHPH8	Num Years
121	offsite	592515	4139865	0.000212	4.63	4.63	0	ANNUAL	EXHPH8	5
122	offsite	592615	4139865	0.000214	4.54	4.54	0	ANNUAL	EXHPH8	5
123	offsite	592715	4139865	0.000214	4.54	4.54	0	ANNUAL	EXHPH8	5
124	offsite	592815	4139865	0.000212	4.38	4.38	0	ANNUAL	EXHPH8	5
125	offsite	589515	4139965	5.5E-05	4.37	4.37	0	ANNUAL	EXHPH8	5
126	offsite	589615	4139965	5.76E-05	4.9	4.9	0	ANNUAL	EXHPH8	5
127	offsite	591715	4139965	0.00018	4.36	4.36	0	ANNUAL	EXHPH8	5
128	offsite	591815	4139965	0.000188	4.84	4.84	0	ANNUAL	EXHPH8	5
129	offsite	591915	4139965	0.000197	4.6	4.6	0	ANNUAL	EXHPH8	5
130	offsite	592015	4139965	0.000207	4.72	4.72	0	ANNUAL	EXHPH8	5
131	offsite	592115	4139965	0.000218	4.36	4.36	0	ANNUAL	EXHPH8	5
132	offsite	592215	4139965	0.000229	4.14	4.14	0	ANNUAL	EXHPH8	5
133	offsite	592315	4139965	0.000238	4.47	4.47	0	ANNUAL	EXHPH8	5
134	offsite	592415	4139965	0.000245	4.26	4.26	0	ANNUAL	EXHPH8	5
135	offsite	592515	4139965	0.000248	4.63	4.63	0	ANNUAL	EXHPH8	5
136	offsite	592615	4139965	0.000248	4.36	4.36	0	ANNUAL	EXHPH8	5
137	offsite	592715	4139965	0.000244	3.54	3.54	0	ANNUAL	EXHPH8	5
138	offsite	592815	4139965	0.000238	4.3	4.3	0	ANNUAL	EXHPH8	5
139	offsite	589515	4140065	5.67E-05	4.7	4.7	0	ANNUAL	EXHPH8	5
140	offsite	589615	4140065	5.95E-05	5.41	5.41	0	ANNUAL	EXHPH8	5
141	offsite	591715	4140065	0.000214	4.47	4.47	0	ANNUAL	EXHPH8	5
142	offsite	591815	4140065	0.000225	3.9	3.9	0	ANNUAL	EXHPH8	5
143	offsite	591915	4140065	0.000238	4.58	4.58	0	ANNUAL	EXHPH8	5
144	offsite	592015	4140065	0.000252	4.35	4.35	0	ANNUAL	EXHPH8	5
145	offsite	592115	4140065	0.000267	4.67	4.67	0	ANNUAL	EXHPH8	5
146	offsite	592215	4140065	0.000279	4.42	4.42	0	ANNUAL	EXHPH8	5
147	offsite	592315	4140065	0.000288	4.14	4.14	0	ANNUAL	EXHPH8	5
148	offsite	592415	4140065	0.000292	4.07	4.07	0	ANNUAL	EXHPH8	5
149	offsite	592515	4140065	0.000292	4.31	4.31	0	ANNUAL	EXHPH8	5
150	offsite	592615	4140065	0.000286	3.48	3.48	0	ANNUAL	EXHPH8	5
151	offsite	592715	4140065	0.000277	6.47	6.66	0	ANNUAL	EXHPH8	5
152	offsite	592815	4140065	0.000265	5.61	5.61	0	ANNUAL	EXHPH8	5
153	offsite	591715	4140165	0.00026	4.28	4.28	0	ANNUAL	EXHPH8	5
154	offsite	591815	4140165	0.000277	3.21	3.21	0	ANNUAL	EXHPH8	5
155	offsite	591915	4140165	0.000296	3.79	3.79	0	ANNUAL	EXHPH8	5
156	offsite	592015	4140165	0.000316	3.33	3.33	0	ANNUAL	EXHPH8	5
157	offsite	592115	4140165	0.000333	3.67	3.67	0	ANNUAL	EXHPH8	5
158	offsite	592215	4140165	0.000346	4.34	4.34	0	ANNUAL	EXHPH8	5
159	offsite	592315	4140165	0.000352	4.72	4.72	0	ANNUAL	EXHPH8	5
160	offsite	592415	4140165	0.00035	4.28	4.28	0	ANNUAL	EXHPH8	5
161	offsite	592515	4140165	0.000342	3.84	3.84	0	ANNUAL	EXHPH8	5
162	offsite	592615	4140165	0.000328	4.39	4.39	0	ANNUAL	EXHPH8	5
163	offsite	592715	4140165	0.000311	5.53	5.53	0	ANNUAL	EXHPH8	5
164	offsite	592815	4140165	0.000291	5.91	8.68	0	ANNUAL	EXHPH8	5
165	park	591315	4140265	0.00025	3.69	3.69	0	ANNUAL	EXHPH8	5
166	park	591415	4140265	0.000269	3.92	3.92	0	ANNUAL	EXHPH8	5
167	offsite	591615	4140265	0.000306	4.63	4.63	0	ANNUAL	EXHPH8	5
168	offsite	591715	4140265	0.000328	4.75	4.75	0	ANNUAL	EXHPH8	5
169	offsite	591815	4140265	0.000353	3.38	3.38	0	ANNUAL	EXHPH8	5
170	park	591915	4140265	0.000381	3.74	3.74	0	ANNUAL	EXHPH8	5
171	offsite	592015	4140265	0.000407	2.77	2.77	0	ANNUAL	EXHPH8	5
172	offsite	592115	4140265	0.000425	4.19	4.19	0	ANNUAL	EXHPH8	5
173	offsite	592215	4140265	0.000434	4.17	4.17	0	ANNUAL	EXHPH8	5
174	offsite	592315	4140265	0.000431	4.02	4.02	0	ANNUAL	EXHPH8	5
175	offsite	592415	4140265	0.000417	3.28	3.28	0	ANNUAL	EXHPH8	5
176	offsite	592515	4140265	0.000397	3.87	3.87	0	ANNUAL	EXHPH8	5
177	offsite	592615	4140265	0.000371	4.61	4.61	0	ANNUAL	EXHPH8	5
178	path	592715	4140265	0.000343	7.42	8.59	0	ANNUAL	EXHPH8	5
179	path	592815	4140265	0.000314	4	8.68	0	ANNUAL	EXHPH8	5
180	Phase2	590915	4140365	0.000198	5.73	5.73	0	ANNUAL	EXHPH8	5
181	Phase1	591015	4140365	0.000222	5.56	5.56	0	ANNUAL	EXHPH8	5
182	Phase1	591115	4140365	0.000249	3.47	3.47	0	ANNUAL	EXHPH8	5
183	Phase1	591215	4140365	0.000278	4.5	7.04	0	ANNUAL	EXHPH8	5
184	park	591415	4140365	0.000336	3.64	13.54	0	ANNUAL	EXHPH8	5
185	offsite	591615	4140365	0.000395	4.61	4.61	0	ANNUAL	EXHPH8	5
186	school	591715	4140365	0.000431	4.76	4.76	0	ANNUAL	EXHPH8	5
187	school	591815	4140365	0.000471	3.34	3.34	0	ANNUAL	EXHPH8	5
188	school	591915	4140365	0.00051	3.51	3.51	0	ANNUAL	EXHPH8	5
189	offsite	592015	4140365	0.000539	3.24	3.24	0	ANNUAL	EXHPH8	5
190	offsite	592115	4140365	0.000551	2.61	2.61	0	ANNUAL	EXHPH8	5
191	offsite	592215	4140365	0.000546	3.46	3.46	0	ANNUAL	EXHPH8	5
192	offsite	592315	4140365	0.000524	3.12	3.12	0	ANNUAL	EXHPH8	5
193	offsite	592415	4140365	0.000491	3.86	3.86	0	ANNUAL	EXHPH8	5
194	offsite	592515	4140365	0.000452	3.6	3.6	0	ANNUAL	EXHPH8	5
195	offsite	592615	4140365	0.00041	3.76	8.53	0	ANNUAL	EXHPH8	5
196	path	592715	4140365	0.000368	3.63	8.57	0	ANNUAL	EXHPH8	5
197	Phase2	590815	4140465	0.000198	7.69	7.69	0	ANNUAL	EXHPH8	5
198	Phase2	590915	4140465	0.000226	2.98	8.04	0	ANNUAL	EXHPH8	5
199	Phase2	591015	4140465	0.00026	8.67	10.34	0	ANNUAL	EXHPH8	5
200	Phase2	591115	4140465	0.000299	6.33	6.33	0	ANNUAL	EXHPH8	5
201	Phase1	591215	4140465	0.000343	4.21	4.21	0	ANNUAL	EXHPH8	5
202	Phase1	591315	4140465	0.00039	3.82	13.54	0	ANNUAL	EXHPH8	5
203	offsite	591515	4140465	0.000485	8.62	12.23	0	ANNUAL	EXHPH8	5
204	offsite	591615	4140465	0.000538	3.6	3.6	0	ANNUAL	EXHPH8	5
205	offsite	591715	4140465	0.000599	3.18	3.18	0	ANNUAL	EXHPH8	5
206	school	591815	4140465	0.000661	3.2	3.2	0	ANNUAL	EXHPH8	5
207	offsite	591915	4140465	0.000709	2.66	2.66	0	ANNUAL	EXHPH8	5
208	offsite	592015	4140465	0.00073	2.88	2.88	0	ANNUAL	EXHPH8	5
209	offsite	592115	4140465	0.000718	3.2	3.2	0	ANNUAL	EXHPH8	5
210	offsite	592215	4140465	0.000681	3.08	3.08	0	ANNUAL	EXHPH8	5
211	offsite	592315	4140465	0.000626	3.11	3.11	0	ANNUAL	EXHPH8	5
212	offsite	592415	4140465	0.000563	3.68	5.55	0	ANNUAL	EXHPH8	5
213	offsite	592515	4140465	0.0005	3.89	3.89	0	ANNUAL	EXHPH8	5
214	path	592615	4140465	0.000439	3.63	8.47	0	ANNUAL	EXHPH8	5
215	path	592715	4140465	0.000384	5.15	8.52	0	ANNUAL	EXHPH8	5
216	Phase4	590615	4140565	0.000168	2.81	6.9	0	ANNUAL	EXHPH8	5
217	Phase4	590715	4140565	0.000193	7.46	7.46	0	ANNUAL	EXHPH8	5
218	Phase2	590815	4140565	0.000223	7.28	8.15	0	ANNUAL	EXHPH8	5
219	Phase2	590915	4140565	0.000261	7.4	7.4	0	ANNUAL	EXHPH8	5
220	Phase2	591015	4140565	0.000307	9.93	9.93	0	ANNUAL	EXHPH8	5
221	Phase2	591115	4140565	0.000365	9.16	9.16	0	ANNUAL	EXHPH8	5
222	Phase2	591215	4140565	0.000435	8.96	8.96	0	ANNUAL	EXHPH8	5
223	Phase2	591315	4140565	0.000514	4.72	7.76	0	ANNUAL	EXHPH8	5
224	offsite	591715	4140565	0.000895	3.05	3.05	0	ANNUAL	EXHPH8	5
225	offsite	591815	4140565	0.000982	3.45	3.45	0	ANNUAL	EXHPH8	5
226	offsite	591915	4140565	0.001019	3.37	3.37	0	ANNUAL	EXHPH8	5
227	offsite	592015	4140565	0.000995	2.35	2.35	0	ANNUAL	EXHPH8	5
228	offsite	592115	4140565	0.000925	3.13	3.13	0	ANNUAL	EXHPH8	5
229	offsite	592215	4140565	0.000828	2.74	3.01	0	ANNUAL	EXHPH8	5
230	offsite	592315	4140565	0.000723	3.18	3.18	0	ANNUAL	EXHPH8	5
231	offsite	592415	4140565	0.000622	3.07	8.42	0	ANNUAL	EXHPH8	5
232	path	592515	4140565	0.000531	3.32	8.4	0	ANNUAL	EXHPH8	5
233	path	592615	4140565	0.000453	7.45	8.26	0	ANNUAL	EXHPH8	5
234	Phase4	590515	4140665	0.000159	6.23	7.85	0	ANNUAL	EXHPH8	5
235	Phase4	590615	4140665	0.000183	7.56	9.05	0	ANNUAL	EXHPH8	5
236	Phase4	590715	4140665	0.000212	7.51	8.57	0	ANNUAL	EXHPH8	5
237	Phase3	590815	4140665	0.00025	5.96	5.96	0	ANNUAL	EXHPH8	5
238	Phase3	590915	4140665	0.000301	8.13	8.13	0	ANNUAL	EXHPH8	5
239	Phase2	591015	4140665	0.000366	9.54	9.54	0	ANNUAL	EXHPH8	5
240	Phase2	591115	4140665	0.000453	8.35	8.35	0	ANNUAL	EXHPH8	5

Phase 5

PHASE:	5	5	5	5	5	5	5	5	5	5	5
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years	Net ID
241	Phase2	591215	4140665	0.00225	7.74	7.74	0	ANNUAL	EXHPH5	5	
242	offsite	591315	4140665	0.001992	5.84	7.22	0	ANNUAL	EXHPH5	5	
243	offsite	591915	4140665	0.00069	2.89	2.89	0	ANNUAL	EXHPH5	5	
244	offsite	592015	4140665	0.000578	0.58	0.58	0	ANNUAL	EXHPH5	5	
245	offsite	592115	4140665	0.000489	0.84	0.84	0	ANNUAL	EXHPH5	5	
246	offsite	592215	4140665	0.000418	2.07	8.29	0	ANNUAL	EXHPH5	5	
247	path	592315	4140665	0.00036	7.57	8.32	0	ANNUAL	EXHPH5	5	
248	path	592415	4140665	0.000312	3.32	8.06	0	ANNUAL	EXHPH5	5	
249	path	592515	4140665	0.000274	4.93	8.51	0	ANNUAL	EXHPH5	5	
250	Phase4	590515	4140765	0.001337	6.09	6.81	0	ANNUAL	EXHPH5	5	
251	Phase4	590615	4140765	0.001943	7.47	7.47	0	ANNUAL	EXHPH5	5	
252	Phase4	590715	4140765	0.002901	7.57	7.57	0	ANNUAL	EXHPH5	5	
253	Phase3	590815	4140765	0.003921	7.99	8.34	0	ANNUAL	EXHPH5	5	
254	Phase3	590915	4140765	0.004304	9.61	9.61	0	ANNUAL	EXHPH5	5	
255	Phase3	591015	4140765	0.004195	11.11	11.11	0	ANNUAL	EXHPH5	5	
256	Phase2	591115	4140765	0.003709	7.91	7.91	0	ANNUAL	EXHPH5	5	
257	Phase2	591215	4140765	0.003101	6.84	6.84	0	ANNUAL	EXHPH5	5	
258	offsite	592015	4140765	0.000542	1.63	8.34	0	ANNUAL	EXHPH5	5	
259	path	592115	4140765	0.000454	4.58	8.1	0	ANNUAL	EXHPH5	5	
260	path	592215	4140765	0.000385	3.32	8.32	0	ANNUAL	EXHPH5	5	
261	path	592315	4140765	0.00033	6.95	8.2	0	ANNUAL	EXHPH5	5	
262	offsite	590515	4140865	0	3.26	3.26	0	ANNUAL	EXHPH5	5	
263	offsite	590615	4140865	0	3.35	3.35	0	ANNUAL	EXHPH5	5	
264	offsite	590715	4140865	0.011039	3.94	22.32	0	ANNUAL	EXHPH5	5	
265	Phase3	590815	4140865	0.012059	6.96	22.32	0	ANNUAL	EXHPH5	5	
266	Phase3	590915	4140865	0.009662	7.14	7.14	0	ANNUAL	EXHPH5	5	
267	Phase3	591015	4140865	0.007644	8.47	9.2	0	ANNUAL	EXHPH5	5	
268	Phase3	591115	4140865	0.005604	7.45	9.44	0	ANNUAL	EXHPH5	5	
269	offsite	591215	4140865	0.004009	3.69	9.28	0	ANNUAL	EXHPH5	5	
270	Phase7	591315	4140865	0.002943	7.99	9.89	0	ANNUAL	EXHPH5	5	
271	path	591915	4140865	0.000598	6.17	7.98	0	ANNUAL	EXHPH5	5	
272	path	592115	4140865	0.00041	3.1	8.4	0	ANNUAL	EXHPH5	5	
273	offsite	590515	4140965	0	3.15	3.15	0	ANNUAL	EXHPH5	5	
274	offsite	590615	4140965	0	2.82	22.32	0	ANNUAL	EXHPH5	5	
275	Phase5	590715	4140965	0.019383	5.28	24.93	0	ANNUAL	EXHPH5	5	
276	Phase5	590815	4140965	0.03112	14.22	22.32	0	ANNUAL	EXHPH5	5	
277	Phase5	590915	4140965	0.02976	3.66	25.03	0	ANNUAL	EXHPH5	5	
278	Phase3	591015	4140965	0.016964	6.91	20.57	0	ANNUAL	EXHPH5	5	
279	Phase3	591115	4140965	0.007975	7.74	7.74	0	ANNUAL	EXHPH5	5	
280	Phase7	591215	4140965	0.004752	3.8	8.29	0	ANNUAL	EXHPH5	5	
281	Phase7	591315	4140965	0.003092	9.1	9.1	0	ANNUAL	EXHPH5	5	
282	Phase7	591415	4140965	0.002098	9.88	9.88	0	ANNUAL	EXHPH5	5	
283	Phase8	591515	4140965	0.001487	11.54	11.8	0	ANNUAL	EXHPH5	5	
284	Phase8	591615	4140965	0.001095	6.88	13.36	0	ANNUAL	EXHPH5	5	
285	path	591915	4140965	0.000527	3.01	7.86	0	ANNUAL	EXHPH5	5	
286	offsite	592015	4140965	0.000434	3.56	3.56	0	ANNUAL	EXHPH5	5	
287	offsite	590515	4141065	0	2.84	2.84	0	ANNUAL	EXHPH5	5	
288	offsite	590615	4141065	0	3.23	22.82	0	ANNUAL	EXHPH5	5	
289	Phase5	590715	4141065	0.026938	10.68	24.93	0	ANNUAL	EXHPH5	5	
290	Phase5	590815	4141065	0.037136	20.83	20.83	0	ANNUAL	EXHPH5	5	
291	Phase5	590915	4141065	0.039687	17.41	25.03	0	ANNUAL	EXHPH5	5	
292	Phase5	591015	4141065	0.031581	16.46	19.95	0	ANNUAL	EXHPH5	5	
293	offsite	591115	4141065	0.010362	2.87	23.21	0	ANNUAL	EXHPH5	5	
294	Phase7	591215	4141065	0.004832	7.93	7.93	0	ANNUAL	EXHPH5	5	
295	Phase7	591315	4141065	0.002833	11.36	11.36	0	ANNUAL	EXHPH5	5	
296	Phase7	591415	4141065	0.001823	13.73	13.73	0	ANNUAL	EXHPH5	5	
297	Phase8	591515	4141065	0.001261	13.96	13.96	0	ANNUAL	EXHPH5	5	
298	Phase8	591615	4141065	0.000924	12.71	12.71	0	ANNUAL	EXHPH5	5	
299	Phase8	591715	4141065	0.000712	8.85	12.15	0	ANNUAL	EXHPH5	5	
300	path	591815	4141065	0.000563	3.01	7.76	0	ANNUAL	EXHPH5	5	
301	offsite	591915	4141065	0.000457	3.61	7.87	0	ANNUAL	EXHPH5	5	
302	offsite	592015	4141065	0.00038	3.59	3.59	0	ANNUAL	EXHPH5	5	
303	offsite	592115	4141065	0.000322	3.61	3.61	0	ANNUAL	EXHPH5	5	
304	offsite	592215	4141065	0.000278	3.94	3.94	0	ANNUAL	EXHPH5	5	
305	offsite	592315	4141065	0.000242	2.72	2.72	0	ANNUAL	EXHPH5	5	
306	offsite	590515	4141165	0	2.7	2.7	0	ANNUAL	EXHPH5	5	
307	offsite	590615	4141165	0	2.75	24.16	0	ANNUAL	EXHPH5	5	
308	Phase5	590715	4141165	0.028527	16.6	22.82	0	ANNUAL	EXHPH5	5	
309	Phase5	590815	4141165	0.038351	22.41	22.71	0	ANNUAL	EXHPH5	5	
310	Phase5	590915	4141165	0.039898	18.39	18.39	0	ANNUAL	EXHPH5	5	
311	offsite	591015	4141165	0.028404	11.27	23.89	0	ANNUAL	EXHPH5	5	
312	Phase6	591115	4141165	0.00852	6.07	19.25	0	ANNUAL	EXHPH5	5	
313	Phase6	591215	4141165	0.003912	9.88	11.06	0	ANNUAL	EXHPH5	5	
314	Phase7	591315	4141165	0.002227	12.75	12.75	0	ANNUAL	EXHPH5	5	
315	Phase8	591415	4141165	0.001431	14.9	14.9	0	ANNUAL	EXHPH5	5	
316	Phase8	591515	4141165	0.001007	14.62	14.62	0	ANNUAL	EXHPH5	5	
317	Phase8	591615	4141165	0.000762	11.03	11.03	0	ANNUAL	EXHPH5	5	
318	path	591715	4141165	0.0006	3.59	10.93	0	ANNUAL	EXHPH5	5	
319	path	591815	4141165	0.000481	7.42	7.42	0	ANNUAL	EXHPH5	5	
320	offsite	591915	4141165	0.000397	4.1	4.1	0	ANNUAL	EXHPH5	5	
321	offsite	592015	4141165	0.000335	3.19	3.19	0	ANNUAL	EXHPH5	5	
322	offsite	592115	4141165	0.000287	3.59	3.59	0	ANNUAL	EXHPH5	5	
323	offsite	592215	4141165	0.00025	3.22	3.22	0	ANNUAL	EXHPH5	5	
324	offsite	592315	4141165	0.000221	3.8	3.8	0	ANNUAL	EXHPH5	5	
325	offsite	590515	4141265	0	2.25	2.25	0	ANNUAL	EXHPH5	5	
326	offsite	590615	4141265	0	3.09	23.1	0	ANNUAL	EXHPH5	5	
327	offsite	590715	4141265	0.026014	13.36	23.1	0	ANNUAL	EXHPH5	5	
328	offsite	590815	4141265	0.026993	5.95	25.03	0	ANNUAL	EXHPH5	5	
329	offsite	590915	4141265	0.028522	15.4	17.5	0	ANNUAL	EXHPH5	5	
330	offsite	591015	4141265	0.01341	2.13	25.03	0	ANNUAL	EXHPH5	5	
331	Phase6	591115	4141265	0.005037	3.47	21.24	0	ANNUAL	EXHPH5	5	
332	offsite	591215	4141265	0.00265	10.44	15.68	0	ANNUAL	EXHPH5	5	
333	Phase6	591315	4141265	0.001608	13.12	13.12	0	ANNUAL	EXHPH5	5	
334	Phase6	591415	4141265	0.001098	13.64	13.64	0	ANNUAL	EXHPH5	5	
335	Phase8	591515	4141265	0.000812	12.2	12.2	0	ANNUAL	EXHPH5	5	
336	path	591615	4141265	0.000639	4.94	12.73	0	ANNUAL	EXHPH5	5	
337	path	591715	4141265	0.000508	2.72	7.81	0	ANNUAL	EXHPH5	5	
338	offsite	591815	4141265	0.000417	3.57	3.57	0	ANNUAL	EXHPH5	5	
339	offsite	591915	4141265	0.00035	2.95	2.95	0	ANNUAL	EXHPH5	5	
340	offsite	592015	4141265	0.000299	3.6	3.6	0	ANNUAL	EXHPH5	5	
341	offsite	592115	4141265	0.00026	3.45	3.45	0	ANNUAL	EXHPH5	5	
342	offsite	592215	4141265	0.000229	3.63	3.63	0	ANNUAL	EXHPH5	5	
343	offsite	592315	4141265	0.000204	3.44	3.44	0	ANNUAL	EXHPH5	5	
344	offsite	592415	4141265	0.000184	2.71	2.71	0	ANNUAL	EXHPH5	5	
345	offsite	590515	4141365	0	1.72	1.72	0	ANNUAL	EXHPH5	5	
346	offsite	590615	4141365	0	2.52	2.52	0	ANNUAL	EXHPH5	5	
347	offsite	590715	4141365	0	2.48	23.1	0	ANNUAL	EXHPH5	5	
348	offsite	590815	4141365	0	2.01	23.27	0	ANNUAL	EXHPH5	5	
349	offsite	590915	4141365	0	2.15	21.94	0	ANNUAL	EXHPH5	5	
350	Phase6	591015	4141365	0.0051	7.27	21.94	0	ANNUAL	EXHPH5	5	
351	Phase6	591115	4141365	0.002511	18.02	21.12	0	ANNUAL	EXHPH5	5	
352	Phase6	591215	4141365	0.001648	16.43	16.43	0	ANNUAL	EXHPH5	5	
353	Phase6	591315	4141365	0.001145	15.84	15.84	0	ANNUAL	EXHPH5	5	
354	Phase6	591415	4141365	0.000859	13.12	14.84	0	ANNUAL	EXHPH5	5	
355	Phase6	591515	4141365	0.000681	2.61	14.87	0	ANNUAL	EXHPH5	5	
356	path	591615	4141365	0.00054	2.71	2.71	0	ANNUAL	EXHPH5	5	
357	offsite	591715	4141365	0.000441	3.07	6.75	0	ANNUAL	EXHPH5	5	
358	offsite	591815	4141365	0.000369	3.97	3.97	0	ANNUAL	EXHPH5	5	
359	offsite	591915	4141365	0.000315	3.93	3.93	0	ANNUAL	EXHPH5	5	
360	offsite	592015	4141365	0.000272	3.18	3.18	0	ANNUAL	EXHPH5	5	

Phase 6

PHASE:	6	6	6	6	6	6	6	6	6	6
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
241	Phase2	591215	4140665	0.000897	7.74	7.74	0	ANNUAL	EXHPH6	5
242	offsite	591315	4140665	0.000994	5.84	7.22	0	ANNUAL	EXHPH6	5
243	offsite	591915	4140665	0.001251	2.89	2.89	0	ANNUAL	EXHPH6	5
244	offsite	592015	4140665	0.001194	0.58	0.58	0	ANNUAL	EXHPH6	5
245	offsite	592115	4140665	0.001118	0.84	0.84	0	ANNUAL	EXHPH6	5
246	offsite	592215	4140665	0.001032	2.07	8.29	0	ANNUAL	EXHPH6	5
247	path	592315	4140665	0.000945	7.57	8.32	0	ANNUAL	EXHPH6	5
248	path	592415	4140665	0.000853	3.32	8.06	0	ANNUAL	EXHPH6	5
249	path	592515	4140665	0.000769	4.93	8.51	0	ANNUAL	EXHPH6	5
250	Phase4	590515	4140765	0.000494	6.09	6.81	0	ANNUAL	EXHPH6	5
251	Phase4	590615	4140765	0.000557	7.47	7.47	0	ANNUAL	EXHPH6	5
252	Phase4	590715	4140765	0.000639	7.57	7.57	0	ANNUAL	EXHPH6	5
253	Phase3	590815	4140765	0.000732	7.99	8.34	0	ANNUAL	EXHPH6	5
254	Phase3	590915	4140765	0.000827	9.61	9.61	0	ANNUAL	EXHPH6	5
255	Phase3	591015	4140765	0.000929	11.11	11.11	0	ANNUAL	EXHPH6	5
256	Phase2	591115	4140765	0.001086	7.91	7.91	0	ANNUAL	EXHPH6	5
257	Phase2	591215	4140765	0.001234	6.84	6.84	0	ANNUAL	EXHPH6	5
258	offsite	592015	4140765	0.001408	1.63	8.34	0	ANNUAL	EXHPH6	5
259	path	592115	4140765	0.001275	4.58	8.1	0	ANNUAL	EXHPH6	5
260	path	592215	4140765	0.001139	3.32	8.32	0	ANNUAL	EXHPH6	5
261	path	592315	4140765	0.001014	6.95	8.2	0	ANNUAL	EXHPH6	5
262	offsite	590515	4140865	0	3.26	3.26	0	ANNUAL	EXHPH6	5
263	offsite	590615	4140865	0	3.35	3.35	0	ANNUAL	EXHPH6	5
264	offsite	590715	4140865	0.000785	3.94	22.32	0	ANNUAL	EXHPH6	5
265	Phase3	590815	4140865	0.000919	6.96	22.32	0	ANNUAL	EXHPH6	5
266	Phase3	590915	4140865	0.001099	7.14	7.14	0	ANNUAL	EXHPH6	5
267	Phase3	591015	4140865	0.001298	8.47	9.2	0	ANNUAL	EXHPH6	5
268	Phase3	591115	4140865	0.001556	7.45	9.44	0	ANNUAL	EXHPH6	5
269	offsite	591215	4140865	0.001853	3.69	9.28	0	ANNUAL	EXHPH6	5
270	Phase7	591315	4140865	0.002092	7.99	9.89	0	ANNUAL	EXHPH6	5
271	path	591915	4140865	0.00184	6.17	7.98	0	ANNUAL	EXHPH6	5
272	path	592115	4140865	0.001405	3.1	8.4	0	ANNUAL	EXHPH6	5
273	offsite	590515	4140965	0	3.15	3.15	0	ANNUAL	EXHPH6	5
274	offsite	590615	4140965	0	2.82	22.32	0	ANNUAL	EXHPH6	5
275	Phase5	590715	4140965	0.000945	5.28	24.93	0	ANNUAL	EXHPH6	5
276	Phase5	590815	4140965	0.001053	14.22	22.32	0	ANNUAL	EXHPH6	5
277	Phase5	590915	4140965	0.001509	3.66	25.03	0	ANNUAL	EXHPH6	5
278	Phase3	591015	4140965	0.00193	6.91	20.57	0	ANNUAL	EXHPH6	5
279	Phase3	591115	4140965	0.002501	7.74	7.74	0	ANNUAL	EXHPH6	5
280	Phase7	591215	4140965	0.003162	3.8	8.29	0	ANNUAL	EXHPH6	5
281	Phase7	591315	4140965	0.003544	9.1	9.1	0	ANNUAL	EXHPH6	5
282	Phase7	591415	4140965	0.00365	9.88	9.88	0	ANNUAL	EXHPH6	5
283	Phase8	591515	4140965	0.003544	11.54	11.8	0	ANNUAL	EXHPH6	5
284	Phase8	591615	4140965	0.003263	6.88	13.36	0	ANNUAL	EXHPH6	5
285	path	591915	4140965	0.002123	3.01	7.86	0	ANNUAL	EXHPH6	5
286	offsite	592015	4140965	0.001781	3.56	3.56	0	ANNUAL	EXHPH6	5
287	offsite	590515	4141065	0	2.84	2.84	0	ANNUAL	EXHPH6	5
288	offsite	590615	4141065	0	3.23	22.82	0	ANNUAL	EXHPH6	5
289	Phase5	590715	4141065	0.001089	10.68	24.93	0	ANNUAL	EXHPH6	5
290	Phase5	590815	4141065	0.001149	20.83	20.83	0	ANNUAL	EXHPH6	5
291	Phase5	590915	4141065	0.00173	17.41	25.03	0	ANNUAL	EXHPH6	5
292	Phase5	591015	4141065	0.002565	16.46	19.95	0	ANNUAL	EXHPH6	5
293	offsite	591115	4141065	0.005384	2.87	23.21	0	ANNUAL	EXHPH6	5
294	Phase7	591215	4141065	0.006967	7.93	7.93	0	ANNUAL	EXHPH6	5
295	Phase7	591315	4141065	0.006975	11.36	11.36	0	ANNUAL	EXHPH6	5
296	Phase7	591415	4141065	0.006304	13.73	13.73	0	ANNUAL	EXHPH6	5
297	Phase8	591515	4141065	0.005409	13.96	13.96	0	ANNUAL	EXHPH6	5
298	Phase8	591615	4141065	0.004528	12.71	12.71	0	ANNUAL	EXHPH6	5
299	Phase8	591715	4141065	0.003691	8.85	12.15	0	ANNUAL	EXHPH6	5
300	path	591815	4141065	0.002928	3.01	7.76	0	ANNUAL	EXHPH6	5
301	offsite	591915	4141065	0.002331	3.61	7.87	0	ANNUAL	EXHPH6	5
302	offsite	592015	4141065	0.001861	3.59	3.59	0	ANNUAL	EXHPH6	5
303	offsite	592115	4141065	0.0015	3.61	3.61	0	ANNUAL	EXHPH6	5
304	offsite	592215	4141065	0.001222	3.94	3.94	0	ANNUAL	EXHPH6	5
305	offsite	592315	4141065	0.001005	2.72	2.72	0	ANNUAL	EXHPH6	5
306	offsite	590515	4141165	0	2.7	2.7	0	ANNUAL	EXHPH6	5
307	offsite	590615	4141165	0	2.75	24.16	0	ANNUAL	EXHPH6	5
308	Phase5	590715	4141165	0.001232	16.6	22.82	0	ANNUAL	EXHPH6	5
309	Phase5	590815	4141165	0.001476	22.41	22.71	0	ANNUAL	EXHPH6	5
310	Phase5	590915	4141165	0.0025	18.39	18.39	0	ANNUAL	EXHPH6	5
311	offsite	591015	4141165	0.005246	11.27	23.89	0	ANNUAL	EXHPH6	5
312	Phase6	591115	4141165	0.020107	6.07	19.25	0	ANNUAL	EXHPH6	5
313	Phase6	591215	4141165	0.026194	9.88	11.06	0	ANNUAL	EXHPH6	5
314	Phase7	591315	4141165	0.018881	12.75	12.75	0	ANNUAL	EXHPH6	5
315	Phase8	591415	4141165	0.011849	14.9	14.9	0	ANNUAL	EXHPH6	5
316	Phase8	591515	4141165	0.008486	14.62	14.62	0	ANNUAL	EXHPH6	5
317	Phase8	591615	4141165	0.006135	11.03	11.03	0	ANNUAL	EXHPH6	5
318	path	591715	4141165	0.004368	3.59	10.93	0	ANNUAL	EXHPH6	5
319	path	591815	4141165	0.003221	7.42	7.42	0	ANNUAL	EXHPH6	5
320	offsite	591915	4141165	0.002388	4.1	4.1	0	ANNUAL	EXHPH6	5
321	offsite	592015	4141165	0.001826	3.19	3.19	0	ANNUAL	EXHPH6	5
322	offsite	592115	4141165	0.001431	3.59	3.59	0	ANNUAL	EXHPH6	5
323	offsite	592215	4141165	0.001143	3.22	3.22	0	ANNUAL	EXHPH6	5
324	offsite	592315	4141165	0.000931	3.8	3.8	0	ANNUAL	EXHPH6	5
325	offsite	590515	4141265	0	2.25	2.25	0	ANNUAL	EXHPH6	5
326	offsite	590615	4141265	0	3.09	23.1	0	ANNUAL	EXHPH6	5
327	offsite	590715	4141265	0.001582	13.36	23.1	0	ANNUAL	EXHPH6	5
328	offsite	590815	4141265	0.002587	5.95	25.03	0	ANNUAL	EXHPH6	5
329	offsite	590915	4141265	0.0041	15.4	17.5	0	ANNUAL	EXHPH6	5
330	offsite	591015	4141265	0.011491	2.13	25.03	0	ANNUAL	EXHPH6	5
331	Phase6	591115	4141265	0.029992	3.47	21.24	0	ANNUAL	EXHPH6	5
332	offsite	591215	4141265	0.035701	10.44	15.68	0	ANNUAL	EXHPH6	5
333	Phase6	591315	4141265	0.035334	13.12	13.12	0	ANNUAL	EXHPH6	5
334	Phase6	591415	4141265	0.03053	13.64	13.64	0	ANNUAL	EXHPH6	5
335	Phase8	591515	4141265	0.019689	12.2	12.2	0	ANNUAL	EXHPH6	5
336	path	591615	4141265	0.007795	4.94	12.73	0	ANNUAL	EXHPH6	5
337	path	591715	4141265	0.004661	2.72	7.81	0	ANNUAL	EXHPH6	5
338	offsite	591815	4141265	0.003149	3.57	3.57	0	ANNUAL	EXHPH6	5
339	offsite	591915	4141265	0.00225	2.95	2.95	0	ANNUAL	EXHPH6	5
340	offsite	592015	4141265	0.001682	3.6	3.6	0	ANNUAL	EXHPH6	5
341	offsite	592115	4141265	0.001297	3.45	3.45	0	ANNUAL	EXHPH6	5
342	offsite	592215	4141265	0.001028	3.63	3.63	0	ANNUAL	EXHPH6	5
343	offsite	592315	4141265	0.000834	3.44	3.44	0	ANNUAL	EXHPH6	5
344	offsite	592415	4141265	0.00069	2.71	2.71	0	ANNUAL	EXHPH6	5
345	offsite	590515	4141365	0	1.72	1.72	0	ANNUAL	EXHPH6	5
346	offsite	590615	4141365	0	2.52	2.52	0	ANNUAL	EXHPH6	5
347	offsite	590715	4141365	0	2.48	23.1	0	ANNUAL	EXHPH6	5
348	offsite	590815	4141365	0	2.01	23.27	0	ANNUAL	EXHPH6	5
349	offsite	590915	4141365	0	2.15	21.94	0	ANNUAL	EXHPH6	5
350	Phase6	591015	4141365	0.022973	7.27	21.94	0	ANNUAL	EXHPH6	5
351	Phase6	591115	4141365	0.034678	18.02	21.12	0	ANNUAL	EXHPH6	5
352	Phase6	591215	4141365	0.037814	16.43	16.43	0	ANNUAL	EXHPH6	5
353	Phase6	591315	4141365	0.037908	15.84	15.84	0	ANNUAL	EXHPH6	5
354	Phase6	591415	4141365	0.035459	13.12	14.84	0	ANNUAL	EXHPH6	5
355	Phase6	591515	4141365	0.022423	2.61	14.87	0	ANNUAL	EXHPH6	5
356	path	591615	4141365	0.007689	2.71	2.71	0	ANNUAL	EXHPH6	5
357	offsite	591715	4141365	0.004285	3.07	6.75	0	ANNUAL	EXHPH6	5
358	offsite	591815	4141365	0.002806	3.97	3.97	0	ANNUAL	EXHPH6	5
359	offsite	591915	4141365	0.001979	3.93	3.93	0	ANNUAL	EXHPH6	5
360	offsite	592015	4141365	0.001467	3.18	3.18	0	ANNUAL	EXHPH6	5

Phase 7

PHASE:	7	7	7	7	7	7	7	7	7	7
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	Source Gr	Num Years
241	Phase2	591215	4140665	0.002269	7.74	7.74	0	ANNUAL	EXHPH7	5
242	offsite	591315	4140665	0.003077	5.84	7.22	0	ANNUAL	EXHPH7	5
243	offsite	591915	4140665	0.00179	2.89	2.89	0	ANNUAL	EXHPH7	5
244	offsite	592015	4140665	0.001395	0.58	0.58	0	ANNUAL	EXHPH7	5
245	offsite	592115	4140665	0.001095	0.84	0.84	0	ANNUAL	EXHPH7	5
246	offsite	592215	4140665	0.000869	2.07	8.29	0	ANNUAL	EXHPH7	5
247	path	592315	4140665	0.000699	7.57	8.32	0	ANNUAL	EXHPH7	5
248	path	592415	4140665	0.000569	3.32	8.06	0	ANNUAL	EXHPH7	5
249	path	592515	4140665	0.000471	4.93	8.51	0	ANNUAL	EXHPH7	5
250	Phase4	590515	4140765	0.000384	6.09	6.81	0	ANNUAL	EXHPH7	5
251	Phase4	590615	4140765	0.000474	7.47	7.47	0	ANNUAL	EXHPH7	5
252	Phase4	590715	4140765	0.000605	7.57	7.57	0	ANNUAL	EXHPH7	5
253	Phase3	590815	4140765	0.000803	7.99	8.34	0	ANNUAL	EXHPH7	5
254	Phase3	590915	4140765	0.001106	9.61	9.61	0	ANNUAL	EXHPH7	5
255	Phase3	591015	4140765	0.001592	11.11	11.11	0	ANNUAL	EXHPH7	5
256	Phase2	591115	4140765	0.002648	7.91	7.91	0	ANNUAL	EXHPH7	5
257	Phase2	591215	4140765	0.004721	6.84	6.84	0	ANNUAL	EXHPH7	5
258	offsite	592015	4140765	0.001368	1.63	8.34	0	ANNUAL	EXHPH7	5
259	path	592115	4140765	0.001035	4.58	8.1	0	ANNUAL	EXHPH7	5
260	path	592215	4140765	0.000801	3.32	8.32	0	ANNUAL	EXHPH7	5
261	path	592315	4140765	0.000634	6.95	8.2	0	ANNUAL	EXHPH7	5
262	offsite	590515	4140865	0	3.26	3.26	0	ANNUAL	EXHPH7	5
263	offsite	590615	4140865	0	3.35	3.35	0	ANNUAL	EXHPH7	5
264	offsite	590715	4140865	0.00069	3.94	22.32	0	ANNUAL	EXHPH7	5
265	Phase3	590815	4140865	0.000953	6.96	22.32	0	ANNUAL	EXHPH7	5
266	Phase3	590915	4140865	0.001417	7.14	7.14	0	ANNUAL	EXHPH7	5
267	Phase3	591015	4140865	0.002322	8.47	9.2	0	ANNUAL	EXHPH7	5
268	Phase3	591115	4140865	0.004526	7.45	9.44	0	ANNUAL	EXHPH7	5
269	offsite	591215	4140865	0.012155	3.69	9.28	0	ANNUAL	EXHPH7	5
270	Phase7	591315	4140865	0.035638	7.99	9.89	0	ANNUAL	EXHPH7	5
271	path	591915	4140865	0.001726	6.17	7.98	0	ANNUAL	EXHPH7	5
272	path	592115	4140865	0.000912	3.1	8.4	0	ANNUAL	EXHPH7	5
273	offsite	590515	4140965	0	3.15	3.15	0	ANNUAL	EXHPH7	5
274	offsite	590615	4140965	0	2.82	22.32	0	ANNUAL	EXHPH7	5
275	Phase5	590715	4140965	0.000774	5.28	24.93	0	ANNUAL	EXHPH7	5
276	Phase5	590815	4140965	0.00106	14.22	22.32	0	ANNUAL	EXHPH7	5
277	Phase5	590915	4140965	0.001723	3.66	25.03	0	ANNUAL	EXHPH7	5
278	Phase3	591015	4140965	0.003135	6.91	20.57	0	ANNUAL	EXHPH7	5
279	Phase3	591115	4140965	0.007524	7.74	7.74	0	ANNUAL	EXHPH7	5
280	Phase7	591215	4140965	0.029415	3.8	8.29	0	ANNUAL	EXHPH7	5
281	Phase7	591315	4140965	0.051125	9.1	9.1	0	ANNUAL	EXHPH7	5
282	Phase7	591415	4140965	0.048458	9.88	9.88	0	ANNUAL	EXHPH7	5
283	Phase8	591515	4140965	0.022134	11.54	11.8	0	ANNUAL	EXHPH7	5
284	Phase8	591615	4140965	0.006875	6.88	13.36	0	ANNUAL	EXHPH7	5
285	path	591915	4140965	0.001443	3.01	7.86	0	ANNUAL	EXHPH7	5
286	offsite	592015	4140965	0.001025	3.56	3.56	0	ANNUAL	EXHPH7	5
287	offsite	590515	4141065	0	2.84	2.84	0	ANNUAL	EXHPH7	5
288	offsite	590615	4141065	0	3.23	22.82	0	ANNUAL	EXHPH7	5
289	Phase5	590715	4141065	0.000844	10.68	24.93	0	ANNUAL	EXHPH7	5
290	Phase5	590815	4141065	0.001228	20.83	20.83	0	ANNUAL	EXHPH7	5
291	Phase5	590915	4141065	0.001974	17.41	25.03	0	ANNUAL	EXHPH7	5
292	Phase5	591015	4141065	0.003641	16.46	19.95	0	ANNUAL	EXHPH7	5
293	offsite	591115	4141065	0.010911	2.87	23.21	0	ANNUAL	EXHPH7	5
294	Phase7	591215	4141065	0.040996	7.93	7.93	0	ANNUAL	EXHPH7	5
295	Phase7	591315	4141065	0.050168	11.36	11.36	0	ANNUAL	EXHPH7	5
296	Phase7	591415	4141065	0.034724	13.73	13.73	0	ANNUAL	EXHPH7	5
297	Phase8	591515	4141065	0.011054	13.96	13.96	0	ANNUAL	EXHPH7	5
298	Phase8	591615	4141065	0.004745	12.71	12.71	0	ANNUAL	EXHPH7	5
299	Phase8	591715	4141065	0.002665	8.85	12.15	0	ANNUAL	EXHPH7	5
300	path	591815	4141065	0.001663	3.01	7.76	0	ANNUAL	EXHPH7	5
301	offsite	591915	4141065	0.001137	3.61	7.87	0	ANNUAL	EXHPH7	5
302	offsite	592015	4141065	0.000827	3.59	3.59	0	ANNUAL	EXHPH7	5
303	offsite	592115	4141065	0.000631	3.61	3.61	0	ANNUAL	EXHPH7	5
304	offsite	592215	4141065	0.000499	3.94	3.94	0	ANNUAL	EXHPH7	5
305	offsite	592315	4141065	0.000406	2.72	2.72	0	ANNUAL	EXHPH7	5
306	offsite	590515	4141165	0	2.7	2.7	0	ANNUAL	EXHPH7	5
307	offsite	590615	4141165	0	2.75	24.16	0	ANNUAL	EXHPH7	5
308	Phase5	590715	4141165	0.000981	16.6	22.82	0	ANNUAL	EXHPH7	5
309	Phase5	590815	4141165	0.00146	22.41	22.71	0	ANNUAL	EXHPH7	5
310	Phase5	590915	4141165	0.002246	18.39	18.39	0	ANNUAL	EXHPH7	5
311	offsite	591015	4141165	0.00333	11.27	23.89	0	ANNUAL	EXHPH7	5
312	Phase6	591115	4141165	0.007092	6.07	19.25	0	ANNUAL	EXHPH7	5
313	Phase6	591215	4141165	0.019443	9.88	11.06	0	ANNUAL	EXHPH7	5
314	Phase7	591315	4141165	0.029866	12.75	12.75	0	ANNUAL	EXHPH7	5
315	Phase8	591415	4141165	0.014773	14.9	14.9	0	ANNUAL	EXHPH7	5
316	Phase8	591515	4141165	0.005438	14.62	14.62	0	ANNUAL	EXHPH7	5
317	Phase8	591615	4141165	0.003047	11.03	11.03	0	ANNUAL	EXHPH7	5
318	path	591715	4141165	0.001865	3.59	10.93	0	ANNUAL	EXHPH7	5
319	path	591815	4141165	0.001247	7.42	7.42	0	ANNUAL	EXHPH7	5
320	offsite	591915	4141165	0.000893	4.1	4.1	0	ANNUAL	EXHPH7	5
321	offsite	592015	4141165	0.000673	3.19	3.19	0	ANNUAL	EXHPH7	5
322	offsite	592115	4141165	0.000528	3.59	3.59	0	ANNUAL	EXHPH7	5
323	offsite	592215	4141165	0.000428	3.22	3.22	0	ANNUAL	EXHPH7	5
324	offsite	592315	4141165	0.000355	3.8	3.8	0	ANNUAL	EXHPH7	5
325	offsite	590515	4141265	0	2.25	2.25	0	ANNUAL	EXHPH7	5
326	offsite	590615	4141265	0	3.09	23.1	0	ANNUAL	EXHPH7	5
327	offsite	590715	4141265	0.000924	13.36	23.1	0	ANNUAL	EXHPH7	5
328	offsite	590815	4141265	0.001184	5.95	25.03	0	ANNUAL	EXHPH7	5
329	offsite	590915	4141265	0.001928	15.4	17.5	0	ANNUAL	EXHPH7	5
330	offsite	591015	4141265	0.002462	2.13	25.03	0	ANNUAL	EXHPH7	5
331	Phase6	591115	4141265	0.003746	3.47	21.24	0	ANNUAL	EXHPH7	5
332	offsite	591215	4141265	0.005385	10.44	15.68	0	ANNUAL	EXHPH7	5
333	Phase6	591315	4141265	0.006238	13.12	13.12	0	ANNUAL	EXHPH7	5
334	Phase6	591415	4141265	0.004682	13.64	13.64	0	ANNUAL	EXHPH7	5
335	Phase8	591515	4141265	0.002959	12.2	12.2	0	ANNUAL	EXHPH7	5
336	path	591615	4141265	0.00195	4.94	12.73	0	ANNUAL	EXHPH7	5
337	path	591715	4141265	0.001327	2.72	7.81	0	ANNUAL	EXHPH7	5
338	offsite	591815	4141265	0.000956	3.57	3.57	0	ANNUAL	EXHPH7	5
339	offsite	591915	4141265	0.00072	2.95	2.95	0	ANNUAL	EXHPH7	5
340	offsite	592015	4141265	0.000564	3.6	3.6	0	ANNUAL	EXHPH7	5
341	offsite	592115	4141265	0.000455	3.45	3.45	0	ANNUAL	EXHPH7	5
342	offsite	592215	4141265	0.000376	3.63	3.63	0	ANNUAL	EXHPH7	5
343	offsite	592315	4141265	0.000317	3.44	3.44	0	ANNUAL	EXHPH7	5
344	offsite	592415	4141265	0.000273	2.71	2.71	0	ANNUAL	EXHPH7	5
345	offsite	590515	4141365	0	1.72	1.72	0	ANNUAL	EXHPH7	5
346	offsite	590615	4141365	0	2.52	2.52	0	ANNUAL	EXHPH7	5
347	offsite	590715	4141365	0	2.48	23.1	0	ANNUAL	EXHPH7	5
348	offsite	590815	4141365	0	2.01	23.27	0	ANNUAL	EXHPH7	5
349	offsite	590915	4141365	0	2.15	21.94	0	ANNUAL	EXHPH7	5
350	Phase6	591015	4141365	0.001752	7.27	21.94	0	ANNUAL	EXHPH7	5
351	Phase6	591115	4141365	0.002494	18.02	21.12	0	ANNUAL	EXHPH7	5
352	Phase6	591215	4141365	0.002553	16.43	16.43	0	ANNUAL	EXHPH7	5
353	Phase6	591315	4141365	0.002472	15.84	15.84	0	ANNUAL	EXHPH7	5
354	Phase6	591415	4141365	0.002226	13.12	14.84	0	ANNUAL	EXHPH7	5
355	Phase6	591515	4141365	0.001771	2.61	14.87	0	ANNUAL	EXHPH7	5
356	path	591615	4141365	0.001317	2.71	2.71	0	ANNUAL	EXHPH7	5
357	offsite	591715	4141365	0.000987	3.07	6.75	0	ANNUAL	EXHPH7	5
358	offsite	591815	4141365	0.000758	3.97	3.97	0	ANNUAL	EXHPH7	5
359	offsite	591915	4141365	0.000597	3.93	3.93	0	ANNUAL	EXHPH7	5
360	offsite	592015	4141365	0.000483	3.18	3.18	0	ANNUAL	EXHPH7	5

Phase 8

PHASE:	8	8	8	8	8	8	8	8	8	
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (z	Averagin P	EXHPH8	Num Years
241	Phase2	591215	4140665	0.000567	7.74	7.74	0	ANNUAL	EXHPH8	5
242	offsite	591315	4140665	0.00071	5.84	7.22	0	ANNUAL	EXHPH8	5
243	offsite	591915	4140665	0.001483	2.89	2.89	0	ANNUAL	EXHPH8	5
244	offsite	592015	4140665	0.001335	0.58	0.58	0	ANNUAL	EXHPH8	5
245	offsite	592115	4140665	0.001149	0.84	0.84	0	ANNUAL	EXHPH8	5
246	offsite	592215	4140665	0.000962	2.07	8.29	0	ANNUAL	EXHPH8	5
247	path	592315	4140665	0.000796	7.57	8.32	0	ANNUAL	EXHPH8	5
248	path	592415	4140665	0.000653	3.32	8.06	0	ANNUAL	EXHPH8	5
249	path	592515	4140665	0.000538	4.93	8.51	0	ANNUAL	EXHPH8	5
250	Phase4	590515	4140765	0.00017	6.09	6.81	0	ANNUAL	EXHPH8	5
251	Phase4	590615	4140765	0.000197	7.47	7.47	0	ANNUAL	EXHPH8	5
252	Phase4	590715	4140765	0.000233	7.57	7.57	0	ANNUAL	EXHPH8	5
253	Phase3	590815	4140765	0.000281	7.99	8.34	0	ANNUAL	EXHPH8	5
254	Phase3	590915	4140765	0.000345	9.61	9.61	0	ANNUAL	EXHPH8	5
255	Phase3	591015	4140765	0.000434	11.11	11.11	0	ANNUAL	EXHPH8	5
256	Phase2	591115	4140765	0.000568	7.91	7.91	0	ANNUAL	EXHPH8	5
257	Phase2	591215	4140765	0.000759	6.84	6.84	0	ANNUAL	EXHPH8	5
258	offsite	592015	4140765	0.001708	1.63	8.34	0	ANNUAL	EXHPH8	5
259	path	592115	4140765	0.001342	4.58	8.1	0	ANNUAL	EXHPH8	5
260	path	592215	4140765	0.001045	3.32	8.32	0	ANNUAL	EXHPH8	5
261	path	592315	4140765	0.000819	6.95	8.2	0	ANNUAL	EXHPH8	5
262	offsite	590515	4140865	0	3.26	3.26	0	ANNUAL	EXHPH8	5
263	offsite	590615	4140865	0	3.35	3.35	0	ANNUAL	EXHPH8	5
264	offsite	590715	4140865	0.000254	3.94	22.32	0	ANNUAL	EXHPH8	5
265	Phase3	590815	4140865	0.000312	6.96	22.32	0	ANNUAL	EXHPH8	5
266	Phase3	590915	4140865	0.000395	7.14	7.14	0	ANNUAL	EXHPH8	5
267	Phase3	591015	4140865	0.000519	8.47	9.2	0	ANNUAL	EXHPH8	5
268	Phase3	591115	4140865	0.000713	7.45	9.44	0	ANNUAL	EXHPH8	5
269	offsite	591215	4140865	0.001034	3.69	9.28	0	ANNUAL	EXHPH8	5
270	Phase7	591315	4140865	0.001613	7.99	9.89	0	ANNUAL	EXHPH8	5
271	path	591915	4140865	0.002843	6.17	7.98	0	ANNUAL	EXHPH8	5
272	path	592115	4140865	0.001422	3.1	8.4	0	ANNUAL	EXHPH8	5
273	offsite	590515	4140965	0	3.15	3.15	0	ANNUAL	EXHPH8	5
274	offsite	590615	4140965	0	2.82	22.32	0	ANNUAL	EXHPH8	5
275	Phase5	590715	4140965	0.000276	5.28	24.93	0	ANNUAL	EXHPH8	5
276	Phase5	590815	4140965	0.000341	14.22	22.32	0	ANNUAL	EXHPH8	5
277	Phase5	590915	4140965	0.000447	3.66	25.03	0	ANNUAL	EXHPH8	5
278	Phase3	591015	4140965	0.00061	6.91	20.57	0	ANNUAL	EXHPH8	5
279	Phase3	591115	4140965	0.000888	7.74	7.74	0	ANNUAL	EXHPH8	5
280	Phase7	591215	4140965	0.001415	3.8	8.29	0	ANNUAL	EXHPH8	5
281	Phase7	591315	4140965	0.00261	9.1	9.1	0	ANNUAL	EXHPH8	5
282	Phase7	591415	4140965	0.006169	9.88	9.88	0	ANNUAL	EXHPH8	5
283	Phase8	591515	4140965	0.020535	11.54	11.8	0	ANNUAL	EXHPH8	5
284	Phase8	591615	4140965	0.023433	6.88	13.36	0	ANNUAL	EXHPH8	5
285	path	591915	4140965	0.003262	3.01	7.86	0	ANNUAL	EXHPH8	5
286	offsite	592015	4140965	0.002017	3.56	3.56	0	ANNUAL	EXHPH8	5
287	offsite	590515	4141065	0	2.84	2.84	0	ANNUAL	EXHPH8	5
288	offsite	590615	4141065	0	3.23	22.82	0	ANNUAL	EXHPH8	5
289	Phase5	590715	4141065	0.000299	10.68	24.93	0	ANNUAL	EXHPH8	5
290	Phase5	590815	4141065	0.000357	20.83	20.83	0	ANNUAL	EXHPH8	5
291	Phase5	590915	4141065	0.000486	17.41	25.03	0	ANNUAL	EXHPH8	5
292	Phase5	591015	4141065	0.000683	16.46	19.95	0	ANNUAL	EXHPH8	5
293	offsite	591115	4141065	0.001065	2.87	23.21	0	ANNUAL	EXHPH8	5
294	Phase7	591215	4141065	0.001872	7.93	7.93	0	ANNUAL	EXHPH8	5
295	Phase7	591315	4141065	0.004189	11.36	11.36	0	ANNUAL	EXHPH8	5
296	Phase7	591415	4141065	0.01627	13.73	13.73	0	ANNUAL	EXHPH8	5
297	Phase8	591515	4141065	0.03572	13.96	13.96	0	ANNUAL	EXHPH8	5
298	Phase8	591615	4141065	0.03696	12.71	12.71	0	ANNUAL	EXHPH8	5
299	Phase8	591715	4141065	0.024472	8.85	12.15	0	ANNUAL	EXHPH8	5
300	path	591815	4141065	0.006487	3.01	7.76	0	ANNUAL	EXHPH8	5
301	offsite	591915	4141065	0.002975	3.61	7.87	0	ANNUAL	EXHPH8	5
302	offsite	592015	4141065	0.001726	3.59	3.59	0	ANNUAL	EXHPH8	5
303	offsite	592115	4141065	0.001119	3.61	3.61	0	ANNUAL	EXHPH8	5
304	offsite	592215	4141065	0.000781	3.94	3.94	0	ANNUAL	EXHPH8	5
305	offsite	592315	4141065	0.000574	2.72	2.72	0	ANNUAL	EXHPH8	5
306	offsite	590515	4141165	0	2.7	2.7	0	ANNUAL	EXHPH8	5
307	offsite	590615	4141165	0	2.75	24.16	0	ANNUAL	EXHPH8	5
308	Phase5	590715	4141165	0.000321	16.6	22.82	0	ANNUAL	EXHPH8	5
309	Phase5	590815	4141165	0.000416	22.41	22.71	0	ANNUAL	EXHPH8	5
310	Phase5	590915	4141165	0.00055	18.39	18.39	0	ANNUAL	EXHPH8	5
311	offsite	591015	4141165	0.000776	11.27	23.89	0	ANNUAL	EXHPH8	5
312	Phase6	591115	4141165	0.001199	6.07	19.25	0	ANNUAL	EXHPH8	5
313	Phase6	591215	4141165	0.002181	9.88	11.06	0	ANNUAL	EXHPH8	5
314	Phase7	591315	4141165	0.005953	12.75	12.75	0	ANNUAL	EXHPH8	5
315	Phase8	591415	4141165	0.027954	14.9	14.9	0	ANNUAL	EXHPH8	5
316	Phase8	591515	4141165	0.036332	14.62	14.62	0	ANNUAL	EXHPH8	5
317	Phase8	591615	4141165	0.032402	11.03	11.03	0	ANNUAL	EXHPH8	5
318	path	591715	4141165	0.011054	3.59	10.93	0	ANNUAL	EXHPH8	5
319	path	591815	4141165	0.004252	7.42	7.42	0	ANNUAL	EXHPH8	5
320	offsite	591915	4141165	0.002169	4.1	4.1	0	ANNUAL	EXHPH8	5
321	offsite	592015	4141165	0.001305	3.19	3.19	0	ANNUAL	EXHPH8	5
322	offsite	592115	4141165	0.000872	3.59	3.59	0	ANNUAL	EXHPH8	5
323	offsite	592215	4141165	0.000624	3.22	3.22	0	ANNUAL	EXHPH8	5
324	offsite	592315	4141165	0.000471	3.8	3.8	0	ANNUAL	EXHPH8	5
325	offsite	590515	4141265	0	2.25	2.25	0	ANNUAL	EXHPH8	5
326	offsite	590615	4141265	0	3.09	23.1	0	ANNUAL	EXHPH8	5
327	offsite	590715	4141265	0.000341	13.36	23.1	0	ANNUAL	EXHPH8	5
328	offsite	590815	4141265	0.000432	5.95	25.03	0	ANNUAL	EXHPH8	5
329	offsite	590915	4141265	0.000583	15.4	17.5	0	ANNUAL	EXHPH8	5
330	offsite	591015	4141265	0.000798	2.13	25.03	0	ANNUAL	EXHPH8	5
331	Phase6	591115	4141265	0.001201	3.47	21.24	0	ANNUAL	EXHPH8	5
332	offsite	591215	4141265	0.002033	10.44	15.68	0	ANNUAL	EXHPH8	5
333	Phase6	591315	4141265	0.004227	13.12	13.12	0	ANNUAL	EXHPH8	5
334	Phase6	591415	4141265	0.011075	13.64	13.64	0	ANNUAL	EXHPH8	5
335	Phase8	591515	4141265	0.023752	12.2	12.2	0	ANNUAL	EXHPH8	5
336	path	591615	4141265	0.013249	4.94	12.73	0	ANNUAL	EXHPH8	5
337	path	591715	4141265	0.004815	2.72	7.81	0	ANNUAL	EXHPH8	5
338	offsite	591815	4141265	0.002484	3.57	3.57	0	ANNUAL	EXHPH8	5
339	offsite	591915	4141265	0.001465	2.95	2.95	0	ANNUAL	EXHPH8	5
340	offsite	592015	4141265	0.000958	3.6	3.6	0	ANNUAL	EXHPH8	5
341	offsite	592115	4141265	0.000675	3.45	3.45	0	ANNUAL	EXHPH8	5
342	offsite	592215	4141265	0.000504	3.63	3.63	0	ANNUAL	EXHPH8	5
343	offsite	592315	4141265	0.000391	3.44	3.44	0	ANNUAL	EXHPH8	5
344	offsite	592415	4141265	0.000314	2.71	2.71	0	ANNUAL	EXHPH8	5
345	offsite	590515	4141365	0	1.72	1.72	0	ANNUAL	EXHPH8	5
346	offsite	590615	4141365	0	2.52	2.52	0	ANNUAL	EXHPH8	5
347	offsite	590715	4141365	0	2.48	23.1	0	ANNUAL	EXHPH8	5
348	offsite	590815	4141365	0	2.01	23.27	0	ANNUAL	EXHPH8	5
349	offsite	590915	4141365	0	2.15	21.94	0	ANNUAL	EXHPH8	5
350	Phase6	591015	4141365	0.000769	7.27	21.94	0	ANNUAL	EXHPH8	5
351	Phase6	591115	4141365	0.001183	18.02	21.12	0	ANNUAL	EXHPH8	5
352	Phase6	591215	4141365	0.001666	16.43	16.43	0	ANNUAL	EXHPH8	5
353	Phase6	591315	4141365	0.002499	15.84	15.84	0	ANNUAL	EXHPH8	5
354	Phase6	591415	4141365	0.003651	13.12	14.84	0	ANNUAL	EXHPH8	5
355	Phase6	591515	4141365	0.004512	2.61	14.87	0	ANNUAL	EXHPH8	5
356	path	591615	4141365	0.003694	2.71	2.71	0	ANNUAL	EXHPH8	5
357	offsite	591715	4141365	0.002324	3.07	6.75	0	ANNUAL	EXHPH8	5
358	offsite	591815	4141365	0.0015	3.97	3.97	0	ANNUAL	EXHPH8	5
359	offsite	591915	4141365	0.001015	3.93	3.93	0	ANNUAL	EXHPH8	5
360	offsite	592015	4141365	0.000722	3.18	3.18	0	ANNUAL	EXHPH8	5

Phase 5

PHASE:	5	5	5	5	5	5	5	5	5	5	5
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (Z	Averagin F	Source Gr	Num Years	Net ID
361	offsite	592115	4141365	0.000239	3.14	3.14	0	ANNUAL	EXHPH5	5	
362	offsite	592215	4141365	0.000213	3.18	3.18	0	ANNUAL	EXHPH5	5	
363	offsite	592315	4141365	0.000191	3.52	3.52	0	ANNUAL	EXHPH5	5	
364	offsite	592415	4141365	0.000173	3.81	3.81	0	ANNUAL	EXHPH5	5	
365	offsite	592515	4141365	0.000158	2.85	2.85	0	ANNUAL	EXHPH5	5	
366	offsite	590615	4141465	0	3.11	11.59	0	ANNUAL	EXHPH5	5	
367	offsite	590715	4141465	0	2.8	2.8	0	ANNUAL	EXHPH5	5	
368	offsite	590815	4141465	0	1.88	1.88	0	ANNUAL	EXHPH5	5	
369	offsite	590915	4141465	0	1.9	21.94	0	ANNUAL	EXHPH5	5	
370	Phase6	591015	4141465	0.002238	15.33	21.94	0	ANNUAL	EXHPH5	5	
371	Phase6	591115	4141465	0.001562	18.25	18.25	0	ANNUAL	EXHPH5	5	
372	Phase6	591215	4141465	0.001142	18.08	18.08	0	ANNUAL	EXHPH5	5	
373	Phase6	591315	4141465	0.000884	14.98	14.98	0	ANNUAL	EXHPH5	5	
374	Phase6	591415	4141465	0.000715	9.35	11.15	0	ANNUAL	EXHPH5	5	
375	path	591515	4141465	0.000573	2.71	12.32	0	ANNUAL	EXHPH5	5	
376	offsite	591615	4141465	0.000468	2.74	6.86	0	ANNUAL	EXHPH5	5	
377	offsite	591715	4141465	0.00039	1.12	1.12	0	ANNUAL	EXHPH5	5	
378	offsite	591815	4141465	0.000332	3.94	3.94	0	ANNUAL	EXHPH5	5	
379	offsite	591915	4141465	0.000287	4.04	4.04	0	ANNUAL	EXHPH5	5	
380	offsite	592015	4141465	0.000252	3.84	3.84	0	ANNUAL	EXHPH5	5	
381	offsite	592115	4141465	0.000223	3.81	3.81	0	ANNUAL	EXHPH5	5	
382	offsite	592215	4141465	0.0002	3.84	3.84	0	ANNUAL	EXHPH5	5	
383	offsite	592315	4141465	0.000181	3.78	3.78	0	ANNUAL	EXHPH5	5	
384	offsite	592415	4141465	0.000165	3.46	3.46	0	ANNUAL	EXHPH5	5	
385	offsite	590815	4141565	0	2.51	11.72	0	ANNUAL	EXHPH5	5	
386	offsite	590915	4141565	0	2.47	21.94	0	ANNUAL	EXHPH5	5	
387	Phase6	591015	4141565	0.001442	2.02	21.94	0	ANNUAL	EXHPH5	5	
388	Phase6	591115	4141565	0.001129	12.39	21.53	0	ANNUAL	EXHPH5	5	
389	Phase6	591215	4141565	0.00088	14.73	14.73	0	ANNUAL	EXHPH5	5	
390	Phase6	591315	4141565	0.000717	11.93	12.68	0	ANNUAL	EXHPH5	5	
391	path	591415	4141565	0.000596	4.46	12.44	0	ANNUAL	EXHPH5	5	
392	path	591515	4141565	0.00049	4.3	6.63	0	ANNUAL	EXHPH5	5	
393	offsite	591615	4141565	0.00041	1.35	1.35	0	ANNUAL	EXHPH5	5	
394	offsite	591715	4141565	0.000349	1.18	1.18	0	ANNUAL	EXHPH5	5	
395	offsite	591815	4141565	0.000301	1.57	1.57	0	ANNUAL	EXHPH5	5	
396	offsite	591915	4141565	0.000264	1.59	1.59	0	ANNUAL	EXHPH5	5	
397	offsite	592015	4141565	0.000233	1.72	1.72	0	ANNUAL	EXHPH5	5	
398	offsite	592115	4141565	0.000209	2.21	2.21	0	ANNUAL	EXHPH5	5	
399	offsite	592215	4141565	0.000188	1.88	1.88	0	ANNUAL	EXHPH5	5	
400	offsite	592315	4141565	0.000172	3.97	3.97	0	ANNUAL	EXHPH5	5	
401	offsite	590915	4141665	0	3.72	10.08	0	ANNUAL	EXHPH5	5	
402	Phase6	591015	4141665	0.000981	1.16	21.94	0	ANNUAL	EXHPH5	5	
403	Phase6	591115	4141665	0.000843	0.27	21.94	0	ANNUAL	EXHPH5	5	
404	Phase6	591215	4141665	0.00071	1.69	17.36	0	ANNUAL	EXHPH5	5	
405	Phase6	591315	4141665	0.000593	1.94	13.61	0	ANNUAL	EXHPH5	5	
406	path	591415	4141665	0.000498	2.71	6.63	0	ANNUAL	EXHPH5	5	
407	offsite	591515	4141665	0.000421	1.22	6.65	0	ANNUAL	EXHPH5	5	
408	offsite	591615	4141665	0.000361	0.58	0.58	0	ANNUAL	EXHPH5	5	
409	offsite	591715	4141665	0.000313	1.1	1.1	0	ANNUAL	EXHPH5	5	
410	offsite	591815	4141665	0.000275	1.5	1.5	0	ANNUAL	EXHPH5	5	
411	offsite	591915	4141665	0.000243	1.57	1.57	0	ANNUAL	EXHPH5	5	
412	offsite	592015	4141665	0.000217	1.79	1.79	0	ANNUAL	EXHPH5	5	
413	offsite	592115	4141665	0.000196	1.9	1.9	0	ANNUAL	EXHPH5	5	
414	offsite	592215	4141665	0.000178	2.19	3.39	0	ANNUAL	EXHPH5	5	
415	Phase6	591115	4141765	0.000644	1.5	8.76	0	ANNUAL	EXHPH5	5	
416	Phase6	591215	4141765	0.000562	0.27	8.75	0	ANNUAL	EXHPH5	5	
417	path	591315	4141765	0.000487	2.71	6.85	0	ANNUAL	EXHPH5	5	
418	offsite	591415	4141765	0.000421	3.75	6.28	0	ANNUAL	EXHPH5	5	
419	offsite	591515	4141765	0.000365	1.22	1.22	0	ANNUAL	EXHPH5	5	
420	offsite	591615	4141765	0.000319	1.64	1.64	0	ANNUAL	EXHPH5	5	
421	offsite	591715	4141765	0.000282	2.1	2.1	0	ANNUAL	EXHPH5	5	
422	offsite	591815	4141765	0.00025	1.47	1.47	0	ANNUAL	EXHPH5	5	
423	offsite	591915	4141765	0.000225	2.58	2.58	0	ANNUAL	EXHPH5	5	
424	offsite	592015	4141765	0.000203	2.57	2.57	0	ANNUAL	EXHPH5	5	
425	offsite	592115	4141765	0.000184	2.49	10.31	0	ANNUAL	EXHPH5	5	
426	offsite	590915	4141965	0.000475	4.64	4.64	0	ANNUAL	EXHPH5	5	
427	path	591215	4141965	0.000382	1.81	5.94	0	ANNUAL	EXHPH5	5	
428	path	591315	4141965	0.000346	2.71	6.26	0	ANNUAL	EXHPH5	5	
429	offsite	590815	4142065	0.000401	4.48	4.48	0	ANNUAL	EXHPH5	5	
430	offsite	590915	4142065	0.00039	4.32	4.32	0	ANNUAL	EXHPH5	5	
431	offsite	591015	4142065	0.000372	4.33	4.33	0	ANNUAL	EXHPH5	5	
432	path	591115	4142065	0.00035	1.85	6.79	0	ANNUAL	EXHPH5	5	
433	path	591215	4142065	0.000325	2.97	2.97	0	ANNUAL	EXHPH5	5	
434	offsite	590715	4142165	0.000341	4.74	4.74	0	ANNUAL	EXHPH5	5	
435	offsite	590815	4142165	0.000336	4.43	4.43	0	ANNUAL	EXHPH5	5	
436	path	590915	4142165	0.000328	4.76	5.44	0	ANNUAL	EXHPH5	5	
437	path	591015	4142165	0.000315	2.7	6.62	0	ANNUAL	EXHPH5	5	
438	path	591115	4142165	0.000299	2.71	2.71	0	ANNUAL	EXHPH5	5	
439	path	590415	4142265	0.000286	2.1	2.1	0	ANNUAL	EXHPH5	5	
440	path	590515	4142265	0.00029	2.12	2.12	0	ANNUAL	EXHPH5	5	
441	path	590615	4142265	0.000292	1.8	1.8	0	ANNUAL	EXHPH5	5	
442	path	590715	4142265	0.000291	1.96	1.96	0	ANNUAL	EXHPH5	5	
443	path	590815	4142265	0.000288	2.58	2.58	0	ANNUAL	EXHPH5	5	
444	path	590915	4142265	0.000281	2.62	5.66	0	ANNUAL	EXHPH5	5	
445	path	591015	4142265	0.000272	5.39	6.93	0	ANNUAL	EXHPH5	5	
446	school	591515	4142365	0.000183	2.14	2.14	0	ANNUAL	EXHPH5	5	
447	park	591215	4142465	0.000196	2.18	2.18	0	ANNUAL	EXHPH5	5	
448	park	591315	4142465	0.000187	1.28	1.28	0	ANNUAL	EXHPH5	5	
449	school	591415	4142465	0.000177	2.04	2.04	0	ANNUAL	EXHPH5	5	
450	path	590415	4142565	0.000201	4.25	4.91	0	ANNUAL	EXHPH5	5	
451	offsite	590915	4142565	0.000194	0.95	0.95	0	ANNUAL	EXHPH5	5	
452	offsite	591015	4142565	0.00019	3.27	3.51	0	ANNUAL	EXHPH5	5	
453	offsite	591115	4142565	0.000184	0	0	0	ANNUAL	EXHPH5	5	
454	park	591215	4142565	0.000177	0	0	0	ANNUAL	EXHPH5	5	
455	park	591315	4142565	0.00017	0	0	0	ANNUAL	EXHPH5	5	
456	school	591415	4142565	0.000162	0	0	0	ANNUAL	EXHPH5	5	
457	path	590315	4142665	0.00018	0	0	0	ANNUAL	EXHPH5	5	
458	offsite	590515	4142665	0.000182	0	0	0	ANNUAL	EXHPH5	5	
459	offsite	590615	4142665	0.000182	0	0	0	ANNUAL	EXHPH5	5	
460	offsite	590715	4142665	0.00018	0	0	0	ANNUAL	EXHPH5	5	
461	offsite	590815	4142665	0.000179	0	0	0	ANNUAL	EXHPH5	5	
462	offsite	590915	4142665	0.000176	0	0	0	ANNUAL	EXHPH5	5	
463	offsite	591015	4142665	0.000172	0	0	0	ANNUAL	EXHPH5	5	
464	park	591215	4142665	0.000162	0	0	0	ANNUAL	EXHPH5	5	
465	path	590315	4142765	0.000165	0	0	0	ANNUAL	EXHPH5	5	
466	offsite	590515	4142765	0.000166	0	0	0	ANNUAL	EXHPH5	5	
467	offsite	590615	4142765	0.000165	0	0	0	ANNUAL	EXHPH5	5	
468	offsite	590715	4142765	0.000164	0	0	0	ANNUAL	EXHPH5	5	
469	offsite	590815	4142765	0.000163	0	0	0	ANNUAL	EXHPH5	5	
470	offsite	590915	4142765	0.00016	0	0	0	ANNUAL	EXHPH5	5	
471	offsite	591015	4142765	0.000157	0	0	0	ANNUAL	EXHPH5	5	
472	offsite	591115	4142765	0.000153	0	0	0	ANNUAL	EXHPH5	5	
473	220 (park)	591239.5	4140295	0.000677	0	0	0	ANNUAL	EXHPH5	5	
474	1219 (park	591338.7	4140348	0.000818	0	0	0	ANNUAL	EXHPH5	5	

Phase 6

PHASE:	6	6	6	6	6	6	6	6	6	6
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (Z	Averagin F	Source Gr	Num Years
361	offsite	592115	4141365	0.001132	3.14	3.14	0	ANNUAL	EXHPH6	5
362	offsite	592215	4141365	0.0009	3.18	3.18	0	ANNUAL	EXHPH6	5
363	offsite	592315	4141365	0.000733	3.52	3.52	0	ANNUAL	EXHPH6	5
364	offsite	592415	4141365	0.000611	3.81	3.81	0	ANNUAL	EXHPH6	5
365	offsite	592515	4141365	0.000518	2.85	2.85	0	ANNUAL	EXHPH6	5
366	offsite	590615	4141465	0	3.11	11.59	0	ANNUAL	EXHPH6	5
367	offsite	590715	4141465	0	2.8	2.8	0	ANNUAL	EXHPH6	5
368	offsite	590815	4141465	0	1.88	1.88	0	ANNUAL	EXHPH6	5
369	offsite	590915	4141465	0	1.9	21.94	0	ANNUAL	EXHPH6	5
370	Phase6	591015	4141465	0.027659	15.33	21.94	0	ANNUAL	EXHPH6	5
371	Phase6	591115	4141465	0.036805	18.25	18.25	0	ANNUAL	EXHPH6	5
372	Phase6	591215	4141465	0.038499	18.08	18.08	0	ANNUAL	EXHPH6	5
373	Phase6	591315	4141465	0.037902	14.98	14.98	0	ANNUAL	EXHPH6	5
374	Phase6	591415	4141465	0.03052	9.35	11.15	0	ANNUAL	EXHPH6	5
375	path	591515	4141465	0.012116	2.71	12.32	0	ANNUAL	EXHPH6	5
376	offsite	591615	4141465	0.005844	2.74	6.86	0	ANNUAL	EXHPH6	5
377	offsite	591715	4141465	0.003462	1.12	1.12	0	ANNUAL	EXHPH6	5
378	offsite	591815	4141465	0.002319	3.94	3.94	0	ANNUAL	EXHPH6	5
379	offsite	591915	4141465	0.001655	4.04	4.04	0	ANNUAL	EXHPH6	5
380	offsite	592015	4141465	0.001242	3.84	3.84	0	ANNUAL	EXHPH6	5
381	offsite	592115	4141465	0.000968	3.81	3.81	0	ANNUAL	EXHPH6	5
382	offsite	592215	4141465	0.000778	3.84	3.84	0	ANNUAL	EXHPH6	5
383	offsite	592315	4141465	0.000642	3.78	3.78	0	ANNUAL	EXHPH6	5
384	offsite	592415	4141465	0.00054	3.46	3.46	0	ANNUAL	EXHPH6	5
385	offsite	590815	4141565	0	2.51	11.72	0	ANNUAL	EXHPH6	5
386	offsite	590915	4141565	0	2.47	21.94	0	ANNUAL	EXHPH6	5
387	Phase6	591015	4141565	0.030601	2.02	21.94	0	ANNUAL	EXHPH6	5
388	Phase6	591115	4141565	0.035551	12.39	21.53	0	ANNUAL	EXHPH6	5
389	Phase6	591215	4141565	0.038069	14.73	14.73	0	ANNUAL	EXHPH6	5
390	Phase6	591315	4141565	0.034199	11.93	12.68	0	ANNUAL	EXHPH6	5
391	path	591415	4141565	0.018424	4.46	12.44	0	ANNUAL	EXHPH6	5
392	path	591515	4141565	0.007515	4.3	6.63	0	ANNUAL	EXHPH6	5
393	offsite	591615	4141565	0.004198	1.35	1.35	0	ANNUAL	EXHPH6	5
394	offsite	591715	4141565	0.002676	1.18	1.18	0	ANNUAL	EXHPH6	5
395	offsite	591815	4141565	0.001851	1.57	1.57	0	ANNUAL	EXHPH6	5
396	offsite	591915	4141565	0.001358	1.59	1.59	0	ANNUAL	EXHPH6	5
397	offsite	592015	4141565	0.001042	1.72	1.72	0	ANNUAL	EXHPH6	5
398	offsite	592115	4141565	0.000828	2.21	2.21	0	ANNUAL	EXHPH6	5
399	offsite	592215	4141565	0.000677	1.88	1.88	0	ANNUAL	EXHPH6	5
400	offsite	592315	4141565	0.000565	3.97	3.97	0	ANNUAL	EXHPH6	5
401	offsite	590915	4141665	0	3.72	10.08	0	ANNUAL	EXHPH6	5
402	Phase6	591015	4141665	0.022085	1.16	21.94	0	ANNUAL	EXHPH6	5
403	Phase6	591115	4141665	0.03324	0.27	21.94	0	ANNUAL	EXHPH6	5
404	Phase6	591215	4141665	0.033598	1.69	17.36	0	ANNUAL	EXHPH6	5
405	Phase6	591315	4141665	0.024392	1.94	13.61	0	ANNUAL	EXHPH6	5
406	path	591415	4141665	0.009141	2.71	6.63	0	ANNUAL	EXHPH6	5
407	offsite	591515	4141665	0.004801	1.22	6.65	0	ANNUAL	EXHPH6	5
408	offsite	591615	4141665	0.002987	0.58	0.58	0	ANNUAL	EXHPH6	5
409	offsite	591715	4141665	0.002032	1.1	1.1	0	ANNUAL	EXHPH6	5
410	offsite	591815	4141665	0.001471	1.5	1.5	0	ANNUAL	EXHPH6	5
411	offsite	591915	4141665	0.001117	1.57	1.57	0	ANNUAL	EXHPH6	5
412	offsite	592015	4141665	0.00088	1.79	1.79	0	ANNUAL	EXHPH6	5
413	offsite	592115	4141665	0.000715	1.9	1.9	0	ANNUAL	EXHPH6	5
414	offsite	592215	4141665	0.000595	2.19	3.39	0	ANNUAL	EXHPH6	5
415	Phase6	591115	4141765	0.018657	1.5	8.76	0	ANNUAL	EXHPH6	5
416	Phase6	591215	4141765	0.024507	0.27	8.75	0	ANNUAL	EXHPH6	5
417	path	591315	4141765	0.01353	2.71	6.85	0	ANNUAL	EXHPH6	5
418	offsite	591415	4141765	0.005092	3.75	6.28	0	ANNUAL	EXHPH6	5
419	offsite	591515	4141765	0.003136	1.22	1.22	0	ANNUAL	EXHPH6	5
420	offsite	591615	4141765	0.002136	1.64	1.64	0	ANNUAL	EXHPH6	5
421	offsite	591715	4141765	0.001551	2.1	2.1	0	ANNUAL	EXHPH6	5
422	offsite	591815	4141765	0.001181	1.47	1.47	0	ANNUAL	EXHPH6	5
423	offsite	591915	4141765	0.000929	2.58	2.58	0	ANNUAL	EXHPH6	5
424	offsite	592015	4141765	0.000754	2.57	2.57	0	ANNUAL	EXHPH6	5
425	offsite	592115	4141765	0.000627	2.49	10.31	0	ANNUAL	EXHPH6	5
426	offsite	590915	4141965	0.002168	4.64	4.64	0	ANNUAL	EXHPH6	5
427	path	591215	4141965	0.00273	1.81	5.94	0	ANNUAL	EXHPH6	5
428	path	591315	4141965	0.002368	2.71	6.26	0	ANNUAL	EXHPH6	5
429	offsite	590815	4142065	0.001385	4.48	4.48	0	ANNUAL	EXHPH6	5
430	offsite	590915	4142065	0.001545	4.32	4.32	0	ANNUAL	EXHPH6	5
431	offsite	591015	4142065	0.001669	4.33	4.33	0	ANNUAL	EXHPH6	5
432	path	591115	4142065	0.001736	1.85	6.79	0	ANNUAL	EXHPH6	5
433	path	591215	4142065	0.001682	2.97	2.97	0	ANNUAL	EXHPH6	5
434	offsite	590715	4142165	0.000987	4.74	4.74	0	ANNUAL	EXHPH6	5
435	offsite	590815	4142165	0.001077	4.43	4.43	0	ANNUAL	EXHPH6	5
436	path	590915	4142165	0.001152	4.76	5.44	0	ANNUAL	EXHPH6	5
437	path	591015	4142165	0.001207	2.7	6.62	0	ANNUAL	EXHPH6	5
438	path	591115	4142165	0.001221	2.71	2.71	0	ANNUAL	EXHPH6	5
439	path	590415	4142265	0.000634	2.1	2.1	0	ANNUAL	EXHPH6	5
440	path	590515	4142265	0.000693	2.12	2.12	0	ANNUAL	EXHPH6	5
441	path	590615	4142265	0.000752	1.8	1.8	0	ANNUAL	EXHPH6	5
442	path	590715	4142265	0.000808	1.96	1.96	0	ANNUAL	EXHPH6	5
443	path	590815	4142265	0.000859	2.58	2.58	0	ANNUAL	EXHPH6	5
444	path	590915	4142265	0.000899	2.62	5.66	0	ANNUAL	EXHPH6	5
445	path	591015	4142265	0.000922	5.39	6.93	0	ANNUAL	EXHPH6	5
446	school	591515	4142365	0.000596	2.14	2.14	0	ANNUAL	EXHPH6	5
447	park	591215	4142465	0.00059	2.18	2.18	0	ANNUAL	EXHPH6	5
448	park	591315	4142465	0.000569	1.28	1.28	0	ANNUAL	EXHPH6	5
449	school	591415	4142465	0.00054	2.04	2.04	0	ANNUAL	EXHPH6	5
450	path	590415	4142565	0.00044	4.25	4.91	0	ANNUAL	EXHPH6	5
451	offsite	590915	4142565	0.000508	0.95	0.95	0	ANNUAL	EXHPH6	5
452	offsite	591015	4142565	0.00051	3.27	3.51	0	ANNUAL	EXHPH6	5
453	offsite	591115	4142565	0.000507	0	0	0	ANNUAL	EXHPH6	5
454	park	591215	4142565	0.000498	0	0	0	ANNUAL	EXHPH6	5
455	park	591315	4142565	0.000482	0	0	0	ANNUAL	EXHPH6	5
456	school	591415	4142565	0.000462	0	0	0	ANNUAL	EXHPH6	5
457	path	590315	4142665	0.000378	0	0	0	ANNUAL	EXHPH6	5
458	offsite	590515	4142665	0.000406	0	0	0	ANNUAL	EXHPH6	5
459	offsite	590615	4142665	0.000417	0	0	0	ANNUAL	EXHPH6	5
460	offsite	590715	4142665	0.000427	0	0	0	ANNUAL	EXHPH6	5
461	offsite	590815	4142665	0.000434	0	0	0	ANNUAL	EXHPH6	5
462	offsite	590915	4142665	0.000439	0	0	0	ANNUAL	EXHPH6	5
463	offsite	591015	4142665	0.000439	0	0	0	ANNUAL	EXHPH6	5
464	park	591215	4142665	0.000428	0	0	0	ANNUAL	EXHPH6	5
465	path	590315	4142765	0.000343	0	0	0	ANNUAL	EXHPH6	5
466	offsite	590515	4142765	0.000362	0	0	0	ANNUAL	EXHPH6	5
467	offsite	590615	4142765	0.000371	0	0	0	ANNUAL	EXHPH6	5
468	offsite	590715	4142765	0.000377	0	0	0	ANNUAL	EXHPH6	5
469	offsite	590815	4142765	0.000382	0	0	0	ANNUAL	EXHPH6	5
470	offsite	590915	4142765	0.000384	0	0	0	ANNUAL	EXHPH6	5
471	offsite	591015	4142765	0.000384	0	0	0	ANNUAL	EXHPH6	5
472	offsite	591115	4142765	0.000381	0	0	0	ANNUAL	EXHPH6	5
473	220 (park)	591239.5	4140295	0.000431	0	0	0	ANNUAL	EXHPH6	5
474	1219 (park	591338.7	4140348	0.000492	0	0	0	ANNUAL	EXHPH6	5

Phase 7

PHASE:	7	7	7	7	7	7	7	7	7	7
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (Z	Averagin F	Source Gr	Num Years
361	offsite	592115	4141365	0.000399	3.14	3.14	0	ANNUAL	EXHPH7	5
362	offsite	592215	4141365	0.000336	3.18	3.18	0	ANNUAL	EXHPH7	5
363	offsite	592315	4141365	0.000288	3.52	3.52	0	ANNUAL	EXHPH7	5
364	offsite	592415	4141365	0.000251	3.81	3.81	0	ANNUAL	EXHPH7	5
365	offsite	592515	4141365	0.000221	2.85	2.85	0	ANNUAL	EXHPH7	5
366	offsite	590615	4141465	0	3.11	11.59	0	ANNUAL	EXHPH7	5
367	offsite	590715	4141465	0	2.8	2.8	0	ANNUAL	EXHPH7	5
368	offsite	590815	4141465	0	1.88	1.88	0	ANNUAL	EXHPH7	5
369	offsite	590915	4141465	0	1.9	21.94	0	ANNUAL	EXHPH7	5
370	Phase6	591015	4141465	0.001339	15.33	21.94	0	ANNUAL	EXHPH7	5
371	Phase6	591115	4141465	0.001583	18.25	18.25	0	ANNUAL	EXHPH7	5
372	Phase6	591215	4141465	0.001542	18.08	18.08	0	ANNUAL	EXHPH7	5
373	Phase6	591315	4141465	0.001437	14.98	14.98	0	ANNUAL	EXHPH7	5
374	Phase6	591415	4141465	0.001373	9.35	11.15	0	ANNUAL	EXHPH7	5
375	path	591515	4141465	0.001161	2.71	12.32	0	ANNUAL	EXHPH7	5
376	offsite	591615	4141465	0.000943	2.74	6.86	0	ANNUAL	EXHPH7	5
377	offsite	591715	4141465	0.000757	1.12	1.12	0	ANNUAL	EXHPH7	5
378	offsite	591815	4141465	0.000613	3.94	3.94	0	ANNUAL	EXHPH7	5
379	offsite	591915	4141465	0.000502	4.04	4.04	0	ANNUAL	EXHPH7	5
380	offsite	592015	4141465	0.000418	3.84	3.84	0	ANNUAL	EXHPH7	5
381	offsite	592115	4141465	0.000353	3.81	3.81	0	ANNUAL	EXHPH7	5
382	offsite	592215	4141465	0.000303	3.84	3.84	0	ANNUAL	EXHPH7	5
383	offsite	592315	4141465	0.000263	3.78	3.78	0	ANNUAL	EXHPH7	5
384	offsite	592415	4141465	0.000232	3.46	3.46	0	ANNUAL	EXHPH7	5
385	offsite	590815	4141565	0	2.51	11.72	0	ANNUAL	EXHPH7	5
386	offsite	590915	4141565	0	2.47	21.94	0	ANNUAL	EXHPH7	5
387	Phase6	591015	4141565	0.000904	2.02	21.94	0	ANNUAL	EXHPH7	5
388	Phase6	591115	4141565	0.000973	12.39	21.53	0	ANNUAL	EXHPH7	5
389	Phase6	591215	4141565	0.000994	14.73	14.73	0	ANNUAL	EXHPH7	5
390	Phase6	591315	4141565	0.000984	11.93	12.68	0	ANNUAL	EXHPH7	5
391	path	591415	4141565	0.000929	4.46	12.44	0	ANNUAL	EXHPH7	5
392	path	591515	4141565	0.000825	4.3	6.63	0	ANNUAL	EXHPH7	5
393	offsite	591615	4141565	0.000706	1.35	1.35	0	ANNUAL	EXHPH7	5
394	offsite	591715	4141565	0.000596	1.18	1.18	0	ANNUAL	EXHPH7	5
395	offsite	591815	4141565	0.000502	1.57	1.57	0	ANNUAL	EXHPH7	5
396	offsite	591915	4141565	0.000424	1.59	1.59	0	ANNUAL	EXHPH7	5
397	offsite	592015	4141565	0.000363	1.72	1.72	0	ANNUAL	EXHPH7	5
398	offsite	592115	4141565	0.000313	2.21	2.21	0	ANNUAL	EXHPH7	5
399	offsite	592215	4141565	0.000273	1.88	1.88	0	ANNUAL	EXHPH7	5
400	offsite	592315	4141565	0.000241	3.97	3.97	0	ANNUAL	EXHPH7	5
401	offsite	590915	4141665	0	3.72	10.08	0	ANNUAL	EXHPH7	5
402	Phase6	591015	4141665	0.000683	1.16	21.94	0	ANNUAL	EXHPH7	5
403	Phase6	591115	4141665	0.000715	0.27	21.94	0	ANNUAL	EXHPH7	5
404	Phase6	591215	4141665	0.000728	1.69	17.36	0	ANNUAL	EXHPH7	5
405	Phase6	591315	4141665	0.000716	1.94	13.61	0	ANNUAL	EXHPH7	5
406	path	591415	4141665	0.000678	2.71	6.63	0	ANNUAL	EXHPH7	5
407	offsite	591515	4141665	0.000619	1.22	6.65	0	ANNUAL	EXHPH7	5
408	offsite	591615	4141665	0.00055	0.58	0.58	0	ANNUAL	EXHPH7	5
409	offsite	591715	4141665	0.000481	1.1	1.1	0	ANNUAL	EXHPH7	5
410	offsite	591815	4141665	0.000417	1.5	1.5	0	ANNUAL	EXHPH7	5
411	offsite	591915	4141665	0.000363	1.57	1.57	0	ANNUAL	EXHPH7	5
412	offsite	592015	4141665	0.000317	1.79	1.79	0	ANNUAL	EXHPH7	5
413	offsite	592115	4141665	0.000278	1.9	1.9	0	ANNUAL	EXHPH7	5
414	offsite	592215	4141665	0.000247	2.19	3.39	0	ANNUAL	EXHPH7	5
415	Phase6	591115	4141765	0.000551	1.5	8.76	0	ANNUAL	EXHPH7	5
416	Phase6	591215	4141765	0.000555	0.27	8.75	0	ANNUAL	EXHPH7	5
417	path	591315	4141765	0.000546	2.71	6.85	0	ANNUAL	EXHPH7	5
418	offsite	591415	4141765	0.000523	3.75	6.28	0	ANNUAL	EXHPH7	5
419	offsite	591515	4141765	0.000486	1.22	1.22	0	ANNUAL	EXHPH7	5
420	offsite	591615	4141765	0.000443	1.64	1.64	0	ANNUAL	EXHPH7	5
421	offsite	591715	4141765	0.000397	2.1	2.1	0	ANNUAL	EXHPH7	5
422	offsite	591815	4141765	0.000353	1.47	1.47	0	ANNUAL	EXHPH7	5
423	offsite	591915	4141765	0.000313	2.58	2.58	0	ANNUAL	EXHPH7	5
424	offsite	592015	4141765	0.000279	2.57	2.57	0	ANNUAL	EXHPH7	5
425	offsite	592115	4141765	0.000249	2.49	10.31	0	ANNUAL	EXHPH7	5
426	offsite	590915	4141965	0.000351	4.64	4.64	0	ANNUAL	EXHPH7	5
427	path	591215	4141965	0.000363	1.81	5.94	0	ANNUAL	EXHPH7	5
428	path	591315	4141965	0.000357	2.71	6.26	0	ANNUAL	EXHPH7	5
429	offsite	590815	4142065	0.000292	4.48	4.48	0	ANNUAL	EXHPH7	5
430	offsite	590915	4142065	0.000299	4.32	4.32	0	ANNUAL	EXHPH7	5
431	offsite	591015	4142065	0.000304	4.33	4.33	0	ANNUAL	EXHPH7	5
432	path	591115	4142065	0.000306	1.85	6.79	0	ANNUAL	EXHPH7	5
433	path	591215	4142065	0.000305	2.97	2.97	0	ANNUAL	EXHPH7	5
434	offsite	590715	4142165	0.000248	4.74	4.74	0	ANNUAL	EXHPH7	5
435	offsite	590815	4142165	0.000255	4.43	4.43	0	ANNUAL	EXHPH7	5
436	path	590915	4142165	0.00026	4.76	5.44	0	ANNUAL	EXHPH7	5
437	path	591015	4142165	0.000262	2.7	6.62	0	ANNUAL	EXHPH7	5
438	path	591115	4142165	0.000263	2.71	2.71	0	ANNUAL	EXHPH7	5
439	path	590415	4142265	0.000202	2.1	2.1	0	ANNUAL	EXHPH7	5
440	path	590515	4142265	0.000209	2.12	2.12	0	ANNUAL	EXHPH7	5
441	path	590615	4142265	0.000215	1.8	1.8	0	ANNUAL	EXHPH7	5
442	path	590715	4142265	0.00022	1.96	1.96	0	ANNUAL	EXHPH7	5
443	path	590815	4142265	0.000224	2.58	2.58	0	ANNUAL	EXHPH7	5
444	path	590915	4142265	0.000228	2.62	5.66	0	ANNUAL	EXHPH7	5
445	path	591015	4142265	0.00023	5.39	6.93	0	ANNUAL	EXHPH7	5
446	school	591515	4142365	0.00019	2.14	2.14	0	ANNUAL	EXHPH7	5
447	park	591215	4142465	0.000181	2.18	2.18	0	ANNUAL	EXHPH7	5
448	park	591315	4142465	0.000178	1.28	1.28	0	ANNUAL	EXHPH7	5
449	school	591415	4142465	0.000175	2.04	2.04	0	ANNUAL	EXHPH7	5
450	path	590415	4142565	0.000156	4.25	4.91	0	ANNUAL	EXHPH7	5
451	offsite	590915	4142565	0.000165	0.95	0.95	0	ANNUAL	EXHPH7	5
452	offsite	591015	4142565	0.000165	3.27	3.51	0	ANNUAL	EXHPH7	5
453	offsite	591115	4142565	0.000165	0	0	0	ANNUAL	EXHPH7	5
454	park	591215	4142565	0.000163	0	0	0	ANNUAL	EXHPH7	5
455	park	591315	4142565	0.000161	0	0	0	ANNUAL	EXHPH7	5
456	school	591415	4142565	0.000159	0	0	0	ANNUAL	EXHPH7	5
457	path	590315	4142665	0.000141	0	0	0	ANNUAL	EXHPH7	5
458	offsite	590515	4142665	0.000146	0	0	0	ANNUAL	EXHPH7	5
459	offsite	590615	4142665	0.000147	0	0	0	ANNUAL	EXHPH7	5
460	offsite	590715	4142665	0.000149	0	0	0	ANNUAL	EXHPH7	5
461	offsite	590815	4142665	0.00015	0	0	0	ANNUAL	EXHPH7	5
462	offsite	590915	4142665	0.000151	0	0	0	ANNUAL	EXHPH7	5
463	offsite	591015	4142665	0.000151	0	0	0	ANNUAL	EXHPH7	5
464	park	591215	4142665	0.000149	0	0	0	ANNUAL	EXHPH7	5
465	path	590315	4142765	0.000132	0	0	0	ANNUAL	EXHPH7	5
466	offsite	590515	4142765	0.000135	0	0	0	ANNUAL	EXHPH7	5
467	offsite	590615	4142765	0.000136	0	0	0	ANNUAL	EXHPH7	5
468	offsite	590715	4142765	0.000137	0	0	0	ANNUAL	EXHPH7	5
469	offsite	590815	4142765	0.000138	0	0	0	ANNUAL	EXHPH7	5
470	offsite	590915	4142765	0.000138	0	0	0	ANNUAL	EXHPH7	5
471	offsite	591015	4142765	0.000138	0	0	0	ANNUAL	EXHPH7	5
472	offsite	591115	4142765	0.000138	0	0	0	ANNUAL	EXHPH7	5
473	220 (park)	591239.5	4140295	0.000547	0	0	0	ANNUAL	EXHPH7	5
474	1219 (park	591338.7	4140348	0.0007	0	0	0	ANNUAL	EXHPH7	5

Phase 8

PHASE:	8	8	8	8	8	8	8	8	8	
	Discrete R	X	Y	Concentra	Elevation (	Hill Height	Flagpole (Z	Averagin F	EXHPH8	Num Years
361	offsite	592115	4141365	0.000539	3.14	3.14	0	ANNUAL	EXHPH8	5
362	offsite	592215	4141365	0.000418	3.18	3.18	0	ANNUAL	EXHPH8	5
363	offsite	592315	4141365	0.000335	3.52	3.52	0	ANNUAL	EXHPH8	5
364	offsite	592415	4141365	0.000275	3.81	3.81	0	ANNUAL	EXHPH8	5
365	offsite	592515	4141365	0.000231	2.85	2.85	0	ANNUAL	EXHPH8	5
366	offsite	590615	4141465	0	3.11	11.59	0	ANNUAL	EXHPH8	5
367	offsite	590715	4141465	0	2.8	2.8	0	ANNUAL	EXHPH8	5
368	offsite	590815	4141465	0	1.88	1.88	0	ANNUAL	EXHPH8	5
369	offsite	590915	4141465	0	1.9	21.94	0	ANNUAL	EXHPH8	5
370	Phase6	591015	4141465	0.000716	15.33	21.94	0	ANNUAL	EXHPH8	5
371	Phase6	591115	4141465	0.001008	18.25	18.25	0	ANNUAL	EXHPH8	5
372	Phase6	591215	4141465	0.001295	18.08	18.08	0	ANNUAL	EXHPH8	5
373	Phase6	591315	4141465	0.001529	14.98	14.98	0	ANNUAL	EXHPH8	5
374	Phase6	591415	4141465	0.001783	9.35	11.15	0	ANNUAL	EXHPH8	5
375	path	591515	4141465	0.001876	2.71	12.32	0	ANNUAL	EXHPH8	5
376	offsite	591615	4141465	0.001675	2.74	6.86	0	ANNUAL	EXHPH8	5
377	offsite	591715	4141465	0.00131	1.12	1.12	0	ANNUAL	EXHPH8	5
378	offsite	591815	4141465	0.000985	3.94	3.94	0	ANNUAL	EXHPH8	5
379	offsite	591915	4141465	0.000738	4.04	4.04	0	ANNUAL	EXHPH8	5
380	offsite	592015	4141465	0.000564	3.84	3.84	0	ANNUAL	EXHPH8	5
381	offsite	592115	4141465	0.000442	3.81	3.81	0	ANNUAL	EXHPH8	5
382	offsite	592215	4141465	0.000355	3.84	3.84	0	ANNUAL	EXHPH8	5
383	offsite	592315	4141465	0.000292	3.78	3.78	0	ANNUAL	EXHPH8	5
384	offsite	592415	4141465	0.000245	3.46	3.46	0	ANNUAL	EXHPH8	5
385	offsite	590815	4141565	0	2.51	11.72	0	ANNUAL	EXHPH8	5
386	offsite	590915	4141565	0	2.47	21.94	0	ANNUAL	EXHPH8	5
387	Phase6	591015	4141565	0.000583	2.02	21.94	0	ANNUAL	EXHPH8	5
388	Phase6	591115	4141565	0.000719	12.39	21.53	0	ANNUAL	EXHPH8	5
389	Phase6	591215	4141565	0.000868	14.73	14.73	0	ANNUAL	EXHPH8	5
390	Phase6	591315	4141565	0.000979	11.93	12.68	0	ANNUAL	EXHPH8	5
391	path	591415	4141565	0.001054	4.46	12.44	0	ANNUAL	EXHPH8	5
392	path	591515	4141565	0.001066	4.3	6.63	0	ANNUAL	EXHPH8	5
393	offsite	591615	4141565	0.000982	1.35	1.35	0	ANNUAL	EXHPH8	5
394	offsite	591715	4141565	0.000843	1.18	1.18	0	ANNUAL	EXHPH8	5
395	offsite	591815	4141565	0.000691	1.57	1.57	0	ANNUAL	EXHPH8	5
396	offsite	591915	4141565	0.000557	1.59	1.59	0	ANNUAL	EXHPH8	5
397	offsite	592015	4141565	0.000449	1.72	1.72	0	ANNUAL	EXHPH8	5
398	offsite	592115	4141565	0.000367	2.21	2.21	0	ANNUAL	EXHPH8	5
399	offsite	592215	4141565	0.000304	1.88	1.88	0	ANNUAL	EXHPH8	5
400	offsite	592315	4141565	0.000257	3.97	3.97	0	ANNUAL	EXHPH8	5
401	offsite	590915	4141665	0	3.72	10.08	0	ANNUAL	EXHPH8	5
402	Phase6	591015	4141665	0.000483	1.16	21.94	0	ANNUAL	EXHPH8	5
403	Phase6	591115	4141665	0.000551	0.27	21.94	0	ANNUAL	EXHPH8	5
404	Phase6	591215	4141665	0.000617	1.69	17.36	0	ANNUAL	EXHPH8	5
405	Phase6	591315	4141665	0.000671	1.94	13.61	0	ANNUAL	EXHPH8	5
406	path	591415	4141665	0.000703	2.71	6.63	0	ANNUAL	EXHPH8	5
407	offsite	591515	4141665	0.000699	1.22	6.65	0	ANNUAL	EXHPH8	5
408	offsite	591615	4141665	0.000659	0.58	0.58	0	ANNUAL	EXHPH8	5
409	offsite	591715	4141665	0.000591	1.1	1.1	0	ANNUAL	EXHPH8	5
410	offsite	591815	4141665	0.000512	1.5	1.5	0	ANNUAL	EXHPH8	5
411	offsite	591915	4141665	0.000433	1.57	1.57	0	ANNUAL	EXHPH8	5
412	offsite	592015	4141665	0.000365	1.79	1.79	0	ANNUAL	EXHPH8	5
413	offsite	592115	4141665	0.000309	1.9	1.9	0	ANNUAL	EXHPH8	5
414	offsite	592215	4141665	0.000263	2.19	3.39	0	ANNUAL	EXHPH8	5
415	Phase6	591115	4141765	0.000436	1.5	8.76	0	ANNUAL	EXHPH8	5
416	Phase6	591215	4141765	0.00047	0.27	8.75	0	ANNUAL	EXHPH8	5
417	path	591315	4141765	0.000496	2.71	6.85	0	ANNUAL	EXHPH8	5
418	offsite	591415	4141765	0.000508	3.75	6.28	0	ANNUAL	EXHPH8	5
419	offsite	591515	4141765	0.000502	1.22	1.22	0	ANNUAL	EXHPH8	5
420	offsite	591615	4141765	0.00048	1.64	1.64	0	ANNUAL	EXHPH8	5
421	offsite	591715	4141765	0.000442	2.1	2.1	0	ANNUAL	EXHPH8	5
422	offsite	591815	4141765	0.000395	1.47	1.47	0	ANNUAL	EXHPH8	5
423	offsite	591915	4141765	0.000347	2.58	2.58	0	ANNUAL	EXHPH8	5
424	offsite	592015	4141765	0.000302	2.57	2.57	0	ANNUAL	EXHPH8	5
425	offsite	592115	4141765	0.000262	2.49	10.31	0	ANNUAL	EXHPH8	5
426	offsite	590915	4141965	0.000261	4.64	4.64	0	ANNUAL	EXHPH8	5
427	path	591215	4141965	0.0003	1.81	5.94	0	ANNUAL	EXHPH8	5
428	path	591315	4141965	0.000307	2.71	6.26	0	ANNUAL	EXHPH8	5
429	offsite	590815	4142065	0.000213	4.48	4.48	0	ANNUAL	EXHPH8	5
430	offsite	590915	4142065	0.000225	4.32	4.32	0	ANNUAL	EXHPH8	5
431	offsite	591015	4142065	0.000235	4.33	4.33	0	ANNUAL	EXHPH8	5
432	path	591115	4142065	0.000243	1.85	6.79	0	ANNUAL	EXHPH8	5
433	path	591215	4142065	0.000249	2.97	2.97	0	ANNUAL	EXHPH8	5
434	offsite	590715	4142165	0.00018	4.74	4.74	0	ANNUAL	EXHPH8	5
435	offsite	590815	4142165	0.000188	4.43	4.43	0	ANNUAL	EXHPH8	5
436	path	590915	4142165	0.000195	4.76	5.44	0	ANNUAL	EXHPH8	5
437	path	591015	4142165	0.000202	2.7	6.62	0	ANNUAL	EXHPH8	5
438	path	591115	4142165	0.000207	2.71	2.71	0	ANNUAL	EXHPH8	5
439	path	590415	4142265	0.000141	2.1	2.1	0	ANNUAL	EXHPH8	5
440	path	590515	4142265	0.000148	2.12	2.12	0	ANNUAL	EXHPH8	5
441	path	590615	4142265	0.000154	1.8	1.8	0	ANNUAL	EXHPH8	5
442	path	590715	4142265	0.00016	1.96	1.96	0	ANNUAL	EXHPH8	5
443	path	590815	4142265	0.000166	2.58	2.58	0	ANNUAL	EXHPH8	5
444	path	590915	4142265	0.000172	2.62	5.66	0	ANNUAL	EXHPH8	5
445	path	591015	4142265	0.000177	5.39	6.93	0	ANNUAL	EXHPH8	5
446	school	591515	4142365	0.000158	2.14	2.14	0	ANNUAL	EXHPH8	5
447	park	591215	4142465	0.000142	2.18	2.18	0	ANNUAL	EXHPH8	5
448	park	591315	4142465	0.000142	1.28	1.28	0	ANNUAL	EXHPH8	5
449	school	591415	4142465	0.000141	2.04	2.04	0	ANNUAL	EXHPH8	5
450	path	590415	4142565	0.000111	4.25	4.91	0	ANNUAL	EXHPH8	5
451	offsite	590915	4142565	0.000124	0.95	0.95	0	ANNUAL	EXHPH8	5
452	offsite	591015	4142565	0.000126	3.27	3.51	0	ANNUAL	EXHPH8	5
453	offsite	591115	4142565	0.000127	0	0	0	ANNUAL	EXHPH8	5
454	park	591215	4142565	0.000127	0	0	0	ANNUAL	EXHPH8	5
455	park	591315	4142565	0.000127	0	0	0	ANNUAL	EXHPH8	5
456	school	591415	4142565	0.000126	0	0	0	ANNUAL	EXHPH8	5
457	path	590315	4142665	0.0001	0	0	0	ANNUAL	EXHPH8	5
458	offsite	590515	4142665	0.000105	0	0	0	ANNUAL	EXHPH8	5
459	offsite	590615	4142665	0.000107	0	0	0	ANNUAL	EXHPH8	5
460	offsite	590715	4142665	0.000109	0	0	0	ANNUAL	EXHPH8	5
461	offsite	590815	4142665	0.000111	0	0	0	ANNUAL	EXHPH8	5
462	offsite	590915	4142665	0.000113	0	0	0	ANNUAL	EXHPH8	5
463	offsite	591015	4142665	0.000114	0	0	0	ANNUAL	EXHPH8	5
464	park	591215	4142665	0.000115	0	0	0	ANNUAL	EXHPH8	5
465	path	590315	4142765	9.36E-05	0	0	0	ANNUAL	EXHPH8	5
466	offsite	590515	4142765	9.76E-05	0	0	0	ANNUAL	EXHPH8	5
467	offsite	590615	4142765	9.94E-05	0	0	0	ANNUAL	EXHPH8	5
468	offsite	590715	4142765	0.000101	0	0	0	ANNUAL	EXHPH8	5
469	offsite	590815	4142765	0.000102	0	0	0	ANNUAL	EXHPH8	5
470	offsite	590915	4142765	0.000103	0	0	0	ANNUAL	EXHPH8	5
471	offsite	591015	4142765	0.000104	0	0	0	ANNUAL	EXHPH8	5
472	offsite	591115	4142765	0.000105	0	0	0	ANNUAL	EXHPH8	5
473	220 (park)	591239.5	4140295	0.000249	0	0	0	ANNUAL	EXHPH8	5
474	1219 (park	591338.7	4140348	0.000303	0	0	0	ANNUAL	SRCGP8	5

	Phase 1															Phase 2												Phase 3												Phase 4						
PHASE:	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4
Discrete	Receptor ID (C	X	Y	(AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM	Net	eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM	eptor ID (C	X	Y	(AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM	eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM	Net ID
1	offsite	589514.99	4139264.85	1.31E-06	5.95	5.95	0	ANNUAL	DSTPH1	5		offsite	589514.99	4139264.85	3.24E-06	5.95	5.95	0	ANNUAL	DSTPH2	5	offsite	589514.99	4139264.85	0	5.95	5.95	0	ANNUAL	DSTPH3	5	offsite	589514.99	4139264.85	3.23E-06	5.95	5.95	0	ANNUAL	DSTPH4	5	
2	offsite	589614.99	4139264.85	1.32E-06	5.84	5.84	0	ANNUAL	DSTPH1	5		offsite	589614.99	4139264.85	3.37E-06	5.84	5.84	0	ANNUAL	DSTPH2	5	offsite	589614.99	4139264.85	0	5.84	5.84	0	ANNUAL	DSTPH3	5	offsite	589614.99	4139264.85	3.4E-06	5.84	5.84	0	ANNUAL	DSTPH4	5	
3	offsite	591314.99	4139264.85	6.27E-06	4.8	8.3	0	ANNUAL	DSTPH1	5		offsite	591314.99	4139264.85	1.7E-05	4.8	8.3	0	ANNUAL	DSTPH2	5	offsite	591314.99	4139264.85	0	4.8	8.3	0	ANNUAL	DSTPH3	5	offsite	591314.99	4139264.85	1.93E-05	4.8	8.3	0	ANNUAL	DSTPH4	5	
4	offsite	591414.99	4139264.85	7.58E-06	5.66	5.66	0	ANNUAL	DSTPH1	5		offsite	591414.99	4139264.85	1.97E-05	5.66	5.66	0	ANNUAL	DSTPH2	5	offsite	591414.99	4139264.85	0	5.66	5.66	0	ANNUAL	DSTPH3	5	offsite	591414.99	4139264.85	2.07E-05	5.66	5.66	0	ANNUAL	DSTPH4	5	
5	offsite	591514.99	4139264.85	8.97E-06	6.19	6.19	0	ANNUAL	DSTPH1	5		offsite	591514.99	4139264.85	2.22E-05	6.19	6.19	0	ANNUAL	DSTPH2	5	offsite	591514.99	4139264.85	0	6.19	6.19	0	ANNUAL	DSTPH3	5	offsite	591514.99	4139264.85	2.16E-05	6.19	6.19	0	ANNUAL	DSTPH4	5	
6	offsite	591614.99	4139264.85	1.03E-05	5.85	5.85	0	ANNUAL	DSTPH1	5		offsite	591614.99	4139264.85	2.45E-05	5.85	5.85	0	ANNUAL	DSTPH2	5	offsite	591614.99	4139264.85	0	5.85	5.85	0	ANNUAL	DSTPH3	5	offsite	591614.99	4139264.85	2.22E-05	5.85	5.85	0	ANNUAL	DSTPH4	5	
7	offsite	591714.99	4139264.85	1.14E-05	5.82	5.82	0	ANNUAL	DSTPH1	5		offsite	591714.99	4139264.85	2.64E-05	5.82	5.82	0	ANNUAL	DSTPH2	5	offsite	591714.99	4139264.85	0	5.82	5.82	0	ANNUAL	DSTPH3	5	offsite	591714.99	4139264.85	2.24E-05	5.82	5.82	0	ANNUAL	DSTPH4	5	
8	offsite	591814.99	4139264.85	1.23E-05	5.65	5.65	0	ANNUAL	DSTPH1	5		offsite	591814.99	4139264.85	2.78E-05	5.65	5.65	0	ANNUAL	DSTPH2	5	offsite	591814.99	4139264.85	0	5.65	5.65	0	ANNUAL	DSTPH3	5	offsite	591814.99	4139264.85	2.23E-05	5.65	5.65	0	ANNUAL	DSTPH4	5	
9	offsite	591914.99	4139264.85	1.28E-05	5.73	5.73	0	ANNUAL	DSTPH1	5		offsite	591914.99	4139264.85	2.86E-05	5.73	5.73	0	ANNUAL	DSTPH2	5	offsite	591914.99	4139264.85	0	5.73	5.73	0	ANNUAL	DSTPH3	5	offsite	591914.99	4139264.85	2.2E-05	5.73	5.73	0	ANNUAL	DSTPH4	5	
10	offsite	592014.99	4139264.85	1.31E-05	5.77	5.77	0	ANNUAL	DSTPH1	5		offsite	592014.99	4139264.85	2.9E-05	5.77	5.77	0	ANNUAL	DSTPH2	5	offsite	592014.99	4139264.85	0	5.77	5.77	0	ANNUAL	DSTPH3	5	offsite	592014.99	4139264.85	2.15E-05	5.77	5.77	0	ANNUAL	DSTPH4	5	
11	offsite	592114.99	4139264.85	1.31E-05	6.08	6.08	0	ANNUAL	DSTPH1	5		offsite	592114.99	4139264.85	2.9E-05	6.08	6.08	0	ANNUAL	DSTPH2	5	offsite	592114.99	4139264.85	0	6.08	6.08	0	ANNUAL	DSTPH3	5	offsite	592114.99	4139264.85	2.09E-05	6.08	6.08	0	ANNUAL	DSTPH4	5	
12	offsite	592214.99	4139264.85	1.29E-05	6.13	6.13	0	ANNUAL	DSTPH1	5		offsite	592214.99	4139264.85	2.86E-05	6.13	6.13	0	ANNUAL	DSTPH2	5	offsite	592214.99	4139264.85	0	6.13	6.13	0	ANNUAL	DSTPH3	5	offsite	592214.99	4139264.85	2.01E-05	6.13	6.13	0	ANNUAL	DSTPH4	5	
13	offsite	592314.99	4139264.85	1.25E-05	5.67	5.67	0	ANNUAL	DSTPH1	5		offsite	592314.99	4139264.85	2.79E-05	5.67	5.67	0	ANNUAL	DSTPH2	5	offsite	592314.99	4139264.85	0	5.67	5.67	0	ANNUAL	DSTPH3	5	offsite	592314.99	4139264.85	1.94E-05	5.67	5.67	0	ANNUAL	DSTPH4	5	
14	offsite	592414.99	4139264.85	1.2E-05	5.51	5.51	0	ANNUAL	DSTPH1	5		offsite	592414.99	4139264.85	2.71E-05	5.51	5.51	0	ANNUAL	DSTPH2	5	offsite	592414.99	4139264.85	0	5.51	5.51	0	ANNUAL	DSTPH3	5	offsite	592414.99	4139264.85	1.86E-05	5.51	5.51	0	ANNUAL	DSTPH4	5	
15	offsite	592514.99	4139264.85	1.15E-05	6.23	6.23	0	ANNUAL	DSTPH1	5		offsite	592514.99	4139264.85	2.61E-05	6.23	6.23	0	ANNUAL	DSTPH2	5	offsite	592514.99	4139264.85	0	6.23	6.23	0	ANNUAL	DSTPH3	5	offsite	592514.99	4139264.85	1.78E-05	6.23	6.23	0	ANNUAL	DSTPH4	5	
16	offsite	592614.99	4139264.85	1.09E-05	6.27	6.27	0	ANNUAL	DSTPH1	5		offsite	592614.99	4139264.85	2.5E-05	6.27	6.27	0	ANNUAL	DSTPH2	5	offsite	592614.99	4139264.85	0	6.27	6.27	0	ANNUAL	DSTPH3	5	offsite	592614.99	4139264.85	1.7E-05	6.27	6.27	0	ANNUAL	DSTPH4	5	
17	offsite	592714.99	4139264.85	1.03E-05	5.38	5.38	0	ANNUAL	DSTPH1	5		offsite	592714.99	4139264.85	2.39E-05	5.38	5.38	0	ANNUAL	DSTPH2	5	offsite	592714.99	4139264.85	0	5.38	5.38	0	ANNUAL	DSTPH3	5	offsite	592714.99	4139264.85	1.63E-05	5.38	5.38	0	ANNUAL	DSTPH4	5	
18	offsite	592814.99	4139264.85	9.77E-06	5.03	5.03	0	ANNUAL	DSTPH1	5		offsite	592814.99	4139264.85	2.28E-05	5.03	5.03	0	ANNUAL	DSTPH2	5	offsite	592814.99	4139264.85	0	5.03	5.03	0	ANNUAL	DSTPH3	5	offsite	592814.99	4139264.85	1.56E-05	5.03	5.03	0	ANNUAL	DSTPH4	5	
19	offsite	589514.99	4139364.85	1.46E-06	5.69	5.69	0	ANNUAL	DSTPH1	5		offsite	589514.99	4139364.85	3.49E-06	5.69	5.69	0	ANNUAL	DSTPH2	5	offsite	589514.99	4139364.85	0	5.69	5.69	0	ANNUAL	DSTPH3	5	offsite	589514.99	4139364.85	3.39E-06	5.69	5.69	0	ANNUAL	DSTPH4	5	
20	offsite	589614.99	4139364.85	1.47E-06	5.45	5.45	0	ANNUAL	DSTPH1	5		offsite	589614.99	4139364.85	3.59E-06	5.45	5.45	0	ANNUAL	DSTPH2	5	offsite	589614.99	4139364.85	0	5.45	5.45	0	ANNUAL	DSTPH3	5	offsite	589614.99	4139364.85	3.6E-06	5.45	5.45	0	ANNUAL	DSTPH4	5	
21	offsite	591314.99	4139364.85	7.63E-06	4.71	7.49	0	ANNUAL	DSTPH1	5		offsite	591314.99	4139364.85	2.03E-05	4.71	7.49	0	ANNUAL	DSTPH2	5	offsite	591314.99	4139364.85	0	4.71	7.49	0	ANNUAL	DSTPH3	5	offsite	591314.99	4139364.85	2.26E-05	4.71	7.49	0	ANNUAL	DSTPH4	5	
22	offsite	591414.99	4139364.85	9.32E-06	5.05	5.05	0	ANNUAL	DSTPH1	5		offsite	591414.99	4139364.85	2.35E-05	5.05	5.05	0	ANNUAL	DSTPH2	5	offsite	591414.99	4139364.85	0	5.05	5.05	0	ANNUAL	DSTPH3	5	offsite	591414.99	4139364.85	2.39E-05	5.05	5.05	0	ANNUAL	DSTPH4	5	
23	offsite	591514.99	4139364.85	1.1E-05	6.14	6.14	0	ANNUAL	DSTPH1	5		offsite	591514.99	4139364.85	2.65E-05	6.14	6.14	0	ANNUAL	DSTPH2	5	offsite	591514.99	4139364.85	0	6.14	6.14	0	ANNUAL	DSTPH3	5	offsite	591514.99	4139364.85	2.48E-05	6.14	6.14	0	ANNUAL	DSTPH4	5	
24	offsite	591614.99	4139364.85	1.26E-05	5.74	5.74	0	ANNUAL	DSTPH1	5		offsite	591614.99	4139364.85	2.9E-05	5.74	5.74	0	ANNUAL	DSTPH2	5	offsite	591614.99	4139364.85	0	5.74	5.74	0	ANNUAL	DSTPH3	5	offsite	591614.99	4139364.85	2.52E-05	5.74	5.74	0	ANNUAL	DSTPH4	5	
25	offsite	591714.99	4139364.85	1.38E-05	5.85	5.85	0	ANNUAL	DSTPH1	5		offsite	591714.99	4139364.85	3.09E-05	5.85	5.85	0	ANNUAL	DSTPH2	5	offsite	591714.99	4139364.85	0	5.85	5.85	0	ANNUAL	DSTPH3	5	offsite	591714.99	4139364.85	2.51E-05	5.85	5.85	0	ANNUAL	DSTPH4	5	
26	offsite	591814.99	4139364.85	1.47E-05	5.14	5.14	0	ANNUAL	DSTPH1	5		offsite	591814.99	4139364.85	3.22E-05	5.14	5.14	0	ANNUAL	DSTPH2	5	offsite	591814.99	4139364.85	0	5.14	5.14	0	ANNUAL	DSTPH3	5	offsite	591814.99	4139364.85	2.48E-05	5.14	5.14	0	ANNUAL	DSTPH4	5	
27	offsite	591914.99	4139364.85	1.51E-05	5.1	5.1	0	ANNUAL	DSTPH1	5		offsite	591914.99	4139364.85	3.28E-05	5.1	5.1	0	ANNUAL	DSTPH2	5	offsite	591914.99	4139364.85	0	5.1	5.1	0	ANNUAL	DSTPH3	5	offsite	591914.99	4139364.85	2.42E-05	5.1	5.1	0	ANNUAL	DSTPH4	5	
28	offsite	592014.99	4139364.85	1.52E-05	5.51	5.51	0	ANNUAL	DSTPH1	5		offsite	592014.99	4139364.85	3.29E-05	5.51	5.51	0	ANNUAL	DSTPH2	5	offsite	592014.99	4139364.85	0	5.51	5.51	0	ANNUAL	DSTPH3	5	offsite	592014.99	4139364.85	2.34E-05	5.51	5.51	0	ANNUAL	DSTPH4	5	
29	offsite	592114.99	4139364.85	1.49E-05	5.9	5.9	0	ANNUAL	DSTPH1	5		offsite	592114.99	4139364.85	3.24E-05	5.9	5.9	0	ANNUAL	DSTPH2	5	offsite	592114.99	4139364.85	0	5.9	5.9	0	ANNUAL	DSTPH3	5	offsite	592114.99	4139364.85	2.25E-05	5.9	5.9	0	ANNUAL	DSTPH4	5	
30	offsite	592214.99	4139364.85	1.45E-05	6.13	6.13	0	ANNUAL	DSTPH1	5		offsite	592214.99	4139364.85	3.16E-05	6.13	6.13	0	ANNUAL	DSTPH2	5	offsite	592214.99	4139364.85	0	6.13	6.13	0	ANNUAL	DSTPH3	5	offsite	592214.99	4139364.85	2.15E-05	6.13	6.13	0	ANNUAL	DSTPH4	5	
31	offsite	592314.99	4139364.85	1.39E-05	5.47	5.47	0	ANNUAL	DSTPH1	5		offsite	592314.99	4139364.85	3.06E-05	5.47	5.47	0	ANNUAL	DSTPH2	5	offsite	592314.99	4139364.85	0	5.47	5.47	0	ANNUAL	DSTPH3	5	offsite	592314.99	4139364.85	2.06E-05	5.47	5.47	0	ANNUAL	DSTPH4	5	
32	offsite	592414.99	4139364.85	1.32E-05	5.32	5.32	0	ANNUAL	DSTPH1	5		offsite	592414.99	4139364.85	2.93E-05	5.32	5.32	0	ANNUAL	DSTPH2	5	offsite	592414.99	4139364.85	0	5.32	5.32	0	ANNUAL	DSTPH3	5	offsite	592414.99	4139364.85	1.96E-05	5.32	5.32	0	ANNUAL	DSTPH4	5	
33	offsite	592514.99	4139364.85	1.24E-05	4.72	4.72	0	ANNUAL	DSTPH1	5		offsite	592514.99	4139364.85	2.8E-05	4.72	4.72	0	ANNUAL	DSTPH2	5	offsite	592514.99	4139364.85	0	4.72	4.72	0	ANNUAL	DSTPH3	5	offsite	592514.99	4139364.85	1.87E-05	4.72	4.72	0	ANNUAL	DSTPH4	5	
34	offsite	592614.99	4139364.85	1.17E-05	4.72	4.72	0	ANNUAL	DSTPH1	5		offsite	592614.99	4139364.85	2.67E-05	4.72	4.72	0	ANNUAL	DSTPH2	5	offsite	592614.99	4139364.85	0	4.72	4.72	0	ANNUAL	DSTPH3	5	offsite	592614.99	4139364.85	1.78E-05	4.72	4.72	0	ANNUAL	DSTPH4	5	
35	offsite	592714.99	4139364.85	1.1E-05	4.52	4.52	0	ANNUAL	DSTPH1	5		offsite	592714.99	4139364.85	2.53E-05	4.52	4.52	0	ANNUAL	DSTPH2	5	offsite	592714.99	4139364.85	0	4.52	4.52	0	ANNUAL	DSTPH3	5	offsite	592714.99	4139364.85	1.69E-05	4.52	4.52	0	ANNUAL	DSTPH4	5	
36	offsite	592814.99	4139364.85	1.03E-05	5.45	5.45	0	ANNUAL	DSTPH1	5		offsite	592814.99	4139364.85	2.4E-05	5.45	5.45	0	ANNUAL	DSTPH2	5	offsite	592814.99	4139364.85	0	5.45	5.45	0	ANNUAL	DSTPH3	5	offsite	592814.99	4139364.85	1.61E-05	5.45	5.45	0	ANNUAL	DSTPH4	5	
37	offsite	589514.99	4139464.85	1.65E-06	5.23	5.23	0	ANNUAL	DSTPH1	5		offsite	589514.99	4139464.85	3.83E-06	5.23	5.23	0	ANNUAL	DSTPH2	5	offsite	589514.99	4139464.85	0	5.23	5.23	0	ANNUAL	DSTPH3	5	offsite	589514.99	4139464.85	3.56E-06	5.23	5.23	0	ANNUAL	DSTPH4	5	
38	offsite	589614.99	4139464.85	1.66E-06	4.88	4.88	0	ANNUAL	DSTPH1	5		offsite	589614.99	4139464.85	3.91E-06	4.88	4.88	0	ANNUAL	DSTPH2	5	offsite	589614.99	4139464.85	0	4.88	4.88	0	ANNUAL	DSTPH3	5	offsite	589614.99	4139464.85	3.81E-06	4.88	4.88	0	ANNUAL	DSTPH4	5	
39	offsite	591314.99	4139464.85	9.52E-06	5.88	5.88	0	ANNUAL	DSTPH1	5		offsite	591314.99	4139464.85	2.47E-05	5.88	5.88	0	ANNUAL	DSTPH2	5	offsite	591314.99	4139464.85	0	5.88	5.88	0	ANNUAL	DSTPH3	5	offsite	591314.99	4139464.85	2.66E-05	5.88	5.88	0	ANNUAL	DSTPH4	5	
40	offsite	591414.99	4139464.85	1.17E-05	4.99	4.99	0	ANNUAL	DSTPH1	5		offsite	591414.99	4139464.85	2.86E-05	4.99	4.99	0	ANNUAL	DSTPH2	5	offsite	591414.99	4139464.85	0	4.99	4.99	0	ANNUAL	DSTPH3	5	offsite	591414.99	4139464.85	2.79E-05	4.99	4.99	0	ANNUAL	DSTPH4	5	
41	offsite	591514.99	4139464.85	1.39E-05	5.11	5.11	0	ANNUAL	DSTPH1	5		offsite	591514.99	4139464.85	3.2E-05	5.11	5.11	0	ANNUAL	DSTPH2	5	offsite	591514.99	4139464.85	0	5.11	5.11	0	ANNUAL	DSTPH3	5	offsite	591514.99	4139464.85	2.85E-05	5.11	5.11	0	ANNUAL	DSTPH4	5	
42	offsite	591614.99	4139464.85	1.57E-05	5.32	5.32	0	ANNUAL	DSTPH1	5		offsite	591614.99	4139464.85	3.47E-05	5.32	5.32	0	ANNUAL	DSTPH2	5	offsite	591614.99	4139464.85	0	5.32	5.32	0	ANNUAL	DSTPH3	5	offsite	591614.99	4139464.85	2.86E-05	5.32	5.32	0	ANNUAL	DSTPH4	5	
43	offsite	591714.99	4139464.85	1.7E-05	5.82	5.82	0	ANNUAL	DSTPH1	5		offsite	591714.99	4139464.85	3.66E-05	5.82	5.82	0	ANNUAL	DSTPH2	5	offsite	591714.99	4139464.85	0	5.82	5.82	0	ANNUAL	DSTPH3	5	offsite	591714.99	4139464.85	2.82E-05	5.82	5.82	0	ANNUAL	DSTPH4	5	
44	offsite	591814.99	4139464.85	1.77E-05	6.1	6.1	0	ANNUAL	DSTPH1	5		offsite	591814.99	4139464.85	3.75E-05	6.1	6.1	0	ANNUAL	DSTPH2	5	offsite	591814.99	4139464.85	0	6.1	6.1	0	ANNUAL	DSTPH3	5	offsite	591814.99	4139464.85	2.74E-05	6.1	6.1	0	ANNUAL	DSTPH4	5	
45	offsite	591914.99	4139464.85	1.79E-05	5.7	5.7	0	ANNUAL	DSTPH1	5		offsite	591914.99	4139464.85	3.77E-05	5.7	5.7	0	ANNUAL	DSTPH2	5	offsite	591914.99	4139464.85	0	5.7	5.7	0	ANNUAL	DSTPH3	5	offsite	591914.99	4139464.85	2.65E-05	5.7	5.7	0	ANNUAL	DSTPH4	5	
46	offsite	592014.99	4139464.85	1.76E-05	5.61	5.61	0	ANNUAL	DSTPH1	5		offsite	592014.99	4139464.85	3.73E-05	5.61	5.61	0	ANNUAL	DSTPH2	5	offsite	592014.99	4139464.85	0	5.61	5.61	0	ANNUAL	DSTPH3	5	offsite	592014.99	4139464.85	2.53E-05	5.61	5.61	0	ANNUAL	DSTPH4	5	
47	offsite	592114.99	4139464.85	1.7E-05	5.12	5.12	0	ANNUAL	DSTPH1	5		offsite	592114.99	4139464.85	3.63E-05	5.12	5.12	0	ANNUAL	DSTPH2	5	offsite	592114.99	4139464.85	0	5.12	5.12	0	ANNUAL	DSTPH3	5	offsite	592114.99	4139464.85	2.42E-05	5.12	5.12	0	ANNUAL	DSTPH4	5	
48	offsite	592214.99	4139464.85	1.62E-05	6.08	6.08	0	ANNUAL	DSTPH1	5		offsite	592214.99	4139464.85	3.49E-05	6.08	6.08	0	ANNUAL	DSTPH2	5	offsite	592214.99	4139464.85	0	6.08	6.08	0	ANNUAL	DSTPH3	5	offsite	592214.99	4139464.85	2.3E-05	6.08	6.08	0	ANNUAL	DSTPH4	5	
49	offsite	592314.99	4139464.85	1.53E-05	5.36	5.36	0	ANNUAL	DSTPH1	5		offsite	592314.99	4139464.85	3.34E-05	5.36	5.36	0	ANNUAL	DSTPH2	5	offsite	592314.99	4139464.85	0	5.36	5.36	0	ANNUAL	DSTPH3	5	offsite	592314.99	4139464.85	2.18E-05	5.36	5.36	0	ANNUAL	DSTPH4	5	
50	offsite	592414.99	4139464.85	1.43E-05	5.09	5.09	0	ANNUAL	DSTPH1	5		offsite	592414.99	4139464.85	3.17E-05	5.09	5.09	0	ANNUAL	DSTPH2	5	offsite	592414.99	4139464.85	0	5.09	5.09	0	ANNUAL	DSTPH3	5	offsite	592414.99	4139464.85	2.06E-05	5.09	5.09	0	ANNUAL	DSTPH4	5	
51	offsite	592514.99	4139464.85	1.34E-05	5.33	5.33	0	ANNUAL	DSTPH1	5		offsite	592514.99	4139464.85	3E-05	5.33	5.33	0	ANNUAL	DSTPH2	5	offsite	592514.99	4139464.85	0	5.33	5.33	0	ANNUAL	DSTPH3	5	offsite	592514.99	4139464.85	1.95E-05	5.33	5.33	0	ANNUAL	DSTPH4	5	
52	offsite	592614.99	4139464.85	1.24E-05	5.68	5.68	0	ANNUAL	DSTPH1	5		offsite	592614.99	4139464.85	2.83E-05	5.68	5.68	0	ANNUAL	DSTPH2	5	offsite	592614.99	4139464.85	0	5.68	5.68	0	ANNUAL	DSTPH3	5	offsite	592614.99	4139464.85	1.85E-05	5.68	5.68	0	ANNUAL	DSTPH4	5	
53	offsite	592714.99	4139464.85	1.15E-05	4.38	4.38	0	ANNUAL	DSTPH1	5		offsite	592714.99	4139464.85	2.66E-05	4.38	4.38	0	ANNUAL	DSTPH2	5	offsite	592714.99	4139464.85	0	4.38	4.38	0	ANNUAL	DSTPH3	5	offsite	592714.99	4139464.85	1.75E-05	4.38	4.38	0	ANNUAL	DSTPH4	5	
54	offsite	592814.99	4139464.85	1.07E-05	4.95	4.95	0	ANNUAL	DSTPH1	5		offsite	592814.99	4139464.85	2.5E-05	4.95	4.95	0	ANNUAL	DSTPH2	5	offsite	592814.99	4139464.85	0	4.95	4.95	0	ANNUAL	DSTPH3	5	offsite	592814.99	4139464.85	1.65E-05	4.95	4.95	0	ANNUAL	DSTPH4	5	
55	offsite	589514.99	4139564.85	1.88E-06	5.31	5.31	0	ANNUAL	DSTPH1	5		offsite	589514.99	4139564.85	4.29E-06	5.31	5.31	0	ANNUAL	DSTPH2	5	offsite	589514.99	4139564.85	0	5.31	5.31	0	ANNUAL	DSTPH3	5	offsite	589514.99	4139564.85	3.77E-06	5.31	5.31	0	ANNUAL	DSTPH4	5	
56	offsite	589614.99	4139564.85	1.91E-06	5.1	5.1	0	ANNUAL	DSTPH1	5		offsite	589614.99	4139564.85	4.35E-06	5.1	5.1	0	ANNUAL	DSTPH2	5	offsite	589614.99	4139564.85	0	5.1	5.1	0	ANNUAL	DSTPH3	5	offsite	589614.99	4139564.85	4.04E-06	5.1	5.1	0	ANNUAL	DSTPH4	5	
57	offsite	591314.99	4139564.85	1.23E-05	5.34	5.34	0	ANNUAL	DSTPH1	5		offsite	591314.99	4139564.85	3.07E-05	5.34	5.34	0	ANNUAL	DSTPH2	5	offsite	591314.99	4139564.85	0	5.34	5.34	0	ANNUAL	DSTPH3	5	offsite	591314.99	4139564.85	3.17E-05	5.34	5.34	0	ANNUAL	DSTPH4	5	
58	offsite	591414.99	4139564.85	1.51E-05	5	5	0	ANNUAL	DSTPH1	5		offsite	591414.99	4139564.85	3.53E-05	5	5	0	ANNUAL	DSTPH2	5	offsite	591414.99	4139564.85	0	5	5	0	ANNUAL	DSTPH3	5	offsite	591414.99	4139564.85	3.27E-05	5	5	0	ANNUAL	DSTPH4	5	
59	offsite	591514.99	4139564.85	1.78E-05	5.02	5.02	0	ANNUAL	DSTPH1	5		offsite	591514.99	4139564.85	3.92E-05	5.02	5.02	0	ANNUAL	DSTPH2	5	offsite	591514.99	4139564.85	0	5.02	5.02	0	ANNUAL	DSTPH3	5	offsite	591514.99	4139564.85	3.29E-05	5.02	5.02	0	ANNUAL	DSTPH4	5	
60	offsite	591614.99	4139564.85	1.98E-05	5.19	5.19	0	ANNUAL	DSTPH1	5		offsite	591614.99	4139564.85	4.19E-05	5.19	5.19	0	ANNUAL	DSTPH2	5	offsite	591614.99	4139564.85	0	5.19	5.19	0	ANNUAL	DSTPH3	5	offsite	591614.99	4139564.85	3.25E-05	5.19	5.19	0	ANNUAL	DSTPH4	5	
61	offsite	591714.99	4139564.85	2.1E-05	4.95	4.95	0	ANNUAL	DSTPH1	5		offsite	591714.99	4139564.85	4.35E-05	4.95	4.95	0	ANNUAL	DSTPH2	5	offsite	591714.99	4139564.85	0	4.95	4.95	0	ANNUAL	DSTPH3	5	offsite	591714.99	4139564.85	3.16E-05	4.95	4.95	0	ANNUAL	DSTPH4	5	
62	offsite	591814.99	4139564.85	2.15E-05	5.33	5.33	0	ANNUAL	DSTPH1	5		offsite	591814.99	4139564.85	4.4E-05	5.33	5.33	0	ANNUAL	DSTPH2	5	offsite	591814.99	4139564.85	0	5.33	5.33	0	ANNUAL	DSTPH3	5	offsite	591814.99	4139564.85	3.04E-05	5.33	5.33	0	ANNUAL	DSTPH4	5	
63	offsite	591914.99	4139564.85	2.12E-05	5.52	5.52	0	ANNUAL	DSTPH1	5		offsite	591914.99	4139564.85	4.35E-05	5.52	5.52	0	ANNUAL	DSTPH2	5	offsite	591914.99	4139564.85	0	5.52	5.52	0	ANNUAL	DSTPH3	5	offsite	591914.99	4139564.85	2.89E-05	5.52	5.52	0	ANNUAL	DSTPH4	5	
64	offsite	592014.99	4139564.85	2.04E-05	5.34	5.34	0	ANNUAL	DSTPH1	5		offsite	592014.99	4139564.85	4.23E-05	5.34	5.34	0	ANNUAL	DSTPH2	5	offsite	592014.99	4139564.85	0	5.34	5.34	0	ANNUAL	DSTPH3	5	offsite	592014.99	4139564.85	2.74E-05	5.34	5.34	0	ANNUAL	DSTPH4	5	
65	offsite	592114.99	4139564.85	1.94E-05	5.09	5.09	0	ANNUAL	DSTPH1	5		offsite	592114.99	4139564.85	4.05E-05	5.09	5.09	0	ANNUAL	DSTPH2	5	offsite	592114.99	4139564.85	0	5.09	5.09	0	ANNUAL	DSTPH3	5	offsite	592114.99	4139564.85	2.59E-05	5.09	5.09	0	ANNUAL	DSTPH4	5	
66	offsite	592214.99	4139564.85	1.81E-05	5.16	5.16	0	ANNUAL	DSTPH1	5		offsite	592214.99	4139564.85	3.85E-05	5.16	5.16	0	ANNUAL	DSTPH2	5	offsite	592214.99	4139564.85	0	5.16	5.16	0	ANNUAL	DSTPH3	5	offsite	592214.99	4139564.85	2.44E-05	5.16	5.16	0	ANNUAL	DSTPH4	5	
67	offsite	592314.99	4139564.85	1.68E-05	5.04	5.04	0	ANNUAL	DSTPH1	5		offsite	592314.99	4139564.85	3.63E-05	5.04	5.04	0	ANNUAL	DSTPH2	5	offsite	592314.99	4139564.85	0	5.04	5.04	0	ANNUAL	DSTPH3	5	offsite	592314.99	4139564.85	2.29E-05	5.04	5.04	0	ANNUAL	DSTPH4	5	
68	offsite	592414.99	4139564.85	1.55E-05	5.35	5.35	0	ANNUAL	DSTPH1	5		offsite	592414.99	4139564.85	3.41E-05	5.35	5.35	0	ANNUAL	DSTPH2	5	offsite	592414.99	4139564.85	0	5.35	5.35	0	ANNUAL	DSTPH3	5	offsite	592414.99	4139564.85	2.16E-05	5.35	5.35	0	ANNUAL	DSTPH4	5	
69	offsite	592514.99	4139564.85	1.42E-05	5.13	5.13	0	ANNUAL	DSTPH1	5		offsite	592514.99	4139564.85	3.19E-05	5.13	5.13	0	ANNUAL	DSTPH2	5	offsite	592514.99	4139564.85	0	5.13	5.13	0	ANNUAL	DSTPH3	5	offsite	592514.99	4139564.85	2.03E-05	5.13	5.13	0	ANNUAL	DSTPH4	5	
70	offsite	592614.99	4139564.85	1.3E-05	4.86	4.86	0	ANNUAL	DSTPH1	5		offsite	592614.99	4139564.85	2.98E-05	4.86	4.86	0	ANNUAL	DSTPH2	5	offsite	592614.99	4139564.85	0	4.86	4.86	0	ANNUAL	DSTPH3	5	offsite	592614.99	4139564.85	1.9E-05	4.86	4.86	0	ANNUAL	DSTPH4	5	
71	offsite	592714.99	4139564.85	1.19E-05	4.64	4.64	0	ANNUAL	DSTPH1	5		offsite	592714.99	4139564.85	2.78E-05	4.64	4.64	0	ANNUAL	DSTPH2	5	offsite	592714.99	4139564.85	0	4.64	4.64	0	ANNUAL	DSTPH3	5	offsite	592714.99	4139564.85	1.79E-05	4.64	4.64	0	ANNUAL	DSTPH4	5	
72	offsite	592814.99	4139564.85	1.1E-05	4.78	4.78	0	ANNUAL	DSTPH1	5		offsite	592814.99	4139564.85	2.59E-05	4.78	4.78	0	ANNUAL	DSTPH2	5	offsite	592814.99	4139564.85	0	4.78	4.78	0	ANNUAL	DSTPH3	5	offsite	592814.99	4139564.85	1.68E-05	4.78	4.78	0	ANNUAL	DSTPH4	5	
73	offsite	589514.99	4139664.85	2.14E-06	4.97	4.97	0	ANNUAL	DSTPH1	5		offsite	589514.99	4139664.85	4.87E-06	4.97	4.97	0	ANNUAL	DSTPH2	5	offsite	589514.99	4139664.85	0	4.97	4.97	0	ANNUAL	DSTPH3	5	offsite	589514.99	4139664.85	4.05E-06	4.97	4.97	0	ANNUAL	DSTPH4	5	
74	offsite	589614.99	4139664.85	2.19E-06	4.87	4.87	0	ANNUAL	DSTPH1	5		offsite	589614.99	4139664.85	4.93E-06	4.87	4.87	0	ANNUAL	DSTPH2	5	offsite	589614.99	4139664.85	0	4.87	4.87	0	ANNUAL	DSTPH3	5	offsite	589614.99	4139664.85	4.32E-06	4.87	4.87	0	ANNUAL	DSTPH4	5	
75	offsite	591214.99	4139664.85	1.25E-05	4.69	7.97	0	ANNUAL	DSTPH1	5		offsite	591214.99	4139664.85	3.29E-05	4.69	7.97	0	ANNUAL	DSTPH2	5	offsite	591214.99	4139664.85	0	4.69	7.97	0	ANNUAL	DSTPH3	5	offsite	591214.99	4139664.85	3.63E-05	4.69	7.97	0	ANNUAL	DSTPH4	5	
76	offsite	591314.99	4139664.85	1.63E-05	5.55	5.55	0	ANNUAL	DSTPH1	5		offsite	591314.99	4139664.85	3.91E-05	5.55	5.55	0	ANNUAL	DSTPH2	5	offsite	591314.99	4139664.85	0	5.55	5.55	0	ANNUAL	DSTPH3	5	offsite	591314.99	4139664.85	3.8E-05	5.55	5.55	0	ANNUAL	DSTPH4	5	
77	offsite	591414.99	4139664.85	2.02E-05	4.66	4.66	0	ANNUAL	DSTPH1	5		offsite	591414.99	4139664.85	4.45E-05	4.66	4.66	0	ANNUAL	DSTPH2	5	offsite	591414.99	4139664.85	0	4.66	4.66	0	ANNUAL	DSTPH3	5	offsite	591414.99	4139664.85	3.86E-05	4.66	4.66	0	ANNUAL	DSTPH4	5	
78	offsite	591514.99	4139664.85	2.34E-05	5.44	5.44	0	ANNUAL	DSTPH1	5		offsite	591514.99	4139664.85	4.86E-05	5.44	5.44	0	ANNUAL	DSTPH2	5	offsite	591514.99	4139664.85	0	5.44	5.44	0	ANNUAL	DSTPH3	5	offsite	591514.99	4139664.85	3.81E-05	5.44	5.44	0	ANNUAL	DSTPH4	5	
79	offsite	591614.99	4139664.85	2.55E-05	4.97	4.97	0	ANNUAL	DSTPH1	5		offsite	591614.99	4139664.85	5.11E-05	4.97	4.97	0	ANNUAL	DSTPH2	5	offsite	591614.99	4139664.85	0	4.97	4.97	0	ANNUAL	DSTPH3	5	offsite	591614.99	4139664.85	3.7E-05	4.97	4.97	0	ANNUAL	DSTPH4	5	
80	offsite	591714.99	4139664.85	2.63E-05	4.9	4.9	0	ANNUAL	DSTPH1	5		offsite	591714.99	4139664.85	5.21E-05	4.9	4.9	0	ANNUAL	DSTPH2	5	offsite	591714.99	4139664.85	0	4.9	4.9	0	ANNUAL	DSTPH3	5	offsite	591714.99	4139664.85	3.54E-05	4.9	4.9	0	ANNUAL	DSTPH4	5	
81	offsite	591814.99	4139664.85	2.61E-05	4.95	4.95	0	ANNUAL	DSTPH1	5		offsite	591814.99	4139664.85	5.16E-05	4.95	4.95	0	ANNUAL	DSTPH2	5	offsite	591814.99	4139664.85	0	4.95	4.95	0	ANNUAL	DSTPH3	5	offsite	591814.99	4139664.85	3.35E-05	4.95	4.95	0	ANNUAL	DSTPH4	5	
82	offsite	591914.99	4139664.85	2.51E-05	5.06	5.06	0	ANNUAL	DSTPH1	5		offsite	591914.99	4139664.85	5.01E-05	5.06	5.06	0	ANNUAL	DSTPH2	5	offsite	591914.99	4139664.85	0	5.06	5.06	0	ANNUAL	DSTPH3	5	offsite	591914.99	4139664.85	3.15E-05	5.06	5.06	0	ANNUAL	DSTPH4	5	
83	offsite	592014.99	4139664.85	2.36E-05	4.36	4.36	0	ANNUAL	DSTPH1	5		offsite	592014.99	4139664.85	4.78E-05	4.36	4.36	0	ANNUAL	DSTPH2	5	offsite	592014.99	4139664.85	0	4.36	4.36	0	ANNUAL	DSTPH3	5	offsite	592014.99	4139664.85	2.95E-05	4.36	4.36	0	ANNUAL	DSTPH4	5	
84	offsite	592114.99	4139664.85	2.18E-05	4.87	4.87	0	ANNUAL	DSTPH1	5		offsite	592114.99	4139664.85	4.51E-05	4.87	4.87	0	ANNUAL	DSTPH2	5	offsite	592114.99	4139664.85	0	4.87	4.87	0	ANNUAL	DSTPH3	5	offsite	592114.99	4139664.85	2.75E-05	4.87	4.87	0	ANNUAL	DSTPH4	5	
85	offsite	592214.99	4139664.85	2E-05	4.83	4.83	0	ANNUAL	DSTPH1	5		offsite	592214.99	4139664.85	4.21E-05	4.83	4.83	0	ANNUAL	DSTPH2	5	offsite	592214.99	4139664.85	0	4.83	4.83	0	ANNUAL	DSTPH3	5	offsite	592214.99	4139664.85	2.57E-05	4.83	4.83	0	ANNUAL	DSTPH4	5	
86	offsite	592314.99	4139664.85	1.81E-05	4.73	4.73	0	ANNUAL	DSTPH1	5		offsite	592314.99	4139664.85	3.92E-05	4.73	4.73	0	ANNUAL	DSTPH2	5	offsite	592314.99	4139664.85	0	4.73	4.73	0	ANNUAL	DSTPH3	5	offsite	592314.99	4139664.85	2.39E-05	4.73	4.73	0	ANNUAL	DSTPH4	5	
87	offsite	592414.99	4139664.85	1.64E-05	5.21	5.21	0	ANNUAL	DSTPH1	5		offsite	592414.99	4139664.85	3.63E-05	5.21	5.21	0	ANNUAL	DSTPH2	5	offsite	592414.99	4139664.85	0	5.21	5.21	0	ANNUAL	DSTPH3	5	offsite	592414.99	4139664.85	2.23E-05	5.21	5.21	0	ANNUAL	DSTPH4	5	
88	offsite	592514.99	4139664.85	1.49E-05	4.6	4.6	0	ANNUAL	DSTPH1	5		offsite	592514.99	4139664.85	3.35E-05	4.6	4.6	0	ANNUAL	DSTPH2	5	offsite	592514.99	4139664.85	0	4.6	4.6	0	ANNUAL	DSTPH3	5	offsite	592514.99	4139664.85	2.08E-05	4.6	4.6	0	ANNUAL	DSTPH4	5	
89	offsite	592614.99	4139664.85	1.34E-05	4.83	4.83	0	ANNUAL	DSTPH1	5		offsite	592614.99	4139664.85	3.1E-05	4.83	4.83	0	ANNUAL	DSTPH2	5	offsite	592614.99	4139664.85	0	4.83	4.83	0	ANNUAL	DSTPH3	5	offsite	592614.99	4139664.85	1.94E-05	4.83	4.83	0	ANNUAL	DSTPH4	5	
90	offsite	592714.99	4139664.85	1.22E-05	5.03	5.03	0	ANNUAL	DSTPH1	5		offsite	592714.99	4139664.85	2.86E-05	5.03	5.03	0	ANNUAL	DSTPH2	5	offsite	592714.99	4139664.85	0	5.03	5.03	0	ANNUAL	DSTPH3	5	offsite	592714.99	4139664.85	1.81E-05	5.03	5.03	0	ANNUAL	DSTPH4	5	
91	offsite	592814.99	4139664.85	1.11E-05	4.38	4.38	0	ANNUAL	DSTPH1	5		offsite	592814.99	4139664.85	2.65E-05	4.38	4.38	0	ANNUAL	DSTPH2	5	offsite	592814.99	4139664.85	0	4.38	4.38	0	ANNUAL	DSTPH3	5	offsite	592814.99	4139664.85	1.69E-05	4.38	4.38	0	ANNUAL	DSTPH4	5	
92	offsite	589514.99	4139764.85	2.39E-06	4.95	4.95	0	ANNUAL	DSTPH1	5		offsite	589514.99	4139764.85	5.59E-06	4.95	4.95	0	ANNUAL	DSTPH2	5	offsite	589514.99	4139764.85	0	4.95	4.95	0	ANNUAL	DSTPH3	5	offsite	589514.99	4139764.85	4.46E-06	4.95	4.95	0	ANNUAL	DSTPH4	5	
93	offsite	589614.99	4139764.85	2.48E-06	5.53	5.53	0	ANNUAL	DSTPH1	5		offsite	589614.99	4139764.85	5.69E-06	5.53	5.53	0	ANNUAL	DSTPH2	5	offsite	589614.99	4139764.85	0	5.53	5.53	0	ANNUAL	DSTPH3	5	offsite	589614.99	4139764.85	4.71E-06	5.53	5.53	0	ANNUAL	DSTPH4	5	
94	offsite	591414.99	4139764.85	2.79E-05	5.13	5.13	0	ANNUAL	DSTPH1	5		offsite	591414.99	4139764.85	5.71E-05	5.13	5.13	0	ANNUAL	DSTPH2	5	offsite	591414.99	4139764.85	0	5.13	5.13	0	ANNUAL	DSTPH3	5	offsite	591414.99	4139764.85	4.56E-05	5.13	5.13	0	ANNUAL	DSTPH4	5	
95	offsite	591514.99	4139764.85	3.15E-05	5.55	5.55	0	ANNUAL	DSTPH1	5		offsite	591514.99	4139764.85	6.11E-05	5.55	5.55	0	ANNUAL	DSTPH2	5	offsite	591514.99	4139764.85	0	5.55	5.55	0	ANNUAL	DSTPH3	5	offsite	591514.99	4139764.85	4.41E-05	5.55	5.55	0	ANNUAL	DSTPH4	5	
96	offsite	591614.99	4139764.85	3.32E-05	4.47	4.47	0	ANNUAL	DSTPH1	5		offsite	591614.99	4139764.85	6.29E-05	4.47	4.47	0	ANNUAL	DSTPH2	5	offsite	591614.99	4139764.85	0	4.47	4.47	0	ANNUAL	DSTPH3	5	offsite	591614.99	4139764.85	4.19E-05	4.47	4.47	0	ANNUAL	DSTPH4	5	
97	offsite	591714.99	4139764.85	3.32E-05	4.87	4.87	0	ANNUAL	DSTPH1	5		offsite	591714.99	4139764.85	6.25E-05	4.87	4.87	0	ANNUAL	DSTPH2	5	offsite	591714.99	4139764.85	0	4.87	4.87	0	ANNUAL	DSTPH3	5	offsite	591714.99	4139764.85	3.94E-05	4.87	4.87	0	ANNUAL	DSTPH4	5	
98	offsite	591814.99	4139764.85	3.18E-05	4.36	4.36	0	ANNUAL	DSTPH1	5		offsite	591814.99	4139764.85	6.06E-05	4.36	4.36	0	ANNUAL	DSTPH2	5	offsite	591814.99	4139764.85	0	4.36	4.36	0	ANNUAL	DSTPH3	5	offsite	591814.99	4139764.85	3.67E-05	4.36	4.36	0	ANNUAL	DSTPH4	5	
99	offsite	591914.99	4139764.85	2.96E-05	4.89	4.89	0	ANNUAL	DSTPH1	5		offsite	591914.99	4139764.85	5.75E-05	4.89	4.89	0	ANNUAL	DSTPH2	5	offsite	591914.99	4139764.85	0	4.89	4.89	0	ANNUAL	DSTPH3	5	offsite	591914.99	4139764.85	3.4E-05	4.89	4.89	0	ANNUAL	DSTPH4	5	
100	offsite	592014.99	4139764.85	2.7E-05	4.91	4.91	0	ANNUAL	DSTPH1	5		offsite	592014.99	4139764.85	5.37E-05	4.91	4.91	0	ANNUAL	DSTPH2	5	offsite	592014.99	4139764.85	0	4.91	4.91	0	ANNUAL	DSTPH3	5	offsite	592014.99	4139764.85	3.14E-05	4.91	4.91	0	ANNUAL	DSTPH4	5	
101	offsite	592114.99	4139764.85	2.42E-05	4.63	4.63	0	ANNUAL	DSTPH1	5		offsite	592114.99	4139764.85	4.97E-05	4.63	4.63	0	ANNUAL	DSTPH2	5	offsite	592114.99	4139764.85	0	4.63	4.63	0	ANNUAL	DSTPH3	5	offsite	592114.99	4139764.85	2.9E-05	4.63	4.63	0	ANNUAL	DSTPH4	5	
102	offsite	592214.99	4139764.85	2.16E-05	4.4	4.4	0	ANNUAL	DSTPH1	5		offsite	592214.99	4139764.85	4.56E-05	4.4	4.4	0	ANNUAL	DSTPH2	5	offsite	592214.99	4139764.85	0	4.4	4.4	0	ANNUAL	DSTPH3	5	offsite	592214.99	4139764.85	2.67E-05	4.4	4.4	0	ANNUAL	DSTPH4	5	
103	offsite	592314.99	4139764.85	1.92E-05	4.39	4.39	0	ANNUAL	DSTPH1	5		offsite	592314.99	4139764.85	4.18E-05	4.39	4.39	0	ANNUAL	DSTPH2	5	offsite	592314.99	4139764.85	0	4.39	4.39	0	ANNUAL	DSTPH3	5	offsite	592314.99	4139764.85	2.47E-05	4.39	4.39	0	ANNUAL	DSTPH4	5	
104	offsite	592414.99	4139764.85	1.71E-05	4.36	4.36	0	ANNUAL	DSTPH1	5		offsite	592414.99	4139764.85	3.81E-05	4.36	4.36	0	ANNUAL	DSTPH2	5	offsite	592414.99	4139764.85	0	4.36	4.36	0	ANNUAL	DSTPH3	5	offsite	592414.99	4139764.85	2.28E-05	4.36	4.36	0	ANNUAL	DSTPH4	5	
105	offsite	592514.99	4139764.85	1.52E-05	3.88	3.88	0	ANNUAL	DSTPH1	5		offsite	592514.99	4139764.85	3.48E-05	3.88	3.88	0	ANNUAL	DSTPH2	5	offsite	592514.99	4139764.85	0	3.88	3.88	0	ANNUAL	DSTPH3	5	offsite	592514.99	4139764.85	2.1E-05	3.88	3.88	0	ANNUAL	DSTPH4	5	
106	offsite	592614.99	4139764.85	1.36E-05	4.21	4.21	0	ANNUAL	DSTPH1	5		offsite	592614.99	4139764.85	3.18E-05	4.21	4.21	0	ANNUAL	DSTPH2	5	offsite	592614.99	4139764.85	0	4.21	4.21	0	ANNUAL	DSTPH3	5	offsite	592614.99	4139764.85	1.95E-05	4.21	4.21	0	ANNUAL	DSTPH4	5	
107	offsite	592714.99	4139764.85	1.22E-05	4.4	4.4	0	ANNUAL	DSTPH1	5		offsite	592714.99	4139764.85	2.91E-05	4.4	4.4	0	ANNUAL	DSTPH2	5	offsite	592714.99	4139764.85	0	4.4	4.4	0	ANNUAL	DSTPH3	5	offsite	592714.99	4139764.85	1.8E-05	4.4	4.4	0	ANNUAL	DSTPH4	5	
108	offsite	592814.99	4139764.85	1.09E-05	4.67	4.67	0	ANNUAL	DSTPH1	5		offsite	592814.99	4139764.85	2.67E-05	4.67	4.67	0	ANNUAL	DSTPH2	5	offsite	592814.99	4139764.85	0	4.67	4.67	0	ANNUAL	DSTPH3	5	offsite	592814.99	4139764.85	1.68E-05	4.67	4.67	0	ANNUAL	DSTPH4	5	
109	offsite	589514.99	4139864.85	2.64E-06	4.25	4.25	0	ANNUAL	DSTPH1	5		offsite	589514.99	4139864.85	6.39E-06	4.25	4.25	0	ANNUAL	DSTPH2	5	offsite	589514.99	4139864.85	0	4.25	4.25	0	ANNUAL	DSTPH3	5	offsite	589514.99	4139864.85	5.07E-06	4.25	4.25	0	ANNUAL	DSTPH4	5	
110	offsite	589614.99	4139864.85	2.77E-06	5.04	5.04	0	ANNUAL	DSTPH1	5		offsite	589614.99	4139864.85	6.59E-06	5.04	5.04	0	ANNUAL	DSTPH2	5	offsite	589614.99	4139864.85	0	5.04	5.04	0	ANNUAL	DSTPH3	5	offsite	589614.99	4139864.85	5.29E-06	5.04	5.04	0	ANNUAL	DSTPH4	5	
111	offsite	591514.99	4139864.85	4.34E-05	5.06	5.06	0	ANNUAL	DSTPH1	5		offsite	591514.99	4139864.85	7.78E-05	5.06	5.06	0	ANNUAL	DSTPH2	5	offsite	591514.99	4139864.85	0	5.06	5.06	0	ANNUAL	DSTPH3	5	offsite	591514.99	4139864.85	5.08E-05	5.06	5.06	0	ANNUAL	DSTPH4	5	
112	offsite	591614.99	4139864.85	4.38E-05	4.53	4.53	0	ANNUAL	DSTPH1	5		offsite	591614.99	4139864.85	7.77E-05	4.53	4.53	0	ANNUAL	DSTPH2	5	offsite	591614.99	4139864.85	0	4.53	4.53	0	ANNUAL	DSTPH3	5	offsite	591614.99	4139864.85	4.72E-05	4.53	4.53	0	ANNUAL	DSTPH4	5	
113	offsite	591714.99	4139864.85	4.18E-05	4.68	4.68	0	ANNUAL	DSTPH1	5		offsite	591714.99	4139864.85	7.51E-05	4.68	4.68	0	ANNUAL	DSTPH2	5	offsite	591714.99	4139864.85	0	4.68	4.68	0	ANNUAL	DSTPH3	5	offsite	591714.99	4139864.85	4.34E-05	4.68	4.68	0	ANNUAL	DSTPH4	5	
114	offsite	591814.99	4139864.85	3.84E-05	4.54	4.54	0	ANNUAL	DSTPH1	5		offsite	591814.99	4139864.85	7.08E-05	4.54	4.54	0	ANNUAL	DSTPH2	5	offsite	591814.99	4139864.85	0	4.54	4.54	0	ANNUAL	DSTPH3	5	offsite	591814.99	4139864.85	3.97E-05	4.54	4.54	0	ANNUAL	DSTPH4	5	
115	offsite	591914.99	4139864.85	3.43E-05	4.67	4.67	0	ANNUAL	DSTPH1	5		offsite	591914.99	4139864.85	6.54E-05	4.67	4.67	0	ANNUAL	DSTPH2	5	offsite	591914.99	4139864.85	0	4.67	4.67	0	ANNUAL	DSTPH3	5	offsite	591914.99	4139864.85	3.62E-05	4.67	4.67	0	ANNUAL	DSTPH4	5	
116	offsite	592014.99	4139864.85	3.01E-05	4.49	4.49	0	ANNUAL	DSTPH1	5		offsite	592014.99	4139864.85	5.97E-05	4.49	4.49	0	ANNUAL	DSTPH2	5	offsite	592014.99	4139864.85	0	4.49	4.49	0	ANNUAL	DSTPH3	5	offsite	592014.99	4139864.85	3.3E-05	4.49	4.49	0	ANNUAL	DSTPH4	5	
117	offsite	592114.99	4139864.85	2.63E-05	4.37	4.37	0	ANNUAL	DSTPH1	5		offsite	592114.99	4139864.85	5.4E-05	4.37	4.37	0	ANNUAL	DSTPH2	5	offsite	592114.99	4139864.85	0	4.37	4.37	0	ANNUAL	DSTPH3	5	offsite	592114.99	4139864.85	3.01E-05	4.37	4.37	0	ANNUAL	DSTPH4	5	
118	offsite	592214.99	4139864.85	2.28E-05	4.47	4.47	0	ANNUAL	DSTPH1	5		offsite	592214.99	4139864.85	4.87E-05	4.47	4.47	0	ANNUAL	DSTPH2	5	offsite	592214.99	4139864.85	0	4.47	4.47	0	ANNUAL	DSTPH3	5	offsite	592214.99	4139864.85	2.74E-05	4.47	4.47	0	ANNUAL	DSTPH4	5	
119	offsite	592314.99	4139864.85	1.99E-05	4.32	4.32	0	ANNUAL	DSTPH1	5		offsite	592314.99	4139864.85	4.38E-05	4.32	4.32	0	ANNUAL	DSTPH2	5	offsite	592314.99	4139864.85	0	4.32	4.32	0	ANNUAL	DSTPH3	5	offsite	592314.99	4139864.85	2.5E-05	4.32	4.32	0	ANNUAL	DSTPH4	5	
120	offsite	592414.99	4139864.85	1.73E-05	4.4	4.4	0	ANNUAL	DSTPH1	5		offsite	592414.99	4139864.85	3.94E-05	4.4	4.4	0	ANNUAL	DSTPH2	5	offsite	592414.99	4139864.85	0	4.4	4.4	0	ANNUAL	DSTPH3	5	offsite	592414.99	4139864.85	2.29E-05	4.4	4.4	0	ANNUAL	DSTPH4	5	

Phase 1

PHASE:	1	1	1	1	1	1	1	1	1	1	1
	Discrete Receptor ID (C	X	Y	(AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFLA	gin Period	ce Group (	Years (NUM	Net
121	offsite	592514.99	4139864.85	1.52E-05	4.41	4.41	0	ANNUAL	DSTPH1	5	
122	offsite	592614.99	4139864.85	1.34E-05	4.24	4.24	0	ANNUAL	DSTPH1	5	
123	offsite	592714.99	4139864.85	1.18E-05	4.3	4.3	0	ANNUAL	DSTPH1	5	
124	offsite	592814.99	4139864.85	1.06E-05	4.04	4.04	0	ANNUAL	DSTPH1	5	
125	offsite	589514.99	4139964.85	2.91E-06	4.32	4.32	0	ANNUAL	DSTPH1	5	
126	offsite	589614.99	4139964.85	3.09E-06	5.09	5.09	0	ANNUAL	DSTPH1	5	
127	offsite	591714.99	4139964.85	5.2E-05	4.71	4.71	0	ANNUAL	DSTPH1	5	
128	offsite	591814.99	4139964.85	4.52E-05	4.87	4.87	0	ANNUAL	DSTPH1	5	
129	offsite	591914.99	4139964.85	3.85E-05	4.64	4.64	0	ANNUAL	DSTPH1	5	
130	offsite	592014.99	4139964.85	3.26E-05	4.55	4.55	0	ANNUAL	DSTPH1	5	
131	offsite	592114.99	4139964.85	2.75E-05	4.39	4.39	0	ANNUAL	DSTPH1	5	
132	offsite	592214.99	4139964.85	2.32E-05	4.23	4.23	0	ANNUAL	DSTPH1	5	
133	offsite	592314.99	4139964.85	1.98E-05	4.53	4.53	0	ANNUAL	DSTPH1	5	
134	offsite	592414.99	4139964.85	1.7E-05	4.2	4.2	0	ANNUAL	DSTPH1	5	
135	offsite	592514.99	4139964.85	1.47E-05	4.7	4.7	0	ANNUAL	DSTPH1	5	
136	offsite	592614.99	4139964.85	1.28E-05	4.34	4.34	0	ANNUAL	DSTPH1	5	
137	offsite	592714.99	4139964.85	1.13E-05	3.76	3.76	0	ANNUAL	DSTPH1	5	
138	offsite	592814.99	4139964.85	1E-05	4.47	4.47	0	ANNUAL	DSTPH1	5	
139	offsite	589514.99	4140064.85	3.26E-06	4.9	4.9	0	ANNUAL	DSTPH1	5	
140	offsite	589614.99	4140064.85	3.47E-06	5.47	5.47	0	ANNUAL	DSTPH1	5	
141	offsite	591714.99	4140064.85	6.26E-05	4.31	4.31	0	ANNUAL	DSTPH1	5	
142	offsite	591814.99	4140064.85	5.11E-05	3.8	3.8	0	ANNUAL	DSTPH1	5	
143	offsite	591914.99	4140064.85	4.14E-05	4.28	4.28	0	ANNUAL	DSTPH1	5	
144	offsite	592014.99	4140064.85	3.36E-05	4.29	4.29	0	ANNUAL	DSTPH1	5	
145	offsite	592114.99	4140064.85	2.74E-05	4.38	4.38	0	ANNUAL	DSTPH1	5	
146	offsite	592214.99	4140064.85	2.27E-05	4.26	4.26	0	ANNUAL	DSTPH1	5	
147	offsite	592314.99	4140064.85	1.9E-05	4.19	4.19	0	ANNUAL	DSTPH1	5	
148	offsite	592414.99	4140064.85	1.61E-05	4.04	4.04	0	ANNUAL	DSTPH1	5	
149	offsite	592514.99	4140064.85	1.38E-05	4.2	4.2	0	ANNUAL	DSTPH1	5	
150	offsite	592614.99	4140064.85	1.2E-05	3.86	3.86	0	ANNUAL	DSTPH1	5	
151	offsite	592714.99	4140064.85	1.05E-05	5.97	5.97	0	ANNUAL	DSTPH1	5	
152	offsite	592814.99	4140064.85	9.34E-06	5.6	5.6	0	ANNUAL	DSTPH1	5	
153	offsite	591714.99	4140164.85	7.14E-05	4.3	4.3	0	ANNUAL	DSTPH1	5	
154	offsite	591814.99	4140164.85	5.43E-05	3.26	3.26	0	ANNUAL	DSTPH1	5	
155	offsite	591914.99	4140164.85	4.17E-05	3.76	3.76	0	ANNUAL	DSTPH1	5	
156	offsite	592014.99	4140164.85	3.26E-05	3.28	3.28	0	ANNUAL	DSTPH1	5	
157	offsite	592114.99	4140164.85	2.6E-05	3.78	3.78	0	ANNUAL	DSTPH1	5	
158	offsite	592214.99	4140164.85	2.12E-05	4.36	4.36	0	ANNUAL	DSTPH1	5	
159	offsite	592314.99	4140164.85	1.76E-05	4.42	4.42	0	ANNUAL	DSTPH1	5	
160	offsite	592414.99	4140164.85	1.48E-05	4.33	4.33	0	ANNUAL	DSTPH1	5	
161	offsite	592514.99	4140164.85	1.27E-05	3.81	3.81	0	ANNUAL	DSTPH1	5	
162	offsite	592614.99	4140164.85	1.1E-05	4.09	4.09	0	ANNUAL	DSTPH1	5	
163	offsite	592714.99	4140164.85	9.73E-06	5.39	5.39	0	ANNUAL	DSTPH1	5	
164	offsite	592814.99	4140164.85	8.65E-06	5.98	8.59	0	ANNUAL	DSTPH1	5	
165	park	591314.99	4140264.85	0.00028	3.69	3.69	0	ANNUAL	DSTPH1	5	
166	park	591414.99	4140264.85	0.000215	3.9	3.9	0	ANNUAL	DSTPH1	5	
167	offsite	591614.99	4140264.85	0.000108	4.68	4.68	0	ANNUAL	DSTPH1	5	
168	offsite	591714.99	4140264.85	7.46E-05	4.7	4.7	0	ANNUAL	DSTPH1	5	
169	offsite	591814.99	4140264.85	5.28E-05	3.4	3.4	0	ANNUAL	DSTPH1	5	
170	park	591914.99	4140264.85	3.89E-05	3.76	3.76	0	ANNUAL	DSTPH1	5	
171	offsite	592014.99	4140264.85	2.98E-05	2.83	2.83	0	ANNUAL	DSTPH1	5	
172	offsite	592114.99	4140264.85	2.35E-05	4.36	4.36	0	ANNUAL	DSTPH1	5	
173	offsite	592214.99	4140264.85	1.91E-05	4.3	4.3	0	ANNUAL	DSTPH1	5	
174	offsite	592314.99	4140264.85	1.59E-05	4.16	4.16	0	ANNUAL	DSTPH1	5	
175	offsite	592414.99	4140264.85	1.34E-05	3.7	3.7	0	ANNUAL	DSTPH1	5	
176	offsite	592514.99	4140264.85	1.16E-05	4	4	0	ANNUAL	DSTPH1	5	
177	offsite	592614.99	4140264.85	1.01E-05	4.5	4.5	0	ANNUAL	DSTPH1	5	
178	path	592714.99	4140264.85	8.97E-06	5.93	5.93	0	ANNUAL	DSTPH1	5	
179	path	592814.99	4140264.85	8.03E-06	4.99	4.99	0	ANNUAL	DSTPH1	5	
180	Phase2	590914.99	4140364.85	0.000259	5.6	5.6	0	ANNUAL	DSTPH1	5	
181	Phase1	591014.99	4140364.85	0.002706	5.56	5.56	0	ANNUAL	DSTPH1	5	
182	Phase1	591114.99	4140364.85	0.00309	3.53	3.53	0	ANNUAL	DSTPH1	5	
183	Phase1	591214.99	4140364.85	0.002824	5.18	5.18	0	ANNUAL	DSTPH1	5	
184	park	591414.99	4140364.85	0.000361	3.98	12.8	0	ANNUAL	DSTPH1	5	
185	offsite	591614.99	4140364.85	0.000111	4.54	4.54	0	ANNUAL	DSTPH1	5	
186	school	591714.99	4140364.85	6.85E-05	4.71	4.71	0	ANNUAL	DSTPH1	5	
187	school	591814.99	4140364.85	4.66E-05	3.33	3.33	0	ANNUAL	DSTPH1	5	
188	school	591914.99	4140364.85	3.39E-05	3.51	3.51	0	ANNUAL	DSTPH1	5	
189	offsite	592014.99	4140364.85	2.6E-05	3.31	3.31	0	ANNUAL	DSTPH1	5	
190	offsite	592114.99	4140364.85	2.07E-05	2.88	2.88	0	ANNUAL	DSTPH1	5	
191	offsite	592214.99	4140364.85	1.7E-05	3.59	3.59	0	ANNUAL	DSTPH1	5	
192	offsite	592314.99	4140364.85	1.42E-05	3.1	3.1	0	ANNUAL	DSTPH1	5	
193	offsite	592414.99	4140364.85	1.22E-05	3.72	3.72	0	ANNUAL	DSTPH1	5	
194	offsite	592514.99	4140364.85	1.06E-05	3.81	3.81	0	ANNUAL	DSTPH1	5	
195	offsite	592614.99	4140364.85	9.33E-06	3.96	3.96	0	ANNUAL	DSTPH1	5	
196	path	592714.99	4140364.85	8.32E-06	3.62	3.62	0	ANNUAL	DSTPH1	5	
197	Phase2	590814.99	4140464.85	0.000142	7.33	7.33	0	ANNUAL	DSTPH1	5	
198	Phase2	590914.99	4140464.85	0.000276	3.48	8.01	0	ANNUAL	DSTPH1	5	
199	Phase2	591014.99	4140464.85	0.000476	9.04	9.04	0	ANNUAL	DSTPH1	5	
200	Phase2	591114.99	4140464.85	0.000786	6.3	6.3	0	ANNUAL	DSTPH1	5	
201	Phase1	591214.99	4140464.85	0.002715	4.11	4.11	0	ANNUAL	DSTPH1	5	
202	Phase1	591314.99	4140464.85	0.003082	3.79	12.8	0	ANNUAL	DSTPH1	5	
203	offsite	591514.99	4140464.85	0.000189	9.4	11.58	0	ANNUAL	DSTPH1	5	
204	offsite	591614.99	4140464.85	9.04E-05	3.67	3.67	0	ANNUAL	DSTPH1	5	
205	offsite	591714.99	4140464.85	5.52E-05	2.95	2.95	0	ANNUAL	DSTPH1	5	
206	school	591814.99	4140464.85	3.82E-05	3.2	3.2	0	ANNUAL	DSTPH1	5	
207	offsite	591914.99	4140464.85	2.85E-05	2.67	2.67	0	ANNUAL	DSTPH1	5	
208	offsite	592014.99	4140464.85	2.23E-05	2.87	2.87	0	ANNUAL	DSTPH1	5	
209	offsite	592114.99	4140464.85	1.81E-05	2.99	2.99	0	ANNUAL	DSTPH1	5	
210	offsite	592214.99	4140464.85	1.51E-05	3.17	3.17	0	ANNUAL	DSTPH1	5	
211	offsite	592314.99	4140464.85	1.28E-05	3.06	3.06	0	ANNUAL	DSTPH1	5	
212	offsite	592414.99	4140464.85	1.11E-05	4.06	4.06	0	ANNUAL	DSTPH1	5	
213	offsite	592514.99	4140464.85	9.71E-06	3.41	3.41	0	ANNUAL	DSTPH1	5	
214	path	592614.99	4140464.85	8.63E-06	4.04	7.11	0	ANNUAL	DSTPH1	5	
215	path	592714.99	4140464.85	7.75E-06	5.41	5.41	0	ANNUAL	DSTPH1	5	
216	Phase4	590614.99	4140564.85	6.4E-05	3.36	6.1	0	ANNUAL	DSTPH1	5	
217	Phase4	590714.99	4140564.85	9.58E-05	7.4	7.4	0	ANNUAL	DSTPH1	5	
218	Phase2	590814.99	4140564.85	0.000146	7.15	7.15	0	ANNUAL	DSTPH1	5	
219	Phase2	590914.99	4140564.85	0.000213	7.26	7.26	0	ANNUAL	DSTPH1	5	
220	Phase2	591014.99	4140564.85	0.000284	9.71	9.71	0	ANNUAL	DSTPH1	5	
221	Phase2	591114.99	4140564.85	0.000361	9	9	0	ANNUAL	DSTPH1	5	
222	Phase2	591214.99	4140564.85	0.000457	9.03	9.03	0	ANNUAL	DSTPH1	5	
223	Phase2	591314.99	4140564.85	0.0006	4.67	4.67	0	ANNUAL	DSTPH1	5	
224	offsite	591714.99	4140564.85	4.3E-05	2.69	2.69	0	ANNUAL	DSTPH1	5	
225	offsite	591814.99	4140564.85	3.14E-05	3.25	3.25	0	ANNUAL	DSTPH1	5	
226	offsite	591914.99	4140564.85	2.42E-05	3.24	3.24	0	ANNUAL	DSTPH1	5	
227	offsite	592014.99	4140564.85	1.93E-05	2.59	2.59	0	ANNUAL	DSTPH1	5	
228	offsite	592114.99	4140564.85	1.59E-05	2.98	2.98	0	ANNUAL	DSTPH1	5	
229	offsite	592214.99	4140564.85	1.34E-05	2.81	2.81	0	ANNUAL	DSTPH1	5	
230	offsite	592314.99	4140564.85	1.15E-05	3.05	3.05	0	ANNUAL	DSTPH1	5	
231	offsite	592414.99	4140564.85	1.01E-05	3.14	3.14	0	ANNUAL	DSTPH1	5	
232	path	592514.99	4140564.85	8.9E-06	3.71	8.35	0	ANNUAL	DSTPH1	5	
233	path	592614.99	4140564.85	7.96E-06	4.03	4.03	0	ANNUAL	DSTPH1	5	
234	Phase4	590514.99	4140664.85	5.19E-05	6.14	6.14	0	ANNUAL	DSTPH1	5	
235	Phase4	590614.99	4140664.85	7.04E-05	7.46	7.46	0	ANNUAL	DSTPH1	5	
236	Phase4	590714.99	4140664.85	9.58E-05	8.05	8.05	0	ANNUAL	DSTPH1	5	
237	Phase3	590814.99	4140664.85	0.000127	6.03	6.03	0	ANNUAL	DSTPH1	5	
238	Phase3	590914.99	4140664.85	0.000161	8.15	8.15	0	ANNUAL	DSTPH1	5	
239	Phase2	591014.99	4140664.85	0.000189	9.55	9.55	0	ANNUAL	DSTPH1	5	
240	Phase2	591114.99	4140664.85	0.000209	8.51	8.51	0	ANNUAL	DSTPH1	5	

Phase 2

PHASE:	2	2	2	2	2	2	2	2	2	2
	eptor ID (C	X	Y	(AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFLA	gin Period	ce Group (	Years (NUM
121	offsite	592514.99	4139864.85	3.55E-05	4.41	4.41	0	ANNUAL	DSTPH2	5
122	offsite	592614.99	4139864.85	3.21E-05	4.24	4.24	0	ANNUAL	DSTPH2	5
123	offsite	592714.99	4139864.85	2.91E-05	4.3	4.3	0	ANNUAL	DSTPH2	5
124	offsite	592814.99	4139864.85	2.64E-05	4.04	4.04	0	ANNUAL	DSTPH2	5
125	offsite	589514.99	4139964.85	7.25E-06	4.32	4.32	0	ANNUAL	DSTPH2	5
126	offsite	589614.99	4139964.85	7.58E-06	5.09	5.09	0	ANNUAL	DSTPH2	5
127	offsite	591714.99	4139964.85	8.97E-05	4.71	4.71	0	ANNUAL	DSTPH2	5
128	offsite	591814.99	4139964.85	8.17E-05	4.87	4.87	0	ANNUAL	DSTPH2	5
129	offsite	591914.99	4139964.85	7.33E-05	4.64	4.64	0	ANNUAL	DSTPH2	5
130	offsite	592014.99	4139964.85	6.51E-05	4.55	4.55	0	ANNUAL	DSTPH2	5
131	offsite	592114.99	4139964.85	5.75E-05	4.39	4.39	0	ANNUAL	DSTPH2	5
132	offsite	592214.99	4139964.85	5.08E-05	4.23	4.23	0	ANNUAL	DSTPH2	5
133	offsite	592314.99	4139964.85	4.49E-05	4.53	4.53	0	ANNUAL	DSTPH2	5
134	offsite	592414.99	4139964.85	3.98E-05	4.2	4.2	0	ANNUAL	DSTPH2	5
135	offsite	592514.99	4139964.85	3.55E-05	4.7	4.7	0	ANNUAL	DSTPH2	5
136	offsite	592614.99	4139964.85	3.17E-05	4.34	4.34	0	ANNUAL	DSTPH2	5
137	offsite	592714.99	4139964.85	2.85E-05	3.76	3.76	0	ANNUAL	DSTPH2	5
138	offsite	592814.99	4139964.85	2.57E-05	4.47	4.47	0	ANNUAL	DSTPH2	5
139	offsite	589514.99	4140064.85	8.16E-06	4.9	4.9	0	ANNUAL	DSTPH2	5
140	offsite	589614.99	4140064.85	8.64E-06	5.47	5.47	0	ANNUAL	DSTPH2	5
141	offsite	591714.99	4140064.85	0.000106	4.31	4.31	0	ANNUAL	DSTPH2	5
142	offsite	591814.99	4140064.85	9.25E-05	3.8	3.8	0	ANNUAL	DSTPH2	5
143	offsite	591914.99	4140064.85	8.01E-05	4.28	4.28	0	ANNUAL	DSTPH2	5
144	offsite	592014.99	4140064.85	6.91E-05	4.29	4.29	0	ANNUAL	DSTPH2	5
145	offsite	592114.99	4140064.85	5.96E-05	4.38	4.38	0	ANNUAL	DSTPH2	5
146	offsite	592214.99	4140064.85	5.16E-05	4.26	4.26	0	ANNUAL	DSTPH2	5
147	offsite	592314.99	4140064.85	4.49E-05	4.19	4.19	0	ANNUAL	DSTPH2	5
148	offsite	592414.99	4140064.85	3.93E-05	4.04	4.04	0	ANNUAL	DSTPH2	5
149	offsite	592514.99	4140064.85	3.46E-05	4.2	4.2	0	ANNUAL	DSTPH2	5
150	offsite	592614.99	4140064.85	3.07E-05	3.86	3.86	0	ANNUAL	DSTPH2	5
151	offsite	592714.99	4140064.85	2.74E-05	5.97	5.97	0	ANNUAL	DSTPH2	5
152	offsite	592814.99	4140064.85	2.46E-05	5.6	5.6	0	ANNUAL	DSTPH2	5
153	offsite	591714.99	4140164.85	0.000121	4.3	4.3	0	ANNUAL	DSTPH2	5
154	offsite	591814.99	4140164.85	0.000101	3.26	3.26	0	ANNUAL	DSTPH2	5
155	offsite	591914.99	4140164.85	8.46E-05	3.76	3.76	0	ANNUAL	DSTPH2	5
156	offsite	592014.99	4140164.85	7.09E-05	3.28	3.28	0	ANNUAL	DSTPH2	5
157	offsite	592114.99	4140164.85	5.97E-05	3.78	3.78	0	ANNUAL	DSTPH2	5
158	offsite	592214.99	4140164.85	5.07E-05	4.36	4.36	0	ANNUAL	DSTPH2	5
159	offsite	592314.99	4140164.85	4.35E-05	4.42	4.42	0	ANNUAL	DSTPH2	5
160	offsite	592414.99	4140164.85	3.77E-05	4.33	4.33	0	ANNUAL	DSTPH2	5
161	offsite	592514.99	4140164.85	3.29E-05	3.81	3.81	0	ANNUAL	DSTPH2	5
162	offsite	592614.99	4140164.85	2.91E-05	4.09	4.09	0	ANNUAL	DSTPH2	5
163	offsite	592714.99	4140164.85	2.59E-05	5.39	5.39	0	ANNUAL	DSTPH2	5
164	offsite	592814.99	4140164.85	2.32E-05	5.98	8.59	0	ANNUAL	DSTPH2	5
165	park	591314.99	4140264.85	0.000273	3.69	3.69	0	ANNUAL	DSTPH2	5
166	park	591414.99	4140264.85	0.000241	3.9	3.9	0	ANNUAL	DSTPH2	5
167	offsite	591614.99	4140264.85	0.000166	4.68	4.68	0	ANNUAL	DSTPH2	5
168	offsite	591714.99	4140264.85	0.000133	4.7	4.7	0	ANNUAL	DSTPH2	5
169	offsite	591814.99	4140264.85	0.000106	3.4	3.4	0	ANNUAL	DSTPH2	5
170	park	591914.99	4140264.85	8.54E-05	3.76	3.76	0	ANNUAL	DSTPH2	5
171	offsite	592014.99	4140264.85	6.96E-05	2.83	2.83	0	ANNUAL	DSTPH2	5
172	offsite	592114.99	4140264.85	5.75E-05	4.36	4.36	0	ANNUAL	DSTPH2	5
173	offsite	592214.99	4140264.85	4.82E-05	4.3	4.3	0	ANNUAL	DSTPH2	5
174	offsite	592314.99	4140264.85	4.1E-05	4.16	4.16	0	ANNUAL	DSTPH2	5
175	offsite	592414.99	4140264.85	3.53E-05	3.7	3.7	0	ANNUAL	DSTPH2	5
176	offsite	592514.99	4140264.85	3.08E-05	4	4	0	ANNUAL	DSTPH2	5
177	offsite	592614.99	4140264.85	2.71E-05	4.5	4.5	0	ANNUAL	DSTPH2	5
178	path	592714.99	4140264.85	2.41E-05	5.93	5.93	0	ANNUAL	DSTPH2	5
179	path	592814.99	4140264.85	2.17E-05	4.99	4.99	0	ANNUAL	DSTPH2	5
180	Phase2	590914.99	4140364.85	0	5.6	5.6	0	ANNUAL	DSTPH2	5
181	Phase1	591014.99	4140364.85	0.001076	5.56	5.56	0	ANNUAL	DSTPH2	5
182	Phase1	591114.99	4140364.85	0.000636	3.53	3.53	0	ANNUAL	DSTPH2	5
183	Phase1	591214.99	4140364.85	0.000495	5.18	5.18	0	ANNUAL	DSTPH2	5
184	park	591414.99	4140364.85	0.000328	3.98	12.8	0	ANNUAL	DSTPH2	5
185	offsite	591614.99	4140364.85	0.000185	4.54	4.54	0	ANNUAL	DSTPH2	5
186	school	591714.99	4140364.85	0.000138	4.71	4.71	0	ANNUAL	DSTPH2	5
187	school	591814.99	4140364.85	0.000105	3.33	3.33	0	ANNUAL	DSTPH2	5
188	school	591914.99	4140364.85	8.16E-05	3.51	3.51	0	ANNUAL	DSTPH2	5
189	offsite	592014.99	4140364.85	6.53E-05	3.31	3.31	0	ANNUAL	DSTPH2	5
190	offsite	592114.99	4140364.85	5.34E-05	2.88	2.88	0	ANNUAL	DSTPH2	5
191	offsite	592214.99	4140364.85	4.45E-05	3.59	3.59	0	ANNUAL	DSTPH2	5
192	offsite	592314.99	4140364.85	3.78E-05	3.1	3.1	0	ANNUAL	DSTPH2	5
193	offsite	592414.99	4140364.85	3.25E-05	3.72	3.72	0	ANNUAL	DSTPH2	5
194	offsite	592514.99	4140364.85	2.84E-05	3.81	3.81	0	ANNUAL	DSTPH2	5
195	offsite	592614.99	4140364.85	2.51E-05	3.96	3.96	0	ANNUAL	DSTPH2	5
196	path	592714.99	4140364.85	2.24E-05	3.62	3.62	0	ANNUAL	DSTPH2	5
197	Phase2	590814.99	4140464.85	0.002396	7.33	7.33	0	ANNUAL	DSTPH2	5
198	Phase2	590914.99	4140464.85	0	3.48	8.01	0	ANNUAL	DSTPH2	5
199	Phase2	591014.99	4140464.85	0	9.04	9.04	0	ANNUAL	DSTPH2	5
200	Phase2	591114.99	4140464.85	0	6.3	6.3	0	ANNUAL	DSTPH2	5
201	Phase1	591214.99	4140464.85	0.0013	4.11	4.11	0	ANNUAL	DSTPH2	5
202	Phase1	591314.99	4140464.85	0.0007	3.79	12.8	0	ANNUAL	DSTPH2	5
203	offsite	591514.99	4140464.85	0.000286	9.4	11.58	0	ANNUAL	DSTPH2	5
204	offsite	591614.99	4140464.85	0.000187	3.67	3.67	0	ANNUAL	DSTPH2	5
205	offsite	591714.99	4140464.85	0.000131	2.95	2.95	0	ANNUAL	DSTPH2	5
206	school	591814.99	4140464.85	9.63E-05	3.2	3.2	0	ANNUAL	DSTPH2	5
207	offsite	591914.99	4140464.85	7.41E-05	2.67	2.67	0	ANNUAL	DSTPH2	5
208	offsite	592014.99	4140464.85	5.89E-05	2.87	2.87	0	ANNUAL	DSTPH2	5
209	offsite	592114.99	4140464.85	4.82E-05	2.99	2.99	0	ANNUAL	DSTPH2	5
210	offsite	592214.99	4140464.85	4.03E-05	3.17	3.17	0	ANNUAL	DSTPH2	5
211	offsite	592314.99	4140464.85	3.44E-05	3.06	3.06	0	ANNUAL	DSTPH2	5
212	offsite	592414.99	4140464.85	2.98E-05	4.06	4.06	0	ANNUAL	DSTPH2	5
213	offsite	592514.99	4140464.85	2.62E-05	3.41	3.41	0	ANNUAL	DSTPH2	5
214	path	592614.99	4140464.85	2.33E-05	4.04	7.11	0	ANNUAL	DSTPH2	5
215	path	592714.99	4140464.85	2.09E-05	5.41	5.41	0	ANNUAL	DSTPH2	5
216	Phase4	590614.99	4140564.85	0.000273	3.36	6.1	0	ANNUAL	DSTPH2	5
217	Phase4	590714.99	4140564.85	0.000875	7.4	7.4	0	ANNUAL	DSTPH2	5
218	Phase2	590814.99	4140564.85	0	7.15	7.15	0	ANNUAL	DSTPH2	5
219	Phase2	590914.99	4140564.85	0	7.26	7.26	0	ANNUAL	DSTPH2	5
220	Phase2	591014.99	4140564.85	0	9.71	9.71	0	ANNUAL	DSTPH2	5
221	Phase2	591114.99	4140564.85	0	9	9	0	ANNUAL	DSTPH2	5
222	Phase2	591214.99	4140564.85	0	9.03	9.03	0	ANNUAL	DSTPH2	5
223	Phase2	591314.99	4140564.85	0	4.67	4.67	0	ANNUAL	DSTPH2	5
224	offsite	591714.99	4140564.85	0.000114	2.69	2.69	0	ANNUAL	DSTPH2	5
225	offsite	591814.99	4140564.85	8.38E-05	3.25	3.25	0	ANNUAL	DSTPH2	5
226	offsite	591914.99	4140564.85	6.48E-05	3.24	3.24	0	ANNUAL	DSTPH2	5
227	offsite	592014.99	4140564.85	5.2E-05	2.59	2.59	0	ANNUAL	DSTPH2	5
228	offsite	592114.99	4140564.85	4.3E-05	2.98	2.98	0	ANNUAL	DSTPH2	5
229	offsite	592214.99	4140564.85	3.63E-05	2.81	2.81	0	ANNUAL	DSTPH2	5
230	offsite	592314.99	4140564.85	3.12E-05	3.05	3.05	0	ANNUAL	DSTPH2	5
231	offsite	592414.99	4140564.85	2.73E-05	3.14	3.14	0	ANNUAL	DSTPH2	5
232	path	592514.99	4140564.85	2.42E-05	3.71	8.35	0	ANNUAL	DSTPH2	5
233	path	592614.99	4140564.85	2.16E-05	4.03	4.03	0	ANNUAL	DSTPH2	5
234	Phase4	590514.99	4140664.85	0.000201	6.14	6.14	0	ANNUAL	DSTPH2	5
235	Phase4	590614.99	4140664.85	0.000328	7.46	7.46	0	ANNUAL	DSTPH2	5
236	Phase4	590714.99	4140664.85	0.000539	8.05	8.05	0	ANNUAL	DSTPH2	5
237	Phase3	590814.99	4140664.85	0.00081	6.03	6.03	0	ANNUAL	DSTPH2	5
238	Phase3	590914.99	4140664.85	0.0013	8.15	8.15	0	ANNUAL	DSTPH2	5
239	Phase2	591014.99	4140664.85	0	9.55	9.55	0	ANNUAL	DSTPH2	5
240	Phase2	591114.99	4140664.85	0	8.51	8.51	0	ANNUAL	DSTPH2	5

Phase 3

PHASE:	3	3	3	3	3	3	3	3	3	3
	eptor ID (C	X	Y	(AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFLA	gin Period	ce Group (	Years (NUM
121	offsite	592514.99	4139864.85	0	4.41	4.41	0	ANNUAL	DSTPH3	5
122	offsite	592614.99	4139864.85	0	4.24	4.24	0	ANNUAL	DSTPH3	5
123	offsite	592714.99	4139864.85	0	4.3	4.3	0	ANNUAL	DSTPH3	5
124	offsite	592814.99	4139864.85	0	4.04	4.04	0	ANNUAL	DSTPH3	5
125	offsite	589514.99	4139964.85	0	4.32	4.32	0	ANNUAL	DSTPH3	5
126	offsite	589614.99	4139964.85	0	5.09	5.09	0	ANNUAL	DSTPH3	5
127	offsite	591714.99	4139964.85	0	4.71	4.71	0	ANNUAL	DSTPH3	5
128	offsite	591814.99	4139964.85	0	4.87	4.87	0	ANNUAL	DSTPH3	5
129	offsite	591914.99	4139964.85	0	4.64	4.64	0	ANNUAL	DSTPH3	5
130	offsite	592014.99	4139964.85	0	4.55	4.55	0	ANNUAL	DSTPH3	5
131	offsite	592114.99	4139964.85	0	4.39	4.39	0	ANNUAL	DSTPH3	5
132	offsite	592214.99	4139964.85	0	4.23	4.23	0	ANNUAL	DSTPH3	5
133	offsite	592314.99	4139964.85	0	4.53	4.53	0	ANNUAL	DSTPH3	5
134	offsite	592414.99	4139964.85	0	4.2	4.2	0	ANNUAL	DSTPH3	5
135	offsite	592514.99	4139964.85	0	4.7	4.7	0	ANNUAL	DSTPH3	5
136	offsite	592614.99	4139964.85	0	4.34	4.34	0	ANNUAL	DSTPH3	5
137	offsite	592714.99	4139964.85	0	3.76	3.76	0	ANNUAL	DSTPH3	5
138	offsite	592814.99	4139964.85	0	4.47	4.47	0	ANNUAL	DSTPH3	5
139	offsite	589514.99	4140064.85	0	4.9	4.9	0	ANNUAL	DSTPH3	5
140	offsite	589614.99	4140064.85	0	5.47	5.47	0	ANNUAL	DSTPH3	5
141	offsite	591714.99	4140064.85	0	4.31	4.31	0	ANNUAL	DSTPH3	5
142	offsite	591814.99	4140064.85	0	3.8	3.8	0	ANNUAL	DSTPH3	5
143	offsite	591914.99	4140064.85	0	4.28	4.28	0	ANNUAL	DSTPH3	5
144	offsite	592014.99	4140064.85	0	4.29	4.29	0	ANNUAL	DSTPH3	5
145	offsite	592114.99	4140064.85	0	4.38	4.38	0	ANNUAL	DSTPH3	5
146	offsite	592214.99	4140064.85	0	4.26	4.26	0	ANNUAL	DSTPH3	5
147	offsite	592314.99	4140064.85	0	4.19	4.19	0	ANNUAL	DSTPH3	5
148	offsite	592414.99	4140064.85	0	4.04	4.04	0	ANNUAL	DSTPH3	5
149	offsite	592514.99	4140064.85	0	4.2	4.2	0	ANNUAL	DSTPH3	5
150	offsite	592614.99	4140064.85	0	3.86	3.86	0	ANNUAL	DSTPH3	5
151	offsite	592714.99	4140064.85	0	5.97	5.97	0	ANNUAL	DSTPH3	5
152	offsite	592814.99	4140064.85	0	5.6	5.6	0	ANNUAL	DSTPH3	5
153	offsite	591714.99	4140164.85	0	4.3	4.3	0	ANNUAL	DSTPH3	5
154	offsite	591814.99	4140164.85	0	3.26	3.26	0	ANNUAL	DSTPH3	5
155	offsite	591914.99	4140164.85	0	3.76	3.76	0	ANNUAL	DSTPH3	5
156	offsite	592014.99	4140164.85	0	3.28	3.28	0	ANNUAL	DSTPH3	5
157	offsite	592114.99	4140164.85	0	3.78	3.78	0	ANNUAL	DSTPH3	5
158	offsite	592214.99	4140164.85	0	4.36	4.36	0	ANNUAL	DSTPH3	5
159	offsite	592314.99	4140164.85	0	4.42	4.42	0	ANNUAL	DSTPH3	5
160	offsite	592414.99	4140164.85	0	4.33	4.33	0	ANNUAL	DSTPH3	5
161	offsite	592514.99	4140164.85	0	3.81	3.81	0	ANNUAL	DSTPH3	5
162	offsite	592614.99	4140164.85	0	4.09	4.09	0	ANNUAL	DSTPH3	5
163	offsite	592714.99	4140164.85	0	5.39	5.39	0	ANNUAL	DSTPH3	5
164	offsite	592814.99	4140164.85	0	5.98	8.59	0	ANNUAL	DSTPH3	5
165	park	591314.99	4140264.85	0	3.69	3.69	0	ANNUAL	DSTPH3	5
166	park	591414.99	4140264.85	0	3.9	3.9	0	ANNUAL	DSTPH3	5
167	offsite	591614.99	4140264.85	0	4.68	4.68	0	ANNUAL	DSTPH3	5
168	offsite	591714.99	4140264.85	0	4.7	4.7	0	ANNUAL	DSTPH3	5
169	offsite	591814.99	4140264.85	0	3.4	3.4	0	ANNUAL	DSTPH3	5
170	park	591914.99	4140264.85	0	3.76	3.76	0	ANNUAL	DSTPH3	5
171	offsite	592014.99	4140264.85	0	2.83	2.83	0	ANNUAL	DSTPH3	5
172	offsite	592114.99	4140264.85	0	4.36	4.36	0	ANNUAL	DSTPH3	5
173	offsite	592214.99	4140264.85	0	4.3	4.3	0	ANNUAL	DSTPH3	5
174	offsite	592314.99	4140264.85	0	4.16	4.16	0	ANNUAL	DSTPH3	5
175	offsite	592414.99	4140264.85	0	3.7	3.7	0	ANNUAL	DSTPH3	5
176	offsite	592514.99	4140264.85	0	4	4	0	ANNUAL	DSTPH3	5
177	offsite	592614.99	4140264.85	0	4.5	4.5	0	ANNUAL	DSTPH3	5
178	path	592714.99	4140264.85	0	5.93	5.93	0	ANNUAL	DSTPH3	5
179	path	592814.99	4140264.85	0	4.99	4.99	0	ANNUAL	DSTPH3	5
180	Phase2	590914.99	4140364.85	0	5.6	5.6	0	ANNUAL	DSTPH3	5
181	Phase1	591014.99	4140364.85	0	5.56	5.56	0	ANNUAL	DSTPH3	5
182	Phase1	591114.99	4140364.85	0	3.53	3.53	0	ANNUAL	DSTPH3	5
183	Phase1	591214.99	4140364.85	0	5.18	5.18	0	ANNUAL	DSTPH3	5
184	park	591414.99	4140364.85	0	3.98	12.8	0	ANNUAL	DSTPH3	5
185	offsite	591614.99	4140364.85	0	4.54	4.54	0	ANNUAL	DSTPH3	5
186	school	591714.99	4140364.85	0	4.71	4.71	0	ANNUAL	DSTPH3	5
187	school	591814.99	4140364.85	0	3.33	3.33	0	ANNUAL	DSTPH3	5
188	school	591914.99	4140364.85	0	3.51	3.51	0	ANNUAL	DSTPH3	5
189	offsite	592014.99	4140364.85	0	3.31	3.31	0	ANNUAL	DSTPH3	5
190	offsite	592114.99	4140364.85	0	2.88	2.88	0	ANNUAL	DSTPH3	5
191	offsite	592214.99	4140364.85	0	3.59	3.59	0	ANNUAL	DSTPH3	5
192	offsite	592314.99	4140364.85	0	3.1	3.1	0	ANNUAL	DSTPH3	5
193	offsite	592414.99	4140364.85	0	3.72	3.72	0	ANNUAL	DSTPH3	5
194	offsite	592514.99	4140364.85	0	3.81	3.81	0	ANNUAL	DSTPH3	5
195	offsite	592614.99	4140364.85	0	3.96	3.96	0	ANNUAL	DSTPH3	5
196	path	592714.99	4140364.85	0	3.62	3.62	0	ANNUAL	DSTPH3	5
197	Phase2	590814.99	4140464.85	0	7.33	7.33	0	ANNUAL	DSTPH3	5
198	Phase2	590914.99	4140464.85	0	3.48	8.01	0	ANNUAL	DSTPH3	5
199	Phase2	591014.99	4140464.85	0	9.04	9.04	0	ANNUAL	DSTPH3	5
200	Phase2	591114.99	4140464.85	0	6.3	6.3	0	ANNUAL	DSTPH3	5
201	Phase1	591214.99	4140464.85	0	4.11	4.11	0	ANNUAL	DSTPH3	5
202	Phase1	591314.99	4140464.85	0	3.79	12.8	0	ANNUAL	DSTPH3	5
203	offsite	591514.99	4140464.85	0	9.4	11.58	0	ANNUAL	DSTPH3	5
204	offsite	591614.99	4140464.85	0	3.67	3.67	0	ANNUAL	DSTPH3	5
205	offsite	591714.99	4140464.85	0	2.95	2.95	0	ANNUAL	DSTPH3	5
206	school	591814.99	4140464.85	0	3.2	3.2	0	ANNUAL	DSTPH3	5
207	offsite	591914.99	4140464.85	0	2.67	2.67	0	ANNUAL	DSTPH3	5
208	offsite	592014.99	4140464.85	0	2.87	2.87	0	ANNUAL	DSTPH3	5
209	offsite	592114.99	4140464.85	0	2.99	2.99	0	ANNUAL	DSTPH3	5
210	offsite	592214.99	4140464.85	0	3.17	3.17	0	ANNUAL	DSTPH3	5
211	offsite	592314.99	4140464.85	0	3.06	3.06	0	ANNUAL	DSTPH3	5
212	offsite	592414.99	4140464.85	0	4.06	4.06	0	ANNUAL	DSTPH3	5
213	offsite	592514.99	4140464.85	0	3.41	3.41	0	ANNUAL	DSTPH3	5
214	path	592614.99	4140464.85	0	4.04	7.11	0	ANNUAL	DSTPH3	5
215	path	592714.99	4140464.85	0	5.41	5.41	0	ANNUAL	DSTPH3	5
216	Phase4	590614.99	4140564.85	0	3.36	6.1	0	ANNUAL	DSTPH3	5
217	Phase4	590714.99	4140564.85	0	7.4	7.4	0	ANNUAL	DSTPH3	5
218	Phase2	590814.99	4140564.85	0	7.15	7.15	0	ANNUAL	DSTPH3	5
219	Phase2	590914.99	4140564.85	0	7.26	7.26	0	ANNUAL	DSTPH3	5
220	Phase2	591014.99	4140564.85	0	9.71	9.71	0	ANNUAL	DSTPH3	5
221	Phase2	591114.99	4140564.85	0	9	9	0	ANNUAL	DSTPH3	5
222	Phase2	591214.99	4140564.85	0	9.03	9.03	0	ANNUAL	DSTPH3	5
223	Phase2	591314.99	4140564.85	0	4.67	4.67	0	ANNUAL	DSTPH3	5
224	offsite	591714.99	4140564.85	0	2.69	2.69	0	ANNUAL	DSTPH3	5
225	offsite	591814.99	4140564.85	0	3.25	3.25	0	ANNUAL	DSTPH3	5
226	offsite	591914.99	4140564.85	0	3.24	3.24	0	ANNUAL	DSTPH3	5
227	offsite	592014.99	4140564.85	0	2.59	2.59	0	ANNUAL	DSTPH3	5
228	offsite	592114.99	4140564.85	0	2.98	2.98	0	ANNUAL	DSTPH3	5
229	offsite	592214.99	4140564.85	0	2.81	2.81	0	ANNUAL	DSTPH3	5
230	offsite	592314.99	4140564.85	0	3.05	3.05	0	ANNUAL	DSTPH3	5
231	offsite	592414.99	4140564.85	0	3.14	3.14	0	ANNUAL	DSTPH3	5
232	path	592514.99	4140564.85	0	3.71	8.35	0	ANNUAL	DSTPH3	5
233	path	592614.99	4140564.85	0	4.03	4.03	0	ANNUAL	DSTPH3	5
234	Phase4	590514.99	4140664.85	0	6.14	6.14	0	ANNUAL	DSTPH3	5
235	Phase4	590614.99	4140664.85	0	7.46	7.46	0	ANNUAL	DSTPH3	5
236	Phase4	590714.99	4140664.85	0	8.05	8.05	0	ANNUAL	DSTPH3	5
237	Phase3	590814.99	4140664.85	0	6.03	6.03	0	ANNUAL	DSTPH3	5
238	Phase3	590914.99	4140664.85	0	8.15	8.15	0	ANNUAL	DSTPH3	5
239	Phase2	591014.99	4140664.85	0	9.55	9.55	0	ANNUAL	DSTPH3	5
240	Phase2	591114.99	4140664.85	0	8.51	8.51	0	ANNUAL	DSTPH3	5

Phase 4

PHASE:	4	4	4	4	4	4	4	4	4	4	4
	eptor ID (C	X	Y	(AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFLA	gin Period	ce Group (	Years (NUM	Net ID
121	offsite	592514.99	4139864.85	2.1E-05	4.41	4.41	0	ANNUAL	DSTPH4	5	
122	offsite	592614.99	4139864.85	1.93E-05	4.24	4.24	0	ANNUAL	DSTPH4	5	
123	offsite	592714.99	4139864.85	1.78E-05	4.3	4.3	0	ANNUAL	DSTPH4	5	
124	offsite	592814.99	4139864.85	1.64E-05	4.04	4.04	0	ANNUAL	DSTPH4	5	
125	offsite	589514.99	4139964.85	5.92E-06	4.32	4.32	0	ANNUAL	DSTPH4	5	
126	offsite	589614.99	4139964.85	6.14E-06	5.09	5.09	0	ANNUAL	DSTPH4	5	
127	offsite	591714.99	4139964.85	4.72E-05	4.71	4.71	0	ANNUAL	DSTPH4	5	
128	offsite	591814.99	4139964.85	4.23E-05	4.87	4.87	0	ANNUAL	DSTPH4	5	
129	offsite	591914.99	4139964.85	3.79E-05	4.64	4.64	0	ANNUAL	DSTPH4	5	
130	offsite	592014.99	4139964.85	3.4E-05	4.55	4.55	0	ANNUAL	DSTPH4	5	
131	offsite	592114.99	4139964.85	3.05E-05	4.39	4.39	0	ANNUAL	DSTPH4	5	
132	offsite	592214.99	4139964.85	2.75E-05	4.23	4.23	0	ANNUAL	DSTPH4	5	
133	offsite	592314.99	4139964.85	2.48E-05	4.53	4.53	0	ANNUAL	DSTPH4	5	
134	offsite	592414.99	4139964.85	2.25E-05	4.2	4.2	0	ANNUAL	DSTPH4	5	
135	offsite	592514.99	4139964.85	2.05E-05	4.7	4.7	0	ANNUAL	DSTPH4	5	
136	offsite	592614.99	4139964.85	1.88E-05	4.34	4.34	0	ANNUAL	DSTPH4	5	
137	offsite	592714.99	4139964.85	1.72E-05	3.76	3.76	0	ANNUAL	DSTPH4	5	
138	offsite	592814.99	4139964.85	1.59E-05	4.47	4.47	0	ANNUAL	DSTPH4	5	
139	offsite	589514.99	4140064.85	7.04E-06	4.9	4.9	0	ANNUAL	DSTPH4	5	
140	offsite	589614.99	4140064.85	7.34E-06	5.47	5.47	0	ANNUAL	DSTPH4	5	
141	offsite	591714.99	4140064.85	5E-05	4.31	4.31	0	ANNUAL	DSTPH4	5	
142	offsite	591814.99	4140064.85	4.39E-05	3.8	3.8	0	ANNUAL	DSTPH4	5	
143	offsite	591914.99	4140064.85	3.86E-05	4.28	4.28	0	ANNUAL	DSTPH4	5	
144	offsite	592014.99	4140064.85	3.41E-05	4.29	4.29	0	ANNUAL	DSTPH4	5	
145	offsite	592114.99	4140064.85	3.03E-05	4.38	4.38	0	ANNUAL	DSTPH4	5	
146	offsite	592214.99	4140064.85	2.7E-05	4.26	4.26	0	ANNUAL	DSTPH4	5	
147	offsite	592314.99	4140064.85	2.42E-05	4.19	4.19	0	ANNUAL	DSTPH4	5	
148	offsite	592414.99	4140064.85	2.18E-05	4.04	4.04	0	ANNUAL	DSTPH4	5	
149	offsite	592514.99	4140064.85	1.98E-05	4.2	4.2	0	ANNUAL	DSTPH4	5	
150	offsite	592614.99	4140064.85	1.8E-05	3.86	3.86	0	ANNUAL	DSTPH4	5	
151	offsite	592714.99	4140064.85	1.65E-05	5.97	5.97	0	ANNUAL	DSTPH4	5	
152	offsite	592814.99	4140064.85	1.52E-05	5.6	5.6	0	ANNUAL	DSTPH4	5	
153	offsite	591714.99	4140164.85	5.12E-05	4.3	4.3	0	ANNUAL	DSTPH4	5	
154	offsite	591814.99	4140164.85	4.4E-05	3.26	3.26	0	ANNUAL	DSTPH4	5	
155	offsite	591914.99	4140164.85	3.81E-05	3.76	3.76	0	ANNUAL	DSTPH4	5	
156	offsite	592014.99	4140164.85	3.32E-05	3.28	3.28	0	ANNUAL	DSTPH4	5	
157	offsite	592114.99	4140164.85	2.92E-05	3.78	3.78	0	ANNUAL	DSTPH4	5	
158	offsite	592214.99	4140164.85	2.59E-05	4.36	4.36	0	ANNUAL	DSTPH4	5	
159	offsite	592314.99	4140164.85	2.31E-05	4.42	4.42	0	ANNUAL	DSTPH4	5	
160	offsite	592414.99	4140164.85	2.07E-05	4.33	4.33	0	ANNUAL	DSTPH4	5	
161	offsite	592514.99	4140164.85	1.88E-05	3.81	3.81	0	ANNUAL	DSTPH4	5	
162	offsite	592614.99	4140164.85	1.71E-05	4.09	4.09	0	ANNUAL	DSTPH4	5	
163	offsite	592714.99	4140164.85	1.56E-05	5.39	5.39	0	ANNUAL	DSTPH4	5	
164	offsite	592814.99	4140164.85	1.43E-05	5.98	8.59	0	ANNUAL	DSTPH4	5	
165	park	591314.99	4140264.85	0.000109	3.69	3.69	0	ANNUAL	DSTPH4	5	
166	park	591414.99	4140264.85	8.85E-05	3.9	3.9	0	ANNUAL	DSTPH4	5	
167	offsite	591614.99	4140264.85	6.01E-05	4.68	4.68	0	ANNUAL	DSTPH4	5	
168	offsite	591714.99	4140264.85	5.02E-05	4.7	4.7	0	ANNUAL	DSTPH4	5	
169	offsite	591814.99	4140264.85	4.25E-05	3.4	3.4	0	ANNUAL	DSTPH4	5	
170	park	591914.99	4140264.85	3.64E-05	3.76	3.76	0	ANNUAL	DSTPH4	5	
171	offsite	592014.99	4140264.85	3.15E-05	2.83	2.83	0	ANNUAL	DSTPH4	5	
172	offsite	592114.99	4140264.85	2.75E-05	4.36	4.36	0	ANNUAL	DSTPH4	5	
173	offsite	592214.99	4140264.85	2.43E-05	4.3	4.3	0	ANNUAL	DSTPH4	5	
174	offsite	592314.99	4140264.85	2.16E-05	4.16	4.16	0	ANNUAL	DSTPH4	5	
175	offsite	592414.99	4140264.85	1.94E-05	3.7	3.7	0	ANNUAL	DSTPH4	5	
176	offsite	592514.99	4140264.85	1.76E-05	4	4	0	ANNUAL	DSTPH4	5	
177	offsite	592614.99	4140264.85	1.6E-05	4.5	4.5	0	ANNUAL	DSTPH4	5	
178	path	592714.99	4140264.85	1.47E-05	5.93	5.93	0	ANNUAL	DSTPH4	5	
179	path	592814.99	4140264.85	1.35E-05	4.99	4.99	0	ANNUAL	DSTPH4	5	
180	Phase2	590914.99	4140364.85	0.000324	5.6	5.6	0	ANNUAL	DSTPH4	5	
181	Phase1	591014.99	4140364.85	0.000256	5.56	5.56	0	ANNUAL	DSTPH4	5	
182	Phase1	591114.99	4140364.85	0.000195	3.53	3.53	0	ANNUAL	DSTPH4	5	
183	Phase1	591214.99	4140364.85	0.000148	5.18	5.18	0	ANNUAL	DSTPH4	5	
184	park	591414.99	4140364.85	8.87E-05	3.98	12.8	0	ANNUAL	DSTPH4	5	
185	offsite	591614.99	4140364.85	5.72E-05	4.54	4.54	0	ANNUAL	DSTPH4	5	
186	school	591714.99	4140364.85	4.72E-05	4.71	4.71	0	ANNUAL	DSTPH4	5	
187	school	591814.99	4140364.85	3.96E-05	3.33	3.33	0	ANNUAL	DSTPH4	5	
188	school	591914.99	4140364.85	3.37E-05	3.51	3.51	0	ANNUAL	DSTPH4	5	
189	offsite	592014.99	4140364.85	2.91E-05	3.31	3.31	0	ANNUAL	DSTPH4	5	
190	offsite	592114.99	4140364.85	2.55E-05	2.88	2.88	0	ANNUAL	DSTPH4	5	
191	offsite	592214.99	4140364.85	2.25E-05	3.59	3.59	0	ANNUAL	DSTPH4	5	
192	offsite	592314.99	4140364.85	2.01E-05	3.1	3.1	0	ANNUAL	DSTPH4	5	
193	offsite	592414.99	4140364.85	1.81E-05	3.72	3.72	0	ANNUAL	DSTPH4	5	
194	offsite	592514.99	4140364.85	1.64E-05	3.81	3.81	0	ANNUAL	DSTPH4	5	
195	offsite	592614.99	4140364.85	1.5E-05	3.96	3.96	0	ANNUAL	DSTPH4	5	
196	path	592714.99	4140364.85	1.38E-05	3.62	3.62	0	ANNUAL	DSTPH4	5	
197	Phase2	590814.99	4140464.85	0.001075	7.33	7.33	0	ANNUAL	DSTPH4	5	
198	Phase2	590914.99	4140464.85	0.000485	3.48	8.01	0	ANNUAL	DSTPH4	5	
199	Phase2	591014.99	4140464.85	0.000316	9.04	9.04	0	ANNUAL	DSTPH4	5	
200	Phase2	591114.99	4140464.85	0.000212	6.3	6.3	0	ANNUAL	DSTPH4	5	
201	Phase1	591214.99	4140464.85	0.000149	4.11	4.11	0	ANNUAL	DSTPH4	5	
202	Phase1	591314.99	4140464.85	0.000109	3.79	12.8	0	ANNUAL	DSTPH4	5	
203	offsite	591514.99	4140464.85	6.44E-05	9.4	11.58	0	ANNUAL	DSTPH4	5	
204	offsite	591614.99	4140464.85	5.21E-05	3.67	3.67	0	ANNUAL	DSTPH4	5	
205	offsite	591714.99	4140464.85	4.29E-05	2.95	2.95	0	ANNUAL	DSTPH4	5	
206	school	591814.99	4140464.85	3.6E-05	3.2	3.2	0	ANNUAL	DSTPH4	5	
207	offsite	591914.99	4140464.85	3.07E-05	2.67	2.67	0	ANNUAL	DSTPH4	5	
208	offsite	592014.99	4140464.85	2.67E-05	2.87	2.87	0	ANNUAL	DSTPH4	5	
209	offsite	592114.99	4140464.85	2.34E-05	2.99	2.99	0	ANNUAL	DSTPH4	5	
210	offsite	592214.99	4140464.85	2.08E-05	3.17	3.17	0	ANNUAL	DSTPH4	5	
211	offsite	592314.99	4140464.85	1.87E-05	3.06	3.06	0	ANNUAL	DSTPH4	5	
212	offsite	592414.99	4140464.85	1.69E-05	4.06	4.06	0	ANNUAL	DSTPH4	5	
213	offsite	592514.99	4140464.85	1.54E-05	3.41	3.41	0	ANNUAL	DSTPH4	5	
214	path	592614.99	4140464.85	1.41E-05	4.04	7.11	0	ANNUAL	DSTPH4	5	
215	path	592714.99	4140464.85	1.3E-05	5.41	5.41	0	ANNUAL	DSTPH4	5	
216	Phase4	590614.99	4140564.85	0.004319	3.36	6.1	0	ANNUAL	DSTPH4	5	
217	Phase4	590714.99	4140564.85	0.00419	7.4	7.4	0	ANNUAL	DSTPH4	5	
218	Phase2	590814.99	4140564.85	0.001392	7.15	7.15	0	ANNUAL	DSTPH4	5	
219	Phase2	590914.99	4140564.85	0.000608	7.26	7.26	0	ANNUAL	DSTPH4	5	
220	Phase2	591014.99	4140564.85	0.000321	9.71	9.71	0	ANNUAL	DSTPH4	5	
221	Phase2	591114.99	4140564.85	0.000196	9	9	0	ANNUAL	DSTPH4	5	
222	Phase2	591214.99	4140564.85	0.000132	9.03	9.03	0	ANNUAL	DSTPH4	5	
223	Phase2	591314.99	4140564.85	9.6E-05	4.67	4.67	0	ANNUAL	DSTPH4	5	
224	offsite	591714.99	4140564.85	3.83E-05	2.69	2.69	0	ANNUAL	DSTPH4	5	
225	offsite	591814.99	4140564.85	3.25E-05	3.25	3.25	0	ANNUAL	DSTPH4	5	
226	offsite	591914.99	4140564.85	2.79E-05	3.24	3.24	0	ANNUAL	DSTPH4	5	
227	offsite	592014.99	4140564.85	2.44E-05	2.59	2.59	0	ANNUAL	DSTPH4	5	
228	offsite	592114.99	4140564.85	2.16E-05	2.98	2.98	0	ANNUAL	DSTPH4	5	
229	offsite	592214.99	4140564.85	1.93E-05	2.81	2.81	0	ANNUAL	DSTPH4	5	
230	offsite	592314.99	4140564.85	1.74E-05	3.05	3.05	0	ANNUAL	DSTPH4	5	
231	offsite	592414.99	4140564.85	1.58E-05	3.14	3.14	0	ANNUAL	DSTPH4	5	
232	path	592514.99	4140564.85	1.45E-05	3.71	8.35	0	ANNUAL	DSTPH4	5	
233	path	592614.99	4140564.85	1.34E-05	4.03	4.03	0	ANNUAL	DSTPH4	5	
234	Phase4	590514.99	4140664.85	0.004322	6.14	6.14	0	ANNUAL	DSTPH4	5	
235	Phase4	590614.99	4140664.85	0	7.46	7.46	0	ANNUAL	DSTPH4	5	
236	Phase4	590714.99	4140664.85	0	8.05	8.05	0	ANNUAL	DSTPH4	5	
237	Phase3	590814.99	4140664.85	0.002255	6.03	6.03	0	ANNUAL	DSTPH4	5	
238	Phase3	590914.99	4140664.85	0.000516	8.15	8.15	0	ANNUAL	DSTPH4	5	
239	Phase2	591014.99	4140664.85	0.000257	9.55	9.55	0	ANNUAL	DSTPH4	5	
240	Phase2	591114.99	4140664.85	0.00016	8.51	8.51	0	ANNUAL	DSTPH4	5	

Construction HRA

AERMOD Output - Unmitigated PM Dust

Phase 1

Discrete	Receptor ID (C	X	Y	AVERAGE C	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM	Net ID
PHASE:	1	1	1	1	1	1	1	1	1	1	1
241	Phase2	591214.99	4140664.85	0.000211	7.85	7.85	0	ANNUAL	DSTPH1	5	
242	offsite	591314.99	4140664.85	0.00017	5.87	6.96	0	ANNUAL	DSTPH1	5	
243	offsite	591914.99	4140664.85	2.11E-05	2.86	2.86	0	ANNUAL	DSTPH1	5	
244	offsite	592014.99	4140664.85	1.73E-05	0.59	0.59	0	ANNUAL	DSTPH1	5	
245	offsite	592114.99	4140664.85	1.44E-05	0.72	0.72	0	ANNUAL	DSTPH1	5	
246	offsite	592214.99	4140664.85	1.22E-05	1.1	7.97	0	ANNUAL	DSTPH1	5	
247	path	592314.99	4140664.85	1.06E-05	6.36	6.36	0	ANNUAL	DSTPH1	5	
248	path	592414.99	4140664.85	9.28E-06	3.32	8.18	0	ANNUAL	DSTPH1	5	
249	path	592514.99	4140664.85	8.24E-06	4.15	8.37	0	ANNUAL	DSTPH1	5	
250	Phase4	590514.99	4140764.85	5.44E-05	5.75	5.75	0	ANNUAL	DSTPH1	5	
251	Phase4	590614.99	4140764.85	6.91E-05	7.35	7.35	0	ANNUAL	DSTPH1	5	
252	Phase4	590714.99	4140764.85	8.64E-05	7.36	7.36	0	ANNUAL	DSTPH1	5	
253	Phase3	590814.99	4140764.85	0.000104	7.29	7.29	0	ANNUAL	DSTPH1	5	
254	Phase3	590914.99	4140764.85	0.000119	8.75	8.75	0	ANNUAL	DSTPH1	5	
255	Phase3	591014.99	4140764.85	0.000128	10.09	10.09	0	ANNUAL	DSTPH1	5	
256	Phase2	591114.99	4140764.85	0.000127	7.8	7.8	0	ANNUAL	DSTPH1	5	
257	Phase2	591214.99	4140764.85	0.000111	7.26	7.26	0	ANNUAL	DSTPH1	5	
258	offsite	592014.99	4140764.85	1.55E-05	4	8.16	0	ANNUAL	DSTPH1	5	
259	path	592114.99	4140764.85	1.32E-05	5.72	7.91	0	ANNUAL	DSTPH1	5	
260	path	592214.99	4140764.85	1.14E-05	3.39	7.88	0	ANNUAL	DSTPH1	5	
261	path	592314.99	4140764.85	9.95E-06	6.01	7.75	0	ANNUAL	DSTPH1	5	
262	offsite	590514.99	4140864.85	0	0	0	0	ANNUAL	DSTPH1	5	
263	offsite	590614.99	4140864.85	0	0	0	0	ANNUAL	DSTPH1	5	
264	offsite	590714.99	4140864.85	7.37E-05	3.72	21.76	0	ANNUAL	DSTPH1	5	
265	Phase3	590814.99	4140864.85	8.28E-05	6.98	21.48	0	ANNUAL	DSTPH1	5	
266	Phase3	590914.99	4140864.85	8.81E-05	7.35	7.35	0	ANNUAL	DSTPH1	5	
267	Phase3	591014.99	4140864.85	8.77E-05	8.08	8.08	0	ANNUAL	DSTPH1	5	
268	Phase3	591114.99	4140864.85	8.09E-05	7.05	7.05	0	ANNUAL	DSTPH1	5	
269	offsite	591214.99	4140864.85	6.82E-05	3.8	8.19	0	ANNUAL	DSTPH1	5	
270	Phase7	591314.99	4140864.85	5.29E-05	7.79	7.79	0	ANNUAL	DSTPH1	5	
271	path	591914.99	4140864.85	1.58E-05	4.79	4.79	0	ANNUAL	DSTPH1	5	
272	path	592114.99	4140864.85	1.19E-05	4.72	7.29	0	ANNUAL	DSTPH1	5	
273	offsite	590514.99	4140964.85	0	0	0	0	ANNUAL	DSTPH1	5	
274	offsite	590614.99	4140964.85	0	0	0	0	ANNUAL	DSTPH1	5	
275	Phase5	590714.99	4140964.85	6.1E-05	5.18	25	0	ANNUAL	DSTPH1	5	
276	Phase5	590814.99	4140964.85	6.52E-05	14.34	21.76	0	ANNUAL	DSTPH1	5	
277	Phase5	590914.99	4140964.85	6.53E-05	4.59	25.04	0	ANNUAL	DSTPH1	5	
278	Phase3	591014.99	4140964.85	6.2E-05	6.61	20.9	0	ANNUAL	DSTPH1	5	
279	Phase3	591114.99	4140964.85	5.52E-05	7.37	7.37	0	ANNUAL	DSTPH1	5	
280	Phase7	591214.99	4140964.85	4.64E-05	3.31	8.03	0	ANNUAL	DSTPH1	5	
281	Phase7	591314.99	4140964.85	3.74E-05	9.11	9.11	0	ANNUAL	DSTPH1	5	
282	Phase7	591414.99	4140964.85	3.01E-05	10.23	10.23	0	ANNUAL	DSTPH1	5	
283	Phase8	591514.99	4140964.85	2.44E-05	11.37	11.37	0	ANNUAL	DSTPH1	5	
284	Phase8	591614.99	4140964.85	2.07E-05	7.32	8.44	0	ANNUAL	DSTPH1	5	
285	path	591914.99	4140964.85	1.36E-05	3.02	7.74	0	ANNUAL	DSTPH1	5	
286	offsite	592014.99	4140964.85	1.2E-05	3.54	3.54	0	ANNUAL	DSTPH1	5	
287	offsite	590514.99	4141064.85	0	0	0	0	ANNUAL	DSTPH1	5	
288	offsite	590614.99	4141064.85	0	0	0	0	ANNUAL	DSTPH1	5	
289	Phase5	590714.99	4141064.85	4.99E-05	10.73	25	0	ANNUAL	DSTPH1	5	
290	Phase5	590814.99	4141064.85	4.86E-05	20.92	20.92	0	ANNUAL	DSTPH1	5	
291	Phase5	590914.99	4141064.85	4.73E-05	18.34	20.22	0	ANNUAL	DSTPH1	5	
292	Phase5	591014.99	4141064.85	4.34E-05	16.95	16.95	0	ANNUAL	DSTPH1	5	
293	offsite	591114.99	4141064.85	4E-05	2.44	20.9	0	ANNUAL	DSTPH1	5	
294	Phase7	591214.99	4141064.85	3.39E-05	7.93	7.93	0	ANNUAL	DSTPH1	5	
295	Phase7	591314.99	4141064.85	2.78E-05	11.39	11.39	0	ANNUAL	DSTPH1	5	
296	Phase7	591414.99	4141064.85	2.3E-05	14.01	14.01	0	ANNUAL	DSTPH1	5	
297	Phase8	591514.99	4141064.85	1.95E-05	13.99	13.99	0	ANNUAL	DSTPH1	5	
298	Phase8	591614.99	4141064.85	1.66E-05	12.68	12.68	0	ANNUAL	DSTPH1	5	
299	Phase8	591714.99	4141064.85	1.48E-05	8.37	10.76	0	ANNUAL	DSTPH1	5	
300	path	591814.99	4141064.85	1.3E-05	3.01	7.71	0	ANNUAL	DSTPH1	5	
301	offsite	591914.99	4141064.85	1.17E-05	3.88	3.88	0	ANNUAL	DSTPH1	5	
302	offsite	592014.99	4141064.85	1.06E-05	3.56	3.56	0	ANNUAL	DSTPH1	5	
303	offsite	592114.99	4141064.85	9.56E-06	3.67	3.67	0	ANNUAL	DSTPH1	5	
304	offsite	592214.99	4141064.85	8.64E-06	3.68	3.68	0	ANNUAL	DSTPH1	5	
305	offsite	592314.99	4141064.85	7.84E-06	2.84	2.84	0	ANNUAL	DSTPH1	5	
306	offsite	590514.99	4141164.85	0	0	0	0	ANNUAL	DSTPH1	5	
307	offsite	590614.99	4141164.85	0	0	0	0	ANNUAL	DSTPH1	5	
308	Phase5	590714.99	4141164.85	4.02E-05	16.25	20.23	0	ANNUAL	DSTPH1	5	
309	Phase5	590814.99	4141164.85	3.79E-05	21.61	21.61	0	ANNUAL	DSTPH1	5	
310	Phase5	590914.99	4141164.85	3.62E-05	19	19	0	ANNUAL	DSTPH1	5	
311	offsite	591014.99	4141164.85	3.43E-05	10.8	22.57	0	ANNUAL	DSTPH1	5	
312	Phase6	591114.99	4141164.85	3.04E-05	5.41	8.42	0	ANNUAL	DSTPH1	5	
313	Phase6	591214.99	4141164.85	2.61E-05	9.58	9.58	0	ANNUAL	DSTPH1	5	
314	Phase7	591314.99	4141164.85	2.18E-05	12.79	12.79	0	ANNUAL	DSTPH1	5	
315	Phase8	591414.99	4141164.85	1.86E-05	15.13	15.13	0	ANNUAL	DSTPH1	5	
316	Phase8	591514.99	4141164.85	1.62E-05	14.57	14.57	0	ANNUAL	DSTPH1	5	
317	Phase8	591614.99	4141164.85	1.42E-05	11.3	11.3	0	ANNUAL	DSTPH1	5	
318	path	591714.99	4141164.85	1.27E-05	4.22	7.24	0	ANNUAL	DSTPH1	5	
319	path	591814.99	4141164.85	1.13E-05	5.47	7.17	0	ANNUAL	DSTPH1	5	
320	offsite	591914.99	4141164.85	1.02E-05	4.02	4.02	0	ANNUAL	DSTPH1	5	
321	offsite	592014.99	4141164.85	9.29E-06	3.38	3.38	0	ANNUAL	DSTPH1	5	
322	offsite	592114.99	4141164.85	8.56E-06	3.44	3.44	0	ANNUAL	DSTPH1	5	
323	offsite	592214.99	4141164.85	7.88E-06	3.1	3.1	0	ANNUAL	DSTPH1	5	
324	offsite	592314.99	4141164.85	7.24E-06	3.71	3.71	0	ANNUAL	DSTPH1	5	
325	offsite	590514.99	4141264.85	0	0	0	0	ANNUAL	DSTPH1	5	
326	offsite	590614.99	4141264.85	0	0	0	0	ANNUAL	DSTPH1	5	
327	offsite	590714.99	4141264.85	3.29E-05	12.24	20.35	0	ANNUAL	DSTPH1	5	
328	offsite	590814.99	4141264.85	3.22E-05	5.82	25.04	0	ANNUAL	DSTPH1	5	
329	offsite	590914.99	4141264.85	2.92E-05	14.89	14.89	0	ANNUAL	DSTPH1	5	
330	offsite	591014.99	4141264.85	2.72E-05	2.06	25.04	0	ANNUAL	DSTPH1	5	
331	Phase6	591114.99	4141264.85	2.4E-05	3.89	21.19	0	ANNUAL	DSTPH1	5	
332	offsite	591214.99	4141264.85	2.06E-05	10.76	10.76	0	ANNUAL	DSTPH1	5	
333	Phase6	591314.99	4141264.85	1.77E-05	13.2	13.2	0	ANNUAL	DSTPH1	5	
334	Phase6	591414.99	4141264.85	1.56E-05	13.61	13.61	0	ANNUAL	DSTPH1	5	
335	Phase8	591514.99	4141264.85	1.39E-05	11.97	11.97	0	ANNUAL	DSTPH1	5	
336	path	591614.99	4141264.85	1.24E-05	3.92	12.81	0	ANNUAL	DSTPH1	5	
337	path	591714.99	4141264.85	1.1E-05	3.99	6.33	0	ANNUAL	DSTPH1	5	
338	offsite	591814.99	4141264.85	9.9E-06	3.24	3.24	0	ANNUAL	DSTPH1	5	
339	offsite	591914.99	4141264.85	8.98E-06	3	3	0	ANNUAL	DSTPH1	5	
340	offsite	592014.99	4141264.85	8.24E-06	3.64	3.64	0	ANNUAL	DSTPH1	5	
341	offsite	592114.99	4141264.85	7.65E-06	3.66	3.66	0	ANNUAL	DSTPH1	5	
342	offsite	592214.99	4141264.85	7.14E-06	3.69	3.69	0	ANNUAL	DSTPH1	5	
343	offsite	592314.99	4141264.85	6.67E-06	3.44	3.44	0	ANNUAL	DSTPH1	5	
344	offsite	592414.99	4141264.85	6.2E-06	2.66	2.66	0	ANNUAL	DSTPH1	5	
345	offsite	590514.99	4141364.85	0	0	0	0	ANNUAL	DSTPH1	5	
346	offsite	590614.99	4141364.85	0	0	0	0	ANNUAL	DSTPH1	5	
347	offsite	590714.99	4141364.85	0	0	0	0	ANNUAL	DSTPH1	5	
348	offsite	590814.99	4141364.85	0	0	0	0	ANNUAL	DSTPH1	5	
349	offsite	590914.99	4141364.85	0	0	0	0	ANNUAL	DSTPH1	5	
350	Phase6	591014.99	4141364.85	2.2E-05	7.09	21.25	0	ANNUAL	DSTPH1	5	
351	Phase6	591114.99	4141364.85	1.83E-05	17.95	17.95	0	ANNUAL	DSTPH1	5	
352	Phase6	591214.99	4141364.85	1.63E-05	16.46	16.46	0	ANNUAL	DSTPH1	5	
353	Phase6	591314.99	4141364.85	1.46E-05	15.9	15.9	0	ANNUAL	DSTPH1	5	
354	Phase6	591414.99	4141364.85	1.33E-05	13.57	14.66	0	ANNUAL	DSTPH1	5	
355	Phase6	591514.99	4141364.85	1.22E-05	3.35	14.66	0	ANNUAL	DSTPH1	5	
356	path	591614.99	4141364.85	1.09E-05	2.71	2.71	0	ANNUAL	DSTPH1	5	
357	offsite	591714.99	4141364.85	9.75E-06	2.95	2.95	0	ANNUAL	DSTPH1	5	
358	offsite	591814.99	4141364.85	8.82E-06	4.08	4.08	0	ANNUAL	DSTPH1	5	
359	offsite	591914.99	4141364.85	8.06E-06	3.94	3.94	0	ANNUAL	DSTPH1	5	
360	offsite	592014.99	4141364.85	7.42E-06	3.59	3.59	0	ANNUAL	DSTPH1	5	

Phase 2

Discrete	eptor ID (C	X	Y	AVERAGE C	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM
PHASE:	2	2	2	2	2	2	2	2	2	2
241	Phase2	591214.99	4140664.85	0	7.85	7.85	0	ANNUAL	DSTPH2	5
242	offsite	591314.99	4140664.85	0	5.87	6.96	0	ANNUAL	DSTPH2	5
243	offsite	591914.99	4140664.85	5.62E-05	2.86	2.86	0	ANNUAL	DSTPH2	5
244	offsite	592014.99	4140664.85	4.58E-05	0.59	0.59	0	ANNUAL	DSTPH2	5
245	offsite	592114.99	4140664.85	3.83E-05	0.72	0.72	0	ANNUAL	DSTPH2	5
246	offsite	592214.99	4140664.85	3.27E-05	1.1	7.97	0	ANNUAL	DSTPH2	5
247	path	592314.99	4140664.85	2.84E-05	6.36	6.36	0	ANNUAL	DSTPH2	5
248	path	592414.99	4140664.85	2.5E-05	3.32	8.18	0	ANNUAL	DSTPH2	5
249	path	592514.99	4140664.85	2.23E-05	4.15	8.37	0	ANNUAL	DSTPH2	5
250	Phase4	590514.99	4140764.85	0.000218	5.75	5.75	0	ANNUAL	DSTPH2	5
251	Phase4	590614.99	4140764.85	0.000305	7.35	7.35	0	ANNUAL	DSTPH2	5
252	Phase4	590714.99	4140764.85	0.00041	7.36	7.36	0	ANNUAL	DSTPH2	5
253	Phase3	590814.99	4140764.85	0.000521	7.29	7.29	0	ANNUAL	DSTPH2	5
254	Phase3	590914.99	4140764.85	0.000649	8.75	8.75	0	ANNUAL	DSTPH2	5
255	Phase3	591014.99	4140764.85	0.000836	10.09	10.09	0	ANNUAL	DSTPH2	5
256	Phase2	591114.99	4140764.85	0.002352	7.8	7.8	0	ANNUAL	DSTPH2	5
257	Phase2	591214.99	4140764.85	0	7.26	7.26	0	ANNUAL	DSTPH2	5
258	offsite	592014.99	4140764.85	4.09E-05	4	8.16	0	ANNUAL	DSTPH2	5
259	path	592114.99	4140764.85	3.46E-05	5.72	7.91	0	ANNUAL	DSTPH2	5
260	path	592214.99	4140764.85	2.98E-05	3.39	7.88	0	ANNUAL	DSTPH2	5
261	path	592314.99	4140764.85	2.61E-05	6.01	7.75	0	ANNUAL	DSTPH2	5
262	offsite	590514.99	4140864.85	0	0	0	0	ANNUAL	DSTPH2	5
263	offsite	590614.99	4140864.85	0	0	0	0	ANNUAL	DSTPH2	5
264	offsite	590714.99	4140864.85	0.000324	3.72	21.76	0	ANNUAL	DSTPH2	5
265	Phase3	590814.99	4140864.85	0.000381	6.98	21.48	0	ANNUAL	DSTPH2	5
266	Phase3	590914.99	4140864.85	0.000441	7.35	7.35	0	ANNUAL	DSTPH2	5
267	Phase3	591014.99	4140864.85	0.000521	8.08	8.08	0	ANNUAL	DSTPH2	5
268	Phase3	591114.99	4140864.85	0.000624	7.05	7.05	0	ANNUAL	DSTPH2	5
269	offsite	591214.99	4140864.85	0.00056	3.8	8.19	0	ANNUAL	DSTPH2	5
270	Phase7	591314.99	4140864.85	0.000251	7.79	7.79	0	ANNUAL	DSTPH2	5
271	path	591914.99	4140864.85	4.38E-05	4.79	4.79	0	ANNUAL	DSTPH2	5
272	path	592114.99	4140864.85	3.17E-05	4.72	7.29	0	ANNUAL	DSTPH2	5
273	offsite	590514.99	4140964.85	0	0	0	0	ANNUAL	DSTPH2	5
274	offsite	590614.99	4140964.85	0	0	0	0	ANNUAL	DSTPH2	5
275	Phase5	590714.99	4140964.85	0.000258	5.18	25	0	ANNUAL	DSTPH2	5
276	Phase5	590814.99	4140964.85	0.000286	14.34	21.76	0	ANNUAL	DSTPH2	5
277	Phase5	590914.99	4140964.85	0.000309	4.59	25.04	0	ANNUAL	DSTPH2	5
278	Phase3	591014.99	4140964.85	0.000319	6.61	20.9	0	ANNUAL	DSTPH2	5
279	Phase3	591114.99	4140964.85	0.00029	7.37	7.37	0	ANNUAL	DSTPH2	5
280	Phase7	591214.99	4140964.85	0.000212	3.31	8.03	0	ANNUAL	DSTPH2	5
281	Phase7	591314.99	4140964.85	0.000145	9.11	9.11	0	ANNUAL	DSTPH2	5
282	Phase7	591414.99	4140964.85	0.000106	10.23	10.23	0	ANNUAL	DSTPH2	5
283	Phase8	591514.99	4140964.85	8.16E-05	11.37	11.37	0	ANNUAL	DSTPH2	5
284	Phase8	591614.99	4140964.85	6.66E-05	7.32	8.44	0	ANNUAL	DSTPH2	5
285	path	591914.99	4140964.85	3.9E-05	3.02	7.74	0	ANNUAL	DSTPH2	5
286	offsite	592014.99	4140964.85	3.36E-05	3.54	3.54	0	ANNUAL	DSTPH2	5
287	offsite	590514.99	4141064.85	0	0	0	0	ANNUAL	DSTPH2	5
288	offsite	590614.99	4141064.85	0	0	0	0	ANNUAL	DSTPH2	5
289	Phase5	590714.99	4141064.85	0.000205	10.73	25	0	ANNUAL	DSTPH2	5
290	Phase5	590814.99	4141064.85	0.000202	20.92	20.92	0	ANNUAL	DSTPH2	5
291	Phase5	590914.99	4141064.85	0.000205	18.34	20.22	0	ANNUAL	DSTPH2	5
292	Phase5	591014.99	4141064.85	0.00019	16.95	16.95	0	ANNUAL	DSTPH2	5
293	offsite	591114.99	4141064.85	0.00017	2.44	20.9	0	ANNUAL	DSTPH2	5
294	Phase7	591214.99	4141064.85	0.000131	7.93	7.93	0	ANNUAL	DSTPH2	5
295	Phase7	591314.99	4141064.85	9.78E-05	11.39	11.39	0	ANNUAL	DSTPH2	5
296	Phase7	591414.99	4141064.85	7.6E-05	14.01	14.01	0	ANNUAL	DSTPH2	5
297	Phase8	591514.99	4141064.85	6.24E-05	13.99	13.99	0	ANNUAL	DSTPH2	5
298	Phase8	591614.99	4141064.85	5.3E-05	12.68	12.68	0	ANNUAL	DSTPH2	5
299	Phase8	591714.99	4141064.85	4.6E-05	8.37	10.76	0	ANNUAL	DSTPH2	5
300	path	591814.99	4141064.85	3.98E-05	3.01	7.71	0	ANNUAL	DSTPH2	5
301	offsite	591914.99	4141064.85	3.46E-05	3.88	3.88	0	ANNUAL	DSTPH2	5
302	offsite	592014.99	4141064.85	3.03E-05	3.56	3.56	0	ANNUAL	DSTPH2	5
303	offsite	592114.99	4141064.85	2.68E-05	3.67	3.67	0	ANNUAL	DSTPH2	5
304	offsite	592214.99	4141064.85	2.4E-05	3.68	3.68	0	ANNUAL	DSTPH2	5
305	offsite	592314.99	4141064.85	2.15E-05	2.84	2.84	0	ANNUAL	DSTPH2	5
306	offsite	590514.99	4141164.85	0	0	0	0	ANNUAL	DSTPH2	5
307	offsite	590614.99	4141164.85	0	0	0	0	ANNUAL	DSTPH2	5
308	Phase5	590714.99	4141164.85	0.000159	16.25	20.23	0	ANNUAL	DSTPH2	5
309	Phase5	590814.99	4141164.85	0.000149	21.61	21.61	0	ANNUAL	DSTPH2	5
310	Phase5	590914.99	4141164.85	0.000144	19	19	0	ANNUAL	DSTPH2	5
311	offsite	591014.99	4141164.85	0.000135	10.8	22.57	0	ANNUAL	DSTPH2	5
312	Phase6	591114.99	4141164.85	0.000115	5.41	8.42	0	ANNUAL	DSTPH2	5
313	Phase6	591214.99	4141164.85	9.24E-05	9.58	9.58	0	ANNUAL	DSTPH2	5
314	Phase7	591314.99	4141164.85	7.28E-05	12.79	12.79	0	ANNUAL	DSTPH2	5
315	Phase8	591414.99	4141164.85	5.93E-05	15.13	15.13	0	ANNUAL	DSTPH2	5
316	Phase8	591514.99	4141164.85	5E-05	14.57	14.57	0	ANNUAL	DSTPH2	5
317	Phase8	591614.99	4141164.85	4.4E-05	11.3	11.3	0	ANNUAL	DSTPH2	5
318	path	591714.99	4141164.85	3.9E-05	4.22	7.24	0	ANNUAL	DSTPH2	5
319	path	591814.99	4141164.85	3.44E-05	5.47	7.17	0	ANNUAL	DSTPH2	5
320	offsite	591914.99	4141164.85	3.06E-05	4.02	4.02	0	ANNUAL	DSTPH2	5
321	offsite	592014.99	4141164.85	2.73E-05	3.38	3.38	0	ANNUAL	DSTPH2	5
322	offsite	592114.99	4141164.85	2.45E-05	3.44	3.44	0	ANNUAL	DSTPH2	5
323	offsite	592214.99	4141164.85	2.21E-05	3.1	3.1	0	ANNUAL	DSTPH2	5
324	offsite	592314.99	4141164.85	2.01E-05	3.71	3.71	0	ANNUAL	DSTPH2	5
325	offsite	590514.99	4141264.85	0	0	0	0	ANNUAL	DSTPH2	5
326	offsite	590614.99	4141264.85	0	0	0	0	ANNUAL	DSTPH2	5
327	offsite	590714.99	4141264.85	0.000125	12.24	20.35	0	ANNUAL	DSTPH2	5
328	offsite	590814.99	4141264.85	0.000122	5.82	25.04	0	ANNUAL	DSTPH2	5
329	offsite	590914.99	4141264.85	0.000109	14.89	14.89	0	ANNUAL	DSTPH2	5
330	offsite	591014.99	4141264.85	9.96E-05	2.06	25.04	0	ANNUAL	DSTPH2	5
331	Phase6	591114.99	4141264.85	8.44E-05	3.89	21.19	0	ANNUAL	DSTPH2	5
332	offsite	591214.99	4141264.85	6.93E-05	10.76	10.76	0	ANNUAL	DSTPH2	5
333	Phase6	591314.99	4141264.85	5.75E-05	13.2	13.2	0	ANNUAL	DSTPH2	5
334	Phase6	591414.99	4141264.85	4.88E-05	13.61	13.61	0	ANNUAL	DSTPH2	5
335	Phase8	591514.99	4141264.85	4.22E-05	11.97	11.97	0	ANNUAL	DSTPH2	5
336	path	591614.99	4141264.85	3.77E-05	3.92	12.81	0	ANNUAL	DSTPH2	5
337	path	591714.99	4141264.85	3.34E-05	3.99	6.33	0	ANNUAL	DSTPH2	5
338	offsite	591814.99	4141264.85	2.99E-05	3.24	3.24	0	ANNUAL	DSTPH2	5
339	offsite	591914.99	4141264.85	2.7E-05	3	3	0	ANNUAL	DSTPH2	5
340	offsite	592014.99	4141264.85	2.45E-05	3.64	3.64	0	ANNUAL	DSTPH2	5
341	offsite	592114.99	4141264.85	2.23E-05	3.66	3.66	0	ANNUAL	DSTPH2	5
342	offsite	592214.99	4141264.85	2.04E-05	3.69	3.69	0	ANNUAL	DSTPH2	5
343	offsite	592314.99	4141264.85	1.87E-05	3.44	3.44	0	ANNUAL	DSTPH2	5
344	offsite	592414.99	4141264.85	1.73E-05	2.66	2.66	0	ANNUAL	DSTPH2	5
345	offsite	590514.99	4141364.85	0	0	0	0	ANNUAL	DSTPH2	5
346	offsite	590614.99	4141364.85	0	0	0	0	ANNUAL	DSTPH2	5
347	offsite	590714.99	4141364.85	0	0	0	0	ANNUAL	DSTPH2	5
348	offsite	590814.99	4141364.85	0	0	0	0	ANNUAL	DSTPH2	5
349	offsite	590914.99	4141364.85	0	0	0	0	ANNUAL	DSTPH2	5
350	Phase6	591014.99	4141364.85	7.6E-05	7.09	21.25	0	ANNUAL	DSTPH2	5
351	Phase6	591114.99	4141364.85	6.14E-05	17.95	17.95	0	ANNUAL	DSTPH2	5
352	Phase6	591214.99	4141364.85	5.33E-05	16.46	16.46	0	ANNUAL	DSTPH2	5
353	Phase6	591314.99	4141364.85	4.65E-05	15.9	15.9	0	ANNUAL	DSTPH2	5
354	Phase6	591414.99	4141364.85	4.09E-05	13.57	14.66	0	ANNUAL	DSTPH2	5
355	Phase6	591514.99	4141364.85	3.67E-05	3.35	14.66	0	ANNUAL	DSTPH2	5
356	path	591614.99	4141364.85	3.24E-05	2.71	2.71	0	ANNUAL	DSTPH2	5
357	offsite	591714.99	4141364.85	2.89E-05	2.95	2.95	0	ANNUAL	DSTPH2	5
358	offsite	591814.99	4141364.85	2.62E-05	4.08	4.08	0	ANNUAL	DSTPH2	5
359	offsite	591914.99	4141364.85	2.4E-05	3.94	3.94	0	ANNUAL	DSTPH2	5
360	offsite	592014.99	4141364.85	2.21E-05	3.59	3.59	0	ANNUAL	DSTPH2	5

Phase 3

Discrete	eptor ID (C	X	Y	AVERAGE C	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM
PHASE:	3	3	3	3	3	3	3	3	3	3
241	Phase2	591214.99	4140664.85	0	7.85	7.85	0	ANNUAL	DSTPH3	5
242	offsite	591314.99	4140664.85	0	5.87	6.96	0	ANNUAL	DSTPH3	5
243	offsite	591914.99	4140664.85	0	2.86	2.86	0	ANNUAL	DSTPH3	5
244	offsite	592014.99	4140664.85	0	0.59	0.59	0	ANNUAL	DSTPH3	5
245	offsite	592114.99	4140664.85	0	0.72	0.72	0	ANNUAL	DSTPH3	5
246	offsite	592214.99	4140664.85	0	1.1	7.97	0	ANNUAL	DSTPH3	5
247	path	592314.99	4140664.85	0	6.36	6.36	0	ANNUAL	DSTPH3	5
248	path	592414.99	4140664.85	0	3.32	8.18	0	ANNUAL	DSTPH3	5
249	path	592514.99	4140664.85	0	4.15	8.37	0	ANNUAL	DSTPH3	5
250	Phase4	590514.99	4140764.85	0	5.75	5.75	0	ANNUAL	DSTPH3	5
251	Phase4	590614.99	4140764.85	0	7.35	7.35	0	ANNUAL	DSTPH3	5
252	Phase4	590714.99	4140764.85	0	7.36	7.36	0	ANNUAL	DSTPH3	5
253	Phase3	590814.99	4140764.85	0	7.29	7.29	0	ANNUAL	DSTPH3	5
254	Phase3	590914.99	4140764.85	0	8.75	8.75	0	ANNUAL	DSTPH3	5
255	Phase3	591014.99	4140764.85	0	10.09	10.09	0	ANNUAL	DSTPH3	5
256	Phase2	591114.99	4140764.85	0	7.8	7.8	0	ANNUAL	DSTPH3	5
257	Phase2	591214.99	4140764.85	0	7.26	7.26	0	ANNUAL	DSTPH3	5
258	offsite	592014.99	4140764.85	0	4	8.16	0	ANNUAL	DSTPH3	5
259	path	592114.99	4140764.85	0	5.72	7.91	0	ANNUAL	DSTPH3	5
260	path	592214.99	4140764.85	0	3.39	7.88	0	ANNUAL	DSTPH3	5
261	path	592314.99	4140764.85	0	6.01	7.75	0	ANNUAL	DSTPH3	5
262	offsite	590514.99	4140864.85	0	0	0	0	ANNUAL	DSTPH3	5
263	offsite	590614.99	4140864.85	0	0	0	0	ANNUAL	DSTPH3	5
264	offsite	590714.99	4140864.85	0	3.72	21.76	0	ANNUAL	DSTPH3	5
265	Phase3	590814.99	4140864.85	0	6.98	21.48	0	ANNUAL	DSTPH3	5
266	Phase3	590914.99	4140864.85	0	7.35	7.35	0	ANNUAL	DSTPH3	5
267	Phase3	591014.99	4140864.85	0	8.08	8.08	0	ANNUAL	DSTPH3	5
268	Phase3	591114.99	4140864.85	0	7.05	7.05	0	ANNUAL	DSTPH3	5
269	offsite	591214.99	4140864.85	0	3.8	8.19	0	ANNUAL	DSTPH3	5
270	Phase7	591314.99	4140864.85	0	7.79	7.79	0	ANNUAL	DSTPH3	5
271	path	591914.99	4140864.85	0	4.79	4.79	0	ANNUAL	DSTPH3	5
272	path	592114.99	4140864.85	0	4.72	7.29	0	ANNUAL	DSTPH3	5
273	offsite	590514.99	4140964.85	0	0	0	0	ANNUAL	DSTPH3	5
274	offsite	590614.99	4140964.85	0	0	0	0	ANNUAL	DSTPH3	5
275	Phase5	590714.99	4140964.85	0	5.18	25	0	ANNUAL	DSTPH3	5
276	Phase5	590814.99	4140964.85	0	14.34	21.76	0	ANNUAL	DSTPH3	5
277	Phase5	590914.99	4140964.85	0	4.59	25.04	0	ANNUAL	DSTPH3	5
278	Phase3	591014.99	4140964.85	0	6.61	20.9	0	ANNUAL	DSTPH3	5
279	Phase3	591114.99	4140964.85	0	7.37	7.37	0	ANNUAL	DSTPH3	5
280	Phase7	591214.99	4140964.85	0	3.31	8.03	0	ANNUAL	DSTPH3	5
281	Phase7	591314.99	4140964.85	0	9.11	9.11	0	ANNUAL	DSTPH3	5
282	Phase7	591414.99	4140964.85	0	10.23	10.23	0	ANNUAL	DSTPH3	5
283	Phase8	591514.99	4140964.85	0	11.37	11.37	0	ANNUAL	DSTPH3	5
284	Phase8	591614.99	4140964.85	0	7.32	8.44	0	ANNUAL	DSTPH3	5
285	path	591914.99	4140964.85	0	3.02	7.74	0	ANNUAL	DSTPH3	5
286	offsite	592014.99	4140964.85	0	3.54	3.54	0	ANNUAL	DSTPH3	5
287	offsite	590514.99	4141064.85	0	0	0	0	ANNUAL	DSTPH3	5
288	offsite	590614.99	4141064.85	0	0	0	0	ANNUAL	DSTPH3	5
289	Phase5	590714.99	4141064.85	0	10.73	25	0	ANNUAL	DSTPH3	5
290	Phase5	590814.99	4141064.85	0	20.92	20.92	0	ANNUAL	DSTPH3	5
291	Phase5	590914.99	4141064.85	0	18.34	20.22	0	ANNUAL	DSTPH3	5
292	Phase5	591014.99	4141064.85	0	16.95	16.95	0	ANNUAL	DSTPH3	5
293	offsite	591114.99	4141064.85	0	2.44	20.9	0	ANNUAL	DSTPH3	5
294	Phase7	591214.99	4141064.85	0	7.93	7.93	0	ANNUAL	DSTPH3	5
295	Phase7	591314.99	4141064.85	0	11.39	11.39	0	ANNUAL	DSTPH3	5
296	Phase7	591414.99	4141064.85	0	14.01	14.01	0	ANNUAL	DSTPH3	5
297	Phase8	591514.99	4141064.85	0	13.99	13.99	0	ANNUAL	DSTPH3	5
298	Phase8	591614.99	4141064.85	0	12.68	12.68	0	ANNUAL	DSTPH3	5
299	Phase8	591714.99	4141064.85	0	8.37	10.76	0	ANNUAL	DSTPH3	5
300	path	591814.99	4141064.85	0	3.01	7.71	0	ANNUAL	DSTPH3	5
301	offsite	591914.99	4141064.85	0	3.88	3.88	0	ANNUAL	DSTPH3	5
302	offsite	592014.99	4141064.85	0	3.56	3.56	0	ANNUAL	DSTPH3	5
303	offsite	592114.99	4141064.85	0	3.67	3.67	0	ANNUAL	DSTPH3	5
304	offsite	592214.99	4141064.85	0	3.68	3.68	0	ANNUAL	DSTPH3	5
305	offsite	592314.99	4141064.85	0	2.84	2.84	0	ANNUAL	DSTPH3	5
306	offsite	590514.99	4141164.85	0	0	0	0	ANNUAL	DSTPH3	5
307	offsite	590614.99	4141164.85	0	0	0	0	ANNUAL	DSTPH3	5
308	Phase5	590714.99	4141164.85	0	16.25	20.23	0	ANNUAL	DSTPH3	5
309	Phase5	590814.99	4141164.85	0	21.61	21.61	0	ANNUAL	DSTPH3	5
310	Phase5	590914.99	4141164.85	0	19	19	0	ANNUAL	DSTPH3	5
311	offsite	591014.99	4141164.85	0	10.8	22.57	0	ANNUAL	DSTPH3	5
312	Phase6	591114.99	4141164.85	0	5.41	8.42	0	ANNUAL	DSTPH3	5
313	Phase6	591214.99	4141164.85	0	9.58	9.58	0	ANNUAL	DSTPH3	5
314	Phase7	591314.99	4141164.85	0	12.79	12.79	0	ANNUAL	DSTPH3	5
315	Phase8	591414.99	4141164.85	0	15.13	15.13	0	ANNUAL	DSTPH3	5
316	Phase8	591514.99	4141164.85	0	14.57	14.57	0	ANNUAL	DSTPH3	5
317	Phase8	591614.99	4141164.85	0	11.3	11.3	0	ANNUAL	DSTPH3	5
318	path	591714.99	4141164.85	0	4.22	7.24	0	ANNUAL	DSTPH3	5
319	path	591814.99	4141164.85	0	5.47	7.17	0	ANNUAL	DSTPH3	5
320	offsite	591914.99	4141164.85	0	4.02	4.02	0	ANNUAL	DSTPH3	5
321	offsite	592014.99	4141164.85	0	3.38	3.38	0	ANNUAL	DSTPH3	5
322	offsite	592114.99	4141164.85	0	3.44	3.44	0	ANNUAL	DSTPH3	5
323	offsite	592214.99	4141164.85	0	3.1	3.1	0	ANNUAL	DSTPH3	5
324	offsite	592314.99	4141164.85	0	3.71	3.71	0	ANNUAL	DSTPH3	5
325	offsite	590514.99	4141264.85	0	0	0	0	ANNUAL	DSTPH3	5
326	offsite	590614.99	4141264.85	0	0	0	0	ANNUAL	DSTPH3	5
327	offsite	590714.99	4141264.85	0	12.24	20.35	0	ANNUAL	DSTPH3	5
328	offsite	590814.99	4141264.85	0	5.82	25.04	0	ANNUAL	DSTPH3	5
329	offsite	590914.99	4141264.85	0	14.89	14.89	0	ANNUAL	DSTPH3	5
330	offsite	591014.99	4141264.85	0	2.06	25.04	0	ANNUAL	DSTPH3	5
331	Phase6	591114.99	4141264.85	0	3.89	21.19	0	ANNUAL	DSTPH3	5
332	offsite	591214.99	4141264.85	0	10.76	10.76	0	ANNUAL	DSTPH3	5
333	Phase6	591314.99	4141264.85	0	13.2	13.2	0	ANNUAL	DSTPH3	5
334	Phase6	591414.99	4141264.85	0	13.61	13.61	0	ANNUAL	DSTPH3	5
335	Phase8	591514.99	4141264.85	0	11.97	11.97	0	ANNUAL	DSTPH3	5
336	path	591614.99	4141264.85	0	3.92	12.81	0	ANNUAL	DSTPH3	5
337	path	591714.99	4141264.85	0	3.99	6.33	0	ANNUAL	DSTPH3	5
338	offsite	591814.99	4141264.85	0	3.24	3.24	0	ANNUAL	DSTPH3	5
339	offsite	591914.99	4141264.85	0	3	3	0	ANNUAL	DSTPH3	5
340	offsite	592014.99	4141264.85	0	3.64	3.64	0	ANNUAL	DSTPH3	5
341	offsite	592114.99	4141264.85	0	3.66	3.66	0	ANNUAL	DSTPH3	5
342	offsite	592214.99	4141264.85	0	3.69	3.69	0	ANNUAL	DSTPH3	5
343	offsite	592314.99	4141264.85	0	3.44	3.44	0	ANNUAL	DSTPH3	5
344	offsite	592414.99	4141264.85	0	2.66	2.66	0	ANNUAL	DSTPH3	5
345	offsite	590514.99	4141364.85	0	0	0	0	ANNUAL	DSTPH3	5
346	offsite	590614.99	4141364.85	0	0	0	0	ANNUAL	DSTPH3	5
347	offsite	590714.99	4141364.85	0	0	0	0	ANNUAL	DSTPH3	5
348	offsite	590814.99	4141364.85	0	0	0	0	ANNUAL	DSTPH3	5
349	offsite	590914.99	4141364.85	0	0	0	0	ANNUAL	DSTPH3	5
350	Phase6	591014.99	4141364.85	0	7.09	21.25	0	ANNUAL	DSTPH3	5
351	Phase6	591114.99	4141364.85	0	17.95	17.95	0	ANNUAL	DSTPH3	5
352	Phase6	591214.99	4141364.85	0	16.46	16.46	0	ANNUAL	DSTPH3	5
353	Phase6	591314.99	4141364.85	0	15.9	15.9	0	ANNUAL	DSTPH3	5
354	Phase6	591414.99	4141364.85	0	13.57	14.66	0	ANNUAL	DSTPH3	5
355	Phase6	591514.99	4141364.85	0	3.35	14.66	0	ANNUAL	DSTPH3	5
356	path	591614.99	4141364.85	0	2.71	2.71	0	ANNUAL	DSTPH3	5
357	offsite	591714.99	4141364.85	0	2.95	2.95	0	ANNUAL	DSTPH3	5
358	offsite	591814.99	4141364.85	0	4.08	4.08	0	ANNUAL	DSTPH3	5
359	offsite	591914.99	4141364.85	0	3.94	3.94	0	ANNUAL	DSTPH3	5
360	offsite	592014.99	4141364.85	0	3.59	3.59	0	ANNUAL	DSTPH3	5

Phase 4

Discrete	eptor ID (C	X	Y	AVERAGE C	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM	Net ID
PHASE:	4	4	4	4	4	4	4	4	4	4	4
241	Phase2	591214.99	4140664.85	0.00011	7.85	7.85	0	ANNUAL	DSTPH4	5	
242	offsite	591314.99	4140664.85	8.08E-05	5.87	6.96	0	ANNUAL	DSTPH4	5	
243	offsite	591914.99	4140664.85	2.55E-05	2.86	2.86	0	ANNUAL	DSTPH4	5	
244	offsite	592014.99	4140664.85	2.24E-05	0.59	0.59	0	ANNUAL	DSTPH4	5	
245	offsite	592114.99	4140664.85	2E-05	0.72	0.72	0	ANNUAL	DSTPH4	5	
246	offsite	592214.99	4140664.85	1.8E-05	1.1	7.97	0	ANNUAL	DSTPH4	5	
247	path	592314.99	4140664.85	1.63E-05	6.36	6.36	0	ANNUAL	DSTPH4	5	
248	path	592414.99	4140664.85	1.49E-05	3.32	8.18	0	ANNUAL	DSTPH4	5	
249	path	592514.99	4140664.85	1.37E-05	4.15	8.37	0	ANNUAL	DSTPH4	5	
250	Phase4	590514.99	4140764.85	0.004554	5.75	5.75	0	ANNUAL	DSTPH4	5	
251	Phase4	590614.99	4140764.85	0	7.35	7.35	0	ANNUAL	DSTPH4	5	
252	Phase4	590714.99	4140764.85	0	7.36	7.36	0	ANNUAL	DSTPH4	5	
253	Phase3	590814.99	4140764.85	0.000777	7.29	7.29	0	ANNUAL	DSTPH4	5	
254	Phase3	590914.99	4140764.85	0.000324	8.75	8.75	0	ANNUAL	DSTPH4	5	
255	Phase3	591014.99	4140764.85	0.000183	10.09	10.09	0	ANNUAL	DSTPH4	5	
256	Phase2	591114.99	4140764.85	0.000124	7.8	7.8	0	ANNUAL	DSTPH4	5	
257	Phase2	591214.99	4140764.85	8.94E-05	7.26	7.26	0	ANNUAL	DSTPH4	5	
258	offsite	592014.99	4140764.85	2.07E-05	4	8.16	0	ANNUAL	DSTPH4	5	
259	path	592114.99	4140764.85	1.86E-05	5.72	7.91	0	ANNUAL	DSTPH4	5	
260	path	592214.99	4140764.85	1.68E-05	3.39	7.88	0	ANNUAL	DSTPH4	5	
261	path	592314.99	4140764.85	1.53E-05	6.01	7.75	0	ANNUAL	DSTPH4	5	
262	offsite	590514.99	4140864.85	0	0	0	0	ANNUAL	DSTPH4	5	
263	offsite	590614.99	4140864.85	0	0	0	0	ANNUAL	DSTPH4	5	
264	offsite	590714.99	4140864.85	0.000863	3.72	21.76	0	ANNUAL	DSTPH4	5	
265	Phase3	590814.99	4140864.85	0.000346	6.98	21.48	0	ANNUAL	DSTPH4	5	
266	Phase3	590914.99	4140864.85	0.000201	7.35	7.35	0	ANNUAL	DSTPH4	5	
267	Phase3	591014.99	4140864.85	0.000134	8.08	8.08	0	ANNUAL	DSTPH4	5	
268	Phase3	591114.99	4140864.85	9.71E-05	7.05	7.05	0	ANNUAL	DSTPH4	5	
269	offsite	591214.99	4140864.85	7.38E-05	3.8	8.19	0	ANNUAL	DSTPH4	5	
270	Phase7	591314.99	4140864.85	5.78E-05	7.79	7.79	0	ANNUAL	DSTPH4	5	
271	path	591914.99	4140864.85	2.15E-05	4.79	4.79	0	ANNUAL	DSTPH4	5	
272	path	592114.99	4140864.85	1.73E-05	4.72	7.29	0	ANNUAL	DSTPH4	5	
273	offsite	590514.99	4140964.85	0	0	0	0	ANNUAL	DSTPH4	5	
274	offsite	590614.99	4140964.85	0	0	0	0	ANNUAL	DSTPH4	5	
275	Phase5	590714.99	4140964.85	0.000298	5.18	25	0	ANNUAL	DSTPH4	5	
276	Phase5	590814.99	4140964.85	0.000177	14.34	21.76	0	ANNUAL	DSTPH4	5	
277	Phase5	590914.99	4140964.85	0.000134	4.59	25.04	0	ANNUAL	DSTPH4	5	
278	Phase3	591014.99	4140964.85	9.95E-05	6.61	20.9	0	ANNUAL	DSTPH4	5	
279	Phase3	591114.99	4140964.85	7.7E-05	7.37	7.37	0	ANNUAL	DSTPH4	5	
280	Phase7	591214.99	4140964.85	6.14E-05	3.31	8.03	0	ANNUAL	DSTPH4	5	
281	Phase7	591314.99	4140964.85	4.97E-05	9.11	9.11	0	ANNUAL	DSTPH4	5	
282	Phase7	591414.99	4140964.85	4.08E-05	10.23	10.23	0	ANNUAL	DSTPH4	5	
283	Phase8	591514.99	4140964.85	3.4E-05	11.37	11.37	0	ANNUAL	DSTPH4	5	
284	Phase8	591614.99	4140964.85	2.98E-05	7.32	8.44	0	ANNUAL	DSTPH4	5	
285	path	591914.99	4140964.85	2E-05	3.02	7.74	0	ANNUAL	DSTPH4	5	
286	offsite	592014.99	4140964.85	1.79E-05	3.54	3.54	0	ANNUAL	DSTPH4	5	
287	offsite	590514.99	4141064.85	0	0	0	0	ANNUAL	DSTPH4	5	
288	offsite	590614.99	4141064.85	0	0	0	0	ANNUAL	DSTPH4	5	
289	Phase5	590714.99	4141064.85	0.000166	10.73	25	0	ANNUAL	DSTPH4	5	
290	Phase5	590814.99	4141064.85	0.000106	20.92	20.92	0	ANNUAL	DSTPH4	5	
291	Phase5	590914.99	4141064.85	8.66E-05	18.34	20.22	0	ANNUAL	DSTPH4	5	
292	Phase5	591014.99	4141064.85	7.07E-05	16.95	16.95	0	ANNUAL	DSTPH4	5	
293	offsite	591114.99	4141064.85	6.16E-05	2.44	20.9	0	ANNUAL	DSTPH4	5	
294	Phase7	591214.99	4141064.85	5.1E-05	7.93	7.93	0	ANNUAL	DSTPH4	5	
295	Phase7	591314.99	4141064.85	4.25E-05	11.39	11.39	0	ANNUAL	DSTPH4	5	
296	Phase7	591414.99	4141064.85	3.58E-05	14.01	14.01	0	ANNUAL	DSTPH4	5	
297	Phase8	591514.99	4141064.85	3.07E-05	13.99	13.99	0	ANNUAL	DSTPH4	5	
298	Phase8	591614.99	4141064.85	2.67E-05	12.68	12.68	0	ANNUAL	DSTPH4	5	
299	Phase8	591714.99	4141064.85	2.39E-05	8.37	10.76	0	ANNUAL	DSTPH4	5	
300	path	591814.99	4141064.85	2.12E-05	3.01	7.71	0	ANNUAL	DSTPH4	5	
301	offsite	591914.99	4141064.85	1.9E-05	3.88	3.88	0	ANNUAL	DSTPH4	5	
302	offsite	592014.99	4141064.85	1.71E-05	3.56	3.56	0	ANNUAL	DSTPH4	5	
303	offsite	592114.99	4141064.85	1.55E-05	3.67	3.67	0	ANNUAL	DSTPH4	5	
304	offsite	592214.99	4141064.85	1.41E-05	3.68	3.68	0	ANNUAL	DSTPH4	5	
305	offsite	592314.99	4141064.85	1.3E-05	2.84	2.84	0	ANNUAL	DSTPH4	5	
306	offsite	590514.99	4141164.85	0	0	0	0	ANNUAL	DSTPH4	5	
307	offsite	590614.99	4141164.85	0	0	0	0	ANNUAL	DSTPH4	5	
308	Phase5	590714.99	4141164.85	0.000106	16.25	20.23	0	ANNUAL	DSTPH4	5	
309	Phase5	590814.99	4141164.85	7.85E-05	21.61	21.61	0	ANNUAL	DSTPH4	5	
310	Phase5	590914.99	4141164.85	6.59E-05	19	19	0	ANNUAL	DSTPH4	5	
311	offsite	591014.99	4141164.85	5.8E-05	10.8	22.57	0	ANNUAL	DSTPH4	5	
312	Phase6	591114.99	4141164.85	4.98E-05	5.41	8.42	0	ANNUAL	DSTPH4	5	
313	Phase6	591214.99	4141164.85	4.23E-05	9.58	9.58	0	ANNUAL	DSTPH4	5	
314	Phase7	591314.99	4141164.85	3.62E-05	12.79	12.79	0	ANNUAL	DSTPH4	5	
315	Phase8	591414.99	4141164.85	3.14E-05	15.13	15.13	0	ANNUAL	DSTPH4	5	
316	Phase8	591514.99	4141164.85	2.76E-05	14.57	14.57	0	ANNUAL	DSTPH4	5	
317	Phase8	591614.99	4141164.85	2.45E-05	11.3	11.3	0	ANNUAL	DSTPH4	5	
318	path	591714.99	4141164.85	2.22E-05	4.22	7.24	0	ANNUAL	DSTPH4	5	
319	path	591814.99	4141164.85	1.99E-05	5.47	7.17	0	ANNUAL	DSTPH4	5	
320	offsite	591914.99	4141164.85	1.79E-05	4.02	4.02	0	ANNUAL	DSTPH4	5	
321	offsite	592014.99	4141164.85	1.63E-05	3.38	3.38	0	ANNUAL	DSTPH4	5	
322	offsite	592114.99	4141164.85	1.49E-05	3.44	3.44	0	ANNUAL	DSTPH4	5	
323	offsite	592214.99	4141164.85	1.36E-05	3.1	3.1	0	ANNUAL	DSTPH4	5	
324	offsite	592314.99	4141164.85	1.26E-05	3.71	3.71	0	ANNUAL	DSTPH4	5	
325	offsite	590514.99	4141264.85	0	0	0	0	ANNUAL	DSTPH4	5	
326	offsite	590614.99	4141264.85	0	0	0	0	ANNUAL	DSTPH4	5	
327	offsite	590714.99	4141264.85	8.06E-05	12.24	20.35	0	ANNUAL	DSTPH4	5	
328	offsite	590814.99	4141264.85	6.87E-05	5.82	25.04	0	ANNUAL	DSTPH4	5	
329	offsite	590914.99	4141264.85	5.47E-05	14.89	14.89	0	ANNUAL	DSTPH4	5	
330	offsite	591014.99	4141264.85	4.79E-05	2.06	25.04	0	ANNUAL	DSTPH4	5	
331	Phase6	591114.99	4141264.85	4.11E-05	3.89	21.19	0	ANNUAL	DSTPH4	5	
332	offsite	591214.99	4141264.85	3.52E-05	10.76	10.76	0	ANNUAL	DSTPH4	5	
333	Phase6	591314.99	4141264.85	3.09E-05	13.2	13.2	0	ANNUAL	DSTPH4	5	
334	Phase6	591414.99	4141264.85	2.75E-05	13.61	13.61	0	ANNUAL	DSTPH4	5	
335	Phase8	591514.99	4141264.85	2.47E-05	11.97	11.97	0	ANNUAL	DSTPH4	5	
336	path	591614.99	4141264.85	2.25E-05	3.92	12.81	0	ANNUAL	DSTPH4	5	
337	path	591714.99	4141264.85	2.03E-05	3.99	6.33	0	ANNUAL	DSTPH4	5	
338	offsite	591814.99	4141264.85	1.84E-05	3.24	3.24	0	ANNUAL	DSTPH4	5	
339	offsite	591914.99	4141264.85	1.68E-05	3	3	0	ANNUAL	DSTPH4	5	
340	offsite	592014.99	4141264.85	1.54E-05	3.64	3.64	0	ANNUAL	DSTPH4	5	
341	offsite	592114.99	4141264.85	1.42E-05	3.66	3.66	0	ANNUAL	DSTPH4	5	
342	offsite	592214.99	4141264.85	1.32E-05	3.69	3.69	0	ANNUAL	DSTPH4	5	
343	offsite	592314.99	4141264.85	1.22E-05	3.44	3.44	0	ANNUAL	DSTPH4	5	
344	offsite	592414.99	4141264.85	1.14E-05	2.66	2.66	0	ANNUAL	DSTPH4	5	
345	offsite	590514.99	4141364.85	0	0	0	0	ANNUAL	DSTPH4	5	
346	offsite	590614.99	4141364.85	0	0	0	0	ANNUAL	DSTPH4	5	
347	offsite	590714.99	4141364.85	0	0	0	0	ANNUAL	DSTPH4	5	
348	offsite	590814.99	4141364.85	0	0	0	0	ANNUAL	DSTPH4	5	
349	offsite	590914.99	4141364.85	0	0	0	0	ANNUAL	DSTPH4	5	
350	Phase6	591014.99	4141364.85	3.98E-05	7.09	21.25	0	ANNUAL	DSTPH4	5	
351	Phase6	591114.99	4141364.85	3.24E-05	17.95	17.95	0	ANNUAL	DSTPH4	5	
352	Phase6	591214.99	4141364.85	2.9E-05	16.46	16.46	0	ANNUAL	DSTPH4	5	
353	Phase6	591314.99	4141364.85	2.62E-05	15.9	15.9	0	ANNUAL	DSTPH4	5	
354	Phase6	591414.99	4141364.85	2.4E-05	13.57	14.66	0	ANNUAL	DSTPH4	5	
355	Phase6	591514.99	4141364.85	2.24E-05	3.35	14.66	0	ANNUAL	DSTPH4	5	
356	path	591614.99	4141364.85	2.03E-05	2.71	2.71	0	ANNUAL	DSTPH4	5	
357	offsite	591714.99	4141364.85	1.86E-05	2.95	2.95	0	ANNUAL	DSTPH4	5	
358	offsite	591814.99	4141364.85	1.71E-05	4.08	4.08	0	ANNUAL	DSTPH4	5	
359	offsite	591914.99	4141364.85	1.57E-05	3.94	3.94	0	ANNUAL	DSTPH4	5	
360	offsite	592014.99	4141364.85	1.45E-05	3.59	3.59	0	ANNUAL	DSTPH4	5	

Phase 1

PHASE:	1	1	1	1	1	1	1	1	1	1	1
Discrete	Receptor ID (C	X	Y	(AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM	Net
361	offsite	592114.99	4141364.85	6.89E-06	3.6	3.6	0	ANNUAL	DSTPH1	5	
362	offsite	592214.99	4141364.85	6.47E-06	3.44	3.44	0	ANNUAL	DSTPH1	5	
363	offsite	592314.99	4141364.85	6.11E-06	3.54	3.54	0	ANNUAL	DSTPH1	5	
364	offsite	592414.99	4141364.85	5.77E-06	3.84	3.84	0	ANNUAL	DSTPH1	5	
365	offsite	592514.99	4141364.85	5.42E-06	2.85	2.85	0	ANNUAL	DSTPH1	5	
366	offsite	590614.99	4141464.85	0	0	0	0	ANNUAL	DSTPH1	5	
367	offsite	590714.99	4141464.85	0	0	0	0	ANNUAL	DSTPH1	5	
368	offsite	590814.99	4141464.85	0	0	0	0	ANNUAL	DSTPH1	5	
369	offsite	590914.99	4141464.85	0	0	0	0	ANNUAL	DSTPH1	5	
370	Phase6	591014.99	4141464.85	1.74E-05	14.43	21.25	0	ANNUAL	DSTPH1	5	
371	Phase6	591114.99	4141464.85	1.52E-05	18.19	18.19	0	ANNUAL	DSTPH1	5	
372	Phase6	591214.99	4141464.85	1.36E-05	17.94	17.94	0	ANNUAL	DSTPH1	5	
373	Phase6	591314.99	4141464.85	1.25E-05	14.86	14.86	0	ANNUAL	DSTPH1	5	
374	Phase6	591414.99	4141464.85	1.18E-05	8.61	12.33	0	ANNUAL	DSTPH1	5	
375	path	591514.99	4141464.85	1.07E-05	2.71	6.78	0	ANNUAL	DSTPH1	5	
376	offsite	591614.99	4141464.85	9.69E-06	4.47	6.75	0	ANNUAL	DSTPH1	5	
377	offsite	591714.99	4141464.85	8.73E-06	1.24	1.24	0	ANNUAL	DSTPH1	5	
378	offsite	591814.99	4141464.85	7.95E-06	3.88	3.88	0	ANNUAL	DSTPH1	5	
379	offsite	591914.99	4141464.85	7.31E-06	4.06	4.06	0	ANNUAL	DSTPH1	5	
380	offsite	592014.99	4141464.85	6.76E-06	3.81	3.81	0	ANNUAL	DSTPH1	5	
381	offsite	592114.99	4141464.85	6.29E-06	3.74	3.74	0	ANNUAL	DSTPH1	5	
382	offsite	592214.99	4141464.85	5.91E-06	3.74	3.74	0	ANNUAL	DSTPH1	5	
383	offsite	592314.99	4141464.85	5.6E-06	3.87	3.87	0	ANNUAL	DSTPH1	5	
384	offsite	592414.99	4141464.85	5.33E-06	3.33	3.33	0	ANNUAL	DSTPH1	5	
385	offsite	590814.99	4141564.85	0	0	0	0	ANNUAL	DSTPH1	5	
386	offsite	590914.99	4141564.85	0	0	0	0	ANNUAL	DSTPH1	5	
387	Phase6	591014.99	4141564.85	1.55E-05	3.66	21.32	0	ANNUAL	DSTPH1	5	
388	Phase6	591114.99	4141564.85	1.35E-05	11.04	21.32	0	ANNUAL	DSTPH1	5	
389	Phase6	591214.99	4141564.85	1.18E-05	14.66	14.66	0	ANNUAL	DSTPH1	5	
390	Phase6	591314.99	4141564.85	1.11E-05	11	11	0	ANNUAL	DSTPH1	5	
391	path	591414.99	4141564.85	1.04E-05	3.69	13.72	0	ANNUAL	DSTPH1	5	
392	path	591514.99	4141564.85	9.54E-06	3.27	3.27	0	ANNUAL	DSTPH1	5	
393	offsite	591614.99	4141564.85	8.69E-06	1.05	1.05	0	ANNUAL	DSTPH1	5	
394	offsite	591714.99	4141564.85	7.91E-06	1.29	1.29	0	ANNUAL	DSTPH1	5	
395	offsite	591814.99	4141564.85	7.24E-06	1.69	1.69	0	ANNUAL	DSTPH1	5	
396	offsite	591914.99	4141564.85	6.67E-06	1.56	1.56	0	ANNUAL	DSTPH1	5	
397	offsite	592014.99	4141564.85	6.2E-06	1.62	1.62	0	ANNUAL	DSTPH1	5	
398	offsite	592114.99	4141564.85	5.8E-06	1.94	1.94	0	ANNUAL	DSTPH1	5	
399	offsite	592214.99	4141564.85	5.45E-06	1.85	1.85	0	ANNUAL	DSTPH1	5	
400	offsite	592314.99	4141564.85	5.17E-06	3.8	3.8	0	ANNUAL	DSTPH1	5	
401	offsite	590914.99	4141664.85	0	0	0	0	ANNUAL	DSTPH1	5	
402	Phase6	591014.99	4141664.85	1.33E-05	2.12	21.32	0	ANNUAL	DSTPH1	5	
403	Phase6	591114.99	4141664.85	1.2E-05	0.39	21.32	0	ANNUAL	DSTPH1	5	
404	Phase6	591214.99	4141664.85	1.1E-05	3.15	15.85	0	ANNUAL	DSTPH1	5	
405	Phase6	591314.99	4141664.85	1E-05	2.92	13.27	0	ANNUAL	DSTPH1	5	
406	path	591414.99	4141664.85	9.27E-06	2.71	2.71	0	ANNUAL	DSTPH1	5	
407	offsite	591514.99	4141664.85	8.57E-06	1.78	1.78	0	ANNUAL	DSTPH1	5	
408	offsite	591614.99	4141664.85	7.89E-06	0.62	0.62	0	ANNUAL	DSTPH1	5	
409	offsite	591714.99	4141664.85	7.24E-06	1.25	1.25	0	ANNUAL	DSTPH1	5	
410	offsite	591814.99	4141664.85	6.66E-06	1.5	1.5	0	ANNUAL	DSTPH1	5	
411	offsite	591914.99	4141664.85	6.16E-06	1.62	1.62	0	ANNUAL	DSTPH1	5	
412	offsite	592014.99	4141664.85	5.75E-06	1.93	1.93	0	ANNUAL	DSTPH1	5	
413	offsite	592114.99	4141664.85	5.4E-06	2	2	0	ANNUAL	DSTPH1	5	
414	offsite	592214.99	4141664.85	5.08E-06	2.16	2.16	0	ANNUAL	DSTPH1	5	
415	Phase6	591114.99	4141764.85	1.06E-05	1.95	8.24	0	ANNUAL	DSTPH1	5	
416	Phase6	591214.99	4141764.85	9.71E-06	0.34	8.43	0	ANNUAL	DSTPH1	5	
417	path	591314.99	4141764.85	8.98E-06	3.28	3.28	0	ANNUAL	DSTPH1	5	
418	offsite	591414.99	4141764.85	8.37E-06	4.06	5.57	0	ANNUAL	DSTPH1	5	
419	offsite	591514.99	4141764.85	7.78E-06	1.23	1.23	0	ANNUAL	DSTPH1	5	
420	offsite	591614.99	4141764.85	7.23E-06	1.3	1.3	0	ANNUAL	DSTPH1	5	
421	offsite	591714.99	4141764.85	6.69E-06	1.98	1.98	0	ANNUAL	DSTPH1	5	
422	offsite	591814.99	4141764.85	6.18E-06	1.51	1.51	0	ANNUAL	DSTPH1	5	
423	offsite	591914.99	4141764.85	5.74E-06	2.27	2.27	0	ANNUAL	DSTPH1	5	
424	offsite	592014.99	4141764.85	5.37E-06	2.45	2.45	0	ANNUAL	DSTPH1	5	
425	offsite	592114.99	4141764.85	5.05E-06	2.58	10.47	0	ANNUAL	DSTPH1	5	
426	offsite	590914.99	4141964.85	1.01E-05	4.52	4.52	0	ANNUAL	DSTPH1	5	
427	path	591214.99	4141964.85	7.93E-06	2.45	4.88	0	ANNUAL	DSTPH1	5	
428	path	591314.99	4141964.85	7.42E-06	3.7	5.96	0	ANNUAL	DSTPH1	5	
429	offsite	590814.99	4142064.85	9.88E-06	4.38	4.38	0	ANNUAL	DSTPH1	5	
430	offsite	590914.99	4142064.85	9.16E-06	4.35	4.35	0	ANNUAL	DSTPH1	5	
431	offsite	591014.99	4142064.85	8.47E-06	4.45	4.45	0	ANNUAL	DSTPH1	5	
432	path	591114.99	4142064.85	7.81E-06	2.76	6.01	0	ANNUAL	DSTPH1	5	
433	path	591214.99	4142064.85	7.27E-06	2.77	2.77	0	ANNUAL	DSTPH1	5	
434	offsite	590714.99	4142164.85	9.63E-06	4.93	4.93	0	ANNUAL	DSTPH1	5	
435	offsite	590814.99	4142164.85	8.99E-06	4.16	4.16	0	ANNUAL	DSTPH1	5	
436	path	590914.99	4142164.85	8.36E-06	5.08	5.08	0	ANNUAL	DSTPH1	5	
437	path	591014.99	4142164.85	7.74E-06	2.86	6.59	0	ANNUAL	DSTPH1	5	
438	path	591114.99	4142164.85	7.18E-06	2.73	2.73	0	ANNUAL	DSTPH1	5	
439	path	590414.99	4142264.85	1.03E-05	2.14	2.14	0	ANNUAL	DSTPH1	5	
440	path	590514.99	4142264.85	9.82E-06	1.96	1.96	0	ANNUAL	DSTPH1	5	
441	path	590614.99	4142264.85	9.32E-06	2.25	2.25	0	ANNUAL	DSTPH1	5	
442	path	590714.99	4142264.85	8.77E-06	2.09	2.09	0	ANNUAL	DSTPH1	5	
443	path	590814.99	4142264.85	8.22E-06	2.31	2.31	0	ANNUAL	DSTPH1	5	
444	path	590914.99	4142264.85	7.67E-06	3.69	3.69	0	ANNUAL	DSTPH1	5	
445	path	591014.99	4142264.85	7.16E-06	5.09	6.6	0	ANNUAL	DSTPH1	5	
446	school	591514.99	4142364.85	5.06E-06	2.1	2.1	0	ANNUAL	DSTPH1	5	
447	park	591214.99	4142464.85	5.47E-06	2.46	2.46	0	ANNUAL	DSTPH1	5	
448	park	591314.99	4142464.85	5.19E-06	1.22	1.22	0	ANNUAL	DSTPH1	5	
449	school	591414.99	4142464.85	4.98E-06	2	2	0	ANNUAL	DSTPH1	5	
450	path	590414.99	4142564.85	8.16E-06	3.55	3.55	0	ANNUAL	DSTPH1	5	
451	offsite	590914.99	4142564.85	6.15E-06	1.2	1.2	0	ANNUAL	DSTPH1	5	
452	offsite	591014.99	4142564.85	5.8E-06	3.17	3.17	0	ANNUAL	DSTPH1	5	
453	offsite	591114.99	4142564.85	5.46E-06	3.4	3.4	0	ANNUAL	DSTPH1	5	
454	park	591214.99	4142564.85	5.14E-06	0.83	0.83	0	ANNUAL	DSTPH1	5	
455	park	591314.99	4142564.85	4.9E-06	1.13	1.13	0	ANNUAL	DSTPH1	5	
456	school	591414.99	4142564.85	4.71E-06	1.51	1.51	0	ANNUAL	DSTPH1	5	
457	path	590314.99	4142664.85	7.92E-06	2.69	5.28	0	ANNUAL	DSTPH1	5	
458	offsite	590514.99	4142664.85	7.24E-06	0.8	0.8	0	ANNUAL	DSTPH1	5	
459	offsite	590614.99	4142664.85	6.87E-06	0.53	0.53	0	ANNUAL	DSTPH1	5	
460	offsite	590714.99	4142664.85	6.51E-06	1.02	1.02	0	ANNUAL	DSTPH1	5	
461	offsite	590814.99	4142664.85	6.14E-06	1.74	1.74	0	ANNUAL	DSTPH1	5	
462	offsite	590914.99	4142664.85	5.79E-06	2.63	2.63	0	ANNUAL	DSTPH1	5	
463	offsite	591014.99	4142664.85	5.45E-06	2.02	2.02	0	ANNUAL	DSTPH1	5	
464	park	591214.99	4142664.85	4.87E-06	0.97	0.97	0	ANNUAL	DSTPH1	5	
465	path	590314.99	4142764.85	7.44E-06	3.77	5.39	0	ANNUAL	DSTPH1	5	
466	offsite	590514.99	4142764.85	6.78E-06	0.81	0.81	0	ANNUAL	DSTPH1	5	
467	offsite	590614.99	4142764.85	6.45E-06	0.85	0.85	0	ANNUAL	DSTPH1	5	
468	offsite	590714.99	4142764.85	6.11E-06	1.31	1.31	0	ANNUAL	DSTPH1	5	
469	offsite	590814.99	4142764.85	5.77E-06	1.05	1.05	0	ANNUAL	DSTPH1	5	
470	offsite	590914.99	4142764.85	5.45E-06	1.13	1.13	0	ANNUAL	DSTPH1	5	
471	offsite	591014.99	4142764.85	5.14E-06	0.77	0.77	0	ANNUAL	DSTPH1	5	
472	offsite	591114.99	4142764.85	4.87E-06	1.21	1.21	0	ANNUAL	DSTPH1	5	
473	220 (park)	591239.54	4140294.63	0.000457	4.74	4.74	0	ANNUAL	DSTPH1	5	
474	1219 (park	591338.72	4140348.36	0.000466	4.14	12.49	0	ANNUAL	DSTPH1	5	

Phase 2

PHASE:	2	2	2	2	2	2	2	2	2	2
Discrete	eptor ID (C	X	Y	(AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM
361	offsite	592114.99	4141364.85	2.03E-05	3.6	3.6	0	ANNUAL	DSTPH2	5
362	offsite	592214.99	4141364.85	1.88E-05	3.44	3.44	0	ANNUAL	DSTPH2	5
363	offsite	592314.99	4141364.85	1.74E-05	3.54	3.54	0	ANNUAL	DSTPH2	5
364	offsite	592414.99	4141364.85	1.62E-05	3.84	3.84	0	ANNUAL	DSTPH2	5
365	offsite	592514.99	4141364.85	1.51E-05	2.85	2.85	0	ANNUAL	DSTPH2	5
366	offsite	590614.99	4141464.85	0	0	0	0	ANNUAL	DSTPH2	5
367	offsite	590714.99	4141464.85	0	0	0	0	ANNUAL	DSTPH2	5
368	offsite	590814.99	4141464.85	0	0	0	0	ANNUAL	DSTPH2	5
369	offsite	590914.99	4141464.85	0	0	0	0	ANNUAL	DSTPH2	5
370	Phase6	591014.99	4141464.85	5.78E-05	14.43	21.25	0	ANNUAL	DSTPH2	5
371	Phase6	591114.99	4141464.85	4.95E-05	18.19	18.19	0	ANNUAL	DSTPH2	5
372	Phase6	591214.99	4141464.85	4.35E-05	17.94	17.94	0	ANNUAL	DSTPH2	5
373	Phase6	591314.99	4141464.85	3.92E-05	14.86	14.86	0	ANNUAL	DSTPH2	5
374	Phase6	591414.99	4141464.85	3.58E-05	8.61	12.33	0	ANNUAL	DSTPH2	5
375	path	591514.99	4141464.85	3.18E-05	2.71	6.78	0	ANNUAL	DSTPH2	5
376	offsite	591614.99	4141464.85	2.83E-05	4.47	6.75	0	ANNUAL	DSTPH2	5
377	offsite	591714.99	4141464.85	2.55E-05	1.24	1.24	0	ANNUAL	DSTPH2	5
378	offsite	591814.99	4141464.85	2.33E-05	3.88	3.88	0	ANNUAL	DSTPH2	5
379	offsite	591914.99	4141464.85	2.14E-05	4.06	4.06	0	ANNUAL	DSTPH2	5
380	offsite	592014.99	4141464.85	1.99E-05	3.81	3.81	0	ANNUAL	DSTPH2	5
381	offsite	592114.99	4141464.85	1.85E-05	3.74	3.74	0	ANNUAL	DSTPH2	5
382	offsite	592214.99	4141464.85	1.73E-05	3.74	3.74	0	ANNUAL	DSTPH2	5
383	offsite	592314.99	4141464.85	1.62E-05	3.87	3.87	0	ANNUAL	DSTPH2	5
384	offsite	592414.99	4141464.85	1.52E-05	3.33	3.33	0	ANNUAL	DSTPH2	5
385	offsite	590814.99	4141564.85	0	0	0	0	ANNUAL	DSTPH2	5
386	offsite	590914.99	4141564.85	0	0	0	0	ANNUAL	DSTPH2	5
387	Phase6	591014.99	4141564.85	4.94E-05	3.66	21.32	0	ANNUAL	DSTPH2	5
388	Phase6	591114.99	4141564.85	4.28E-05	11.04	21.32	0	ANNUAL	DSTPH2	5
389	Phase6	591214.99	4141564.85	3.72E-05	14.66	14.66	0	ANNUAL	DSTPH2	5
390	Phase6	591314.99	4141564.85	3.41E-05	11	11	0	ANNUAL	DSTPH2	5
391	path	591414.99	4141564.85	3.12E-05	3.69	13.72	0	ANNUAL	DSTPH2	5
392	path	591514.99	4141564.85	2.8E-05	3.27	3.27	0	ANNUAL	DSTPH2	5
393	offsite	591614.99	4141564.85	2.51E-05	1.05	1.05	0	ANNUAL	DSTPH2	5
394	offsite	591714.99	4141564.85	2.28E-05	1.29	1.29	0	ANNUAL	DSTPH2	5
395	offsite	591814.99	4141564.85	2.09E-05	1.69	1.69	0	ANNUAL	DSTPH2	5
396	offsite	591914.99	4141564.85	1.93E-05	1.56	1.56	0	ANNUAL	DSTPH2	5
397	offsite	592014.99	4141564.85	1.8E-05	1.62	1.62	0	ANNUAL	DSTPH2	5
398	offsite	592114.99	4141564.85	1.69E-05	1.94	1.94	0	ANNUAL	DSTPH2	5
399	offsite	592214.99	4141564.85	1.59E-05	1.85	1.85	0	ANNUAL	DSTPH2	5
400	offsite	592314.99	4141564.85	1.51E-05	3.8	3.8	0	ANNUAL	DSTPH2	5
401	offsite	590914.99	4141664.85	0	0	0	0	ANNUAL	DSTPH2	5
402	Phase6	591014.99	4141664.85	4.15E-05	2.12	21.32	0	ANNUAL	DSTPH2	5
403	Phase6	591114.99	4141664.85	3.71E-05	0.39	21.32	0	ANNUAL	DSTPH2	5
404	Phase6	591214.99	4141664.85	3.35E-05	3.15	15.85	0	ANNUAL	DSTPH2	5
405	Phase6	591314.99	4141664.85	3.03E-05	2.92	13.27	0	ANNUAL	DSTPH2	5
406	path	591414.99	4141664.85	2.75E-05	2.71	2.71	0	ANNUAL	DSTPH2	5
407	offsite	591514.99	4141664.85	2.49E-05	1.78	1.78	0	ANNUAL	DSTPH2	5
408	offsite	591614.99	4141664.85	2.26E-05	0.62	0.62	0	ANNUAL	DSTPH2	5
409	offsite	591714.99	4141664.85	2.06E-05	1.25	1.25	0	ANNUAL	DSTPH2	5
410	offsite	591814.99	4141664.85	1.9E-05	1.5	1.5	0	ANNUAL	DSTPH2	5
411	offsite	591914.99	4141664.85	1.76E-05	1.62	1.62	0	ANNUAL	DSTPH2	5
412	offsite	592014.99	4141664.85	1.65E-05	1.93	1.93	0	ANNUAL	DSTPH2	5
413	offsite	592114.99	4141664.85	1.55E-05	2	2	0	ANNUAL	DSTPH2	5
414	offsite	592214.99	4141664.85	1.47E-05	2.16	2.16	0	ANNUAL	DSTPH2	5
415	Phase6	591114.99	4141764.85	3.22E-05	1.95	8.24	0	ANNUAL	DSTPH2	5
416	Phase6	591214.99	4141764.85	2.92E-05	0.34	8.43	0	ANNUAL	DSTPH2	5
417	path	591314.99	4141764.85	2.68E-05	3.28	3.28	0	ANNUAL	DSTPH2	5
418	offsite	591414.99	4141764.85	2.46E-05	4.06	5.57	0	ANNUAL	DSTPH2	5
419	offsite	591514.99	4141764.85	2.25E-05	1.23	1.23	0	ANNUAL	DSTPH2	5
420	offsite	591614.99	4141764.85	2.06E-05	1.3	1.3	0	ANNUAL	DSTPH2	5
421	offsite	591714.99	4141764.85	1.89E-05	1.98	1.98	0	ANNUAL	DSTPH2	5
422	offsite	591814.99	4141764.85	1.75E-05	1.51	1.51	0	ANNUAL	DSTPH2	5
423	offsite	591914.99	4141764.85	1.63E-05	2.27	2.27	0	ANNUAL	DSTPH2	5
424	offsite	592014.99	4141764.85	1.52E-05	2.45	2.45	0	ANNUAL	DSTPH2	5
425	offsite	592114.99	4141764.85	1.44E-05	2.58	10.47	0	ANNUAL	DSTPH2	5
426	offsite	590914.99	4141964.85	3.01E-05	4.52	4.52	0	ANNUAL	DSTPH2	5
427	path	591214.99	4141964.85	2.34E-05	2.45	4.88	0	ANNUAL	DSTPH2	5
428	path	591314.99	4141964.85	2.18E-05	3.7	5.96	0	ANNUAL	DSTPH2	5
429	offsite	590814.99	4142064.85	2.92E-05	4.38	4.38	0	ANNUAL	DSTPH2	5
430	offsite	590914.99	4142064.85	2.68E-05	4.35	4.35	0	ANNUAL	DSTPH2	5
431	offsite	591014.99	4142064.85	2.47E-05	4.45	4.45	0	ANNUAL	DSTPH2	5
432	path	591114.99	4142064.85	2.28E-05	2.76	6.01	0	ANNUAL	DSTPH2	5
433	path	591214.99	4142064.85	2.12E-05	2.77	2.77	0	ANNUAL	DSTPH2	5
434	offsite	590714.99	4142164.85	2.83E-05	4.93	4.93	0	ANNUAL	DSTPH2	5
435	offsite	590814.99	4142164.85	2.62E-05	4.16	4.16	0	ANNUAL	DSTPH2	5
436	path	590914.99	4142164.85	2.42E-05	5.08	5.08	0	ANNUAL	DSTPH2	5
437	path	591014.99	4142164.85	2.23E-05	2.86	6.59	0	ANNUAL	DSTPH2	5
438	path	591114.99	4142164.85	2.08E-05	2.73	2.73	0	ANNUAL	DSTPH2	5
439	path	590414.99	4142264.85	3.07E-05	2.14	2.14	0	ANNUAL	DSTPH2	5
440	path	590514.99	4142264.85	2.91E-05	1.96	1.96	0	ANNUAL	DSTPH2	5
441	path	590614.99	4142264.85	2.74E-05	2.25	2.25	0	ANNUAL	DSTPH2	5
442	path	590714.99	4142264.85	2.55E-05	2.09	2.09	0	ANNUAL	DSTPH2	5
443	path	590814.99	4142264.85	2.37E-05	2.31	2.31	0	ANNUAL	DSTPH2	5
444	path	590914.99	4142264.85	2.2E-05	3.69	3.69	0	ANNUAL	DSTPH2	5
445	path	591014.99	4142264.85	2.05E-05	5.09	6.6	0	ANNUAL	DSTPH2	5
446	school	591514.99	4142364.85	1.43E-05	2.1	2.1	0	ANNUAL	DSTPH2	5
447	park	591214.99	4142464.85	1.56E-05	2.46	2.46	0	ANNUAL	DSTPH2	5
448	park	591314.99	4142464.85	1.48E-05	1.22	1.22	0	ANNUAL	DSTPH2	5
449	school	591414.99	4142464.85	1.42E-05	2	2	0	ANNUAL	DSTPH2	5
450	path	590414.99	4142564.85	2.37E-05	3.55	3.55	0	ANNUAL	DSTPH2	5
451	offsite	590914.99	4142564.85	1.73E-05	1.2	1.2	0	ANNUAL	DSTPH2	5
452	offsite	591014.99	4142564.85	1.63E-05	3.17	3.17	0	ANNUAL	DSTPH2	5
453	offsite	591114.99	4142564.85	1.54E-05	3.4	3.4	0	ANNUAL	DSTPH2	5
454	park	591214.99	4142564.85	1.46E-05	0.83	0.83	0	ANNUAL	DSTPH2	5
455	park	591314.99	4142564.85	1.4E-05	1.13	1.13	0	ANNUAL	DSTPH2	5
456	school	591414.99	4142564.85	1.34E-05	1.51	1.51	0	ANNUAL	DSTPH2	5
457	path	590314.99	4142664.85	2.3E-05	2.69	5.28	0	ANNUAL	DSTPH2	5
458	offsite	590514.99	4142664.85	2.07E-05	0.8	0.8	0	ANNUAL	DSTPH2	5
459	offsite	590614.99	4142664.85	1.95E-05	0.53	0.53	0	ANNUAL	DSTPH2	5
460	offsite	590714.99	4142664.85	1.84E-05	1.02	1.02	0	ANNUAL	DSTPH2	5
461	offsite	590814.99	4142664.85	1.73E-05	1.74	1.74	0	ANNUAL	DSTPH2	5
462	offsite	590914.99	4142664.85	1.63E-05	2.63	2.63	0	ANNUAL	DSTPH2	5
463	offsite	591014.99	4142664.85	1.53E-05	2.02	2.02	0	ANNUAL	DSTPH2	5
464	park	591214.99	4142664.85	1.38E-05	0.97	0.97	0	ANNUAL	DSTPH2	5
465	path	590314.99	4142764.85	2.15E-05	3.77	5.39	0	ANNUAL	DSTPH2	5
466	offsite	590514.99	4142764.85	1.93E-05	0.81	0.81	0	ANNUAL	DSTPH2	5
467	offsite	590614.99	4142764.85	1.82E-05	0.85	0.85	0	ANNUAL	DSTPH2	5
468	offsite	590714.99	4142764.85	1.72E-05	1.31	1.31	0	ANNUAL	DSTPH2	5
469	offsite	590814.99	4142764.85	1.62E-05	1.05	1.05	0	ANNUAL	DSTPH2	5
470	offsite	590914.99	4142764.85	1.52E-05	1.13	1.13	0	ANNUAL	DSTPH2	5
471	offsite	591014.99	4142764.85	1.44E-05	0.77	0.77	0	ANNUAL	DSTPH2	5
472	offsite	591114.99	4142764.85	1.37E-05	1.21	1.21	0	ANNUAL	DSTPH2	5
473	220 (park)	591239.54	4140294.63	0.000335	4.74	4.74	0	ANNUAL	DSTPH2	5
474	1219 (park	591338.72	4140348.36	0.000362	4.14	12.49	0	ANNUAL	DSTPH2	5

Phase 3

PHASE:	3	3	3	3	3	3	3	3	3	3
Discrete	eptor ID (C	X	Y	(AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM
361	offsite	592114.99	4141364.85	0	3.6	3.6	0	ANNUAL	DSTPH3	5
362	offsite	592214.99	4141364.85	0	3.44	3.44	0	ANNUAL	DSTPH3	5
363	offsite	592314.99	4141364.85	0	3.54	3.54	0	ANNUAL	DSTPH3	5
364	offsite	592414.99	4141364.85	0	3.84	3.84	0	ANNUAL	DSTPH3	5
365	offsite	592514.99	4141364.85	0	2.85	2.85	0	ANNUAL	DSTPH3	5
366	offsite	590614.99	4141464.85	0	0	0	0	ANNUAL	DSTPH3	5
367	offsite	590714.99	4141464.85	0	0	0	0	ANNUAL	DSTPH3	5
368	offsite	590814.99	4141464.85	0	0	0	0	ANNUAL	DSTPH3	5
369	offsite	590914.99	4141464.85	0	0	0	0	ANNUAL	DSTPH3	5
370	Phase6	591014.99	4141464.85	0	14.43	21.25	0	ANNUAL	DSTPH3	5
371	Phase6	591114.99	4141464.85	0	18.19	18.19	0	ANNUAL	DSTPH3	5
372	Phase6	591214.99	4141464.85	0	17.94	17.94	0	ANNUAL	DSTPH3	5
373	Phase6	591314.99	4141464.85	0	14.86	14.86	0	ANNUAL	DSTPH3	5
374	Phase6	591414.99	4141464.85	0	8.61	12.33	0	ANNUAL	DSTPH3	5
375	path	591514.99	4141464.85	0	2.71	6.78	0	ANNUAL	DSTPH3	5
376	offsite	591614.99	4141464.85	0	4.47	6.75	0	ANNUAL	DSTPH3	5
377	offsite	591714.99	4141464.85	0	1.24	1.24	0	ANNUAL	DSTPH3	5
378	offsite	591814.99	4141464.85	0	3.88	3.88	0	ANNUAL	DSTPH3	5
379	offsite	591914.99	4141464.85	0	4.06	4.06	0	ANNUAL	DSTPH3	5
380	offsite	592014.99	4141464.85	0	3.81	3.81	0	ANNUAL	DSTPH3	5
381	offsite	592114.99	4141464.85	0	3.74	3.74	0	ANNUAL	DSTPH3	5
382	offsite	592214.99	4141464.85	0	3.74	3.74	0	ANNUAL	DSTPH3	5
383	offsite	592314.99	4141464.85	0	3.87	3.87	0	ANNUAL	DSTPH3	5
384	offsite	592414.99	4141464.85	0	3.33	3.33	0	ANNUAL	DSTPH3	5
385	offsite	590814.99	4141564.85	0	0	0	0	ANNUAL	DSTPH3	5
386	offsite	590914.99	4141564.85	0	0	0	0	ANNUAL	DSTPH3	5
387	Phase6	591014.99	4141564.85	0	3.66	21.32	0	ANNUAL	DSTPH3	5
388	Phase6	591114.99	4141564.85	0	11.04	21.32	0	ANNUAL	DSTPH3	5
389	Phase6	591214.99	4141564.85	0	14.66	14.66	0	ANNUAL	DSTPH3	5
390	Phase6	591314.99	4141564.85	0	11	11	0	ANNUAL	DSTPH3	5
391	path	591414.99	4141564.85	0	3.69	13.72	0	ANNUAL	DSTPH3	5
392	path	591514.99	4141564.85	0	3.27	3.27	0	ANNUAL	DSTPH3	5
393	offsite	591614.99	4141564.85	0	1.05	1.05	0	ANNUAL	DSTPH3	5
394	offsite	591714.99	4141564.85	0	1.29	1.29	0	ANNUAL	DSTPH3	5
395	offsite	591814.99	4141564.85	0	1.69	1.69	0	ANNUAL	DSTPH3	5
396	offsite	591914.99	4141564.85	0	1.56	1.56	0	ANNUAL	DSTPH3	5
397	offsite	592014.99	4141564.85	0	1.62	1.62	0	ANNUAL	DSTPH3	5
398	offsite	592114.99	4141564.85	0	1.94	1.94	0	ANNUAL	DSTPH3	5
399	offsite	592214.99	4141564.85	0	1.85	1.85	0	ANNUAL	DSTPH3	5
400	offsite	592314.99	4141564.85	0	3.8	3.8	0	ANNUAL	DSTPH3	5
401	offsite	590914.99	4141664.85	0	0	0	0	ANNUAL	DSTPH3	5
402	Phase6	591014.99	4141664.85	0	2.12	21.32	0	ANNUAL	DSTPH3	5
403	Phase6	591114.99	4141664.85	0	0.39	21.32	0	ANNUAL	DSTPH3	5
404	Phase6	591214.99	4141664.85	0	3.15	15.85	0	ANNUAL	DSTPH3	5
405	Phase6	591314.99	4141664.85	0	2.92	13.27	0	ANNUAL	DSTPH3	5
406	path	591414.99	4141664.85	0	2.71	2.71	0	ANNUAL	DSTPH3	5
407	offsite	591514.99	4141664.85	0	1.78	1.78	0	ANNUAL	DSTPH3	5
408	offsite	591614.99	4141664.85	0	0.62	0.62	0	ANNUAL	DSTPH3	5
409	offsite	591714.99	4141664.85	0	1.25	1.25	0	ANNUAL	DSTPH3	5
410	offsite	591814.99	4141664.85	0	1.5	1.5	0	ANNUAL	DSTPH3	5
411	offsite	591914.99	4141664.85	0	1.62	1.62	0	ANNUAL	DSTPH3	5
412	offsite	592014.99	4141664.85	0	1.93	1.93	0	ANNUAL	DSTPH3	5
413	offsite	592114.99	4141664.85	0	2	2	0	ANNUAL	DSTPH3	5
414	offsite	592214.99	4141664.85	0	2.16	2.16	0	ANNUAL	DSTPH3	5
415	Phase6	591114.99	4141764.85	0	1.95	8.24	0	ANNUAL	DSTPH3	5
416	Phase6	591214.99	4141764.85	0	0.34	8.43	0	ANNUAL	DSTPH3	5
417	path	591314.99	4141764.85	0	3.28	3.28	0	ANNUAL	DSTPH3	5
418	offsite	591414.99	4141764.85	0	4.06	5.57	0	ANNUAL	DSTPH3	5
419	offsite	591514.99	4141764.85	0	1.23	1.23	0	ANNUAL	DSTPH3	5
420	offsite	591614.99	4141764.85	0	1.3	1.3	0	ANNUAL	DSTPH3	5
421	offsite	591714.99	4141764.85	0	1.98	1.98	0	ANNUAL	DSTPH3	5
422	offsite	591814.99	4141764.85	0	1.51	1.51	0	ANNUAL	DSTPH3	5
423	offsite	591914.99	4141764.85	0	2.27	2.27	0	ANNUAL	DSTPH3	5
424	offsite	592014.99	4141764.85	0	2.45	2.45	0	ANNUAL	DSTPH3	5
425	offsite	592114.99	4141764.85	0	2.58	10.47	0	ANNUAL	DSTPH3	5
426	offsite	590914.99	4141964.85	0	4.52	4.52	0	ANNUAL	DSTPH3	5
427	path	591214.99	4141964.85	0	2.45	4.88	0	ANNUAL	DSTPH3	5
428	path	591314.99	4141964.85	0	3.7	5.96	0	ANNUAL	DSTPH3	5
429	offsite	590814.99	4142064.85	0	4.38	4.38	0	ANNUAL	DSTPH3	5
430	offsite	590914.99	4142064.85	0	4.35	4.35	0	ANNUAL	DSTPH3	5
431	offsite	591014.99	4142064.85	0	4.45	4.45	0	ANNUAL	DSTPH3	5
432	path	591114.99	4142064.85	0	2.76	6.01	0	ANNUAL	DSTPH3	5
433	path	591214.99	4142064.85	0	2.77	2.77	0	ANNUAL	DSTPH3	5
434	offsite	590714.99	4142164.85	0	4.93	4.93	0	ANNUAL	DSTPH3	5
435	offsite	590814.99	4142164.85	0	4.16	4.16	0	ANNUAL	DSTPH3	5
436	path	590914.99	4142164.85	0	5.08	5.08	0	ANNUAL	DSTPH3	5
437	path	591014.99	4142164.85	0	2.86	6.59	0	ANNUAL	DSTPH3	5
438	path	591114.99	4142164.85	0	2.73	2.73	0	ANNUAL	DSTPH3	5
439	path	590414.99	4142264.85	0	2.14	2.14	0	ANNUAL	DSTPH3	5
440	path	590514.99	4142264.85	0	1.96	1.96	0	ANNUAL	DSTPH3	5
441	path	590614.99	4142264.85	0	2.25	2.25	0	ANNUAL	DSTPH3	5
442	path	590714.99	4142264.85	0	2.09	2.09	0	ANNUAL	DSTPH3	5
443	path	590814.99	4142264.85	0	2.31	2.31	0	ANNUAL	DSTPH3	5
444	path	590914.99	4142264.85	0	3.69	3.69	0	ANNUAL	DSTPH3	5
445	path	591014.99	4142264.85	0	5.09	6.6	0	ANNUAL	DSTPH3	5
446	school	591514.99	4142364.85	0	2.1	2.1	0	ANNUAL	DSTPH3	5
447	park	591214.99	4142464.85	0	2.46	2.46	0	ANNUAL	DSTPH3	5
448	park	591314.99	4142464.85	0	1.22	1.22	0	ANNUAL	DSTPH3	5
449	school	591414.99	4142464.85	0	2	2	0	ANNUAL	DSTPH3	5
450	path	590414.99	4142564.85	0	3.55	3.55	0	ANNUAL	DSTPH3	5
451	offsite	590914.99	4142564.85	0	1.2	1.2	0	ANNUAL	DSTPH3	5
452	offsite	591014.99	4142564.85	0	3.17	3.17	0	ANNUAL	DSTPH3	5
453	offsite	591114.99	4142564.85	0	3.4	3.4	0	ANNUAL	DSTPH3	5
454	park	591214.99	4142564.85	0	0.83	0.83	0	ANNUAL	DSTPH3	5
455	park	591314.99	4142564.85	0	1.13	1.13	0	ANNUAL	DSTPH3	5
456	school	591414.99	4142564.85	0	1.51	1.51	0	ANNUAL	DSTPH3	5
457	path	590314.99	4142664.85	0	2.69	5.28	0	ANNUAL	DSTPH3	5
458	offsite	590514.99	4142664.85	0	0.8	0.8	0	ANNUAL	DSTPH3	5
459	offsite	590614.99	4142664.85	0	0.53	0.53	0	ANNUAL	DSTPH3	5
460	offsite	590714.99	4142664.85	0	1.02	1.02	0	ANNUAL	DSTPH3	5
461	offsite	590814.99	4142664.85	0	1.74	1.74	0	ANNUAL	DSTPH3	5
462	offsite	590914.99	4142664.85	0	2.63	2.63	0	ANNUAL	DSTPH3	5
463	offsite	591014.99	4142664.85	0	2.02	2.02	0	ANNUAL	DSTPH3	5
464	park	591214.99	4142664.85	0	0.97	0.97	0	ANNUAL	DSTPH3	5
465	path	590314.99	4142764.85	0	3.77	5.39	0	ANNUAL	DSTPH3	5
466	offsite	590514.99	4142764.85	0	0.81	0.81	0	ANNUAL	DSTPH3	5
467	offsite	590614.99	4142764.85	0	0.85	0.85	0	ANNUAL	DSTPH3	5
468	offsite	590714.99	4142764.85	0	1.31	1.31	0	ANNUAL	DSTPH3	5
469	offsite	590814.99	4142764.85	0	1.05	1.05	0	ANNUAL	DSTPH3	5
470	offsite	590914.99	4142764.85	0	1.13	1.13	0	ANNUAL	DSTPH3	5
471	offsite	591014.99	4142764.85	0	0.77	0.77	0	ANNUAL	DSTPH3	5
472	offsite	591114.99	4142764.85	0	1.21	1.21	0	ANNUAL	DSTPH3	5
473	220 (park)	591239.54	4140294.63	0	4.74	4.74	0	ANNUAL	DSTPH3	5
474	1219 (park	591338.72	4140348.36	0	4.14	12.49	0	ANNUAL	DSTPH3	5

Phase 4

PHASE:	4	4	4	4	4	4	4	4	4	4	4
Discrete	eptor ID (C	X	Y	(AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	ce Group (	Years (NUM	Net ID
361	offsite	592114.99	4141364.85	1.35E-05	3.6	3.6	0	ANNUAL	DSTPH4	5	
362	offsite	592214.99	4141364.85	1.26E-05	3.44	3.44	0	ANNUAL	DSTPH4	5	
363	offsite	592314.99	4141364.85	1.18E-05	3.54	3.54	0	ANNUAL	DSTPH4	5	
364	offsite	592414.99	4141364.85	1.1E-05	3.84	3.84	0	ANNUAL	DSTPH4	5	
365	offsite	592514.99	4141364.85	1.04E-05	2.85	2.85	0	ANNUAL	DSTPH4	5	
366	offsite	590614.99	4141464.85	0	0	0	0	ANNUAL	DSTPH4	5	
367	offsite	590714.99	4141464.85	0	0	0	0	ANNUAL	DSTPH4	5	
368	offsite	590814.99	4141464.85	0	0	0	0	ANNUAL	DSTPH4	5	
369	offsite	590914.99	4141464.85	0	0	0	0	ANNUAL	DSTPH4	5	
370	Phase6	591014.99	4141464.85	3.27E-05	14.43	21.25	0	ANNUAL	DSTPH4	5	
371	Phase6	591114.99	4141464.85	2.79E-05	18.19	18.19	0	ANNUAL	DSTPH4	5	
372	Phase6	591214.99	4141464.85	2.48E-05	17.94	17.94	0	ANNUAL	DSTPH4	5	
373	Phase6	591314.99	4141464.85	2.28E-05	14.86	14.86	0	ANNUAL	DSTPH4	5	
374	Phase6	591414.99	4141464.85	2.17E-05	8.61	12.33	0	ANNUAL	DSTPH4	5	
375	path	591514.99	4141464.85	2E-05	2.71	6.78	0	ANNUAL	DSTPH4	5	
376	offsite	591614.99	4141464.85	1.84E-05	4.47	6.75	0	ANNUAL	DSTPH4	5	
377	offsite	591714.99	4141464.85	1.7E-05	1.24	1.24	0	ANNUAL	DSTPH4	5	
378	offsite	591814.99	4141464.85	1.58E-05	3.88	3.88	0	ANNUAL	DSTPH4	5	
379	offsite	591914.99	4141464.85	1.46E-05	4.06	4.06	0	ANNUAL	DSTPH4	5	
380	offsite	592014.99	4141464.85	1.36E-05	3.81	3.81	0	ANNUAL	DSTPH4	5	
381	offsite	592114.99	4141464.85	1.27E-05	3.74	3.74	0	ANNUAL	DSTPH4	5	
382	offsite	592214.99	4141464.85	1.19E-05	3.74	3.74	0	ANNUAL	DSTPH4	5	
383	offsite	592314.99	4141464.85	1.12E-05	3.87	3.87	0	ANNUAL	DSTPH4	5	
384	offsite	592414.99	4141464.85	1.06E-05	3.33	3.33	0	ANNUAL	DSTPH4	5	
385	offsite	590814.99	4141564.85	0	0	0	0	ANNUAL	DSTPH4	5	
386	offsite	590914.99	4141564.85	0	0	0	0	ANNUAL	DSTPH4	5	
387	Phase6	591014.99	4141564.85	2.93E-05	3.66	21.32	0	ANNUAL	DSTPH4	5	
388	Phase6	591114.99	4141564.85	2.53E-05	11.04	21.32	0	ANNUAL	DSTPH4	5	
389	Phase6	591214.99	4141564.85	2.21E-05	14.66	14.66	0	ANNUAL	DSTPH4	5	
390	Phase6	591314.99	4141564.85	2.05E-05	11	11	0	ANNUAL	DSTPH4	5	
391	path	591414.99	4141564.85	1.94E-05	3.69	13.72	0	ANNUAL	DSTPH4	5	
392	path	591514.99	4141564.85	1.79E-05	3.27	3.27	0	ANNUAL	DSTPH4	5	
393	offsite	591614.99	4141564.85	1.67E-05	1.05	1.05	0	ANNUAL	DSTPH4	5	
394	offsite	591714.99	4141564.85	1.56E-05	1.29	1.29	0	ANNUAL	DSTPH4	5	
395	offsite	591814.99	4141564.85	1.46E-05	1.69	1.69	0	ANNUAL	DSTPH4	5	
396	offsite	591914.99	4141564.85	1.36E-05	1.56	1.56	0	ANNUAL	DSTPH4	5	
397	offsite	592014.99	4141564.85	1.28E-05	1.62	1.62	0	ANNUAL	DSTPH4	5	
398	offsite	592114.99	4141564.85	1.2E-05	1.94	1.94	0	ANNUAL	DSTPH4	5	
399	offsite	592214.99	4141564.85	1.13E-05	1.85	1.85	0	ANNUAL	DSTPH4	5	
400	offsite	592314.99	4141564.85	1.07E-05	3.8	3.8	0	ANNUAL	DSTPH4	5	
401	offsite	590914.99	4141664.85	0	0	0	0	ANNUAL	DSTPH4	5	
402	Phase6	591014.99	4141664.85	2.57E-05	2.12	21.32	0	ANNUAL	DSTPH4	5	
403	Phase6	591114.99	4141664.85	2.3E-05	0.39	21.32	0	ANNUAL	DSTPH4	5	
404	Phase6	591214.99	4141664.85	2.08E-05	3.15	15.85	0	ANNUAL	DSTPH4	5	
405	Phase6	591314.99	4141664.85	1.9E-05	2.92	13.27	0	ANNUAL	DSTPH4	5	
406	path	591414.99	4141664.85	1.75E-05	2.71	2.71	0	ANNUAL	DSTPH4	5	
407	offsite	591514.99	4141664.85	1.62E-05	1.78	1.78	0	ANNUAL	DSTPH4	5	
408	offsite	591614.99	4141664.85	1.51E-05	0.62	0.62	0	ANNUAL	DSTPH4	5	
409	offsite	591714.99	4141664.85	1.43E-05	1.25	1.25	0	ANNUAL	DSTPH4	5	
410	offsite	591814.99	4141664.85	1.35E-05	1.5	1.5	0	ANNUAL	DSTPH4	5	
411	offsite	591914.99	4141664.85	1.27E-05	1.62	1.62	0	ANNUAL	DSTPH4	5	
412	offsite	592014.99	4141664.85	1.2E-05	1.93	1.93	0	ANNUAL	DSTPH4	5	
413	offsite	592114.99	4141664.85	1.14E-05	2	2	0	ANNUAL	DSTPH4	5	
414	offsite	592214.99	4141664.85	1.07E-05	2.16	2.16	0	ANNUAL	DSTPH4	5	
415	Phase6	591114.99	4141764.85	2.07E-05	1.95	8.24	0	ANNUAL	DSTPH4	5	
416	Phase6	591214.99	4141764.85	1.88E-05	0.34	8.43	0	ANNUAL	DSTPH4	5	
417	path	591314.99	4141764.85	1.73E-05	3.28	3.28	0	ANNUAL	DSTPH4	5	
418	offsite	591414.99	4141764.85	1.6E-05	4.06	5.57	0	ANNUAL	DSTPH4	5	
419	offsite	591514.99	4141764.85	1.48E-05	1.23	1.23	0	ANNUAL	DSTPH4	5	
420	offsite	591614.99	4141764.85	1.39E-05	1.3	1.3	0	ANNUAL	DSTPH4	5	
421	offsite	591714.99	4141764.85	1.31E-05	1.98	1.98	0	ANNUAL	DSTPH4	5	
422	offsite	591814.99	4141764.85	1.25E-05	1.51	1.51	0	ANNUAL	DSTPH4	5	
423	offsite	591914.99	4141764.85	1.19E-05	2.27	2.27	0	ANNUAL	DSTPH4	5	
424	offsite	592014.99	4141764.85	1.13E-05	2.45	2.45	0	ANNUAL	DSTPH4	5	
425	offsite	592114.99	4141764.85	1.08E-05	2.58	10.47	0	ANNUAL	DSTPH4	5	
426	offsite	590914.99	4141964.85	2.02E-05	4.52	4.52	0	ANNUAL	DSTPH4	5	
427	path	591214.99	4141964.85	1.58E-05	2.45	4.88	0	ANNUAL	DSTPH4	5	
428	path	591314.99	4141964.85	1.47E-05	3.7	5.96	0	ANNUAL	DSTPH4	5	
429	offsite	590814.99	4142064.85	1.96E-05	4.38	4.38	0	ANNUAL	DSTPH4	5	
430	offsite	590914.99	4142064.85	1.84E-05	4.35	4.35	0	ANNUAL	DSTPH4	5	
431	offsite	591014.99	4142064.85	1.72E-05	4.45	4.45	0	ANNUAL	DSTPH4	5	
432	path	591114.99	4142064.85	1.59E-05	2.76	6.01	0	ANNUAL	DSTPH4	5	
433	path	591214.99	4142064.85	1.47E-05	2.77	2.77	0	ANNUAL	DSTPH4	5	
434	offsite	590714.99	4142164.85	1.9E-05	4.93	4.93	0	ANNUAL	DSTPH4	5	
435	offsite	590814.99	4142164.85	1.78E-05	4.16	4.16	0	ANNUAL	DSTPH4	5	
436	path	590914.99	4142164.85	1.68E-05	5.08	5.08	0	ANNUAL	DSTPH4	5	
437	path	591014.99	4142164.85	1.58E-05	2.86	6.59	0	ANNUAL	DSTPH4	5	
438	path	591114.99	4142164.85	1.48E-05	2.73	2.73	0	ANNUAL	DSTPH4	5	
439	path	590414.99	4142264.85	2.2E-05	2.14	2.14	0	ANNUAL	DSTPH4	5	
440	path	590514.99	4142264.85	2.02E-05	1.96	1.96	0	ANNUAL	DSTPH4	5	
441	path	590614.99	4142264.85	1.87E-05	2.25	2.25	0	ANNUAL	DSTPH4	5	
442	path	590714.99	4142264.85	1.74E-05	2.09	2.09	0	ANNUAL	DSTPH4	5	
443	path	590814.99	4142264.85	1.64E-05	2.31	2.31	0	ANNUAL	DSTPH4	5	
444	path	590914.99	4142264.85	1.55E-05	3.69	3.69	0	ANNUAL	DSTPH4	5	
445	path	591014.99	4142264.85	1.47E-05	5.09	6.6	0	ANNUAL	DSTPH4	5	
446	school	591514.99	4142364.85	1.02E-05	2.1	2.1	0	ANNUAL	DSTPH4	5	
447	park	591214.99	4142464.85	1.16E-05	2.46	2.46	0	ANNUAL	DSTPH4	5	
448	park	591314.99	4142464.85	1.09E-05	1.22	1.22	0	ANNUAL	DSTPH4	5	
449	school	591414.99	4142464.85	1.03E-05	2	2	0	ANNUAL	DSTPH4	5	
450	path	590414.99	4142564.85	1.69E-05	3.55	3.55	0	ANNUAL	DSTPH4	5	
451	offsite	590914.99	4142564.85	1.26E-05	1.2	1.2	0	ANNUAL	DSTPH4	5	
452	offsite	591014.99	4142564.85	1.21E-05	3.17	3.17	0	ANNUAL	DSTPH4	5	
453	offsite	591114.99	4142564.85	1.16E-05	3.4	3.4	0	ANNUAL	DSTPH4	5	
454	park	591214.99	4142564.85	1.1E-05	0.83	0.83	0	ANNUAL	DSTPH4	5	
455	park	591314.99	4142564.85	1.04E-05	1.13	1.13	0	ANNUAL	DSTPH4	5	
456	school	591414.99	4142564.85	9.85E-06	1.51	1.51	0	ANNUAL	DSTPH4	5	
457	path	590314.99	4142664.85	1.68E-05	2.69	5.28	0	ANNUAL	DSTPH4	5	
458	offsite	590514.99	4142664.85	1.46E-05	0.8	0.8	0	ANNUAL	DSTPH4	5	
459	offsite	590614.99	4142664.85	1.37E-05	0.53	0.53	0	ANNUAL	DSTPH4	5	
460	offsite	590714.99	4142664.85	1.3E-05	1.02	1.02	0	ANNUAL	DSTPH4	5	
461	offsite	590814.99	4142664.85	1.24E-05	1.74	1.74	0	ANNUAL	DSTPH4	5	
462	offsite	590914.99	4142664.85	1.19E-05	2.63	2.63	0	ANNUAL	DSTPH4	5	
463	offsite	591014.99	4142664.85	1.15E-05	2.02	2.02	0	ANNUAL	DSTPH4	5	
464	park	591214.99	4142664.85	1.05E-05	0.97	0.97	0	ANNUAL	DSTPH4	5	
465	path	590314.99	4142764.85	1.57E-05	3.77	5.39	0	ANNUAL	DSTPH4	5	
466	offsite	590514.99	4142764.85	1.37E-05	0.81	0.81	0	ANNUAL	DSTPH4	5	
467	offsite	590614.99	4142764.85	1.29E-05	0.85	0.85	0	ANNUAL	DSTPH4	5	
468	offsite	590714.99	4142764.85	1.22E-05	1.31	1.31	0	ANNUAL	DSTPH4	5	
469	offsite	590814.99	4142764.85	1.17E-05	1.05	1.05	0	ANNUAL	DSTPH4	5	
470	offsite	590914.99	4142764.85	1.12E-05	1.13	1.13	0	ANNUAL	DSTPH4	5	
471	offsite	591014.99	4142764.85	1.09E-05	0.77	0.77	0	ANNUAL	DSTPH4	5	
472	offsite	591114.99	4142764.85	1.05E-05	1.21	1.21	0	ANNUAL	DSTPH4	5	
473	220 (park)	591239.54	4140294.63	0.000131	4.74	4.74	0	ANNUAL	DSTPH4	5	
474	1219 (park	591338.72	4140348.36	0.000107	4.14	12.49	0	ANNUAL	DSTPH4	5	

Phase 5

5	5	5	5	5	5	5	5	5	5
eptor ID (	X	Y	AVERAGE (	vation (ZEL	Heights (Zl	gpole (ZFL	gin Period	rce Group (	Years (NUN
offsite	589514.99	4139265	3.57E-06	5.95	5.95	0	ANNUAL	DSTPH5	5
offsite	589614.99	4139265	3.7E-06	5.84	5.84	0	ANNUAL	DSTPH5	5
offsite	591314.99	4139265	1.28E-05	4.8	8.3	0	ANNUAL	DSTPH5	5
offsite	591414.99	4139265	1.44E-05	5.66	5.66	0	ANNUAL	DSTPH5	5
offsite	591514.99	4139265	1.59E-05	6.19	6.19	0	ANNUAL	DSTPH5	5
offsite	591614.99	4139265	1.73E-05	5.85	5.85	0	ANNUAL	DSTPH5	5
offsite	591714.99	4139265	1.85E-05	5.82	5.82	0	ANNUAL	DSTPH5	5
offsite	591814.99	4139265	1.95E-05	5.65	5.65	0	ANNUAL	DSTPH5	5
offsite	591914.99	4139265	2.04E-05	5.73	5.73	0	ANNUAL	DSTPH5	5
offsite	592014.99	4139265	2.1E-05	5.77	5.77	0	ANNUAL	DSTPH5	5
offsite	592114.99	4139265	2.13E-05	6.08	6.08	0	ANNUAL	DSTPH5	5
offsite	592214.99	4139265	2.15E-05	6.13	6.13	0	ANNUAL	DSTPH5	5
offsite	592314.99	4139265	2.16E-05	5.67	5.67	0	ANNUAL	DSTPH5	5
offsite	592414.99	4139265	2.14E-05	5.51	5.51	0	ANNUAL	DSTPH5	5
offsite	592514.99	4139265	2.12E-05	6.23	6.23	0	ANNUAL	DSTPH5	5
offsite	592614.99	4139265	2.08E-05	6.27	6.27	0	ANNUAL	DSTPH5	5
offsite	592714.99	4139265	2.04E-05	5.38	5.38	0	ANNUAL	DSTPH5	5
offsite	592814.99	4139265	1.99E-05	5.03	5.03	0	ANNUAL	DSTPH5	5
offsite	589514.99	4139365	3.72E-06	5.69	5.69	0	ANNUAL	DSTPH5	5
offsite	589614.99	4139365	3.86E-06	5.45	5.45	0	ANNUAL	DSTPH5	5
offsite	591314.99	4139365	1.45E-05	4.71	7.49	0	ANNUAL	DSTPH5	5
offsite	591414.99	4139365	1.62E-05	5.05	5.05	0	ANNUAL	DSTPH5	5
offsite	591514.99	4139365	1.79E-05	6.14	6.14	0	ANNUAL	DSTPH5	5
offsite	591614.99	4139365	1.94E-05	5.74	5.74	0	ANNUAL	DSTPH5	5
offsite	591714.99	4139365	2.07E-05	5.85	5.85	0	ANNUAL	DSTPH5	5
offsite	591814.99	4139365	2.18E-05	5.14	5.14	0	ANNUAL	DSTPH5	5
offsite	591914.99	4139365	2.26E-05	5.1	5.1	0	ANNUAL	DSTPH5	5
offsite	592014.99	4139365	2.31E-05	5.51	5.51	0	ANNUAL	DSTPH5	5
offsite	592114.99	4139365	2.34E-05	5.9	5.9	0	ANNUAL	DSTPH5	5
offsite	592214.99	4139365	2.34E-05	6.13	6.13	0	ANNUAL	DSTPH5	5
offsite	592314.99	4139365	2.33E-05	5.47	5.47	0	ANNUAL	DSTPH5	5
offsite	592414.99	4139365	2.3E-05	5.32	5.32	0	ANNUAL	DSTPH5	5
offsite	592514.99	4139365	2.26E-05	4.72	4.72	0	ANNUAL	DSTPH5	5
offsite	592614.99	4139365	2.21E-05	4.72	4.72	0	ANNUAL	DSTPH5	5
offsite	592714.99	4139365	2.15E-05	4.52	4.52	0	ANNUAL	DSTPH5	5
offsite	592814.99	4139365	2.09E-05	5.45	5.45	0	ANNUAL	DSTPH5	5
offsite	589514.99	4139465	3.87E-06	5.23	5.23	0	ANNUAL	DSTPH5	5
offsite	589614.99	4139465	4.03E-06	4.88	4.88	0	ANNUAL	DSTPH5	5
offsite	591314.99	4139465	1.65E-05	5.88	5.88	0	ANNUAL	DSTPH5	5
offsite	591414.99	4139465	1.85E-05	4.99	4.99	0	ANNUAL	DSTPH5	5
offsite	591514.99	4139465	2.04E-05	5.11	5.11	0	ANNUAL	DSTPH5	5
offsite	591614.99	4139465	2.2E-05	5.32	5.32	0	ANNUAL	DSTPH5	5
offsite	591714.99	4139465	2.33E-05	5.82	5.82	0	ANNUAL	DSTPH5	5
offsite	591814.99	4139465	2.44E-05	6.1	6.1	0	ANNUAL	DSTPH5	5
offsite	591914.99	4139465	2.51E-05	5.7	5.7	0	ANNUAL	DSTPH5	5
offsite	592014.99	4139465	2.55E-05	5.61	5.61	0	ANNUAL	DSTPH5	5
offsite	592114.99	4139465	2.56E-05	5.12	5.12	0	ANNUAL	DSTPH5	5
offsite	592214.99	4139465	2.55E-05	6.08	6.08	0	ANNUAL	DSTPH5	5
offsite	592314.99	4139465	2.52E-05	5.36	5.36	0	ANNUAL	DSTPH5	5
offsite	592414.99	4139465	2.47E-05	5.09	5.09	0	ANNUAL	DSTPH5	5
offsite	592514.99	4139465	2.41E-05	5.33	5.33	0	ANNUAL	DSTPH5	5
offsite	592614.99	4139465	2.34E-05	5.68	5.68	0	ANNUAL	DSTPH5	5
offsite	592714.99	4139465	2.27E-05	4.38	4.38	0	ANNUAL	DSTPH5	5
offsite	592814.99	4139465	2.2E-05	4.95	4.95	0	ANNUAL	DSTPH5	5
offsite	589514.99	4139565	4.01E-06	5.31	5.31	0	ANNUAL	DSTPH5	5
offsite	589614.99	4139565	4.21E-06	5.1	5.1	0	ANNUAL	DSTPH5	5
offsite	591314.99	4139565	1.89E-05	5.34	5.34	0	ANNUAL	DSTPH5	5
offsite	591414.99	4139565	2.12E-05	5	5	0	ANNUAL	DSTPH5	5
offsite	591514.99	4139565	2.33E-05	5.02	5.02	0	ANNUAL	DSTPH5	5
offsite	591614.99	4139565	2.5E-05	5.19	5.19	0	ANNUAL	DSTPH5	5
offsite	591714.99	4139565	2.64E-05	4.95	4.95	0	ANNUAL	DSTPH5	5
offsite	591814.99	4139565	2.74E-05	5.33	5.33	0	ANNUAL	DSTPH5	5
offsite	591914.99	4139565	2.79E-05	5.52	5.52	0	ANNUAL	DSTPH5	5
offsite	592014.99	4139565	2.81E-05	5.34	5.34	0	ANNUAL	DSTPH5	5
offsite	592114.99	4139565	2.8E-05	5.09	5.09	0	ANNUAL	DSTPH5	5
offsite	592214.99	4139565	2.77E-05	5.16	5.16	0	ANNUAL	DSTPH5	5
offsite	592314.99	4139565	2.72E-05	5.04	5.04	0	ANNUAL	DSTPH5	5
offsite	592414.99	4139565	2.65E-05	5.35	5.35	0	ANNUAL	DSTPH5	5
offsite	592514.99	4139565	2.57E-05	5.13	5.13	0	ANNUAL	DSTPH5	5
offsite	592614.99	4139565	2.48E-05	4.86	4.86	0	ANNUAL	DSTPH5	5
offsite	592714.99	4139565	2.39E-05	4.64	4.64	0	ANNUAL	DSTPH5	5
offsite	592814.99	4139565	2.31E-05	4.78	4.78	0	ANNUAL	DSTPH5	5
offsite	589514.99	4139665	4.15E-06	4.97	4.97	0	ANNUAL	DSTPH5	5
offsite	589614.99	4139665	4.39E-06	4.87	4.87	0	ANNUAL	DSTPH5	5
offsite	591214.99	4139665	1.92E-05	4.69	7.97	0	ANNUAL	DSTPH5	5
offsite	591314.99	4139665	2.2E-05	5.55	5.55	0	ANNUAL	DSTPH5	5
offsite	591414.99	4139665	2.46E-05	4.66	4.66	0	ANNUAL	DSTPH5	5
offsite	591514.99	4139665	2.69E-05	5.44	5.44	0	ANNUAL	DSTPH5	5
offsite	591614.99	4139665	2.87E-05	4.97	4.97	0	ANNUAL	DSTPH5	5
offsite	591714.99	4139665	3E-05	4.9	4.9	0	ANNUAL	DSTPH5	5
offsite	591814.99	4139665	3.08E-05	4.95	4.95	0	ANNUAL	DSTPH5	5
offsite	591914.99	4139665	3.12E-05	5.06	5.06	0	ANNUAL	DSTPH5	5
offsite	592014.99	4139665	3.11E-05	4.36	4.36	0	ANNUAL	DSTPH5	5
offsite	592114.99	4139665	3.08E-05	4.87	4.87	0	ANNUAL	DSTPH5	5
offsite	592214.99	4139665	3.01E-05	4.83	4.83	0	ANNUAL	DSTPH5	5
offsite	592314.99	4139665	2.93E-05	4.73	4.73	0	ANNUAL	DSTPH5	5
offsite	592414.99	4139665	2.83E-05	5.21	5.21	0	ANNUAL	DSTPH5	5
offsite	592514.99	4139665	2.73E-05	4.6	4.6	0	ANNUAL	DSTPH5	5
offsite	592614.99	4139665	2.63E-05	4.83	4.83	0	ANNUAL	DSTPH5	5
offsite	592714.99	4139665	2.52E-05	5.03	5.03	0	ANNUAL	DSTPH5	5
offsite	592814.99	4139665	2.42E-05	4.38	4.38	0	ANNUAL	DSTPH5	5
offsite	589514.99	4139765	4.31E-06	4.95	4.95	0	ANNUAL	DSTPH5	5
offsite	589614.99	4139765	4.57E-06	5.53	5.53	0	ANNUAL	DSTPH5	5
offsite	591414.99	4139765	2.88E-05	5.13	5.13	0	ANNUAL	DSTPH5	5
offsite	591514.99	4139765	3.13E-05	5.55	5.55	0	ANNUAL	DSTPH5	5
offsite	591614.99	4139765	3.31E-05	4.47	4.47	0	ANNUAL	DSTPH5	5
offsite	591714.99	4139765	3.43E-05	4.87	4.87	0	ANNUAL	DSTPH5	5
offsite	591814.99	4139765	3.49E-05	4.36	4.36	0	ANNUAL	DSTPH5	5
offsite	591914.99	4139765	3.49E-05	4.89	4.89	0	ANNUAL	DSTPH5	5
offsite	592014.99	4139765	3.45E-05	4.91	4.91	0	ANNUAL	DSTPH5	5
offsite	592114.99	4139765	3.37E-05	4.63	4.63	0	ANNUAL	DSTPH5	5
offsite	592214.99	4139765	3.27E-05	4.4	4.4	0	ANNUAL	DSTPH5	5
offsite	592314.99	4139765	3.16E-05	4.39	4.39	0	ANNUAL	DSTPH5	5
offsite	592414.99	4139765	3.03E-05	4.36	4.36	0	ANNUAL	DSTPH5	5
offsite	592514.99	4139765	2.9E-05	3.88	3.88	0	ANNUAL	DSTPH5	5
offsite	592614.99	4139765	2.77E-05	4.21	4.21	0	ANNUAL	DSTPH5	5
offsite	592714.99	4139765	2.64E-05	4.4	4.4	0	ANNUAL	DSTPH5	5
offsite	592814.99	4139765	2.52E-05	4.67	4.67	0	ANNUAL	DSTPH5	5
offsite	589514.99	4139865	4.53E-06	4.25	4.25	0	ANNUAL	DSTPH5	5
offsite	589614.99	4139865	4.79E-06	5.04	5.04	0	ANNUAL	DSTPH5	5
offsite	591514.99	4139865	3.67E-05	5.06	5.06	0	ANNUAL	DSTPH5	5
offsite	591614.99	4139865	3.84E-05	4.53	4.53	0	ANNUAL	DSTPH5	5
offsite	591714.99	4139865	3.93E-05	4.68	4.68	0	ANNUAL	DSTPH5	5
offsite	591814.99	4139865	3.95E-05	4.54	4.54	0	ANNUAL	DSTPH5	5
offsite	591914.99	4139865	3.9E-05	4.67	4.67	0	ANNUAL	DSTPH5	5
offsite	592014.99	4139865	3.81E-05	4.49	4.49	0	ANNUAL	DSTPH5	5
offsite	592114.99	4139865	3.69E-05	4.37	4.37	0	ANNUAL	DSTPH5	5
offsite	592214.99	4139865	3.55E-05	4.47	4.47	0	ANNUAL	DSTPH5	5
offsite	592314.99	4139865	3.39E-05	4.32	4.32	0	ANNUAL	DSTPH5	5
offsite	592414.99	4139865	3.23E-05	4.4	4.4	0	ANNUAL	DSTPH5	5

Phase 6

6	6	6	6	6	6	6	6	6	6
eptor ID (	X	Y	AVERAGE (	vation (ZEL	Heights (Zl	gpole (ZFL	gin Period	rce Group (	Years (NUN
offsite	589515	4139265	2.07E-06	5.95	5.95	0	ANNUAL	DSTPH6	5
offsite	589615	4139265	2.13E-06	5.84	5.84	0	ANNUAL	DSTPH6	5
offsite	591315	4139265	4.42E-06	4.8	8.3	0	ANNUAL	DSTPH6	5
offsite	591415	4139265	4.88E-06	5.66	5.66	0	ANNUAL	DSTPH6	5
offsite	591515	4139265	5.42E-06	6.19	6.19	0	ANNUAL	DSTPH6	5
offsite	591615	4139265	6.06E-06	5.85	5.85	0	ANNUAL	DSTPH6	5
offsite	591715	4139265	6.76E-06	5.82	5.82	0	ANNUAL	DSTPH6	5
offsite	591815	4139265	7.51E-06	5.65	5.65	0	ANNUAL	DSTPH6	5
offsite	591915	4139265	8.26E-06	5.73	5.73	0	ANNUAL	DSTPH6	5
offsite	592015	4139265	8.98E-06	5.77	5.77	0	ANNUAL	DSTPH6	5
offsite	592115	4139265	9.66E-06	6.08	6.08	0	ANNUAL	DSTPH6	5
offsite	592215	4139265	1.03E-05	6.13	6.13	0	ANNUAL	DSTPH6	5
offsite	592315	4139265	1.08E-05	5.67	5.67	0	ANNUAL	DSTPH6	5
offsite	592415	4139265	1.13E-05	5.51	5.51	0	ANNUAL	DSTPH6	5
offsite	592515	4139265	1.17E-05	6.23	6.23	0	ANNUAL	DSTPH6	5
offsite	592615	4139265	1.2E-05	6.27	6.27	0	ANNUAL	DSTPH6	5
offsite	592715	4139265	1.22E-05	5.38	5.38	0	ANNUAL	DSTPH6	5
offsite	592815	4139265	1.23E-05	5.03	5.03	0	ANNUAL	DSTPH6	5
offsite	589515	4139365	2.12E-06	5.69	5.69	0	ANNUAL	DSTPH6	5
offsite	589615	4139365	2.19E-06	5.45	5.45	0	ANNUAL	DSTPH6	5
offsite	591315	4139365	4.77E-06	4.71	7.49	0	ANNUAL	DSTPH6	5
offsite	591415	4139365	5.3E-06	5.05	5.05	0	ANNUAL	DSTPH6	5
offsite	591515	4139365	5.92E-06	6.14	6.14	0	ANNUAL	DSTPH6	5
offsite	591615	4139365	6.65E-06	5.74	5.74	0	ANNUAL	DSTPH6	5
offsite	591715	4139365	7.45E-06	5.85	5.85	0	ANNUAL	DSTPH6	5
offsite	591815	4139365	8.29E-06	5.14	5.14	0	ANNUAL	DSTPH6	5
offsite	591915	4139365	9.12E-06	5.1	5.1	0	ANNUAL	DSTPH6	5
offsite	592015	4139365	9.91E-06	5.51	5.51	0	ANNUAL	DSTPH6	5
offsite	592115	4139365	1.06E-05	5.9	5.9	0	ANNUAL	DSTPH6	5
offsite	592215	4139365	1.13E-05	6.13	6.13	0	ANNUAL	DSTPH6	5
offsite	592315	4139365	1.19E-05	5.47	5.47	0	ANNUAL	DSTPH6	5
offsite	592415	4139365	1.23E-05	5.32	5.32	0	ANNUAL	DSTPH6	5
offsite	592515	4139365	1.27E-05	4.72	4.72	0	ANNUAL	DSTPH6	5
offsite	592615	4139365	1.29E-05	4.72	4.72	0	ANNUAL	DSTPH6	5
offsite	592715	4139365	1.31E-05	4.52	4.52	0	ANNUAL	DSTPH6	5
offsite	592815	4139365	1.31E-05	5.45	5.45	0	ANNUAL	DSTPH6	5
offsite	589515	4139465	2.18E-06	5.23	5.23	0	ANNUAL	DSTPH6	5
offsite	589615	4139465	2.26E-06	4.88	4.88	0	ANNUAL	DSTPH6	5
offsite	591315	4139465	5.17E-06	5.88	5.88	0	ANNUAL	DSTPH6	5
offsite	591415	4139465	5.78E-06	4.99	4.99	0	ANNUAL	DSTPH6	5
offsite	591515	4139465	6.51E-06	5.11	5.11	0	ANNUAL	DSTPH6	5
offsite	591615	4139465	7.35E-06	5.32	5.32	0	ANNUAL	DSTPH6	5
offsite	591715	4139465	8.26E-06	5.82	5.82	0	ANNUAL	DSTPH6	5
offsite	591815	4139465	9.2E-06	6.1	6.1	0	ANNUAL	DSTPH6	5
offsite	591915	4139465	1.01E-05	5.7	5.7	0	ANNUAL	DSTPH6	5
offsite	592015	4139465	1.1E-05	5.61	5.61	0	ANNUAL	DSTPH6	5
offsite	592115	4139465	1.18E-05	5.12	5.12	0	ANNUAL	DSTPH6	5
offsite	592215	4139465	1.25E-05	6.08	6.08	0	ANNUAL	DSTPH6	5
offsite	592315	4139465	1.3E-05	5.36	5.36	0	ANNUAL	DSTPH6	5
offsite	592415	4139465	1.35E-05	5.09	5.09	0	ANNUAL	DSTPH6	5
offsite	592515	4139465	1.38E-05	5.33	5.33	0	ANNUAL	DSTPH6	5
offsite	592615	4139465	1.4E-05	5.68	5.68	0	ANNUAL	DSTPH6	5
offsite	592715	4139465	1.41E-05	4.38	4.38	0	ANNUAL	DSTPH6	5
offsite	592815	4139465	1.41E-05	4.95	4.95	0	ANNUAL	DSTPH6	5
offsite	589515	4139565	2.23E-06	5.31	5.31	0	ANNUAL	DSTPH6	5
offsite	589615	4139565	2.32E-06	5.1	5.1	0	ANNUAL	DSTPH6	5
offsite	591315	4139565	5.64E-06	5.34	5.34	0	ANNUAL	DSTPH6	5
offsite	591415	4139565	6.36E-06	5	5	0	ANNUAL	DSTPH6	5
offsite	591515	4139565	7.21E-06	5.02	5.02	0	ANNUAL	DSTPH6	5
offsite	591615	4139565	8.18E-06	5.19	5.19	0	ANNUAL	DSTPH6	5
offsite	591715	4139565	9.22E-06	4.95	4.95	0	ANNUAL	DSTPH6	5
offsite	591815	4139565	1.03E-05	5.33	5.33	0	ANNUAL	DSTPH6	5
offsite	591915	4139565	1.13E-05	5.52	5.52	0	ANNUAL	DSTPH6	5
offsite	592015	4139565	1.23E-05	5.34	5.34	0	ANNUAL	DSTPH6	5
offsite	592115	4139565	1.31E-05	5.09	5.09	0	ANNUAL	DSTPH6	5
offsite	592215	4139565	1.38E-05	5.16	5.16	0	ANNUAL	DSTPH6	5
offsite	592315	4139565	1.44E-05	5.04	5.04	0	ANNUAL	DSTPH6	5
offsite	592415	4139565	1.48E-05	5.35	5.35	0	ANNUAL	DSTPH6	5
offsite	592515	4139565	1.5E-05	5.13	5.13	0	ANNUAL	DSTPH6	5
offsite	592615	4139565	1.52E-05	4.86	4.86	0	ANNUAL	DSTPH6	5
offsite	592715	4139565	1.52E-05	4.64	4.64	0	ANNUAL	DSTPH6	5
offsite	592815	4139565	1.51E-05	4.78	4.78	0	ANNUAL	DSTPH6	5
offsite	589515	4139665	2.29E-06	4.97	4.97	0	ANNUAL	DSTPH6	5
offsite	589615	4139665	2.38E-06	4.87	4.87	0	ANNUAL	DSTPH6	5
offsite	591215	4139665	5.51E-06	4.69	7.97	0	ANNUAL	DSTPH6	5
offsite	591315	4139665	6.2E-06	5.55	5.55	0	ANNUAL	DSTPH6	5
offsite	591415	4139665	7.04E-06	4.66	4.66	0	ANNUAL	DSTPH6	5
offsite	591515	4139665	8.05E-06	5.44	5.44	0	ANNUAL	DSTPH6	5
offsite	591615	4139665	9.18E-06	4.97	4.97	0	ANNUAL	DSTPH6	5
offsite	591715	4139665	1.04E-05	4.9	4.9	0	ANNUAL	DSTPH6	5
offsite	591815	4139665	1.16E-05	4.95	4.95	0	ANNUAL	DSTPH6	5
offsite	591915	4139665	1.27E-05	5.06	5.06	0	ANNUAL	DSTPH6	5
offsite	592015	4139665	1.37E-05	4.36	4.36	0	ANNUAL	DSTPH6	5
offsite	592115	4139665	1.46E-05	4.87	4.87	0	ANNUAL	DSTPH6	5
offsite	592215	4139665	1.53E-05	4.83	4.83	0	ANNUAL	DSTPH6	5
offsite	592315	4139665	1.59E-05	4.73	4.73	0	ANNUAL	DSTPH6	5
offsite	592415	4139665	1.62E-05	5.21	5.21	0	ANNUAL	DSTPH6	5
offsite	592515	4139665	1.64E-05	4.6	4.6	0	ANNUAL	DSTPH6	5
offsite	592615	4139665	1.65E-05	4.83	4.83	0	ANNUAL	DSTPH6	5
offsite	592715	4139665	1.64E-05	5.03	5.03	0	ANNUAL	DSTPH6	5
offsite	592815	4139665	1.62E-05	4.38	4.38	0	ANNUAL	DSTPH6	5
offsite	589515	4139765	2.36E-06	4.95	4.95	0	ANNUAL	DSTPH6	5
offsite	589615	4139765	2.45E-06	5.53	5.53	0	ANNUAL	DSTPH6	5
offsite	591415	4139765	7.87E-06	5.13	5.13	0	ANNUAL	DSTPH6	5
offsite	591515	4139765	9.06E-06	5.55	5.55	0	ANNUAL	DSTPH6	5
offsite	591615	4139765	1.04E-05	4.47	4.47	0	ANNUAL	DSTPH6	5
offsite	591715	4139765	1.18E-05	4.87	4.87	0	ANNUAL	DSTPH6	5
offsite	591815	4139765	1.31E-05	4.36	4.36	0	ANNUAL	DSTPH6	5
offsite	591915	4139765	1.44E-05	4.89	4.89	0	ANNUAL	DSTPH6	5
offsite	592015	4139765	1.55E-05	4.91	4.91	0	ANNUAL	DSTPH6	5
offsite	592115	4139765	1.64E-05	4.63	4.63	0	ANNUAL	DSTPH6	5
offsite	592215	4139765	1.71E-05	4.4	4.4	0	ANNUAL	DSTPH6	5
offsite	592315	4139765	1.76E-05	4.39	4.39	0	ANNUAL	DSTPH6	5
offsite	592415	4139765	1.78E-05	4.36	4.36	0	ANNUAL	DSTPH6	5
offsite	592515	4139765	1.79E-05	3.88	3.88	0	ANNUAL	DSTPH6	5
offsite	592615	4139765	1.79E-05	4.21	4.21	0	ANNUAL	DSTPH6	5
offsite	592715	4139765	1.77E-05	4.4	4.4	0	ANNUAL	DSTPH6	5
offsite	592815	4139765	1.74E-05	4.67	4.67	0	ANNUAL	DSTPH6	5
offsite	589515	4139865	2.44E-06	4.25	4.25	0	ANNUAL	DSTPH6	5
offsite	589615	4139865	2.54E-06	5.04	5.04	0	ANNUAL	DSTPH6	5
offsite	591515	4139865	1.03E-05	5.06	5.06	0	ANNUAL	DSTPH6	5
offsite	591615	4139865	1.19E-05	4.53	4.53	0	ANNUAL	DSTPH6	5
offsite	591715	4139865	1.35E-05	4.68	4.68	0	ANNUAL	DSTPH6	5
offsite	591815	4139865	1.5E-05	4.54	4.54	0	ANNUAL	DSTPH6	5
offsite	591915	4139865	1.64E-05	4.67	4.67	0	ANNUAL	DSTPH6	5
offsite	592015	4139865	1.76E-05	4.49	4.49	0	ANNUAL	DSTPH6	5
offsite	592115	4139865	1.85E-05	4.37	4.37	0	ANNUAL	DSTPH6	5
offsite	592215	4139865	1.91E-05	4.47	4.47	0	ANNUAL	DSTPH6	5
offsite	592315	4139865	1.95E-05	4.32	4.32	0	ANNUAL	DSTPH6	5
offsite	592415	4139865	1.97E-05	4.4	4.4	0	ANNUAL	DSTPH6	5

Phase 7

7	7	7	7	7	7	7	7	7	7
eptor ID (	X	Y	AVERAGE (	vation (ZEL	Heights (Zl	gpole (ZFL	gin Period	rce Group (	Years (NUN
offsite	589515	4139265	1.35E-06	5.95	5.95	0	ANNUAL	DSTPH7	5
offsite	589615	4139265	1.41E-06	5.84	5.84	0	ANNUAL	DSTPH7	5
offsite	591315	4139265	3.41E-06	4.8	8.3	0	ANNUAL	DSTPH7	5
offsite	591415	4139265	3.83E-06	5.66	5.66	0	ANNUAL	DSTPH7	5
offsite	591515	4139265	4.36E-06	6.19	6.19	0	ANNUAL	DSTPH7	5
offsite	591615	4139265	5.01E-06	5.85	5.85	0	ANNUAL	DSTPH7	5
offsite	591715	4139265	5.75E-06	5.82	5.82	0	ANNUAL	DSTPH7	5
offsite	591815	4139265	6.55E-06	5.65	5.65	0	ANNUAL	DSTPH7	5
offsite	591915	4139265	7.35E-06	5.73	5.73	0	ANNUAL	DSTPH7	5
offsite	592015	4139265	8.1E-06	5.77	5.77	0	ANNUAL	DSTPH7	5
offsite	592115	4139265	8.77E-06	6.08	6.08	0	ANNUAL	DSTPH7	5
offsite	592215	4139265	9.35E-06	6.13	6.13	0	ANNUAL	DSTPH7	5
offsite	592315	4139265	9.81E-06	5.67	5.67	0	ANNUAL	DSTPH7	5
offsite	592415	4139265	1.02E-05	5.51	5.51	0	ANNUAL	DSTPH7	5
offsite	592515	4139265	1.04E-05	6.23	6.23	0	ANNUAL	DSTPH7	5
offsite	592615	4139265	1.05E-05	6.27	6.27	0	ANNUAL	DSTPH7	5
offsite	592715	4139265	1.05E-05	5.38	5.38	0	ANNUAL	DSTPH7	5
offsite	592815	4139265	1.04E-05	5.03	5.03	0	ANNUAL	DSTPH7	5
offsite	589515	4139365	1.39E-06	5.69	5.69	0	ANNUAL	DSTPH7	5
offsite	589615	4139365	1.44E-06	5.45	5.45	0	ANNUAL	DSTPH7	5
offsite	591315	4139365	3.73E-06	4.71	7.49	0	ANNUAL	DSTPH7	5
offsite	591415	4139365	4.24E-06	5.05	5.05	0	ANNUAL	DSTPH7	5
offsite	591515	4139365	4.87E-06	6.14	6.14	0	ANNUAL	DSTPH7	5
offsite	591615	4139365	5.65E-06	5.74	5.74	0	ANNUAL	DSTPH7	5
offsite	591715	4139365	6.53E-06	5.85	5.85	0	ANNUAL	DSTPH7	5
offsite	591815	4139365	7.46E-06	5.14	5.14	0	ANNUAL	DSTPH7	5
offsite	591915	4139365	8.36E-06	5.1	5.1	0	ANNUAL	DSTPH7	5
offsite	592015	4139365	9.19E-06	5.51	5.51	0	ANNUAL	DSTPH7	5
offsite	592115	4139365	9.92E-06	5.9	5.9	0	ANNUAL	DSTPH7	5
offsite	592215	4139365	1.05E-05	6.13	6.13	0	ANNUAL	DSTPH7	5
offsite	592315	4139365	1.1E-05	5.47	5.47	0	ANNUAL	DSTPH7	5
offsite	592415	4139365	1.13E-05	5.32	5.32	0	ANNUAL	DSTPH7	5
offsite	592515	4139365	1.14E-05	4.72	4.72	0	ANNUAL	DSTPH7	5
offsite	592615	4139365	1.15E-05	4.72	4.72	0	ANNUAL	DSTPH7	5
offsite	592715	4139365	1.14E-05	4.52	4.52	0	ANNUAL	DSTPH7	5
offsite	592815	4139365	1.13E-05	5.45	5.45	0	ANNUAL	DSTPH7	5
offsite	589515	4139465	1.45E-06	5.23	5.23	0	ANNUAL	DSTPH7	5
offsite	589615	4139465	1.49E-06	4.88	4.88	0	ANNUAL	DSTPH7	5
offsite	591315	4139465	4.12E-06	5.88	5.88	0	ANNUAL	DSTPH7	5
offsite	591415	4139465	4.73E-06	4.99	4.99	0	ANNUAL	DSTPH7	5
offsite	591515	4139465	5.5E-06	5.11	5.11	0	ANNUAL	DSTPH7	5
offsite	591615	4139465	6.44E-06	5.32	5.32	0	ANNUAL	DSTPH7	5
offsite	591715	4139465	7.48E-06	5.82	5.82	0	ANNUAL	DSTPH7	5
offsite	591815	4139465	8.56E-06	6.1	6.1	0	ANNUAL	DSTPH7	5
offsite	591915	4139465	9.59E-06	5.7	5.7	0	ANNUAL	DSTPH7	5
offsite	592015	4139465	1.05E-05	5.61	5.61	0	ANNUAL	DSTPH7	5
offsite	592115	4139465	1.13E-05	5.12	5.12	0	ANNUAL	DSTPH7	5
offsite	592215	4139465	1.19E-05	6.08	6.08	0	ANNUAL	DSTPH7	5
offsite	592315	4139465	1.23E-05	5.36	5.36	0	ANNUAL	DSTPH7	5
offsite	592415	4139465	1.25E-05	5.09	5.09	0	ANNUAL	DSTPH7	5
offsite	592515	4139465	1.26E-05	5.33	5.33	0	ANNUAL	DSTPH7	5
offsite	592615	4139465	1.26E-05	5.68	5.68	0	ANNUAL	DSTPH7	5
offsite	592715	4139465	1.24E-05	4.38	4.38	0	ANNUAL	DSTPH7	5
offsite	592815	4139465	1.21E-05	4.95	4.95	0	ANNUAL	DSTPH7	5
offsite	589515	4139565	1.53E-06	5.31	5.31	0	ANNUAL	DSTPH7	5
offsite	589615	4139565	1.56E-06	5.1	5.1	0	ANNUAL	DSTPH7	5
offsite	591315	4139565	4.6E-06	5.34	5.34	0	ANNUAL	DSTPH7	5
offsite	591415	4139565	5.34E-06	5	5	0	ANNUAL	DSTPH7	5
offsite	591515	4139565	6.29E-06	5.02	5.02	0	ANNUAL	DSTPH7	5
offsite	591615	4139565	7.42E-06	5.19	5.19	0	ANNUAL	DSTPH7	5
offsite	591715	4139565	8.68E-06	4.95	4.95	0	ANNUAL	DSTPH7	5
offsite	591815	4139565	9.94E-06	5.33	5.33	0	ANNUAL	DSTPH7	5
offsite	591915	4139565	1.11E-05	5.52	5.52	0	ANNUAL	DSTPH7	5
offsite	592015	4139565	1.21E-05	5.34	5.34	0	ANNUAL	DSTPH7	5
offsite	592115	4139565	1.29E-05	5.09	5.09	0	ANNUAL	DSTPH7	5
offsite	592215	4139565	1.35E-05	5.16	5.16	0	ANNUAL	DSTPH7	5
offsite	592315	4139565	1.38E-05	5.04	5.04	0	ANNUAL	DSTPH7	5
offsite	592415	4139565	1.4E-05	5.35	5.35	0	ANNUAL	DSTPH7	5
offsite	592515	4139565	1.39E-05	5.13	5.13	0	ANNUAL	DSTPH7	5
offsite	592615	4139565	1.38E-05	4.86	4.86	0	ANNUAL	DSTPH7	5
offsite	592715	4139565	1.35E-05	4.64	4.64	0	ANNUAL	DSTPH7	5
offsite	592815	4139565	1.31E-05	4.78	4.78	0	ANNUAL	DSTPH7	5
offsite	589515	4139665	1.64E-06	4.97	4.97	0	ANNUAL	DSTPH7	5
offsite	589615	4139665	1.67E-06	4.87	4.87	0	ANNUAL	DSTPH7	5
offsite	591215	4139665	4.5E-06	4.69	7.97	0	ANNUAL	DSTPH7	5
offsite	591315	4139665	5.18E-06	5.55	5.55	0	ANNUAL	DSTPH7	5
offsite	591415	4139665	6.1E-06	4.66	4.66	0	ANNUAL	DSTPH7	5
offsite	591515	4139665	7.28E-06	5.44	5.44	0	ANNUAL	DSTPH7	5
offsite	591615	4139665	8.68E-06	4.97	4.97	0	ANNUAL	DSTPH7	5
offsite	591715	4139665	1.02E-05	4.9	4.9	0	ANNUAL	DSTPH7	5
offsite	591815	4139665	1.17E-05	4.95	4.95	0	ANNUAL	DSTPH7	5
offsite	591915	4139665	1.3E-05	5.06	5.06	0	ANNUAL	DSTPH7	5
offsite	592015	4139665	1.41E-05	4.36	4.36	0	ANNUAL	DSTPH7	5
offsite	592115	4139665	1.49E-05	4.87	4.87	0	ANNUAL	DSTPH7	5
offsite	592215	4139665	1.54E-05	4.83	4.83	0	ANNUAL	DSTPH7	5
offsite	592315	4139665	1.56E-05	4.73	4.73	0	ANNUAL	DSTPH7	5
offsite	592415	4139665	1.56E-05	5.21	5.21	0	ANNUAL	DSTPH7	5
offsite	592515	4139665	1.54E-05	4.6	4.6	0	ANNUAL	DSTPH7	5
offsite	592615	4139665	1.51E-05	4.83	4.83	0	ANNUAL	DSTPH7	5
offsite	592715	4139665	1.46E-05	5.03	5.03	0	ANNUAL	DSTPH7	5
offsite	592815	4139665	1.41E-05	4.38	4.38	0	ANNUAL	DSTPH7	5
offsite	589515	4139765	1.79E-06	4.95	4.95	0	ANNUAL	DSTPH7	5
offsite	589615	4139765	1.8E-06	5.53	5.53	0	ANNUAL	DSTPH7	5
offsite	591415	4139765	7.07E-06	5.13	5.13	0	ANNUAL	DSTPH7	5
offsite	591515	4139765	8.55E-06	5.55	5.55	0	ANNUAL	DSTPH7	5
offsite	591615	4139765	1.03E-05	4.47	4.47	0	ANNUAL	DSTPH7	5
offsite	591715	4139765	1.21E-05	4.87	4.87	0	ANNUAL	DSTPH7	5
offsite	591815	4139765	1.39E-05	4.36	4.36	0	ANNUAL	DSTPH7	5
offsite	591915	4139765	1.54E-05	4.89	4.89	0	ANNUAL	DSTPH7	5
offsite	592015	4139765	1.65E-05	4.91	4.91	0	ANNUAL	DSTPH7	5
offsite	592115	4139765	1.73E-05	4.63	4.63	0	ANNUAL	DSTPH7	5
offsite	592215	4139765	1.76E-05	4.4	4.4	0	ANNUAL	DSTPH7	5
offsite	592315	4139765	1.77E-05	4.39	4.39	0	ANNUAL	DSTPH7	5
offsite	592415	4139765	1.75E-05	4.36	4.36	0	ANNUAL	DSTPH7	5
offsite	592515	4139765	1.7E-05	3.88	3.88	0	ANNUAL	DSTPH7	5
offsite	592615	4139765	1.65E-05	4.21	4.21	0	ANNUAL	DSTPH7	5
offsite	592715	4139765	1.58E-05	4.4	4.4	0	ANNUAL	DSTPH7	5
offsite	592815	4139765	1.51E-05	4.67	4.67	0	ANNUAL	DSTPH7	5
offsite	589515	4139865	1.97E-06	4.25	4.25	0	ANNUAL	DSTPH7	5
offsite	589615	4139865	1.98E-06	5.04	5.04	0	ANNUAL	DSTPH7	5
offsite	591515	4139865	1.02E-05	5.06	5.06	0	ANNUAL	DSTPH7	5
offsite	591615	4139865	1.24E-05	4.53	4.53	0	ANNUAL	DSTPH7	5
offsite	591715	4139865	1.47E-05	4.68	4.68	0	ANNUAL	DSTPH7	5
offsite	591815	4139865	1.67E-05	4.54	4.54	0	ANNUAL	DSTPH7	5
offsite	591915	4139865	1.84E-05	4.67	4.67	0	ANNUAL	DSTPH7	5
offsite	592015	4139865	1.95E-05	4.49	4.49	0	ANNUAL	DSTPH7	5
offsite	592115	4139865	2.01E-05	4.37	4.37	0	ANNUAL	DSTPH7	5
offsite	592215	4139865	2.03E-05	4.47	4.47	0	ANNUAL	DSTPH7	5
offsite	592315	4139865	2E-05	4.32	4.32	0	ANNUAL	DSTPH7	5
offsite	592415	4139865	1.95E-05	4.4	4.4	0	ANNUAL	DSTPH7	5

Phase 8

8	8	8	8	8	8	8	8	8	8
eptor ID (	X	Y	AVERAGE (	vation (ZEL	Heights (Zl	gpole (ZFL	gin Period	rce Group (	Years (NUN
offsite	589515	4139265	1.63E-06	5.95	5.95	0	ANNUAL	DSTPH8	5
offsite	589615	4139265	1.68E-06	5.84	5.84	0	ANNUAL	DSTPH8	5
offsite	591315	4139265	3.46E-06	4.8	8.3	0	ANNUAL	DSTPH8	5
offsite	591415	4139265	3.75E-06	5.66	5.66	0	ANNUAL	DSTPH8	5
offsite	591515	4139265	4.14E-06	6.19	6.19	0	ANNUAL	DSTPH8	5
offsite	591615	4139265	4.6E-06	5.85	5.85	0	ANNUAL	DSTPH8	5
offsite	591715	4139265	5.18E-06	5.82	5.82	0	ANNUAL	DSTPH8	5
offsite	591815	4139265	5.89E-06	5.65	5.65	0	ANNUAL	DSTPH8	5
offsite	591915	4139265	6.72E-06	5.73	5.73	0	ANNUAL	DSTPH8	5
offsite	592015	4139265	7.65E-06	5.77	5.77	0	ANNUAL	DSTPH8	5
offsite	592115	4139265	8.61E-06	6.08	6.08	0	ANNUAL	DSTPH8	5
offsite	592215	4139265	9.54E-06	6.13	6.13	0	ANNUAL	DSTPH8	5
offsite	592315	4139265	1.04E-05	5.67	5.67	0	ANNUAL	DSTPH8	5
offsite	592415	4139265	1.12E-05	5.51	5.51	0	ANNUAL	DSTPH8	5
offsite	592515	4139265	1.18E-05	6.23	6.23	0	ANNUAL	DSTPH8	5
offsite	592615	4139265	1.23E-05	6.27	6.27	0	ANNUAL	DSTPH8	5
offsite	592715	4139265	1.27E-05	5.38	5.38	0	ANNUAL	DSTPH8	5
offsite	592815	4139265	1.3E-05	5.03	5.03	0	ANNUAL	DSTPH8	5
offsite	589515	4139365	1.68E-06	5.69	5.69	0	ANNUAL	DSTPH8	5
offsite	589615	4139365	1.73E-06	5.45	5.45	0	ANNUAL	DSTPH8	5
offsite	591315	4139365	3.72E-06	4.71	7.49	0	ANNUAL	DSTPH8	5
offsite	591415	4139365	4.05E-06	5.05	5.05	0	ANNUAL	DSTPH8	5
offsite	591515	4139365	4.5E-06	6.14	6.14	0	ANNUAL	DSTPH8	5
offsite	591615	4139365	5.05E-06	5.74	5.74	0	ANNUAL	DSTPH8	5
offsite	591715	4139365	5.73E-06	5.85	5.85	0	ANNUAL	DSTPH8	5
offsite	591815	4139365	6.56E-06	5.14	5.14	0	ANNUAL	DSTPH8	5
offsite	591915	4139365	7.55E-06	5.1	5.1	0	ANNUAL	DSTPH8	5
offsite	592015	4139365	8.63E-06	5.51	5.51	0	ANNUAL	DSTPH8	5
offsite	592115	4139365	9.72E-06	5.9	5.9	0	ANNUAL	DSTPH8	5
offsite	592215	4139365	1.08E-05	6.13	6.13	0	ANNUAL	DSTPH8	5
offsite	592315	4139365	1.17E-05	5.47	5.47	0	ANNUAL	DSTPH8	5
offsite	592415	4139365	1.25E-05	5.32	5.32	0	ANNUAL	DSTPH8	5
offsite	592515	4139365	1.32E-05	4.72	4.72	0	ANNUAL	DSTPH8	5
offsite	592615	4139365	1.37E-05	4.72	4.72	0	ANNUAL	DSTPH8	5
offsite	592715	4139365	1.4E-05	4.52	4.52	0	ANNUAL	DSTPH8	5
offsite	592815	4139365	1.42E-05	5.45	5.45	0	ANNUAL	DSTPH8	5
offsite	589515	4139465	1.77E-06	5.23	5.23	0	ANNUAL	DSTPH8	5
offsite	589615	4139465	1.8E-06	4.88	4.88	0	ANNUAL	DSTPH8	5
offsite	591315	4139465	4.03E-06	5.88	5.88	0	ANNUAL	DSTPH8	5
offsite	591415	4139465	4.41E-06	4.99	4.99	0	ANNUAL	DSTPH8	5
offsite	591515	4139465	4.92E-06	5.11	5.11	0	ANNUAL	DSTPH8	5
offsite	591615	4139465	5.57E-06	5.32	5.32	0	ANNUAL	DSTPH8	5
offsite	591715	4139465	6.39E-06	5.82	5.82	0	ANNUAL	DSTPH8	5
offsite	591815	4139465	7.4E-06	6.1	6.1	0	ANNUAL	DSTPH8	5
offsite	591915	4139465	8.56E-06	5.7	5.7	0	ANNUAL	DSTPH8	5
offsite	592015	4139465	9.81E-06	5.61	5.61	0	ANNUAL	DSTPH8	5
offsite	592115	4139465	1.11E-05	5.12	5.12	0	ANNUAL	DSTPH8	5
offsite	592215	4139465	1.22E-05	6.08	6.08	0	ANNUAL	DSTPH8	5
offsite	592315	4139465	1.32E-05	5.36	5.36	0	ANNUAL	DSTPH8	5
offsite	592415	4139465	1.41E-05	5.09	5.09	0	ANNUAL	DSTPH8	5
offsite	592515	4139465	1.48E-05	5.33	5.33	0	ANNUAL	DSTPH8	5
offsite	592615	4139465	1.52E-05	5.68	5.68	0	ANNUAL	DSTPH8	5
offsite	592715	4139465	1.55E-05	4.38	4.38	0	ANNUAL	DSTPH8	5
offsite	592815	4139465	1.56E-05	4.95	4.95	0	ANNUAL	DSTPH8	5
offsite	589515	4139565	1.87E-06	5.31	5.31	0	ANNUAL	DSTPH8	5
offsite	589615	4139565	1.9E-06	5.1	5.1	0	ANNUAL	DSTPH8	5
offsite	591315	4139565	4.4E-06	5.34	5.34	0	ANNUAL	DSTPH8	5
offsite	591415	4139565	4.83E-06	5	5	0	ANNUAL	DSTPH8	5
offsite	591515	4139565	5.43E-06	5.02	5.02	0	ANNUAL	DSTPH8	5
offsite	591615	4139565	6.21E-06	5.19	5.19	0	ANNUAL	DSTPH8	5
offsite	591715	4139565	7.2E-06	4.95	4.95	0	ANNUAL	DSTPH8	5
offsite	591815	4139565	8.41E-06	5.33	5.33	0	ANNUAL	DSTPH8	5
offsite	591915	4139565	9.81E-06	5.52	5.52	0	ANNUAL	DSTPH8	5
offsite	592015	4139565	1.13E-05	5.34	5.34	0	ANNUAL	DSTPH8	5
offsite	592115	4139565	1.27E-05	5.09	5.09	0	ANNUAL	DSTPH8	5
offsite	592215	4139565	1.4E-05	5.16	5.16	0	ANNUAL	DSTPH8	5
offsite	592315	4139565	1.51E-05	5.04	5.04	0	ANNUAL	DSTPH8	5
offsite	592415	4139565	1.6E-05	5.35	5.35	0	ANNUAL	DSTPH8	5
offsite	592515	4139565	1.66E-05	5.13	5.13	0	ANNUAL	DSTPH8	5
offsite	592615	4139565	1.7E-05	4.86	4.86	0	ANNUAL	DSTPH8	5
offsite	592715	4139565	1.71E-05	4.64	4.64	0	ANNUAL	DSTPH8	5
offsite	592815	4139565	1.71E-05	4.78	4.78	0	ANNUAL	DSTPH8	5
offsite	589515	4139665	2.01E-06	4.97	4.97	0	ANNUAL	DSTPH8	5
offsite	589615	4139665	2.02E-06	4.87	4.87	0	ANNUAL	DSTPH8	5
offsite	591215	4139665	4.51E-06	4.69	7.97	0	ANNUAL	DSTPH8	5
offsite	591315	4139665	4.83E-06	5.55	5.55	0	ANNUAL	DSTPH8	5
offsite	591415	4139665	5.33E-06	4.66	4.66	0	ANNUAL	DSTPH8	5
offsite	591515	4139665	6.04E-06	5.44	5.44	0	ANNUAL	DSTPH8	5
offsite	591615	4139665	6.99E-06	4.97	4.97	0	ANNUAL	DSTPH8	5
offsite	591715	4139665	8.2E-06	4.9	4.9	0	ANNUAL	DSTPH8	5
offsite	591815	4139665	9.68E-06	4.95	4.95	0	ANNUAL	DSTPH8	5
offsite	591915	4139665	1.14E-05	5.06	5.06	0	ANNUAL	DSTPH8	5
offsite	592015	4139665	1.31E-05	4.36	4.36	0	ANNUAL	DSTPH8	5
offsite	592115	4139665	1.47E-05	4.87	4.87	0	ANNUAL	DSTPH8	5
offsite	592215	4139665	1.61E-05	4.83	4.83	0	ANNUAL	DSTPH8	5
offsite	592315	4139665	1.73E-05	4.73	4.73	0	ANNUAL	DSTPH8	5
offsite	592415	4139665	1.82E-05	5.21	5.21	0	ANNUAL	DSTPH8	5
offsite	592515	4139665	1.87E-05	4.6	4.6	0	ANNUAL	DSTPH8	5
offsite	592615	4139665	1.9E-05	4.83	4.83	0	ANNUAL	DSTPH8	5
offsite	592715	4139665	1.9E-05	5.03	5.03	0	ANNUAL	DSTPH8	5
offsite	592815	4139665	1.88E-05	4.38	4.38	0	ANNUAL	DSTPH8	5
offsite	589515	4139765	2.18E-06	4.95	4.95	0	ANNUAL	DSTPH8	5
offsite	589615	4139765	2.19E-06	5.53	5.53	0	ANNUAL	DSTPH8	5
offsite	591415	4139765	5.93E-06	5.13	5.13	0	ANNUAL	DSTPH8	5
offsite	591515	4139765	6.79E-06	5.55	5.55	0	ANNUAL	DSTPH8	5
offsite	591615	4139765	7.96E-06	4.47	4.47	0	ANNUAL	DSTPH8	5
offsite	591715	4139765	9.47E-06	4.87	4.87	0	ANNUAL	DSTPH8	5
offsite	591815	4139765	1.13E-05	4.36	4.36	0	ANNUAL	DSTPH8	5
offsite	591915	4139765	1.33E-05	4.89	4.89	0	ANNUAL	DSTPH8	5
offsite	592015	4139765	1.54E-05	4.91	4.91	0	ANNUAL	DSTPH8	5
offsite	592115	4139765	1.72E-05	4.63	4.63	0	ANNUAL	DSTPH8	5
offsite	592215	4139765	1.88E-05	4.4	4.4	0	ANNUAL	DSTPH8	5
offsite	592315	4139765	2E-05	4.39	4.39	0	ANNUAL	DSTPH8	5
offsite	592415	4139765	2.08E-05	4.36	4.36	0	ANNUAL	DSTPH8	5
offsite	592515	4139765	2.12E-05	3.88	3.88	0	ANNUAL	DSTPH8	5
offsite	592615	4139765	2.13E-05	4.21	4.21	0	ANNUAL	DSTPH8	5
offsite	592715	4139765	2.1E-05	4.4	4.4	0	ANNUAL	DSTPH8	5
offsite	592815	4139765	2.06E-05	4.67	4.67	0	ANNUAL	DSTPH8	5
offsite	589515	4139865	2.39E-06	4.25	4.25	0	ANNUAL	DSTPH8	5
offsite	589615	4139865	2.39E-06	5.04	5.04	0	ANNUAL	DSTPH8	5
offsite	591515	4139865	7.73E-06	5.06	5.06	0	ANNUAL	DSTPH8	5
offsite	591615	4139865	9.18E-06	4.53	4.53	0	ANNUAL	DSTPH8	5
offsite	591715	4139865	1.11E-05	4.68	4.68	0	ANNUAL	DSTPH8	5
offsite	591815	4139865	1.34E-05	4.54	4.54	0	ANNUAL	DSTPH8	5
offsite	591915	4139865	1.59E-05	4.67	4.67	0	ANNUAL	DSTPH8	5
offsite	592015	4139865	1.83E-05	4.49	4.49	0	ANNUAL	DSTPH8	5
offsite	592115	4139865	2.04E-05	4.37	4.37	0	ANNUAL	DSTPH8	5
offsite	592215	4139865	2.21E-05	4.47	4.47	0	ANNUAL	DSTPH8	5
offsite	592315	4139865	2.33E-05	4.32	4.32	0	ANNUAL	DSTPH8	5
offsite	592415	4139865	2.39E-05	4.4	4.4	0	ANNUAL	DSTPH8	5

Phase 5

5	5	5	5	5	5	5	5	5	5
eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFL	gin Period	rce Group (	Years (NUM
offsite	592514.99	4139865	3.07E-05	4.41	4.41	0	ANNUAL	DSTPH5	5
offsite	592614.99	4139865	2.91E-05	4.24	4.24	0	ANNUAL	DSTPH5	5
offsite	592714.99	4139865	2.77E-05	4.3	4.3	0	ANNUAL	DSTPH5	5
offsite	592814.99	4139865	2.62E-05	4.04	4.04	0	ANNUAL	DSTPH5	5
offsite	589514.99	4139965	4.83E-06	4.32	4.32	0	ANNUAL	DSTPH5	5
offsite	589614.99	4139965	5.07E-06	5.09	5.09	0	ANNUAL	DSTPH5	5
offsite	591714.99	4139965	4.53E-05	4.71	4.71	0	ANNUAL	DSTPH5	5
offsite	591814.99	4139965	4.48E-05	4.87	4.87	0	ANNUAL	DSTPH5	5
offsite	591914.99	4139965	4.37E-05	4.64	4.64	0	ANNUAL	DSTPH5	5
offsite	592014.99	4139965	4.22E-05	4.55	4.55	0	ANNUAL	DSTPH5	5
offsite	592114.99	4139965	4.03E-05	4.39	4.39	0	ANNUAL	DSTPH5	5
offsite	592214.99	4139965	3.83E-05	4.23	4.23	0	ANNUAL	DSTPH5	5
offsite	592314.99	4139965	3.63E-05	4.53	4.53	0	ANNUAL	DSTPH5	5
offsite	592414.99	4139965	3.43E-05	4.2	4.2	0	ANNUAL	DSTPH5	5
offsite	592514.99	4139965	3.23E-05	4.7	4.7	0	ANNUAL	DSTPH5	5
offsite	592614.99	4139965	3.05E-05	4.34	4.34	0	ANNUAL	DSTPH5	5
offsite	592714.99	4139965	2.87E-05	3.76	3.76	0	ANNUAL	DSTPH5	5
offsite	592814.99	4139965	2.7E-05	4.47	4.47	0	ANNUAL	DSTPH5	5
offsite	589514.99	4140065	5.27E-06	4.9	4.9	0	ANNUAL	DSTPH5	5
offsite	589614.99	4140065	5.47E-06	5.47	5.47	0	ANNUAL	DSTPH5	5
offsite	591714.99	4140065	5.22E-05	4.31	4.31	0	ANNUAL	DSTPH5	5
offsite	591814.99	4140065	5.08E-05	3.8	3.8	0	ANNUAL	DSTPH5	5
offsite	591914.99	4140065	4.89E-05	4.28	4.28	0	ANNUAL	DSTPH5	5
offsite	592014.99	4140065	4.65E-05	4.29	4.29	0	ANNUAL	DSTPH5	5
offsite	592114.99	4140065	4.39E-05	4.38	4.38	0	ANNUAL	DSTPH5	5
offsite	592214.99	4140065	4.12E-05	4.26	4.26	0	ANNUAL	DSTPH5	5
offsite	592314.99	4140065	3.87E-05	4.19	4.19	0	ANNUAL	DSTPH5	5
offsite	592414.99	4140065	3.62E-05	4.04	4.04	0	ANNUAL	DSTPH5	5
offsite	592514.99	4140065	3.38E-05	4.2	4.2	0	ANNUAL	DSTPH5	5
offsite	592614.99	4140065	3.16E-05	3.86	3.86	0	ANNUAL	DSTPH5	5
offsite	592714.99	4140065	2.95E-05	5.97	5.97	0	ANNUAL	DSTPH5	5
offsite	592814.99	4140065	2.76E-05	5.6	5.6	0	ANNUAL	DSTPH5	5
offsite	591714.99	4140165	6.02E-05	4.3	4.3	0	ANNUAL	DSTPH5	5
offsite	591814.99	4140165	5.76E-05	3.26	3.26	0	ANNUAL	DSTPH5	5
offsite	591914.99	4140165	5.44E-05	3.76	3.76	0	ANNUAL	DSTPH5	5
offsite	592014.99	4140165	5.09E-05	3.28	3.28	0	ANNUAL	DSTPH5	5
offsite	592114.99	4140165	4.74E-05	3.78	3.78	0	ANNUAL	DSTPH5	5
offsite	592214.99	4140165	4.4E-05	4.36	4.36	0	ANNUAL	DSTPH5	5
offsite	592314.99	4140165	4.08E-05	4.42	4.42	0	ANNUAL	DSTPH5	5
offsite	592414.99	4140165	3.78E-05	4.33	4.33	0	ANNUAL	DSTPH5	5
offsite	592514.99	4140165	3.5E-05	3.81	3.81	0	ANNUAL	DSTPH5	5
offsite	592614.99	4140165	3.24E-05	4.09	4.09	0	ANNUAL	DSTPH5	5
offsite	592714.99	4140165	3E-05	5.39	5.39	0	ANNUAL	DSTPH5	5
offsite	592814.99	4140165	2.79E-05	5.98	8.59	0	ANNUAL	DSTPH5	5
park	591314.99	4140265	7.18E-05	3.69	3.69	0	ANNUAL	DSTPH5	5
park	591414.99	4140265	7.49E-05	3.9	3.9	0	ANNUAL	DSTPH5	5
offsite	591614.99	4140265	7.29E-05	4.68	4.68	0	ANNUAL	DSTPH5	5
offsite	591714.99	4140265	6.93E-05	4.7	4.7	0	ANNUAL	DSTPH5	5
offsite	591814.99	4140265	6.48E-05	3.4	3.4	0	ANNUAL	DSTPH5	5
park	591914.99	4140265	6.01E-05	3.76	3.76	0	ANNUAL	DSTPH5	5
offsite	592014.99	4140265	5.53E-05	2.83	2.83	0	ANNUAL	DSTPH5	5
offsite	592114.99	4140265	5.07E-05	4.36	4.36	0	ANNUAL	DSTPH5	5
offsite	592214.99	4140265	4.64E-05	4.3	4.3	0	ANNUAL	DSTPH5	5
offsite	592314.99	4140265	4.25E-05	4.16	4.16	0	ANNUAL	DSTPH5	5
offsite	592414.99	4140265	3.89E-05	3.7	3.7	0	ANNUAL	DSTPH5	5
offsite	592514.99	4140265	3.56E-05	4	4	0	ANNUAL	DSTPH5	5
offsite	592614.99	4140265	3.27E-05	4.5	4.5	0	ANNUAL	DSTPH5	5
path	592714.99	4140265	3.01E-05	5.93	5.93	0	ANNUAL	DSTPH5	5
path	592814.99	4140265	2.77E-05	4.99	4.99	0	ANNUAL	DSTPH5	5
Phase2	590914.99	4140365	4.73E-05	5.6	5.6	0	ANNUAL	DSTPH5	5
Phase1	591014.99	4140365	6.19E-05	5.56	5.56	0	ANNUAL	DSTPH5	5
Phase1	591114.99	4140365	7.59E-05	3.53	3.53	0	ANNUAL	DSTPH5	5
Phase1	591214.99	4140365	8.64E-05	5.18	5.18	0	ANNUAL	DSTPH5	5
park	591414.99	4140365	9.33E-05	3.98	12.8	0	ANNUAL	DSTPH5	5
offsite	591614.99	4140365	8.54E-05	4.54	4.54	0	ANNUAL	DSTPH5	5
school	591714.99	4140365	7.9E-05	4.71	4.71	0	ANNUAL	DSTPH5	5
school	591814.99	4140365	7.22E-05	3.33	3.33	0	ANNUAL	DSTPH5	5
school	591914.99	4140365	6.54E-05	3.51	3.51	0	ANNUAL	DSTPH5	5
offsite	592014.99	4140365	5.91E-05	3.31	3.31	0	ANNUAL	DSTPH5	5
offsite	592114.99	4140365	5.33E-05	2.88	2.88	0	ANNUAL	DSTPH5	5
offsite	592214.99	4140365	4.81E-05	3.59	3.59	0	ANNUAL	DSTPH5	5
offsite	592314.99	4140365	4.34E-05	3.1	3.1	0	ANNUAL	DSTPH5	5
offsite	592414.99	4140365	3.93E-05	3.72	3.72	0	ANNUAL	DSTPH5	5
offsite	592514.99	4140365	3.57E-05	3.81	3.81	0	ANNUAL	DSTPH5	5
offsite	592614.99	4140365	3.25E-05	3.96	3.96	0	ANNUAL	DSTPH5	5
path	592714.99	4140365	2.97E-05	3.62	3.62	0	ANNUAL	DSTPH5	5
Phase2	590814.99	4140465	4.75E-05	7.33	7.33	0	ANNUAL	DSTPH5	5
Phase2	590914.99	4140465	6.67E-05	3.48	8.01	0	ANNUAL	DSTPH5	5
Phase2	591014.99	4140465	8.73E-05	9.04	9.04	0	ANNUAL	DSTPH5	5
Phase2	591114.99	4140465	0.000106	6.3	6.3	0	ANNUAL	DSTPH5	5
Phase1	591214.99	4140465	0.000117	4.11	4.11	0	ANNUAL	DSTPH5	5
Phase1	591314.99	4140465	0.00012	3.79	12.8	0	ANNUAL	DSTPH5	5
offsite	591514.99	4140465	0.000109	9.4	11.58	0	ANNUAL	DSTPH5	5
offsite	591614.99	4140465	9.9E-05	3.67	3.67	0	ANNUAL	DSTPH5	5
offsite	591714.99	4140465	8.88E-05	2.95	2.95	0	ANNUAL	DSTPH5	5
school	591814.99	4140465	7.89E-05	3.2	3.2	0	ANNUAL	DSTPH5	5
offsite	591914.99	4140465	6.99E-05	2.67	2.67	0	ANNUAL	DSTPH5	5
offsite	592014.99	4140465	6.18E-05	2.87	2.87	0	ANNUAL	DSTPH5	5
offsite	592114.99	4140465	5.48E-05	2.99	2.99	0	ANNUAL	DSTPH5	5
offsite	592214.99	4140465	4.87E-05	3.17	3.17	0	ANNUAL	DSTPH5	5
offsite	592314.99	4140465	4.34E-05	3.06	3.06	0	ANNUAL	DSTPH5	5
offsite	592414.99	4140465	3.89E-05	4.06	4.06	0	ANNUAL	DSTPH5	5
offsite	592514.99	4140465	3.5E-05	3.41	3.41	0	ANNUAL	DSTPH5	5
path	592614.99	4140465	3.17E-05	4.04	7.11	0	ANNUAL	DSTPH5	5
path	592714.99	4140465	2.88E-05	5.41	5.41	0	ANNUAL	DSTPH5	5
Phase4	590614.99	4140565	3.44E-05	3.36	6.1	0	ANNUAL	DSTPH5	5
Phase4	590714.99	4140565	4.66E-05	7.4	7.4	0	ANNUAL	DSTPH5	5
Phase2	590814.99	4140565	6.93E-05	7.15	7.15	0	ANNUAL	DSTPH5	5
Phase2	590914.99	4140565	0.000101	7.26	7.26	0	ANNUAL	DSTPH5	5
Phase2	591014.99	4140565	0.00013	9.71	9.71	0	ANNUAL	DSTPH5	5
Phase2	591114.99	4140565	0.000153	9	9	0	ANNUAL	DSTPH5	5
Phase2	591214.99	4140565	0.00016	9.03	9.03	0	ANNUAL	DSTPH5	5
Phase2	591314.99	4140565	0.000157	4.67	4.67	0	ANNUAL	DSTPH5	5
offsite	591714.99	4140565	9.71E-05	2.69	2.69	0	ANNUAL	DSTPH5	5
offsite	591814.99	4140565	8.38E-05	3.25	3.25	0	ANNUAL	DSTPH5	5
offsite	591914.99	4140565	7.24E-05	3.24	3.24	0	ANNUAL	DSTPH5	5
offsite	592014.99	4140565	6.28E-05	2.59	2.59	0	ANNUAL	DSTPH5	5
offsite	592114.99	4140565	5.48E-05	2.98	2.98	0	ANNUAL	DSTPH5	5
offsite	592214.99	4140565	4.8E-05	2.81	2.81	0	ANNUAL	DSTPH5	5
offsite	592314.99	4140565	4.24E-05	3.05	3.05	0	ANNUAL	DSTPH5	5
offsite	592414.99	4140565	3.77E-05	3.14	3.14	0	ANNUAL	DSTPH5	5
path	592514.99	4140565	3.37E-05	3.71	8.35	0	ANNUAL	DSTPH5	5
path	592614.99	4140565	3.03E-05	4.03	4.03	0	ANNUAL	DSTPH5	5
Phase4	590514.99	4140665	3.49E-05	6.14	6.14	0	ANNUAL	DSTPH5	5
Phase4	590614.99	4140665	4.59E-05	7.46	7.46	0	ANNUAL	DSTPH5	5
Phase4	590714.99	4140665	6.86E-05	8.05	8.05	0	ANNUAL	DSTPH5	5
Phase3	590814.99	4140665	0.000116	6.03	6.03	0	ANNUAL	DSTPH5	5
Phase3	590914.99	4140665	0.00017	8.15	8.15	0	ANNUAL	DSTPH5	5
Phase2	591014.99	4140665	0.000211	9.55	9.55	0	ANNUAL	DSTPH5	5
Phase2	591114.99	4140665	0.00023	8.51	8.51	0	ANNUAL	DSTPH5	5

Phase 6

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eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFL	gin Period	rce Group (	Years (NUM
offsite	592515	4139865	1.96E-05	4.41	4.41	0	ANNUAL	DSTPH6	5
offsite	592615	4139865	1.94E-05	4.24	4.24	0	ANNUAL	DSTPH6	5
offsite	592715	4139865	1.9E-05	4.3	4.3	0	ANNUAL	DSTPH6	5
offsite	592815	4139865	1.86E-05	4.04	4.04	0	ANNUAL	DSTPH6	5
offsite	589515	4139965	2.55E-06	4.32	4.32	0	ANNUAL	DSTPH6	5
offsite	589615	4139965	2.64E-06	5.09	5.09	0	ANNUAL	DSTPH6	5
offsite	591715	4139965	1.56E-05	4.71	4.71	0	ANNUAL	DSTPH6	5
offsite	591815	4139965	1.73E-05	4.87	4.87	0	ANNUAL	DSTPH6	5
offsite	591915	4139965	1.88E-05	4.64	4.64	0	ANNUAL	DSTPH6	5
offsite	592015	4139965	2E-05	4.55	4.55	0	ANNUAL	DSTPH6	5
offsite	592115	4139965	2.09E-05	4.39	4.39	0	ANNUAL	DSTPH6	5
offsite	592215	4139965	2.15E-05	4.23	4.23	0	ANNUAL	DSTPH6	5
offsite	592315	4139965	2.17E-05	4.53	4.53	0	ANNUAL	DSTPH6	5
offsite	592415	4139965	2.17E-05	4.2	4.2	0	ANNUAL	DSTPH6	5
offsite	592515	4139965	2.15E-05	4.7	4.7	0	ANNUAL	DSTPH6	5
offsite	592615	4139965	2.1E-05	4.34	4.34	0	ANNUAL	DSTPH6	5
offsite	592715	4139965	2.05E-05	3.76	3.76	0	ANNUAL	DSTPH6	5
offsite	592815	4139965	1.99E-05	4.47	4.47	0	ANNUAL	DSTPH6	5
offsite	589515	4140065	2.7E-06	4.9	4.9	0	ANNUAL	DSTPH6	5
offsite	589615	4140065	2.78E-06	5.47	5.47	0	ANNUAL	DSTPH6	5
offsite	591715	4140065	1.82E-05	4.31	4.31	0	ANNUAL	DSTPH6	5
offsite	591815	4140065	2.02E-05	3.8	3.8	0	ANNUAL	DSTPH6	5
offsite	591915	4140065	2.18E-05	4.28	4.28	0	ANNUAL	DSTPH6	5
offsite	592015	4140065	2.3E-05	4.29	4.29	0	ANNUAL	DSTPH6	5
offsite	592115	4140065	2.38E-05	4.38	4.38	0	ANNUAL	DSTPH6	5
offsite	592215	4140065	2.42E-05	4.26	4.26	0	ANNUAL	DSTPH6	5
offsite	592315	4140065	2.42E-05	4.19	4.19	0	ANNUAL	DSTPH6	5
offsite	592415	4140065	2.4E-05	4.04	4.04	0	ANNUAL	DSTPH6	5
offsite	592515	4140065	2.35E-05	4.2	4.2	0	ANNUAL	DSTPH6	5
offsite	592615	4140065	2.28E-05	3.86	3.86	0	ANNUAL	DSTPH6	5
offsite	592715	4140065	2.21E-05	5.97	5.97	0	ANNUAL	DSTPH6	5
offsite	592815	4140065	2.12E-05	5.6	5.6	0	ANNUAL	DSTPH6	5
offsite	591715	4140165	2.16E-05	4.3	4.3	0	ANNUAL	DSTPH6	5
offsite	591815	4140165	2.38E-05	3.26	3.26	0	ANNUAL	DSTPH6	5
offsite	591915	4140165	2.54E-05	3.76	3.76	0	ANNUAL	DSTPH6	5
offsite	592015	4140165	2.66E-05	3.28	3.28	0	ANNUAL	DSTPH6	5
offsite	592115	4140165	2.72E-05	3.78	3.78	0	ANNUAL	DSTPH6	5
offsite	592215	4140165	2.73E-05	4.36	4.36	0	ANNUAL	DSTPH6	5
offsite	592315	4140165	2.7E-05	4.42	4.42	0	ANNUAL	DSTPH6	5
offsite	592415	4140165	2.65E-05	4.33	4.33	0	ANNUAL	DSTPH6	5
offsite	592515	4140165	2.57E-05	3.81	3.81	0	ANNUAL	DSTPH6	5
offsite	592615	4140165	2.47E-05	4.09	4.09	0	ANNUAL	DSTPH6	5
offsite	592715	4140165	2.37E-05	5.39	5.39	0	ANNUAL	DSTPH6	5
offsite	592815	4140165	2.26E-05	5.98	8.59	0	ANNUAL	DSTPH6	5
park	591315	4140265	1.36E-05	3.69	3.69	0	ANNUAL	DSTPH6	5
park	591415	4140265	1.65E-05	3.9	3.9	0	ANNUAL	DSTPH6	5
offsite	591615	4140265	2.29E-05	4.68	4.68	0	ANNUAL	DSTPH6	5
offsite	591715	4140265	2.59E-05	4.7	4.7	0	ANNUAL	DSTPH6	5
offsite	591815	4140265	2.83E-05	3.4	3.4	0	ANNUAL	DSTPH6	5
park	591915	4140265	2.99E-05	3.76	3.76	0	ANNUAL	DSTPH6	5
offsite	592015	4140265	3.09E-05	2.83	2.83	0	ANNUAL	DSTPH6	5
offsite	592115	4140265	3.12E-05	4.36	4.36	0	ANNUAL	DSTPH6	5
offsite	592215	4140265	3.09E-05	4.3	4.3	0	ANNUAL	DSTPH6	5
offsite	592315	4140265	3.02E-05	4.16	4.16	0	ANNUAL	DSTPH6	5
offsite	592415	4140265	2.92E-05	3.7	3.7	0	ANNUAL	DSTPH6	5
offsite	592515	4140265	2.8E-05	4	4	0	ANNUAL	DSTPH6	5
offsite	592615	4140265	2.67E-05	4.5	4.5	0	ANNUAL	DSTPH6	5
path	592715	4140265	2.53E-05	5.93	5.93	0	ANNUAL	DSTPH6	5
path	592815	4140265	2.4E-05	4.99	4.99	0	ANNUAL	DSTPH6	5
Phase2	590915	4140365	8.4E-06	5.6	5.6	0	ANNUAL	DSTPH6	5
Phase1	591015	4140365	9.48E-06	5.56	5.56	0	ANNUAL	DSTPH6	5
Phase1	591115	4140365	1.1E-05	3.53	3.53	0	ANNUAL	DSTPH6	5
Phase1	591215	4140365	1.33E-05	5.18	5.18	0	ANNUAL	DSTPH6	5
park	591415	4140365	2.01E-05	3.98	12.8	0	ANNUAL	DSTPH6	5
offsite	591615	4140365	2.81E-05	4.54	4.54	0	ANNUAL	DSTPH6	5
school	591715	4140365	3.15E-05	4.71	4.71	0	ANNUAL	DSTPH6	5
school	591815	4140365	3.4E-05	3.33	3.33	0	ANNUAL	DSTPH6	5
school	591915	4140365	3.55E-05	3.51	3.51	0	ANNUAL	DSTPH6	5
offsite	592015	4140365	3.6E-05	3.31	3.31	0	ANNUAL	DSTPH6	5
offsite	592115	4140365	3.58E-05	2.88	2.88	0	ANNUAL	DSTPH6	5
offsite	592215	4140365	3.49E-05	3.59	3.59	0	ANNUAL	DSTPH6	5
offsite	592315	4140365	3.36E-05	3.1	3.1	0	ANNUAL	DSTPH6	5
offsite	592415	4140365	3.21E-05	3.72	3.72	0	ANNUAL	DSTPH6	5
offsite	592515	4140365	3.04E-05	3.81	3.81	0	ANNUAL	DSTPH6	5
offsite	592615	4140365	2.87E-05	3.96	3.96	0	ANNUAL	DSTPH6	5
path	592715	4140365	2.69E-05	3.62	3.62	0	ANNUAL	DSTPH6	5
Phase2	590815	4140465	8.55E-06	7.33	7.33	0	ANNUAL	DSTPH6	5
Phase2	590915	4140465	9.62E-06	3.48	8.01	0	ANNUAL	DSTPH6	5
Phase2	591015	4140465	1.1E-05	9.04	9.04	0	ANNUAL	DSTPH6	5
Phase2	591115	4140465	1.31E-05	6.3	6.3	0	ANNUAL	DSTPH6	5
Phase1	591215	4140465	1.61E-05	4.11	4.11	0	ANNUAL	DSTPH6	5
Phase1	591315	4140465	2.02E-05	3.79	12.8	0	ANNUAL	DSTPH6	5
offsite	591515	4140465	3.03E-05	9.4	11.58	0	ANNUAL	DSTPH6	5
offsite	591615	4140465	3.51E-05	3.67	3.67	0	ANNUAL	DSTPH6	5
offsite	591715	4140465	3.89E-05	2.95	2.95	0	ANNUAL	DSTPH6	5
school	591815	4140465	4.13E-05	3.2	3.2	0	ANNUAL	DSTPH6	5
offsite	591915	4140465	4.23E-05	2.67	2.67	0	ANNUAL	DSTPH6	5
offsite	592015	4140465	4.22E-05	2.87	2.87	0	ANNUAL	DSTPH6	5
offsite	592115	4140465	4.11E-05	2.99	2.99	0	ANNUAL	DSTPH6	5
offsite	592215	4140465	3.95E-05	3.17	3.17	0	ANNUAL	DSTPH6	5
offsite	592315	4140465	3.74E-05	3.06	3.06	0	ANNUAL	DSTPH6	5
offsite	592415	4140465	3.51E-05	4.06	4.06	0	ANNUAL	DSTPH6	5
offsite	592515	4140465	3.28E-05	3.41	3.41	0	ANNUAL	DSTPH6	5
path	592615	4140465	3.06E-05	4.04	7.11	0	ANNUAL	DSTPH6	5
path	592715	4140465	2.84E-05	5.41	5.41	0	ANNUAL	DSTPH6	5
Phase4	590615	4140565	7.68E-06	3.36	6.1	0	ANNUAL	DSTPH6	5
Phase4	590715	4140565	8.63E-06	7.4	7.4	0	ANNUAL	DSTPH6	5
Phase2	590815	4140565	9.76E-06	7.15	7.15	0	ANNUAL	DSTPH6	5
Phase2	590915	4140565	1.12E-05	7.26	7.26	0	ANNUAL	DSTPH6	5
Phase2	591015	4140565	1.3E-05	9.71	9.71	0	ANNUAL	DSTPH6	5
Phase2	591115	4140565	1.58E-05	9	9	0	ANNUAL	DSTPH6	5
Phase2	591215	4140565	2E-05	9.03	9.03	0	ANNUAL	DSTPH6	5
Phase2	591315	4140565	2.57E-05	4.67	4.67	0	ANNUAL	DSTPH6	5
offsite	591715	4140565	4.87E-05	2.69	2.69	0	ANNUAL	DSTPH6	5
offsite	591815	4140565	5.07E-05	3.25	3.25	0	ANNUAL	DSTPH6	5
offsite	591915	4140565	5.08E-05	3.24	3.24	0	ANNUAL	DSTPH6	5
offsite	592015	4140565	4.95E-05	2.59	2.59	0	ANNUAL	DSTPH6	5
offsite	592115	4140565	4.72E-05	2.98	2.98	0	ANNUAL	DSTPH6	5
offsite	592215	4140565	4.43E-05	2.81	2.81	0	ANNUAL	DSTPH6	5
offsite	592315	4140565	4.12E-05	3.05	3.05	0	ANNUAL	DSTPH6	5
offsite	592415	4140565	3.81E-05	3.14	3.14	0	ANNUAL	DSTPH6	5
path	592515	4140565	3.51E-05	3.71	8.35	0	ANNUAL	DSTPH6	5
path	592615	4140565	3.23E-05	4.03	4.03	0	ANNUAL	DSTPH6	5
Phase4	590515	4140665	7.77E-06	6.14	6.14	0	ANNUAL	DSTPH6	5
Phase4	590615	4140665	8.66E-06	7.46	7.46	0	ANNUAL	DSTPH6	5
Phase4	590715	4140665	9.83E-06	8.05	8.05	0	ANNUAL	DSTPH6	5
Phase3	590815	4140665	1.13E-05	6.03	6.03	0	ANNUAL	DSTPH6	5
Phase3	590915	4140665	1.31E-05	8.15	8.15	0	ANNUAL	DSTPH6	5
Phase2	591015	4140665	1.57E-05	9.55	9.55	0	ANNUAL	DSTPH6	5
Phase2	591115	4140665	1.96E-05	8.51	8.51	0	ANNUAL	DSTPH6	5

Phase 7

7	7	7	7	7	7	7	7	7	7
eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFL	gin Period	rce Group (	Years (NUM
offsite	592515	4139865	1.88E-05	4.41	4.41	0	ANNUAL	DSTPH7	5
offsite	592615	4139865	1.8E-05	4.24	4.24	0	ANNUAL	DSTPH7	5
offsite	592715	4139865	1.71E-05	4.3	4.3	0	ANNUAL	DSTPH7	5
offsite	592815	4139865	1.62E-05	4.04	4.04	0	ANNUAL	DSTPH7	5
offsite	589515	4139965	2.2E-06	4.32	4.32	0	ANNUAL	DSTPH7	5
offsite	589615	4139965	2.21E-06	5.09	5.09	0	ANNUAL	DSTPH7	5
offsite	591715	4139965	1.81E-05	4.71	4.71	0	ANNUAL	DSTPH7	5
offsite	591815	4139965	2.05E-05	4.87	4.87	0	ANNUAL	DSTPH7	5
offsite	591915	4139965	2.22E-05	4.64	4.64	0	ANNUAL	DSTPH7	5
offsite	592015	4139965	2.32E-05	4.55	4.55	0	ANNUAL	DSTPH7	5
offsite	592115	4139965	2.36E-05	4.39	4.39	0	ANNUAL	DSTPH7	5
offsite	592215	4139965	2.33E-05	4.23	4.23	0	ANNUAL	DSTPH7	5
offsite	592315	4139965	2.27E-05	4.53	4.53	0	ANNUAL	DSTPH7	5
offsite	592415	4139965	2.18E-05	4.2	4.2	0	ANNUAL	DSTPH7	5
offsite	592515	4139965	2.07E-05	4.7	4.7	0	ANNUAL	DSTPH7	5
offsite	592615	4139965	1.95E-05	4.34	4.34	0	ANNUAL	DSTPH7	5
offsite	592715	4139965	1.83E-05	3.76	3.76	0	ANNUAL	DSTPH7	5
offsite	592815	4139965	1.72E-05	4.47	4.47	0	ANNUAL	DSTPH7	5
offsite	589515	4140065	2.47E-06	4.9	4.9	0	ANNUAL	DSTPH7	5
offsite	589615	4140065	2.49E-06	5.47	5.47	0	ANNUAL	DSTPH7	5
offsite	591715	4140065	2.28E-05	4.31	4.31	0	ANNUAL	DSTPH7	5
offsite	591815	4140065	2.55E-05	3.8	3.8	0	ANNUAL	DSTPH7	5
offsite	591915	4140065	2.72E-05	4.28	4.28	0	ANNUAL	DSTPH7	5
offsite	592015	4140065	2.78E-05	4.29	4.29	0	ANNUAL	DSTPH7	5
offsite	592115	4140065	2.77E-05	4.38	4.38	0	ANNUAL	DSTPH7	5
offsite	592215	4140065	2.69E-05	4.26	4.26	0	ANNUAL	DSTPH7	5
offsite	592315	4140065	2.56E-05	4.19	4.19	0	ANNUAL	DSTPH7	5
offsite	592415	4140065	2.42E-05	4.04	4.04	0	ANNUAL	DSTPH7	5
offsite	592515	4140065	2.26E-05	4.2	4.2	0	ANNUAL	DSTPH7	5
offsite	592615	4140065	2.11E-05	3.86	3.86	0	ANNUAL	DSTPH7	5
offsite	592715	4140065	1.96E-05	5.97	5.97	0	ANNUAL	DSTPH7	5
offsite	592815	4140065	1.81E-05	5.6	5.6	0	ANNUAL	DSTPH7	5
offsite	591715	4140165	2.93E-05	4.3	4.3	0	ANNUAL	DSTPH7	5
offsite	591815	4140165	3.22E-05	3.26	3.26	0	ANNUAL	DSTPH7	5
offsite	591915	4140165	3.35E-05	3.76	3.76	0	ANNUAL	DSTPH7	5
offsite	592015	4140165	3.35E-05	3.28	3.28	0	ANNUAL	DSTPH7	5
offsite	592115	4140165	3.25E-05	3.78	3.78	0	ANNUAL	DSTPH7	5
offsite	592215	4140165	3.09E-05	4.36	4.36	0	ANNUAL	DSTPH7	5
offsite	592315	4140165	2.88E-05	4.42	4.42	0	ANNUAL	DSTPH7	5
offsite	592415	4140165	2.67E-05	4.33	4.33	0	ANNUAL	DSTPH7	5
offsite	592515	4140165	2.45E-05	3.81	3.81	0	ANNUAL	DSTPH7	5
offsite	592615	4140165	2.25E-05	4.09	4.09	0	ANNUAL	DSTPH7	5
offsite	592715	4140165	2.06E-05	5.39	5.39	0	ANNUAL	DSTPH7	5
offsite	592815	4140165	1.89E-05	5.98	8.59	0	ANNUAL	DSTPH7	5
park	591315	4140265	1.51E-05	3.69	3.69	0	ANNUAL	DSTPH7	5
park	591415	4140265	2.04E-05	3.9	3.9	0	ANNUAL	DSTPH7	5
offsite	591615	4140265	3.36E-05	4.68	4.68	0	ANNUAL	DSTPH7	5
offsite	591715	4140265	3.86E-05	4.7	4.7	0	ANNUAL	DSTPH7	5
offsite	591815	4140265	4.13E-05	3.4	3.4	0	ANNUAL	DSTPH7	5
park	591915	4140265	4.18E-05	3.76	3.76	0	ANNUAL	DSTPH7	5
offsite	592015	4140265	4.05E-05	2.83	2.83	0	ANNUAL	DSTPH7	5
offsite	592115	4140265	3.81E-05	4.36	4.36	0	ANNUAL	DSTPH7	5
offsite	592215	4140265	3.51E-05	4.3	4.3	0	ANNUAL	DSTPH7	5
offsite	592315	4140265	3.21E-05	4.16	4.16	0	ANNUAL	DSTPH7	5
offsite	592415	4140265	2.9E-05	3.7	3.7	0	ANNUAL	DSTPH7	5
offsite	592515	4140265	2.62E-05	4	4	0	ANNUAL	DSTPH7	5
offsite	592615	4140265	2.36E-05	4.5	4.5	0	ANNUAL	DSTPH7	5
path	592715	4140265	2.13E-05	5.93	5.93	0	ANNUAL	DSTPH7	5
path	592815	4140265	1.93E-05	4.99	4.99	0	ANNUAL	DSTPH7	5
Phase2	590915	4140365	8.22E-06	5.6	5.6	0	ANNUAL	DSTPH7	5
Phase1	591015	4140365	9.78E-06	5.56	5.56	0	ANNUAL	DSTPH7	5
Phase1	591115	4140365	1.18E-05	3.53	3.53	0	ANNUAL	DSTPH7	5
Phase1	591215	4140365	1.48E-05	5.18	5.18	0	ANNUAL	DSTPH7	5
park	591415	4140365	2.81E-05	3.98	12.8	0	ANNUAL	DSTPH7	5
offsite	591615	4140365	4.68E-05	4.54	4.54	0	ANNUAL	DSTPH7	5
school	591715	4140365	5.23E-05	4.71	4.71	0	ANNUAL	DSTPH7	5
school	591815	4140365	5.38E-05	3.33	3.33	0	ANNUAL	DSTPH7	5
school	591915	4140365	5.21E-05	3.51	3.51	0	ANNUAL	DSTPH7	5
offsite	592015	4140365	4.85E-05	3.31	3.31	0	ANNUAL	DSTPH7	5
offsite	592115	4140365	4.4E-05	2.88	2.88	0	ANNUAL	DSTPH7	5
offsite	592215	4140365	3.94E-05	3.59	3.59	0	ANNUAL	DSTPH7	5
offsite	592315	4140365	3.5E-05	3.1	3.1	0	ANNUAL	DSTPH7	5
offsite	592415	4140365	3.09E-05	3.72	3.72	0	ANNUAL	DSTPH7	5
offsite	592515	4140365	2.74E-05	3.81	3.81	0	ANNUAL	DSTPH7	5
offsite	592615	4140365	2.42E-05	3.96	3.96	0	ANNUAL	DSTPH7	5
path	592715	4140365	2.15E-05	3.62	3.62	0	ANNUAL	DSTPH7	5
Phase2	590815	4140465	8.34E-06	7.33	7.33	0	ANNUAL	DSTPH7	5
Phase2	590915	4140465	9.81E-06	3.48	8.01	0	ANNUAL	DSTPH7	5
Phase2	591015	4140465	1.19E-05	9.04	9.04	0	ANNUAL	DSTPH7	5
Phase2	591115	4140465	1.48E-05	6.3	6.3	0	ANNUAL	DSTPH7	5
Phase1	591215	4140465	1.95E-05	4.11	4.11	0	ANNUAL	DSTPH7	5
Phase1	591315	4140465	2.78E-05	3.79	12.8	0	ANNUAL	DSTPH7	5
offsite	591515	4140465	5.61E-05	9.4	11.58	0	ANNUAL	DSTPH7	5
offsite	591615	4140465	6.81E-05	3.67	3.67	0	ANNUAL	DSTPH7	5
offsite	591715	4140465	7.24E-05	2.95	2.95	0	ANNUAL	DSTPH7	5
school	591815	4140465	7.04E-05	3.2	3.2	0	ANNUAL	DSTPH7	5
offsite	591915	4140465	6.45E-05	2.67	2.67	0	ANNUAL	DSTPH7	5
offsite	592015	4140465	5.72E-05	2.87	2.87	0	ANNUAL	DSTPH7	5
offsite	592115	4140465	4.97E-05	2.99	2.99	0	ANNUAL	DSTPH7	5
offsite	592215	4140465	4.29E-05	3.17	3.17	0	ANNUAL	DSTPH7	5
offsite	592315	4140465	3.7E-05	3.06	3.06	0	ANNUAL	DSTPH7	5
offsite	592415	4140465	3.19E-05	4.06	4.06	0	ANNUAL	DSTPH7	5
offsite	592515	4140465	2.77E-05	3.41	3.41	0	ANNUAL	DSTPH7	5
path	592615	4140465	2.41E-05	4.04	7.11	0	ANNUAL	DSTPH7	5
path	592715	4140465	2.12E-05	5.41	5.41	0	ANNUAL	DSTPH7	5
Phase4	590615	4140565	8.43E-06	3.36	6.1	0	ANNUAL	DSTPH7	5
Phase4	590715	4140565	9.3E-06	7.4	7.4	0	ANNUAL	DSTPH7	5
Phase2	590815	4140565	1.05E-05	7.15	7.15	0	ANNUAL	DSTPH7	5
Phase2	590915	4140565	1.22E-05	7.26	7.26	0	ANNUAL	DSTPH7	5
Phase2	591015	4140565	1.48E-05	9.71	9.71	0	ANNUAL	DSTPH7	5
Phase2	591115	4140565	1.93E-05	9	9	0	ANNUAL	DSTPH7	5
Phase2	591215	4140565	2.69E-05	9.03	9.03	0	ANNUAL	DSTPH7	5
Phase2	591315	4140565	4.24E-05	4.67	4.67	0	ANNUAL	DSTPH7	5
offsite	591715	4140565	0.000102	2.69	2.69	0	ANNUAL	DSTPH7	5
offsite	591815	4140565	9.09E-05	3.25	3.25	0	ANNUAL	DSTPH7	5
offsite	591915	4140565	7.76E-05	3.24	3.24	0	ANNUAL	DSTPH7	5
offsite	592015	4140565	6.49E-05	2.59	2.59	0	ANNUAL	DSTPH7	5
offsite	592115	4140565	5.39E-05	2.98	2.98	0	ANNUAL	DSTPH7	5
offsite	592215	4140565	4.48E-05	2.81	2.81	0	ANNUAL	DSTPH7	5
offsite	592315	4140565	3.75E-05	3.05	3.05	0	ANNUAL	DSTPH7	5
offsite	592415	4140565	3.17E-05	3.14	3.14	0	ANNUAL	DSTPH7	5
path	592515	4140565	2.7E-05	3.71	8.35	0	ANNUAL	DSTPH7	5
path	592615	4140565	2.32E-05	4.03	4.03	0	ANNUAL	DSTPH7	5
Phase4	590515	4140665	9.88E-06	6.14	6.14	0	ANNUAL	DSTPH7	5
Phase4	590615	4140665	1.1E-05	7.46	7.46	0	ANNUAL	DSTPH7	5
Phase4	590715	4140665	1.24E-05	8.05	8.05	0	ANNUAL	DSTPH7	5
Phase3	590815	4140665	1.42E-05	6.03	6.03	0	ANNUAL	DSTPH7	5
Phase3	590915	4140665	1.66E-05	8.15	8.15	0	ANNUAL	DSTPH7	5
Phase2	591015	4140665	2.03E-05	9.55	9.55	0	ANNUAL	DSTPH7	5
Phase2	591115	4140665	2.69E-05	8.51	8.51	0	ANNUAL	DSTPH7	5

Phase 8

8	8	8	8	8	8	8	8	8	8
eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFL	gin Period	rce Group (	Years (NUM
offsite	592515	4139865	2.41E-05	4.41	4.41	0	ANNUAL	DSTPH8	5
offsite	592615	4139865	2.38E-05	4.24	4.24	0	ANNUAL	DSTPH8	5
offsite	592715	4139865	2.33E-05	4.3	4.3	0	ANNUAL	DSTPH8	5
offsite	592815	4139865	2.26E-05	4.04	4.04	0	ANNUAL	DSTPH8	5
offsite	589515	4139965	2.64E-06	4.32	4.32	0	ANNUAL	DSTPH8	5
offsite	589615	4139965	2.65E-06	5.09	5.09	0	ANNUAL	DSTPH8	5
offsite	591715	4139965	1.32E-05	4.71	4.71	0	ANNUAL	DSTPH8	5
offsite	591815	4139965	1.61E-05	4.87	4.87	0	ANNUAL	DSTPH8	5
offsite	591915	4139965	1.92E-05	4.64	4.64	0	ANNUAL	DSTPH8	5
offsite	592015	4139965	2.21E-05	4.55	4.55	0	ANNUAL	DSTPH8	5
offsite	592115	4139965	2.45E-05	4.39	4.39	0	ANNUAL	DSTPH8	5
offsite	592215	4139965	2.62E-05	4.23	4.23	0	ANNUAL	DSTPH8	5
offsite	592315	4139965	2.72E-05	4.53	4.53	0	ANNUAL	DSTPH8	5
offsite	592415	4139965	2.76E-05	4.2	4.2	0	ANNUAL	DSTPH8	5
offsite	592515	4139965	2.74E-05	4.7	4.7	0	ANNUAL	DSTPH8	5
offsite	592615	4139965	2.68E-05	4.34	4.34	0	ANNUAL	DSTPH8	5
offsite	592715	4139965	2.58E-05	3.76	3.76	0	ANNUAL	DSTPH8	5
offsite	592815	4139965	2.47E-05	4.47	4.47	0	ANNUAL	DSTPH8	5
offsite	589515	4140065	2.93E-06	4.9	4.9	0	ANNUAL	DSTPH8	5
offsite	589615	4140065	2.95E-06	5.47	5.47	0	ANNUAL	DSTPH8	5
offsite	591715	4140065	1.61E-05	4.31	4.31	0	ANNUAL	DSTPH8	5
offsite	591815	4140065	1.98E-05	3.8	3.8	0	ANNUAL	DSTPH8	5
offsite	591915	4140065	2.37E-05	4.28	4.28	0	ANNUAL	DSTPH8	5
offsite	592015	4140065	2.71E-05	4.29	4.29	0	ANNUAL	DSTPH8	5
offsite	592115	4140065	2.97E-05	4.38	4.38	0	ANNUAL	DSTPH8	5
offsite	592215	4140065	3.13E-05	4.26	4.26	0	ANNUAL	DSTPH8	5
offsite	592315	4140065	3.2E-05	4.19	4.19	0	ANNUAL	DSTPH8	5
offsite	592415	4140065	3.19E-05	4.04	4.04	0	ANNUAL	DSTPH8	5
offsite	592515	4140065	3.11E-05	4.2	4.2	0	ANNUAL	DSTPH8	5
offsite	592615	4140065	3E-05	3.86	3.86	0	ANNUAL	DSTPH8	5
offsite	592715	4140065	2.86E-05	5.97	5.97	0	ANNUAL	DSTPH8	5
offsite	592815	4140065	2.7E-05	5.6	5.6	0	ANNUAL	DSTPH8	5
offsite	591715	4140165	2E-05	4.3	4.3	0	ANNUAL	DSTPH8	5
offsite	591815	4140165	2.5E-05	3.26	3.26	0	ANNUAL	DSTPH8	5
offsite	591915	4140165	2.98E-05	3.76	3.76	0	ANNUAL	DSTPH8	5
offsite	592015	4140165	3.37E-05	3.28	3.28	0	ANNUAL	DSTPH8	5
offsite	592115	4140165	3.64E-05	3.78	3.78	0	ANNUAL	DSTPH8	5
offsite	592215	4140165	3.77E-05	4.36	4.36	0	ANNUAL	DSTPH8	5
offsite	592315	4140165	3.78E-05	4.42	4.42	0	ANNUAL	DSTPH8	5
offsite	592415	4140165	3.69E-05	4.33	4.33	0	ANNUAL	DSTPH8	5
offsite	592515	4140165	3.54E-05	3.81	3.81	0	ANNUAL	DSTPH8	5
offsite	592615	4140165	3.35E-05	4.09	4.09	0	ANNUAL	DSTPH8	5
offsite	592715	4140165	3.14E-05	5.39	5.39	0	ANNUAL	DSTPH8	5
offsite	592815	4140165	2.92E-05	5.98	8.59	0	ANNUAL	DSTPH8	5
park	591315	4140265	1.05E-05	3.69	3.69	0	ANNUAL	DSTPH8	5
park	591415	4140265	1.23E-05	3.9	3.9	0	ANNUAL	DSTPH8	5
offsite	591615	4140265	1.97E-05	4.68	4.68	0	ANNUAL	DSTPH8	5
offsite	591715	4140265	2.57E-05	4.7	4.7	0	ANNUAL	DSTPH8	5
offsite	591815	4140265	3.23E-05	3.4	3.4	0	ANNUAL	DSTPH8	5
park	591915	4140265	3.84E-05	3.76	3.76	0	ANNUAL	DSTPH8	5
offsite	592015	4140265	4.28E-05	2.83	2.83	0	ANNUAL	DSTPH8	5
offsite	592115	4140265	4.53E-05	4.36	4.36	0	ANNUAL	DSTPH8	5
offsite	592215	4140265	4.58E-05	4.3	4.3	0	ANNUAL	DSTPH8	5
offsite	592315	4140265	4.47E-05	4.16	4.16	0	ANNUAL	DSTPH8	5
offsite	592415	4140265	4.26E-05	3.7	3.7	0	ANNUAL	DSTPH8	5
offsite	592515	4140265	4E-05	4	4	0	ANNUAL	DSTPH8	5
offsite	592615	4140265	3.71E-05	4.5	4.5	0	ANNUAL	DSTPH8	5
path	592715	4140265	3.42E-05	5.93	5.93	0	ANNUAL	DSTPH8	5
path	592815	4140265	3.13E-05	4.99	4.99	0	ANNUAL	DSTPH8	5
Phase2	590915	4140365	7.07E-06	5.6	5.6	0	ANNUAL	DSTPH8	5
Phase1	591015	4140365	8.02E-06	5.56	5.56	0	ANNUAL	DSTPH8	5
Phase1	591115	4140365	9.22E-06	3.53	3.53	0	ANNUAL	DSTPH8	5
Phase1	591215	4140365	1.07E-05	5.18	5.18	0	ANNUAL	DSTPH8	5
park	591415	4140365	1.5E-05	3.98	12.8	0	ANNUAL	DSTPH8	5
offsite	591615	4140365	2.56E-05	4.54	4.54	0	ANNUAL	DSTPH8	5
school	591715	4140365	3.43E-05	4.71	4.71	0	ANNUAL	DSTPH8	5
school	591815	4140365	4.33E-05	3.33	3.33	0	ANNUAL	DSTPH8	5
school	591915	4140365	5.08E-05	3.51	3.51	0	ANNUAL	DSTPH8	5
offsite	592015	4140365	5.54E-05	3.31	3.31	0	ANNUAL	DSTPH8	5
offsite	592115	4140365	5.68E-05	2.88	2.88	0	ANNUAL	DSTPH8	5
offsite	592215	4140365	5.56E-05	3.59	3.59	0	ANNUAL	DSTPH8	5
offsite	592315	4140365	5.27E-05	3.1	3.1	0	ANNUAL	DSTPH8	5
offsite	592415	4140365	4.89E-05	3.72	3.72	0	ANNUAL	DSTPH8	5
offsite	592515	4140365	4.47E-05	3.81	3.81	0	ANNUAL	DSTPH8	5
offsite	592615	4140365	4.06E-05	3.96	3.96	0	ANNUAL	DSTPH8	5
path	592715	4140365	3.67E-05	3.62	3.62	0	ANNUAL	DSTPH8	5
Phase2	590815	4140465	7.35E-06	7.33	7.33	0	ANNUAL	DSTPH8	5
Phase2	590915	4140465	8.12E-06	3.48	8.01	0	ANNUAL	DSTPH8	5
Phase2	591015	4140465	9.25E-06	9.04	9.04	0	ANNUAL	DSTPH8	5
Phase2	591115	4140465	1.07E-05	6.3	6.3	0	ANNUAL	DSTPH8	5
Phase1	591215	4140465	1.27E-05	4.11	4.11	0	ANNUAL	DSTPH8	5
Phase1	591315	4140465	1.52E-05	3.79	12.8	0	ANNUAL	DSTPH8	5
offsite	591515	4140465	2.5E-05	9.4	11.58	0	ANNUAL	DSTPH8	5
offsite	591615	4140465	3.48E-05	3.67	3.67	0	ANNUAL	DSTPH8	5
offsite	591715	4140465	4.77E-05	2.95	2.95	0	ANNUAL	DSTPH8	5
school	591815	4140465	6.04E-05	3.2	3.2	0	ANNUAL	DSTPH8	5
offsite	591915	4140465	6.92E-05	2.67	2.67	0	ANNUAL	DSTPH8	5
offsite	592015	4140465	7.28E-05	2.87	2.87	0	ANNUAL	DSTPH8	5
offsite	592115	4140465	7.16E-05	2.99	2.99	0	ANNUAL	DSTPH8	5
offsite	592215	4140465	6.74E-05	3.17	3.17	0	ANNUAL	DSTPH8	5
offsite	592315	4140465	6.16E-05	3.06	3.06	0	ANNUAL	DSTPH8	5
offsite	592415	4140465	5.53E-05	4.06	4.06	0	ANNUAL	DSTPH8	5
offsite	592515	4140465	4.91E-05	3.41	3.41	0	ANNUAL	DSTPH8	5
path	592615	4140465	4.35E-05	4.04	7.11	0	ANNUAL	DSTPH8	5
path	592715	4140465	3.85E-05	5.41	5.41	0	ANNUAL	DSTPH8	5
Phase4	590615	4140565	7.72E-06	3.36	6.1	0	ANNUAL	DSTPH8	5
Phase4	590715	4140565	8.24E-06	7.4	7.4	0	ANNUAL	DSTPH8	5
Phase2	590815	4140565	8.88E-06	7.15	7.15	0	ANNUAL	DSTPH8	5
Phase2	590915	4140565	9.76E-06	7.26	7.26	0	ANNUAL	DSTPH8	5
Phase2	591015	4140565	1.1E-05	9.71	9.71	0	ANNUAL	DSTPH8	5
Phase2	591115	4140565	1.28E-05	9	9	0	ANNUAL	DSTPH8	5
Phase2	591215	4140565	1.54E-05	9.03	9.03	0	ANNUAL	DSTPH8	5
Phase2	591315	4140565	1.9E-05	4.67	4.67	0	ANNUAL	DSTPH8	5
offsite	591715	4140565	7.1E-05	2.69	2.69	0	ANNUAL	DSTPH8	5
offsite	591815	4140565	8.85E-05	3.25	3.25	0	ANNUAL	DSTPH8	5
offsite	591915	4140565	9.72E-05	3.24	3.24	0	ANNUAL	DSTPH8	5
offsite	592015	4140565	9.66E-05	2.59	2.59	0	ANNUAL	DSTPH8	5
offsite	592115	4140565	9E-05	2.98	2.98	0	ANNUAL	DSTPH8	5
offsite	592215	4140565	8.04E-05	2.81	2.81	0	ANNUAL	DSTPH8	5
offsite	592315	4140565	7.03E-05	3.05	3.05	0	ANNUAL	DSTPH8	5
offsite	592415	4140565	6.08E-05	3.14	3.14	0	ANNUAL	DSTPH8	5
path	592515	4140565	5.24E-05	3.71	8.35	0	ANNUAL	DSTPH8	5
path	592615	4140565	4.52E-05	4.03	4.03	0	ANNUAL	DSTPH8	5
Phase4	590515	4140665	8.88E-06	6.14	6.14	0	ANNUAL	DSTPH8	5
Phase4	590615	4140665	9.56E-06	7.46	7.46	0	ANNUAL	DSTPH8	5
Phase4	590715	4140665	1.03E-05	8.05	8.05	0	ANNUAL	DSTPH8	5
Phase3	590815	4140665	1.12E-05	6.03	6.03	0	ANNUAL	DSTPH8	5
Phase3	590915	4140665	1.23E-05	8.15	8.15	0	ANNUAL	DSTPH8	5
Phase2	591015	4140665	1.39E-05	9.55	9.55	0	ANNUAL	DSTPH8	5
Phase2	591115	4140665	1.6E-05	8.51	8.51	0	ANNUAL	DSTPH8	5

Construction HRA

AERMOD Output - Unmitigated PM Dust

					Phase 5									Phase 6									Phase 7									Phase 8				
5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8
eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFL	gin Period	rce Group (	Years (NUM	eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFL	gin Period	rce Group (	Years (NUM	eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFL	gin Period	rce Group (	Years (NUM	eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (ZH	gpole (ZFL	gin Period	rce Group (	Years (NUM
Phase2	591214.99	4140665	0.000224	7.85	7.85	0	ANNUAL	DSTPH5	5	Phase2	591215	4140665	2.57E-05	7.85	7.85	0	ANNUAL	DSTPH6	5	Phase2	591215	4140665	4.06E-05	7.85	7.85	0	ANNUAL	DSTPH7	5	Phase2	591215	4140665	1.94E-05	7.85	7.85	0	ANNUAL	DSTPH8	5
offsite	591314.99	4140665	0.000202	5.87	6.96	0	ANNUAL	DSTPH5	5	offsite	591315	4140665	3.41E-05	5.87	6.96	0	ANNUAL	DSTPH6	5	offsite	591315	4140665	7.52E-05	5.87	6.96	0	ANNUAL	DSTPH7	5	offsite	591315	4140665	2.45E-05	5.87	6.96	0	ANNUAL	DSTPH8	5
offsite	591914.99	4140665	7.24E-05	2.86	2.86	0	ANNUAL	DSTPH5	5	offsite	591915	4140665	6.1E-05	2.86	2.86	0	ANNUAL	DSTPH6	5	offsite	591915	4140665	8.8E-05	2.86	2.86	0	ANNUAL	DSTPH7	5	offsite	591915	4140665	0.000139	2.86	2.86	0	ANNUAL	DSTPH8	5
offsite	592014.99	4140665	6.16E-05	0.59	0.59	0	ANNUAL	DSTPH5	5	offsite	592015	4140665	5.77E-05	0.59	0.59	0	ANNUAL	DSTPH6	5	offsite	592015	4140665	6.91E-05	0.59	0.59	0	ANNUAL	DSTPH7	5	offsite	592015	4140665	0.000127	0.59	0.59	0	ANNUAL	DSTPH8	5
offsite	592114.99	4140665	5.3E-05	0.72	0.72	0	ANNUAL	DSTPH5	5	offsite	592115	4140665	5.37E-05	0.72	0.72	0	ANNUAL	DSTPH6	5	offsite	592115	4140665	5.49E-05	0.72	0.72	0	ANNUAL	DSTPH7	5	offsite	592115	4140665	0.00011	0.72	0.72	0	ANNUAL	DSTPH8	5
offsite	592214.99	4140665	4.61E-05	1.1	7.97	0	ANNUAL	DSTPH5	5	offsite	592215	4140665	4.93E-05	1.1	7.97	0	ANNUAL	DSTPH6	5	offsite	592215	4140665	4.42E-05	1.1	7.97	0	ANNUAL	DSTPH7	5	offsite	592215	4140665	9.25E-05	1.1	7.97	0	ANNUAL	DSTPH8	5
path	592314.99	4140665	4.04E-05	6.36	6.36	0	ANNUAL	DSTPH5	5	path	592315	4140665	4.49E-05	6.36	6.36	0	ANNUAL	DSTPH6	5	path	592315	4140665	3.62E-05	6.36	6.36	0	ANNUAL	DSTPH7	5	path	592315	4140665	7.72E-05	6.36	6.36	0	ANNUAL	DSTPH8	5
path	592414.99	4140665	3.57E-05	3.32	8.18	0	ANNUAL	DSTPH5	5	path	592415	4140665	4.08E-05	3.32	8.18	0	ANNUAL	DSTPH6	5	path	592415	4140665	3.01E-05	3.32	8.18	0	ANNUAL	DSTPH7	5	path	592415	4140665	6.4E-05	3.32	8.18	0	ANNUAL	DSTPH8	5
path	592514.99	4140665	3.19E-05	4.15	8.37	0	ANNUAL	DSTPH5	5	path	592515	4140665	3.7E-05	4.15	8.37	0	ANNUAL	DSTPH6	5	path	592515	4140665	2.54E-05	4.15	8.37	0	ANNUAL	DSTPH7	5	path	592515	4140665	5.35E-05	4.15	8.37	0	ANNUAL	DSTPH8	5
Phase4	590514.99	4140765	5.02E-05	5.75	5.75	0	ANNUAL	DSTPH5	5	Phase4	590515	4140765	9.05E-06	5.75	5.75	0	ANNUAL	DSTPH6	5	Phase4	590515	4140765	1.27E-05	5.75	5.75	0	ANNUAL	DSTPH7	5	Phase4	590515	4140765	1.07E-05	5.75	5.75	0	ANNUAL	DSTPH8	5
Phase4	590614.99	4140765	6.81E-05	7.35	7.35	0	ANNUAL	DSTPH5	5	Phase4	590615	4140765	1.01E-05	7.35	7.35	0	ANNUAL	DSTPH6	5	Phase4	590615	4140765	1.47E-05	7.35	7.35	0	ANNUAL	DSTPH7	5	Phase4	590615	4140765	1.18E-05	7.35	7.35	0	ANNUAL	DSTPH8	5
Phase4	590714.99	4140765	0.000124	7.36	7.36	0	ANNUAL	DSTPH5	5	Phase4	590715	4140765	1.14E-05	7.36	7.36	0	ANNUAL	DSTPH6	5	Phase4	590715	4140765	1.71E-05	7.36	7.36	0	ANNUAL	DSTPH7	5	Phase4	590715	4140765	1.31E-05	7.36	7.36	0	ANNUAL	DSTPH8	5
Phase3	590814.99	4140765	0.000248	7.29	7.29	0	ANNUAL	DSTPH5	5	Phase3	590815	4140765	1.33E-05	7.29	7.29	0	ANNUAL	DSTPH6	5	Phase3	590815	4140765	2.03E-05	7.29	7.29	0	ANNUAL	DSTPH7	5	Phase3	590815	4140765	1.45E-05	7.29	7.29	0	ANNUAL	DSTPH8	5
Phase3	590914.99	4140765	0.000333	8.75	8.75	0	ANNUAL	DSTPH5	5	Phase3	590915	4140765	1.58E-05	8.75	8.75	0	ANNUAL	DSTPH6	5	Phase3	590915	4140765	2.48E-05	8.75	8.75	0	ANNUAL	DSTPH7	5	Phase3	590915	4140765	1.63E-05	8.75	8.75	0	ANNUAL	DSTPH8	5
Phase3	591014.99	4140765	0.000366	10.09	10.09	0	ANNUAL	DSTPH5	5	Phase3	591015	4140765	1.92E-05	10.09	10.09	0	ANNUAL	DSTPH6	5	Phase3	591015	4140765	3.1E-05	10.09	10.09	0	ANNUAL	DSTPH7	5	Phase3	591015	4140765	1.86E-05	10.09	10.09	0	ANNUAL	DSTPH8	5
Phase2	591114.99	4140765	0.000353	7.8	7.8	0	ANNUAL	DSTPH5	5	Phase2	591115	4140765	2.54E-05	7.8	7.8	0	ANNUAL	DSTPH6	5	Phase2	591115	4140765	4.41E-05	7.8	7.8	0	ANNUAL	DSTPH7	5	Phase2	591115	4140765	2.17E-05	7.8	7.8	0	ANNUAL	DSTPH8	5
Phase2	591214.99	4140765	0.000307	7.26	7.26	0	ANNUAL	DSTPH5	5	Phase2	591215	4140765	3.49E-05	7.26	7.26	0	ANNUAL	DSTPH6	5	Phase2	591215	4140765	7.39E-05	7.26	7.26	0	ANNUAL	DSTPH7	5	Phase2	591215	4140765	2.63E-05	7.26	7.26	0	ANNUAL	DSTPH8	5
offsite	592014.99	4140765	5.85E-05	4	8.16	0	ANNUAL	DSTPH5	5	offsite	592015	4140765	6.68E-05	4	8.16	0	ANNUAL	DSTPH6	5	offsite	592015	4140765	6.77E-05	4	8.16	0	ANNUAL	DSTPH7	5	offsite	592015	4140765	0.000162	4	8.16	0	ANNUAL	DSTPH8	5
path	592114.99	4140765	4.99E-05	5.72	7.91	0	ANNUAL	DSTPH5	5	path	592115	4140765	6.03E-05	5.72	7.91	0	ANNUAL	DSTPH6	5	path	592115	4140765	5.21E-05	5.72	7.91	0	ANNUAL	DSTPH7	5	path	592115	4140765	0.000128	5.72	7.91	0	ANNUAL	DSTPH8	5
path	592214.99	4140765	4.32E-05	3.39	7.88	0	ANNUAL	DSTPH5	5	path	592215	4140765	5.39E-05	3.39	7.88	0	ANNUAL	DSTPH6	5	path	592215	4140765	4.12E-05	3.39	7.88	0	ANNUAL	DSTPH7	5	path	592215	4140765	0.0001	3.39	7.88	0	ANNUAL	DSTPH8	5
path	592314.99	4140765	3.77E-05	6.01	7.75	0	ANNUAL	DSTPH5	5	path	592315	4140765	4.8E-05	6.01	7.75	0	ANNUAL	DSTPH6	5	path	592315	4140765	3.33E-05	6.01	7.75	0	ANNUAL	DSTPH7	5	path	592315	4140765	7.95E-05	6.01	7.75	0	ANNUAL	DSTPH8	5
offsite	590514.99	4140865	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590515	4140865	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590515	4140865	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590515	4140865	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590614.99	4140865	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590615	4140865	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590615	4140865	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590615	4140865	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590714.99	4140865	0.002019	3.72	21.76	0	ANNUAL	DSTPH5	5	offsite	590715	4140865	1.39E-05	3.72	21.76	0	ANNUAL	DSTPH6	5	offsite	590715	4140865	2.46E-05	3.72	21.76	0	ANNUAL	DSTPH7	5	offsite	590715	4140865	1.67E-05	3.72	21.76	0	ANNUAL	DSTPH8	5
Phase3	590814.99	4140865	0.000883	6.98	21.48	0	ANNUAL	DSTPH5	5	Phase3	590815	4140865	1.62E-05	6.98	21.48	0	ANNUAL	DSTPH6	5	Phase3	590815	4140865	3.1E-05	6.98	21.48	0	ANNUAL	DSTPH7	5	Phase3	590815	4140865	1.92E-05	6.98	21.48	0	ANNUAL	DSTPH8	5
Phase3	590914.99	4140865	0.00078	7.35	7.35	0	ANNUAL	DSTPH5	5	Phase3	590915	4140865	1.96E-05	7.35	7.35	0	ANNUAL	DSTPH6	5	Phase3	590915	4140865	4.08E-05	7.35	7.35	0	ANNUAL	DSTPH7	5	Phase3	590915	4140865	2.23E-05	7.35	7.35	0	ANNUAL	DSTPH8	5
Phase3	591014.99	4140865	0.000681	8.08	8.08	0	ANNUAL	DSTPH5	5	Phase3	591015	4140865	2.5E-05	8.08	8.08	0	ANNUAL	DSTPH6	5	Phase3	591015	4140865	5.8E-05	8.08	8.08	0	ANNUAL	DSTPH7	5	Phase3	591015	4140865	2.64E-05	8.08	8.08	0	ANNUAL	DSTPH8	5
Phase3	591114.99	4140865	0.00054	7.05	7.05	0	ANNUAL	DSTPH5	5	Phase3	591115	4140865	3.46E-05	7.05	7.05	0	ANNUAL	DSTPH6	5	Phase3	591115	4140865	9.69E-05	7.05	7.05	0	ANNUAL	DSTPH7	5	Phase3	591115	4140865	3.18E-05	7.05	7.05	0	ANNUAL	DSTPH8	5
offsite	591214.99	4140865	0.000401	3.8	8.19	0	ANNUAL	DSTPH5	5	offsite	591215	4140865	5.15E-05	3.8	8.19	0	ANNUAL	DSTPH6	5	offsite	591215	4140865	0.000258	3.8	8.19	0	ANNUAL	DSTPH7	5	offsite	591215	4140865	3.99E-05	3.8	8.19	0	ANNUAL	DSTPH8	5
Phase7	591314.99	4140865	0.000291	7.79	7.79	0	ANNUAL	DSTPH5	5	Phase7	591315	4140865	7.2E-05	7.79	7.79	0	ANNUAL	DSTPH6	5	Phase7	591315	4140865	0.002476	7.79	7.79	0	ANNUAL	DSTPH7	5	Phase7	591315	4140865	5.45E-05	7.79	7.79	0	ANNUAL	DSTPH8	5
path	591914.99	4140865	6.42E-05	4.79	4.79	0	ANNUAL	DSTPH5	5	path	591915	4140865	8.6E-05	4.79	4.79	0	ANNUAL	DSTPH6	5	path	591915	4140865	8.36E-05	4.79	4.79	0	ANNUAL	DSTPH7	5	path	591915	4140865	0.000267	4.79	4.79	0	ANNUAL	DSTPH8	5
path	592114.99	4140865	4.59E-05	4.72	7.29	0	ANNUAL	DSTPH5	5	path	592115	4140865	6.6E-05	4.72	7.29	0	ANNUAL	DSTPH6	5	path	592115	4140865	4.65E-05	4.72	7.29	0	ANNUAL	DSTPH7	5	path	592115	4140865	0.000134	4.72	7.29	0	ANNUAL	DSTPH8	5
offsite	590514.99	4140965	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590515	4140965	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590515	4140965	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590515	4140965	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590614.99	4140965	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590615	4140965	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590615	4140965	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590615	4140965	0	0	0	0	ANNUAL	DSTPH8	5
Phase5	590714.99	4140965	0	5.18	25	0	ANNUAL	DSTPH5	5	Phase5	590715	4140965	1.77E-05	5.18	25	0	ANNUAL	DSTPH6	5	Phase5	590715	4140965	3.62E-05	5.18	25	0	ANNUAL	DSTPH7	5	Phase5	590715	4140965	2.16E-05	5.18	25	0	ANNUAL	DSTPH8	5
Phase5	590814.99	4140965	0.002967	14.34	21.76	0	ANNUAL	DSTPH5	5	Phase5	590815	4140965	1.97E-05	14.34	21.76	0	ANNUAL	DSTPH6	5	Phase5	590815	4140965	4.44E-05	14.34	21.76	0	ANNUAL	DSTPH7	5	Phase5	590815	4140965	2.59E-05	14.34	21.76	0	ANNUAL	DSTPH8	5
Phase5	590914.99	4140965	0	4.59	25.04	0	ANNUAL	DSTPH5	5	Phase5	590915	4140965	2.58E-05	4.59	25.04	0	ANNUAL	DSTPH6	5	Phase5	590915	4140965	7.22E-05	4.59	25.04	0	ANNUAL	DSTPH7	5	Phase5	590915	4140965	3.14E-05	4.59	25.04	0	ANNUAL	DSTPH8	5
Phase3	591014.99	4140965	0.001617	6.61	20.9	0	ANNUAL	DSTPH5	5	Phase3	591015	4140965	3.42E-05	6.61	20.9	0	ANNUAL	DSTPH6	5	Phase3	591015	4140965	0.000118	6.61	20.9	0	ANNUAL	DSTPH7	5	Phase3	591015	4140965	3.94E-05	6.61	20.9	0	ANNUAL	DSTPH8	5
Phase3	591114.99	4140965	0.0008	7.37	7.37	0	ANNUAL	DSTPH5	5	Phase3	591115	4140965	5.2E-05	7.37	7.37	0	ANNUAL	DSTPH6	5	Phase3	591115	4140965	0.000246	7.37	7.37	0	ANNUAL	DSTPH7	5	Phase3	591115	4140965	5.12E-05	7.37	7.37	0	ANNUAL	DSTPH8	5
Phase7	591214.99	4140965	0.000473	3.31	8.03	0	ANNUAL	DSTPH5	5	Phase7	591215	4140965	8.79E-05	3.31	8.03	0	ANNUAL	DSTPH6	5	Phase7	591215	4140965	0.001599	3.31	8.03	0	ANNUAL	DSTPH7	5	Phase7	591215	4140965	7E-05	3.31	8.03	0	ANNUAL	DSTPH8	5
Phase7	591314.99	4140965	0.0003	9.11	9.11	0	ANNUAL	DSTPH5	5	Phase7	591315	4140965	0.000122	9.11	9.11	0	ANNUAL	DSTPH6	5	Phase7	591315	4140965	0	9.11	9.11	0	ANNUAL	DSTPH7	5	Phase7	591315	4140965	0.000111	9.11	9.11	0	ANNUAL	DSTPH8	5
Phase7	591414.99	4140965	0.000204	10.23	10.23	0	ANNUAL	DSTPH5	5	Phase7	591415	4140965	0.000143	10.23	10.23	0	ANNUAL	DSTPH6	5	Phase7	591415	4140965	0.002957	10.23	10.23	0	ANNUAL	DSTPH7	5	Phase7	591415	4140965	0.000241	10.23	10.23	0	ANNUAL	DSTPH8	5
Phase8	591514.99	4140965	0.000147	11.37	11.37	0	ANNUAL	DSTPH5	5	Phase8	591515	4140965	0.000151	11.37	11.37	0	ANNUAL	DSTPH6	5	Phase8	591515	4140965	0.000992	11.37	11.37	0	ANNUAL	DSTPH7	5	Phase8	591515	4140965	0.003035	11.37	11.37	0	ANNUAL	DSTPH8	5
Phase8	591614.99	4140965	0.000111	7.32	8.44	0	ANNUAL	DSTPH5	5	Phase8	591615	4140965	0.000146	7.32	8.44	0	ANNUAL	DSTPH6	5	Phase8	591615	4140965	0.000309	7.32	8.44	0	ANNUAL	DSTPH7	5	Phase8	591615	4140965	0.002903	7.32	8.44	0	ANNUAL	DSTPH8	5
path	591914.99	4140965	5.79E-05	3.02	7.74	0	ANNUAL	DSTPH5	5	path	591915	4140965	9.83E-05	3.02	7.74	0	ANNUAL	DSTPH6	5	path	591915	4140965	7.06E-05	3.02	7.74	0	ANNUAL	DSTPH7	5	path	591915	4140965	0.000299	3.02	7.74	0	ANNUAL	DSTPH8	5
offsite	592014.99	4140965	4.88E-05	3.54	3.54	0	ANNUAL	DSTPH5	5	offsite	592015	4140965	8.28E-05	3.54	3.54	0	ANNUAL	DSTPH6	5	offsite	592015	4140965	5.21E-05	3.54	3.54	0	ANNUAL	DSTPH7	5	offsite	592015	4140965	0.000185	3.54	3.54	0	ANNUAL	DSTPH8	5
offsite	590514.99	4141065	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590515	4141065	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590515	4141065	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590515	4141065	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590614.99	4141065	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590615	4141065	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590615	4141065	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590615	4141065	0	0	0	0	ANNUAL	DSTPH8	5
Phase5	590714.99	4141065	0.003434	10.73	25	0	ANNUAL	DSTPH5	5	Phase5	590715	4141065	2.34E-05	10.73	25	0	ANNUAL	DSTPH6	5	Phase5	590715	4141065	5.14E-05	10.73	25	0	ANNUAL	DSTPH7	5	Phase5	590715	4141065	2.88E-05	10.73	25	0	ANNUAL	DSTPH8	5
Phase5	590814.99	4141065	0.002912	20.92	20.92	0	ANNUAL	DSTPH5	5	Phase5	590815	4141065	2.52E-05	20.92	20.92	0	ANNUAL	DSTPH6	5	Phase5	590815	4141065	6.4E-05	20.92	20.92	0	ANNUAL	DSTPH7	5	Phase5	590815	4141065	3.4E-05	20.92	20.92	0	ANNUAL	DSTPH8	5
Phase5	590914.99	4141065	0.003106	18.34	20.22	0	ANNUAL	DSTPH5	5	Phase5	590915	4141065	3.27E-05	18.34	20.22	0	ANNUAL	DSTPH6	5	Phase5	590915	4141065	0.000105	18.34	20.22	0	ANNUAL	DSTPH7	5	Phase5	590915	4141065	4.58E-05	18.34	20.22	0	ANNUAL	DSTPH8	5
Phase5	591014.99	4141065	0.002896	16.95	16.95	0	ANNUAL	DSTPH5	5	Phase5	591015	4141065	4.47E-05	16.95	16.95	0	ANNUAL	DSTPH6	5	Phase5	591015	4141065	0.000194	16.95	16.95	0	ANNUAL	DSTPH7	5	Phase5	591015	4141065	6.15E-05	16.95	16.95	0	ANNUAL	DSTPH8	5
offsite	591114.99	4141065	0.001116	2.44	20.9	0	ANNUAL	DSTPH5	5	offsite	591115	4141065	9.95E-05	2.44	20.9	0	ANNUAL	DSTPH6	5	offsite	591115	4141065	0.000537	2.44	20.9	0	ANNUAL	DSTPH7	5	offsite	591115	4141065	8.69E-05	2.44	20.9	0	ANNUAL	DSTPH8	5
Phase7	591214.99	4141065	0.000455	7.93	7.93	0	ANNUAL	DSTPH5	5	Phase7	591215	4141065	0.000208	7.93	7.93	0	ANNUAL	DSTPH6	5	Phase7	591215	4141065	0	7.93	7.93	0	ANNUAL	DSTPH7	5	Phase7	591215	4141065	0.000139	7.93	7.93	0	ANNUAL	DSTPH8	5
Phase7	591314.99	4141065	0.000261	11.39	11.39	0	ANNUAL	DSTPH5	5	Phase7	591315	4141065	0.000237	11.39	11.39	0	ANNUAL	DSTPH6	5	Phase7	591315	4141065	0.002929	11.39	11.39	0	ANNUAL	DSTPH7	5	Phase7	591315	4141065	0.000268	11.39	11.39	0	ANNUAL	DSTPH8	5
Phase7	591414.99	4141065	0.000169	14.01	14.01	0	ANNUAL	DSTPH5	5	Phase7	591415	4141065	0.000237	14.01	14.01	0	ANNUAL	DSTPH6	5	Phase7	591415	4141065	0.00229	14.01	14.01	0	ANNUAL	DSTPH7	5	Phase7	591415	4141065	0.000975	14.01	14.01	0	ANNUAL	DSTPH8	5
Phase8	591514.99	4141065	0.000121	13.99	13.99	0	ANNUAL	DSTPH5	5	Phase8	591515	4141065	0.000227	13.99	13.99	0	ANNUAL	DSTPH6	5	Phase8	591515	4141065	0.000415	13.99	13.99	0	ANNUAL	DSTPH7	5	Phase8	591515	4141065	0	13.99	13.99	0	ANNUAL	DSTPH8	5
Phase8	591614.99	4141065	9.26E-05	12.68	12.68	0	ANNUAL	DSTPH5	5	Phase8	591615	4141065	0.000205	12.68	12.68	0	ANNUAL	DSTPH6	5	Phase8	591615	4141065	0.000196	12.68	12.68	0	ANNUAL	DSTPH7	5	Phase8	591615	4141065	0	12.68	12.68	0	ANNUAL	DSTPH8	5
Phase8	591714.99	4141065	7.6E-05	8.37	10.76	0	ANNUAL	DSTPH5	5	Phase8	591715	4141065	0.000167	8.37	10.76	0	ANNUAL	DSTPH6	5	Phase8	591715	4141065	0.000121	8.37	10.76	0	ANNUAL	DSTPH7	5	Phase8	591715	4141065	0.003737	8.37	10.76	0	ANNUAL	DSTPH8	5
path	591814.99	4141065	6.21E-05	3.01	7.71	0	ANNUAL	DSTPH5	5	path	591815	4141065	0.000134	3.01	7.71	0	ANNUAL	DSTPH6	5	path	591815	4141065	8.08E-05	3.01	7.71	0	ANNUAL	DSTPH7	5	path	591815	4141065	0.000532	3.01	7.71	0	ANNUAL	DSTPH8	5
offsite	591914.99	4141065	5.18E-05	3.88	3.88	0	ANNUAL	DSTPH5	5	offsite	591915	4141065	0.000107	3.88	3.88	0	ANNUAL	DSTPH6	5	offsite	591915	4141065	5.79E-05	3.88	3.88	0	ANNUAL	DSTPH7	5	offsite	591915	4141065	0.000257	3.88	3.88	0	ANNUAL	DSTPH8	5
offsite	592014.99	4141065	4.4E-05	3.56	3.56	0	ANNUAL	DSTPH5	5	offsite	592015	4141065	8.64E-05	3.56	3.56	0	ANNUAL	DSTPH6	5	offsite	592015	4141065	4.39E-05	3.56	3.56	0	ANNUAL	DSTPH7	5	offsite	592015	4141065	0.000155	3.56	3.56	0	ANNUAL	DSTPH8	5
offsite	592114.99	4141065	3.81E-05	3.67	3.67	0	ANNUAL	DSTPH5	5	offsite	592115	4141065	7.05E-05	3.67	3.67	0	ANNUAL	DSTPH6	5	offsite	592115	4141065	3.46E-05	3.67	3.67	0	ANNUAL	DSTPH7	5	offsite	592115	4141065	0.000105	3.67	3.67	0	ANNUAL	DSTPH8	5
offsite	592214.99	4141065	3.34E-05	3.68	3.68	0	ANNUAL	DSTPH5	5	offsite	592215	4141065	5.83E-05	3.68	3.68	0	ANNUAL	DSTPH6	5	offsite	592215	4141065	2.82E-05	3.68	3.68	0	ANNUAL	DSTPH7	5	offsite	592215	4141065	7.6E-05	3.68	3.68	0	ANNUAL	DSTPH8	5
offsite	592314.99	4141065	2.96E-05	2.84	2.84	0	ANNUAL	DSTPH5	5	offsite	592315	4141065	4.89E-05	2.84	2.84	0	ANNUAL	DSTPH6	5	offsite	592315	4141065	2.35E-05	2.84	2.84	0	ANNUAL	DSTPH7	5	offsite	592315	4141065	5.81E-05	2.84	2.84	0	ANNUAL	DSTPH8	5
offsite	590514.99	4141165	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590515	4141165	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590515	4141165	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590515	4141165	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590614.99	4141165	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590615	4141165	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590615	4141165	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590615	4141165	0	0	0	0	ANNUAL	DSTPH8	5
Phase5	590714.99	4141165	0.003034	16.25	20.23	0	ANNUAL	DSTPH5	5	Phase5	590715	4141165	3.13E-05	16.25	20.23	0	ANNUAL	DSTPH6	5	Phase5	590715	4141165	6.88E-05	16.25	20.23	0	ANNUAL	DSTPH7	5	Phase5	590715	4141165	3.87E-05	16.25	20.23	0	ANNUAL	DSTPH8	5
Phase5	590814.99	4141165	0.003014	21.61	21.61	0	ANNUAL	DSTPH5	5	Phase5	590815	4141165	3.67E-05	21.61	21.61	0	ANNUAL	DSTPH6	5	Phase5	590815	4141165	9.5E-05	21.61	21.61	0	ANNUAL	DSTPH7	5	Phase5	590815	4141165	4.7E-05	21.61	21.61	0	ANNUAL	DSTPH8	5
Phase5	590914.99	4141165	0.00314	19	19	0	ANNUAL	DSTPH5	5	Phase5	590915	4141165	5.31E-05	19	19	0	ANNUAL	DSTPH6	5	Phase5	590915	4141165	0.000159	19	19	0	ANNUAL	DSTPH7	5	Phase5	590915	4141165	6.66E-05	19	19	0	ANNUAL	DSTPH8	5
offsite	591014.99	4141165	0.003564	10.8	22.57	0	ANNUAL	DSTPH5	5	offsite	591015	4141165	0.000111	10.8	22.57	0	ANNUAL	DSTPH6	5	offsite	591015	4141165	0.000304	10.8	22.57	0	ANNUAL	DSTPH7	5	offsite	591015	4141165	9.49E-05	10.8	22.57	0	ANNUAL	DSTPH8	5
Phase6	591114.99	4141165	0.000718	5.41	8.42	0	ANNUAL	DSTPH5	5	Phase6	591115	4141165	0.001139	5.41	8.42	0	ANNUAL	DSTPH6	5	Phase6	591115	4141165	0.000617	5.41	8.42	0	ANNUAL	DSTPH7	5	Phase6	591115	4141165	0.000145	5.41	8.42	0	ANNUAL	DSTPH8	5
Phase6	591214.99	4141165	0.000338	9.58	9.58	0	ANNUAL	DSTPH5	5	Phase6	591215	4141165	0.001282	9.58	9.58	0	ANNUAL	DSTPH6	5	Phase6	591215	4141165	0.001132	9.58	9.58	0	ANNUAL	DSTPH7	5	Phase6	591215	4141165	0.000256	9.58	9.58	0	ANNUAL	DSTPH8	5
Phase7	591314.99	4141165	0.000199	12.79	12.79	0	ANNUAL	DSTPH5	5	Phase7	591315	4141165	0.000569	12.79	12.79	0	ANNUAL	DSTPH6	5	Phase7	591315	4141165	0.002098	12.79	12.79	0	ANNUAL	DSTPH7	5	Phase7	591315	4141165	0.000591	12.79	12.79	0	ANNUAL	DSTPH8	5
Phase8	591414.99	4141165	0.000134	15.13	15.13	0	ANNUAL	DSTPH5	5	Phase8	591415	4141165	0.000418	15.13	15.13	0	ANNUAL	DSTPH6	5	Phase8	591415	4141165	0.000472	15.13	15.13	0	ANNUAL	DSTPH7	5	Phase8	591415	4141165	0	15.13	15.13	0	ANNUAL	DSTPH8	5
Phase8	591514.99	4141165	9.95E-05	14.57	14.57	0	ANNUAL	DSTPH5	5	Phase8	591515	4141165	0.00035	14.57	14.57	0	ANNUAL	DSTPH6	5	Phase8	591515	4141165	0.000207	14.57	14.57	0	ANNUAL	DSTPH7	5	Phase8	591515	4141165	0	14.57	14.57	0	ANNUAL	DSTPH8	5
Phase8	591614.99	4141165	7.98E-05	11.3	11.3	0	ANNUAL	DSTPH5	5	Phase8	591615	4141165	0.000277	11.3	11.3	0	ANNUAL	DSTPH6	5	Phase8	591615	4141165	0.000129	11.3	11.3	0	ANNUAL	DSTPH7	5	Phase8	591615	4141165	0	11.3	11.3	0	ANNUAL	DSTPH8	5
path	591714.99	4141165	6.66E-05	4.22	7.24	0	ANNUAL	DSTPH5	5	path	591715	4141165	0.000198	4.22	7.24	0	ANNUAL	DSTPH6	5	path	591715	4141165	8.91E-05	4.22	7.24	0	ANNUAL	DSTPH7	5	path	591715	4141165	0.000821	4.22	7.24	0	ANNUAL	DSTPH8	5
path	591814.99	4141165	5.49E-05	5.47	7.17	0	ANNUAL	DSTPH5	5	path	591815	4141165	0.000145	5.47	7.17	0	ANNUAL	DSTPH6	5	path	591815	4141165	6.36E-05	5.47	7.17	0	ANNUAL	DSTPH7	5	path	591815	4141165	0.000335	5.47	7.17	0	ANNUAL	DSTPH8	5
offsite	591914.99	4141165	4.64E-05	4.02	4.02	0	ANNUAL	DSTPH5	5	offsite	591915	4141165	0.000109	4.02	4.02	0	ANNUAL	DSTPH6	5	offsite	591915	4141165	4.79E-05	4.02	4.02	0	ANNUAL	DSTPH7	5	offsite	591915	4141165	0.000186	4.02	4.02	0	ANNUAL	DSTPH8	5
offsite	592014.99	4141165	3.98E-05	3.38	3.38	0	ANNUAL	DSTPH5	5	offsite	592015	4141165	8.49E-05	3.38	3.38	0	ANNUAL	DSTPH6	5	offsite	592015	4141165	3.75E-05	3.38	3.38	0	ANNUAL	DSTPH7	5	offsite	592015	4141165	0.00012	3.38	3.38	0	ANNUAL	DSTPH8	5
offsite	592114.99	4141165	3.48E-05	3.44	3.44	0	ANNUAL	DSTPH5	5	offsite	592115	4141165	6.78E-05	3.44	3.44	0	ANNUAL	DSTPH6	5	offsite	592115	4141165	3.03E-05	3.44	3.44	0	ANNUAL	DSTPH7	5	offsite	592115	4141165	8.48E-05	3.44	3.44	0	ANNUAL	DSTPH8	5
offsite	592214.99	4141165	3.07E-05	3.1	3.1	0	ANNUAL	DSTPH5	5	offsite	592215	4141165	5.53E-05	3.1	3.1	0	ANNUAL	DSTPH6	5	offsite	592215	4141165	2.5E-05	3.1	3.1	0	ANNUAL	DSTPH7	5	offsite	592215	4141165	6.36E-05	3.1	3.1	0	ANNUAL	DSTPH8	5
offsite	592314.99	4141165	2.75E-05	3.71	3.71	0	ANNUAL	DSTPH5	5	offsite	592315	4141165	4.6E-05	3.71	3.71	0	ANNUAL	DSTPH6	5	offsite	592315	4141165	2.11E-05	3.71	3.71	0	ANNUAL	DSTPH7	5	offsite	592315	4141165	4.98E-05	3.71	3.71	0	ANNUAL	DSTPH8	5
offsite	590514.99	4141265	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590515	4141265	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590515	4141265	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590515	4141265	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590614.99	4141265	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590615	4141265	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590615	4141265	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590615	4141265	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590714.99	4141265	0.003277	12.24	20.35	0	ANNUAL	DSTPH5	5	offsite	590715	4141265	5.03E-05	12.24	20.35	0	ANNUAL	DSTPH6	5	offsite	590715	4141265	9.03E-05	12.24	20.35	0	ANNUAL	DSTPH7	5	offsite	590715	4141265	5.11E-05	12.24	20.35	0	ANNUAL	DSTPH8	5
offsite	590814.99	4141265	0	5.82	25.04	0	ANNUAL	DSTPH5	5	offsite	590815	4141265	7.67E-05	5.82	25.04	0	ANNUAL	DSTPH6	5	offsite	590815	4141265	0.000128	5.82	25.04	0	ANNUAL	DSTPH7	5	offsite	590815	4141265	6.69E-05	5.82	25.04	0	ANNUAL	DSTPH8	5
offsite	590914.99	4141265	0.003035	14.89	14.89	0	ANNUAL	DSTPH5	5	offsite	590915	4141265	0.000114	14.89	14.89	0	ANNUAL	DSTPH6	5	offsite	590915	4141265	0.000194	14.89	14.89	0	ANNUAL	DSTPH7	5	offsite	590915	4141265	9.21E-05	14.89	14.89	0	ANNUAL	DSTPH8	5
offsite	591014.99	4141265	0.001028	2.06	25.04	0	ANNUAL	DSTPH5	5	offsite	591015	4141265	0.000321	2.06	25.04	0	ANNUAL	DSTPH6	5	offsite	591015	4141265	0.000282	2.06	25.04	0	ANNUAL	DSTPH7	5	offsite	591015	4141265	0.000132	2.06	25.04	0	ANNUAL	DSTPH8	5
Phase6	591114.99	4141265	0.000408	3.89	21.19	0	ANNUAL	DSTPH5	5	Phase6	591115	4141265	0	3.89	21.19	0	ANNUAL	DSTPH6	5	Phase6	591115	4141265	0.000393	3.89	21.19	0	ANNUAL	DSTPH7	5	Phase6	591115	4141265	0.000207	3.89	21.19	0	ANNUAL	DSTPH8	5
offsite	591214.99	4141265	0.000229	10.76	10.76	0	ANNUAL	DSTPH5	5	offsite	591215	4141265	0	10.76	10.76	0	ANNUAL	DSTPH6	5	offsite	591215	4141265	0.000454	10.76	10.76	0	ANNUAL	DSTPH7	5	offsite	591215	4141265	0.000365	10.76	10.76	0	ANNUAL	DSTPH8	5
Phase6	591314.99	4141265	0.000152	13.2	13.2	0	ANNUAL	DSTPH5	5	Phase6	591315	4141265	0.001461	13.2	13.2	0	ANNUAL	DSTPH6	5	Phase6	591315	4141265	0.000353	13.2	13.2	0	ANNUAL	DSTPH7	5	Phase6	591315	4141265	0.000736	13.2	13.2	0	ANNUAL	DSTPH8	5
Phase6	591414.99	4141265	0.000111	13.61	13.61	0	ANNUAL	DSTPH5	5	Phase6	591415	4141265	0.001298	13.61	13.61	0	ANNUAL	DSTPH6	5	Phase6	591415	4141265	0.000196	13.61	13.61	0	ANNUAL	DSTPH7	5	Phase6	591415	4141265	0.001408	13.61	13.61	0	ANNUAL	DSTPH8	5
Phase8	591514.99	4141265	8.68E-05	11.97	11.97	0	ANNUAL	DSTPH5	5	Phase8	591515	4141265	0.000727	11.97	11.97	0	ANNUAL	DSTPH6	5	Phase8	591515	4141265	0.000127	11.97	11.97	0	ANNUAL	DSTPH7	5	Phase8	591515	4141265	0.003726	11.97	11.97	0	ANNUAL	DSTPH8	5
path	591614.99	4141265	7.19E-05	3.92	12.81	0	ANNUAL	DSTPH5	5	path	591615	4141265	0.000355	3.92	12.81	0	ANNUAL	DSTPH6	5	path	591615	4141265	9.1E-05	3.92	12.81	0	ANNUAL	DSTPH7	5	path	591615	4141265	0.001014	3.92	12.81	0	ANNUAL	DSTPH8	5
path	591714.99	4141265	5.88E-05	3.99	6.33	0	ANNUAL	DSTPH5	5	path	591715	4141265	0.000208	3.99	6.33	0	ANNUAL	DSTPH6	5	path	591715	4141265	6.65E-05	3.99	6.33	0	ANNUAL	DSTPH7	5	path	591715	4141265	0.000367	3.99	6.33	0	ANNUAL	DSTPH8	5
offsite	591814.99	4141265	4.92E-05	3.24	3.24	0	ANNUAL	DSTPH5	5	offsite	591815	4141265	0.000141	3.24	3.24	0	ANNUAL	DSTPH6	5	offsite	591815	4141265	5.09E-05	3.24	3.24	0	ANNUAL	DSTPH7	5	offsite	591815	4141265	0.000202	3.24	3.24	0	ANNUAL	DSTPH8	5
offsite	591914.99	4141265	4.2E-05	3	3	0	ANNUAL	DSTPH5	5	offsite	591915	4141265	0.000103	3	3	0	ANNUAL	DSTPH6	5	offsite	591915	4141265	4.01E-05	3	3	0	ANNUAL	DSTPH7	5	offsite	591915	4141265	0.000131	3	3	0	ANNUAL	DSTPH8	5
offsite	592014.99	4141265	3.64E-05	3.64	3.64	0	ANNUAL	DSTPH5	5	offsite	592015	4141265	7.89E-05	3.64	3.64	0	ANNUAL	DSTPH6	5	offsite	592015	4141265	3.24E-05	3.64	3.64	0	ANNUAL	DSTPH7	5	offsite	592015	4141265	9.29E-05	3.64	3.64	0	ANNUAL	DSTPH8	5
offsite	592114.99	4141265	3.19E-05	3.66	3.66	0	ANNUAL	DSTPH5	5	offsite	592115	4141265	6.24E-05	3.66	3.66	0	ANNUAL	DSTPH6	5	offsite	592115	4141265	2.68E-05	3.66	3.66	0	ANNUAL	DSTPH7	5	offsite	592115	4141265	6.94E-05	3.66	3.66	0	ANNUAL	DSTPH8	5
offsite	592214.99	4141265	2.84E-05	3.69	3.69	0	ANNUAL	DSTPH5	5	offsite	592215	4141265	5.08E-05	3.69	3.69	0	ANNUAL	DSTPH6	5	offsite	592215	4141265	2.25E-05	3.69	3.69	0	ANNUAL	DSTPH7	5	offsite	592215	4141265	5.4E-05	3.69	3.69	0	ANNUAL	DSTPH8	5
offsite	592314.99	4141265	2.55E-05	3.44	3.44	0	ANNUAL	DSTPH5	5	offsite	592315	4141265	4.22E-05	3.44	3.44	0	ANNUAL	DSTPH6	5	offsite	592315	4141265	1.92E-05	3.44	3.44	0	ANNUAL	DSTPH7	5	offsite	592315	4141265	4.33E-05	3.44	3.44	0	ANNUAL	DSTPH8	5
offsite	592414.99	4141265	2.31E-05	2.66	2.66	0	ANNUAL	DSTPH5	5	offsite	592415	4141265	3.57E-05	2.66	2.66	0	ANNUAL	DSTPH6	5	offsite	592415	4141265	1.66E-05	2.66	2.66	0	ANNUAL	DSTPH7	5	offsite	592415	4141265	3.56E-05	2.66	2.66	0	ANNUAL	DSTPH8	5
offsite	590514.99	4141365	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590515	4141365	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590515	4141365	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590515	4141365	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590614.99	4141365	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590615	4141365	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590615	4141365	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590615	4141365	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590714.99	4141365	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590715	4141365	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590715	4141365	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590715	4141365	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590814.99	4141365	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590815	4141365	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590815	4141365	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590815	4141365	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590914.99	4141365	0	0	0	0	ANNUAL	DSTPH5	5	offsite	590915	4141365	0	0	0	0	ANNUAL	DSTPH6	5	offsite	590915	4141365	0	0	0	0	ANNUAL	DSTPH7	5	offsite	590915	4141365	0	0	0	0	ANNUAL	DSTPH8	5
Phase6	591014.99	4141365	0.000396	7.09	21.25	0	ANNUAL	DSTPH5	5	Phase6	591015	4141365	0.001433	7.09	21.25	0	ANNUAL	DSTPH6	5	Phase6	591015	4141365	0.000215	7.09	21.25	0	ANNUAL	DSTPH7	5	Phase6	591015	4141365	0.000161	7.09	21.25	0	ANNUAL	DSTPH8	5
Phase6	591114.99	4141365	0.000211	17.95	17.95	0	ANNUAL	DSTPH5	5	Phase6	591115	4141365	0.001336	17.95	17.95	0	ANNUAL	DSTPH6	5	Phase6	591115	4141365	0.00023	17.95	17.95	0	ANNUAL	DSTPH7	5	Phase6	591115	4141365	0.000238	17.95	17.95	0	ANNUAL	DSTPH8	5
Phase6	591214.99	4141365	0.000154	16.46	16.46	0	ANNUAL	DSTPH5	5	Phase6	591215	4141365	0.001487	16.46	16.46	0	ANNUAL	DSTPH6	5	Phase6	591215	4141365	0.00021	16.46	16.46	0	ANNUAL	DSTPH7	5	Phase6	591215	4141365	0.000356	16.46	16.46	0	ANNUAL	DSTPH8	5
Phase6	591314.99	4141365	0.000117	15.9	15.9	0	ANNUAL	DSTPH5	5	Phase6	591315	4141365	0	15.9	15.9	0	ANNUAL	DSTPH6	5	Phase6	591315	4141365	0.000157	15.9	15.9	0	ANNUAL	DSTPH7	5	Phase6	591315	4141365	0.000508	15.9	15.9	0	ANNUAL	DSTPH8	5
Phase6	591414.99	4141365	9.29E-05	13.57	14.66	0	ANNUAL	DSTPH5	5	Phase6	591415	4141365	0	13.57	14.66	0	ANNUAL	DSTPH6	5	Phase6	591415	4141365	0.000113	13.57	14.66	0	ANNUAL	DSTPH7	5	Phase6	591415	4141365	0.000617	13.57	14.66	0	ANNUAL	DSTPH8	5
Phase6	591514.99	4141365	7.69E-05	3.35	14.66	0	ANNUAL	DSTPH5	5	Phase6	591515	4141365	0	3.35	14.66	0	ANNUAL	DSTPH6	5	Phase6	591515	4141365	8.62E-05	3.35	14.66	0	ANNUAL	DSTPH7	5	Phase6	591515	4141365	0.000541	3.35	14.66	0	ANNUAL	DSTPH8	5
path	591614.99	4141365	6.29E-05	2.71	2.71	0	ANNUAL	DSTPH5	5	path	591615	4141365	0.000322	2.71	2.71	0	ANNUAL	DSTPH6	5	path	591615	4141365	6.5E-05	2.71	2.71	0	ANNUAL	DSTPH7	5	path	591615	4141365	0.000318	2.71	2.71	0	ANNUAL	DSTPH8	5
offsite	591714.99	4141365	5.25E-05	2.95	2.95	0	ANNUAL	DSTPH5	5	offsite	591715	4141365	0.000186	2.95	2.95	0	ANNUAL	DSTPH6	5	offsite	591715	4141365	5.09E-05	2.95	2.95	0	ANNUAL	DSTPH7	5	offsite	591715	4141365	0.000195	2.95	2.95	0	ANNUAL	DSTPH8	5
offsite	591814.99	4141365	4.46E-05	4.08	4.08	0	ANNUAL	DSTPH5	5	offsite	591815	4141365	0.000126	4.08	4.08	0	ANNUAL	DSTPH6	5	offsite	591815	4141365	4.1E-05	4.08	4.08	0	ANNUAL	DSTPH7	5	offsite	591815	4141365	0.000133	4.08	4.08	0	ANNUAL	DSTPH8	5
offsite	591914.99	4141365	3.85E-05	3.94	3.94	0	ANNUAL	DSTPH5	5	offsite	591915	4141365	9.17E-05	3.94	3.94	0	ANNUAL	DSTPH6	5	offsite	591915	4141365	3.38E-05	3.94	3.94	0	ANNUAL	DSTPH7	5	offsite	591915	4141365	9.63E-05	3.94	3.94	0	ANNUAL	DSTPH8	5
offsite	592014.99	4141365	3.36E-05	3.59	3.59	0	ANNUAL	DSTPH5	5	offsite	592015	4141365	7.03E-05	3.59	3.59	0	ANNUAL	DSTPH6	5	offsite	592015	4141365	2.82E-05	3.59	3.59	0	ANNUAL	DSTPH7	5	offsite	592015	4141365	7.32E-05	3.59	3.59	0	ANNUAL	DSTPH8	5

Phase 5

5	5	5	5	5	5	5	5	5	5
eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	rce Group (	Years (NUM
offsite	592114.99	4141365	2.97E-05	3.6	3.6	0	ANNUAL	DSTPH5	5
offsite	592214.99	4141365	2.65E-05	3.44	3.44	0	ANNUAL	DSTPH5	5
offsite	592314.99	4141365	2.39E-05	3.54	3.54	0	ANNUAL	DSTPH5	5
offsite	592414.99	4141365	2.18E-05	3.84	3.84	0	ANNUAL	DSTPH5	5
offsite	592514.99	4141365	2E-05	2.85	2.85	0	ANNUAL	DSTPH5	5
offsite	590614.99	4141465	0	0	0	0	ANNUAL	DSTPH5	5
offsite	590714.99	4141465	0	0	0	0	ANNUAL	DSTPH5	5
offsite	590814.99	4141465	0	0	0	0	ANNUAL	DSTPH5	5
offsite	590914.99	4141465	0	0	0	0	ANNUAL	DSTPH5	5
Phase6	591014.99	4141465	0.00021	14.43	21.25	0	ANNUAL	DSTPH5	5
Phase6	591114.99	4141465	0.000147	18.19	18.19	0	ANNUAL	DSTPH5	5
Phase6	591214.99	4141465	0.000114	17.94	17.94	0	ANNUAL	DSTPH5	5
Phase6	591314.99	4141465	9.44E-05	14.86	14.86	0	ANNUAL	DSTPH5	5
Phase6	591414.99	4141465	7.96E-05	8.61	12.33	0	ANNUAL	DSTPH5	5
path	591514.99	4141465	6.6E-05	2.71	6.78	0	ANNUAL	DSTPH5	5
offsite	591614.99	4141465	5.54E-05	4.47	6.75	0	ANNUAL	DSTPH5	5
offsite	591714.99	4141465	4.71E-05	1.24	1.24	0	ANNUAL	DSTPH5	5
offsite	591814.99	4141465	4.07E-05	3.88	3.88	0	ANNUAL	DSTPH5	5
offsite	591914.99	4141465	3.55E-05	4.06	4.06	0	ANNUAL	DSTPH5	5
offsite	592014.99	4141465	3.14E-05	3.81	3.81	0	ANNUAL	DSTPH5	5
offsite	592114.99	4141465	2.79E-05	3.74	3.74	0	ANNUAL	DSTPH5	5
offsite	592214.99	4141465	2.51E-05	3.74	3.74	0	ANNUAL	DSTPH5	5
offsite	592314.99	4141465	2.27E-05	3.87	3.87	0	ANNUAL	DSTPH5	5
offsite	592414.99	4141465	2.07E-05	3.33	3.33	0	ANNUAL	DSTPH5	5
offsite	590814.99	4141565	0	0	0	0	ANNUAL	DSTPH5	5
offsite	590914.99	4141565	0	0	0	0	ANNUAL	DSTPH5	5
Phase6	591014.99	4141565	0.000152	3.66	21.32	0	ANNUAL	DSTPH5	5
Phase6	591114.99	4141565	0.000116	11.04	21.32	0	ANNUAL	DSTPH5	5
Phase6	591214.99	4141565	9.11E-05	14.66	14.66	0	ANNUAL	DSTPH5	5
Phase6	591314.99	4141565	7.73E-05	11	11	0	ANNUAL	DSTPH5	5
path	591414.99	4141565	6.61E-05	3.69	13.72	0	ANNUAL	DSTPH5	5
path	591514.99	4141565	5.64E-05	3.27	3.27	0	ANNUAL	DSTPH5	5
offsite	591614.99	4141565	4.87E-05	1.05	1.05	0	ANNUAL	DSTPH5	5
offsite	591714.99	4141565	4.23E-05	1.29	1.29	0	ANNUAL	DSTPH5	5
offsite	591814.99	4141565	3.71E-05	1.69	1.69	0	ANNUAL	DSTPH5	5
offsite	591914.99	4141565	3.28E-05	1.56	1.56	0	ANNUAL	DSTPH5	5
offsite	592014.99	4141565	2.93E-05	1.62	1.62	0	ANNUAL	DSTPH5	5
offsite	592114.99	4141565	2.63E-05	1.94	1.94	0	ANNUAL	DSTPH5	5
offsite	592214.99	4141565	2.38E-05	1.85	1.85	0	ANNUAL	DSTPH5	5
offsite	592314.99	4141565	2.18E-05	3.8	3.8	0	ANNUAL	DSTPH5	5
offsite	590914.99	4141665	0	0	0	0	ANNUAL	DSTPH5	5
Phase6	591014.99	4141665	0.000112	2.12	21.32	0	ANNUAL	DSTPH5	5
Phase6	591114.99	4141665	9.11E-05	0.39	21.32	0	ANNUAL	DSTPH5	5
Phase6	591214.99	4141665	7.57E-05	3.15	15.85	0	ANNUAL	DSTPH5	5
Phase6	591314.99	4141665	6.41E-05	2.92	13.27	0	ANNUAL	DSTPH5	5
path	591414.99	4141665	5.53E-05	2.71	2.71	0	ANNUAL	DSTPH5	5
offsite	591514.99	4141665	4.82E-05	1.78	1.78	0	ANNUAL	DSTPH5	5
offsite	591614.99	4141665	4.25E-05	0.62	0.62	0	ANNUAL	DSTPH5	5
offsite	591714.99	4141665	3.78E-05	1.25	1.25	0	ANNUAL	DSTPH5	5
offsite	591814.99	4141665	3.37E-05	1.5	1.5	0	ANNUAL	DSTPH5	5
offsite	591914.99	4141665	3.02E-05	1.62	1.62	0	ANNUAL	DSTPH5	5
offsite	592014.99	4141665	2.73E-05	1.93	1.93	0	ANNUAL	DSTPH5	5
offsite	592114.99	4141665	2.48E-05	2	2	0	ANNUAL	DSTPH5	5
offsite	592214.99	4141665	2.26E-05	2.16	2.16	0	ANNUAL	DSTPH5	5
Phase6	591114.99	4141765	7.3E-05	1.95	8.24	0	ANNUAL	DSTPH5	5
Phase6	591214.99	4141765	6.2E-05	0.34	8.43	0	ANNUAL	DSTPH5	5
path	591314.99	4141765	5.35E-05	3.28	3.28	0	ANNUAL	DSTPH5	5
offsite	591414.99	4141765	4.69E-05	4.06	5.57	0	ANNUAL	DSTPH5	5
offsite	591514.99	4141765	4.16E-05	1.23	1.23	0	ANNUAL	DSTPH5	5
offsite	591614.99	4141765	3.72E-05	1.3	1.3	0	ANNUAL	DSTPH5	5
offsite	591714.99	4141765	3.36E-05	1.98	1.98	0	ANNUAL	DSTPH5	5
offsite	591814.99	4141765	3.04E-05	1.51	1.51	0	ANNUAL	DSTPH5	5
offsite	591914.99	4141765	2.77E-05	2.27	2.27	0	ANNUAL	DSTPH5	5
offsite	592014.99	4141765	2.53E-05	2.45	2.45	0	ANNUAL	DSTPH5	5
offsite	592114.99	4141765	2.32E-05	2.58	10.47	0	ANNUAL	DSTPH5	5
offsite	590914.99	4141965	6.59E-05	4.52	4.52	0	ANNUAL	DSTPH5	5
path	591214.99	4141965	4.46E-05	2.45	4.88	0	ANNUAL	DSTPH5	5
path	591314.99	4141965	3.95E-05	3.7	5.96	0	ANNUAL	DSTPH5	5
offsite	590814.99	4142065	6.2E-05	4.38	4.38	0	ANNUAL	DSTPH5	5
offsite	590914.99	4142065	5.48E-05	4.35	4.35	0	ANNUAL	DSTPH5	5
offsite	591014.99	4142065	4.88E-05	4.45	4.45	0	ANNUAL	DSTPH5	5
path	591114.99	4142065	4.36E-05	2.76	6.01	0	ANNUAL	DSTPH5	5
path	591214.99	4142065	3.89E-05	2.77	2.77	0	ANNUAL	DSTPH5	5
offsite	590714.99	4142165	5.86E-05	4.93	4.93	0	ANNUAL	DSTPH5	5
offsite	590814.99	4142165	5.2E-05	4.16	4.16	0	ANNUAL	DSTPH5	5
path	590914.99	4142165	4.66E-05	5.08	5.08	0	ANNUAL	DSTPH5	5
path	591014.99	4142165	4.2E-05	2.86	6.59	0	ANNUAL	DSTPH5	5
path	591114.99	4142165	3.81E-05	2.73	2.73	0	ANNUAL	DSTPH5	5
path	590414.99	4142265	6.6E-05	2.14	2.14	0	ANNUAL	DSTPH5	5
path	590514.99	4142265	6.1E-05	1.96	1.96	0	ANNUAL	DSTPH5	5
path	590614.99	4142265	5.54E-05	2.25	2.25	0	ANNUAL	DSTPH5	5
path	590714.99	4142265	4.97E-05	2.09	2.09	0	ANNUAL	DSTPH5	5
path	590814.99	4142265	4.46E-05	2.31	2.31	0	ANNUAL	DSTPH5	5
path	590914.99	4142265	4.03E-05	3.69	3.69	0	ANNUAL	DSTPH5	5
path	591014.99	4142265	3.68E-05	5.09	6.6	0	ANNUAL	DSTPH5	5
school	591514.99	4142365	2.17E-05	2.1	2.1	0	ANNUAL	DSTPH5	5
park	591214.99	4142465	2.54E-05	2.46	2.46	0	ANNUAL	DSTPH5	5
park	591314.99	4142465	2.35E-05	1.22	1.22	0	ANNUAL	DSTPH5	5
school	591414.99	4142465	2.18E-05	2	2	0	ANNUAL	DSTPH5	5
path	590414.99	4142565	4.34E-05	3.55	3.55	0	ANNUAL	DSTPH5	5
offsite	590914.99	4142565	2.84E-05	1.2	1.2	0	ANNUAL	DSTPH5	5
offsite	591014.99	4142565	2.66E-05	3.17	3.17	0	ANNUAL	DSTPH5	5
offsite	591114.99	4142565	2.5E-05	3.4	3.4	0	ANNUAL	DSTPH5	5
park	591214.99	4142565	2.34E-05	0.83	0.83	0	ANNUAL	DSTPH5	5
park	591314.99	4142565	2.18E-05	1.13	1.13	0	ANNUAL	DSTPH5	5
school	591414.99	4142565	2.03E-05	1.51	1.51	0	ANNUAL	DSTPH5	5
path	590314.99	4142665	4.13E-05	2.69	5.28	0	ANNUAL	DSTPH5	5
offsite	590514.99	4142665	3.57E-05	0.8	0.8	0	ANNUAL	DSTPH5	5
offsite	590614.99	4142665	3.29E-05	0.53	0.53	0	ANNUAL	DSTPH5	5
offsite	590714.99	4142665	3.02E-05	1.02	1.02	0	ANNUAL	DSTPH5	5
offsite	590814.99	4142665	2.79E-05	1.74	1.74	0	ANNUAL	DSTPH5	5
offsite	590914.99	4142665	2.59E-05	2.63	2.63	0	ANNUAL	DSTPH5	5
offsite	591014.99	4142665	2.43E-05	2.02	2.02	0	ANNUAL	DSTPH5	5
park	591214.99	4142665	2.16E-05	0.97	0.97	0	ANNUAL	DSTPH5	5
path	590314.99	4142765	3.72E-05	3.77	5.39	0	ANNUAL	DSTPH5	5
offsite	590514.99	4142765	3.22E-05	0.81	0.81	0	ANNUAL	DSTPH5	5
offsite	590614.99	4142765	2.97E-05	0.85	0.85	0	ANNUAL	DSTPH5	5
offsite	590714.99	4142765	2.75E-05	1.31	1.31	0	ANNUAL	DSTPH5	5
offsite	590814.99	4142765	2.54E-05	1.05	1.05	0	ANNUAL	DSTPH5	5
offsite	590914.99	4142765	2.38E-05	1.13	1.13	0	ANNUAL	DSTPH5	5
offsite	591014.99	4142765	2.24E-05	0.77	0.77	0	ANNUAL	DSTPH5	5
offsite	591114.99	4142765	2.13E-05	1.21	1.21	0	ANNUAL	DSTPH5	5
220 (park)	591239.54	4140295	7.29E-05	4.74	4.74	0	ANNUAL	DSTPH5	5
1219 (park	591338.72	4140348	8.92E-05	4.14	12.49	0	ANNUAL	DSTPH5	5

Phase 6

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eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	rce Group (	Years (NUM
offsite	592115	4141365	5.58E-05	3.6	3.6	0	ANNUAL	DSTPH6	5
offsite	592215	4141365	4.56E-05	3.44	3.44	0	ANNUAL	DSTPH6	5
offsite	592315	4141365	3.81E-05	3.54	3.54	0	ANNUAL	DSTPH6	5
offsite	592415	4141365	3.24E-05	3.84	3.84	0	ANNUAL	DSTPH6	5
offsite	592515	4141365	2.81E-05	2.85	2.85	0	ANNUAL	DSTPH6	5
offsite	590615	4141465	0	0	0	0	ANNUAL	DSTPH6	5
offsite	590715	4141465	0	0	0	0	ANNUAL	DSTPH6	5
offsite	590815	4141465	0	0	0	0	ANNUAL	DSTPH6	5
offsite	590915	4141465	0	0	0	0	ANNUAL	DSTPH6	5
Phase6	591015	4141465	0.001369	14.43	21.25	0	ANNUAL	DSTPH6	5
Phase6	591115	4141465	0.001431	18.19	18.19	0	ANNUAL	DSTPH6	5
Phase6	591215	4141465	0.0015	17.94	17.94	0	ANNUAL	DSTPH6	5
Phase6	591315	4141465	0	14.86	14.86	0	ANNUAL	DSTPH6	5
Phase6	591415	4141465	0	8.61	12.33	0	ANNUAL	DSTPH6	5
path	591515	4141465	0.000483	2.71	6.78	0	ANNUAL	DSTPH6	5
offsite	591615	4141465	0.000242	4.47	6.75	0	ANNUAL	DSTPH6	5
offsite	591715	4141465	0.000152	1.24	1.24	0	ANNUAL	DSTPH6	5
offsite	591815	4141465	0.000107	3.88	3.88	0	ANNUAL	DSTPH6	5
offsite	591915	4141465	7.92E-05	4.06	4.06	0	ANNUAL	DSTPH6	5
offsite	592015	4141465	6.15E-05	3.81	3.81	0	ANNUAL	DSTPH6	5
offsite	592115	4141465	4.94E-05	3.74	3.74	0	ANNUAL	DSTPH6	5
offsite	592215	4141465	4.07E-05	3.74	3.74	0	ANNUAL	DSTPH6	5
offsite	592315	4141465	3.43E-05	3.87	3.87	0	ANNUAL	DSTPH6	5
offsite	592415	4141465	2.94E-05	3.33	3.33	0	ANNUAL	DSTPH6	5
offsite	590815	4141565	0	0	0	0	ANNUAL	DSTPH6	5
offsite	590915	4141565	0	0	0	0	ANNUAL	DSTPH6	5
Phase6	591015	4141565	0	3.66	21.32	0	ANNUAL	DSTPH6	5
Phase6	591115	4141565	0	11.04	21.32	0	ANNUAL	DSTPH6	5
Phase6	591215	4141565	0	14.66	14.66	0	ANNUAL	DSTPH6	5
Phase6	591315	4141565	0	11	11	0	ANNUAL	DSTPH6	5
path	591415	4141565	0.000765	3.69	13.72	0	ANNUAL	DSTPH6	5
path	591515	4141565	0.000303	3.27	3.27	0	ANNUAL	DSTPH6	5
offsite	591615	4141565	0.000179	1.05	1.05	0	ANNUAL	DSTPH6	5
offsite	591715	4141565	0.000121	1.29	1.29	0	ANNUAL	DSTPH6	5
offsite	591815	4141565	8.79E-05	1.69	1.69	0	ANNUAL	DSTPH6	5
offsite	591915	4141565	6.73E-05	1.56	1.56	0	ANNUAL	DSTPH6	5
offsite	592015	4141565	5.35E-05	1.62	1.62	0	ANNUAL	DSTPH6	5
offsite	592115	4141565	4.37E-05	1.94	1.94	0	ANNUAL	DSTPH6	5
offsite	592215	4141565	3.65E-05	1.85	1.85	0	ANNUAL	DSTPH6	5
offsite	592315	4141565	3.11E-05	3.8	3.8	0	ANNUAL	DSTPH6	5
offsite	590915	4141665	0	0	0	0	ANNUAL	DSTPH6	5
Phase6	591015	4141665	0.001314	2.12	21.32	0	ANNUAL	DSTPH6	5
Phase6	591115	4141665	0	0.39	21.32	0	ANNUAL	DSTPH6	5
Phase6	591215	4141665	0	3.15	15.85	0	ANNUAL	DSTPH6	5
Phase6	591315	4141665	0	2.92	13.27	0	ANNUAL	DSTPH6	5
path	591415	4141665	0.00037	2.71	2.71	0	ANNUAL	DSTPH6	5
offsite	591515	4141665	0.000201	1.78	1.78	0	ANNUAL	DSTPH6	5
offsite	591615	4141665	0.000132	0.62	0.62	0	ANNUAL	DSTPH6	5
offsite	591715	4141665	9.48E-05	1.25	1.25	0	ANNUAL	DSTPH6	5
offsite	591815	4141665	7.22E-05	1.5	1.5	0	ANNUAL	DSTPH6	5
offsite	591915	4141665	5.72E-05	1.62	1.62	0	ANNUAL	DSTPH6	5
offsite	592015	4141665	4.66E-05	1.93	1.93	0	ANNUAL	DSTPH6	5
offsite	592115	4141665	3.88E-05	2	2	0	ANNUAL	DSTPH6	5
offsite	592215	4141665	3.29E-05	2.16	2.16	0	ANNUAL	DSTPH6	5
Phase6	591115	4141765	0.001366	1.95	8.24	0	ANNUAL	DSTPH6	5
Phase6	591215	4141765	0	0.34	8.43	0	ANNUAL	DSTPH6	5
path	591315	4141765	0.00052	3.28	3.28	0	ANNUAL	DSTPH6	5
offsite	591415	4141765	0.000217	4.06	5.57	0	ANNUAL	DSTPH6	5
offsite	591515	4141765	0.000138	1.23	1.23	0	ANNUAL	DSTPH6	5
offsite	591615	4141765	9.87E-05	1.3	1.3	0	ANNUAL	DSTPH6	5
offsite	591715	4141765	7.53E-05	1.98	1.98	0	ANNUAL	DSTPH6	5
offsite	591815	4141765	5.98E-05	1.51	1.51	0	ANNUAL	DSTPH6	5
offsite	591915	4141765	4.89E-05	2.27	2.27	0	ANNUAL	DSTPH6	5
offsite	592015	4141765	4.08E-05	2.45	2.45	0	ANNUAL	DSTPH6	5
offsite	592115	4141765	3.46E-05	2.58	10.47	0	ANNUAL	DSTPH6	5
offsite	590915	4141965	0.00023	4.52	4.52	0	ANNUAL	DSTPH6	5
path	591215	4141965	0.000168	2.45	4.88	0	ANNUAL	DSTPH6	5
path	591315	4141965	0.000123	3.7	5.96	0	ANNUAL	DSTPH6	5
offsite	590815	4142065	0.000162	4.38	4.38	0	ANNUAL	DSTPH6	5
offsite	590915	4142065	0.000165	4.35	4.35	0	ANNUAL	DSTPH6	5
offsite	591015	4142065	0.000156	4.45	4.45	0	ANNUAL	DSTPH6	5
path	591115	4142065	0.000136	2.76	6.01	0	ANNUAL	DSTPH6	5
path	591215	4142065	0.00011	2.77	2.77	0	ANNUAL	DSTPH6	5
offsite	590715	4142165	0.000122	4.93	4.93	0	ANNUAL	DSTPH6	5
offsite	590815	4142165	0.000125	4.16	4.16	0	ANNUAL	DSTPH6	5
path	590915	4142165	0.000121	5.08	5.08	0	ANNUAL	DSTPH6	5
path	591015	4142165	0.000111	2.86	6.59	0	ANNUAL	DSTPH6	5
path	591115	4142165	9.58E-05	2.73	2.73	0	ANNUAL	DSTPH6	5
path	590415	4142265	8.41E-05	2.14	2.14	0	ANNUAL	DSTPH6	5
path	590515	4142265	9.09E-05	1.96	1.96	0	ANNUAL	DSTPH6	5
path	590615	4142265	9.62E-05	2.25	2.25	0	ANNUAL	DSTPH6	5
path	590715	4142265	9.87E-05	2.09	2.09	0	ANNUAL	DSTPH6	5
path	590815	4142265	9.75E-05	2.31	2.31	0	ANNUAL	DSTPH6	5
path	590915	4142265	9.22E-05	3.69	3.69	0	ANNUAL	DSTPH6	5
path	591015	4142265	8.32E-05	5.09	6.6	0	ANNUAL	DSTPH6	5
school	591515	4142365	3.35E-05	2.1	2.1	0	ANNUAL	DSTPH6	5
park	591215	4142465	4.09E-05	2.46	2.46	0	ANNUAL	DSTPH6	5
park	591315	4142465	3.63E-05	1.22	1.22	0	ANNUAL	DSTPH6	5
school	591415	4142465	3.24E-05	2	2	0	ANNUAL	DSTPH6	5
path	590415	4142565	5.81E-05	3.55	3.55	0	ANNUAL	DSTPH6	5
offsite	590915	4142565	4.83E-05	1.2	1.2	0	ANNUAL	DSTPH6	5
offsite	591015	4142565	4.35E-05	3.17	3.17	0	ANNUAL	DSTPH6	5
offsite	591115	4142565	3.89E-05	3.4	3.4	0	ANNUAL	DSTPH6	5
park	591215	4142565	3.47E-05	0.83	0.83	0	ANNUAL	DSTPH6	5
park	591315	4142565	3.12E-05	1.13	1.13	0	ANNUAL	DSTPH6	5
school	591415	4142565	2.82E-05	1.51	1.51	0	ANNUAL	DSTPH6	5
path	590315	4142665	5.07E-05	2.69	5.28	0	ANNUAL	DSTPH6	5
offsite	590515	4142665	5.08E-05	0.8	0.8	0	ANNUAL	DSTPH6	5
offsite	590615	4142665	4.96E-05	0.53	0.53	0	ANNUAL	DSTPH6	5
offsite	590715	4142665	4.74E-05	1.02	1.02	0	ANNUAL	DSTPH6	5
offsite	590815	4142665	4.44E-05	1.74	1.74	0	ANNUAL	DSTPH6	5
offsite	590915	4142665	4.08E-05	2.63	2.63	0	ANNUAL	DSTPH6	5
offsite	591015	4142665	3.69E-05	2.02	2.02	0	ANNUAL	DSTPH6	5
park	591215	4142665	2.99E-05	0.97	0.97	0	ANNUAL	DSTPH6	5
path	590315	4142765	4.55E-05	3.77	5.39	0	ANNUAL	DSTPH6	5
offsite	590515	4142765	4.45E-05	0.81	0.81	0	ANNUAL	DSTPH6	5
offsite	590615	4142765	4.31E-05	0.85	0.85	0	ANNUAL	DSTPH6	5
offsite	590715	4142765	4.09E-05	1.31	1.31	0	ANNUAL	DSTPH6	5
offsite	590815	4142765	3.82E-05	1.05	1.05	0	ANNUAL	DSTPH6	5
offsite	590915	4142765	3.51E-05	1.13	1.13	0	ANNUAL	DSTPH6	5
offsite	591015	4142765	3.19E-05	0.77	0.77	0	ANNUAL	DSTPH6	5
offsite	591115	4142765	2.89E-05	1.21	1.21	0	ANNUAL	DSTPH6	5
220 (park)	591239.5	4140295	1.24E-05	4.74	4.74	0	ANNUAL	DSTPH6	5
1219 (park	591338.7	4140348	1.66E-05	4.14	12.49	0	ANNUAL	DSTPH6	5

Phase 7

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eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	rce Group (	Years (NUM
offsite	592115	4141365	2.38E-05	3.6	3.6	0	ANNUAL	DSTPH7	5
offsite	592215	4141365	2.04E-05	3.44	3.44	0	ANNUAL	DSTPH7	5
offsite	592315	4141365	1.77E-05	3.54	3.54	0	ANNUAL	DSTPH7	5
offsite	592415	4141365	1.55E-05	3.84	3.84	0	ANNUAL	DSTPH7	5
offsite	592515	4141365	1.37E-05	2.85	2.85	0	ANNUAL	DSTPH7	5
offsite	590615	4141465	0	0	0	0	ANNUAL	DSTPH7	5
offsite	590715	4141465	0	0	0	0	ANNUAL	DSTPH7	5
offsite	590815	4141465	0	0	0	0	ANNUAL	DSTPH7	5
offsite	590915	4141465	0	0	0	0	ANNUAL	DSTPH7	5
Phase6	591015	4141465	0.000154	14.43	21.25	0	ANNUAL	DSTPH7	5
Phase6	591115	4141465	0.000144	18.19	18.19	0	ANNUAL	DSTPH7	5
Phase6	591215	4141465	0.000122	17.94	17.94	0	ANNUAL	DSTPH7	5
Phase6	591315	4141465	9.73E-05	14.86	14.86	0	ANNUAL	DSTPH7	5
Phase6	591415	4141465	7.91E-05	8.61	12.33	0	ANNUAL	DSTPH7	5
path	591515	4141465	6.14E-05	2.71	6.78	0	ANNUAL	DSTPH7	5
offsite	591615	4141465	4.88E-05	4.47	6.75	0	ANNUAL	DSTPH7	5
offsite	591715	4141465	3.98E-05	1.24	1.24	0	ANNUAL	DSTPH7	5
offsite	591815	4141465	3.33E-05	3.88	3.88	0	ANNUAL	DSTPH7	5
offsite	591915	4141465	2.83E-05	4.06	4.06	0	ANNUAL	DSTPH7	5
offsite	592015	4141465	2.43E-05	3.81	3.81	0	ANNUAL	DSTPH7	5
offsite	592115	4141465	2.11E-05	3.74	3.74	0	ANNUAL	DSTPH7	5
offsite	592215	4141465	1.84E-05	3.74	3.74	0	ANNUAL	DSTPH7	5
offsite	592315	4141465	1.62E-05	3.87	3.87	0	ANNUAL	DSTPH7	5
offsite	592415	4141465	1.44E-05	3.33	3.33	0	ANNUAL	DSTPH7	5
offsite	590815	4141565	0	0	0	0	ANNUAL	DSTPH7	5
offsite	590915	4141565	0	0	0	0	ANNUAL	DSTPH7	5
Phase6	591015	4141565	0.00011	3.66	21.32	0	ANNUAL	DSTPH7	5
Phase6	591115	4141565	0.000102	11.04	21.32	0	ANNUAL	DSTPH7	5
Phase6	591215	4141565	8.38E-05	14.66	14.66	0	ANNUAL	DSTPH7	5
Phase6	591315	4141565	6.95E-05	11	11	0	ANNUAL	DSTPH7	5
path	591415	4141565	5.72E-05	3.69	13.72	0	ANNUAL	DSTPH7	5
path	591515	4141565	4.65E-05	3.27	3.27	0	ANNUAL	DSTPH7	5
offsite	591615	4141565	3.83E-05	1.05	1.05	0	ANNUAL	DSTPH7	5
offsite	591715	4141565	3.21E-05	1.29	1.29	0	ANNUAL	DSTPH7	5
offsite	591815	4141565	2.74E-05	1.69	1.69	0	ANNUAL	DSTPH7	5
offsite	591915	4141565	2.38E-05	1.56	1.56	0	ANNUAL	DSTPH7	5
offsite	592015	4141565	2.09E-05	1.62	1.62	0	ANNUAL	DSTPH7	5
offsite	592115	4141565	1.85E-05	1.94	1.94	0	ANNUAL	DSTPH7	5
offsite	592215	4141565	1.65E-05	1.85	1.85	0	ANNUAL	DSTPH7	5
offsite	592315	4141565	1.48E-05	3.8	3.8	0	ANNUAL	DSTPH7	5
offsite	590915	4141665	0	0	0	0	ANNUAL	DSTPH7	5
Phase6	591015	4141665	8.12E-05	2.12	21.32	0	ANNUAL	DSTPH7	5
Phase6	591115	4141665	7.39E-05	0.39	21.32	0	ANNUAL	DSTPH7	5
Phase6	591215	4141665	6.33E-05	3.15	15.85	0	ANNUAL	DSTPH7	5
Phase6	591315	4141665	5.24E-05	2.92	13.27	0	ANNUAL	DSTPH7	5
path	591415	4141665	4.37E-05	2.71	2.71	0	ANNUAL	DSTPH7	5
offsite	591515	4141665	3.67E-05	1.78	1.78	0	ANNUAL	DSTPH7	5
offsite	591615	4141665	3.1E-05	0.62	0.62	0	ANNUAL	DSTPH7	5
offsite	591715	4141665	2.65E-05	1.25	1.25	0	ANNUAL	DSTPH7	5
offsite	591815	4141665	2.3E-05	1.5	1.5	0	ANNUAL	DSTPH7	5
offsite	591915	4141665	2.03E-05	1.62	1.62	0	ANNUAL	DSTPH7	5
offsite	592015	4141665	1.81E-05	1.93	1.93	0	ANNUAL	DSTPH7	5
offsite	592115	4141665	1.63E-05	2	2	0	ANNUAL	DSTPH7	5
offsite	592215	4141665	1.47E-05	2.16	2.16	0	ANNUAL	DSTPH7	5
Phase6	591115	4141765	5.55E-05	1.95	8.24	0	ANNUAL	DSTPH7	5
Phase6	591215	4141765	4.77E-05	0.34	8.43	0	ANNUAL	DSTPH7	5
path	591315	4141765	4.05E-05	3.28	3.28	0	ANNUAL	DSTPH7	5
offsite	591415	4141765	3.47E-05	4.06	5.57	0	ANNUAL	DSTPH7	5
offsite	591515	4141765	2.99E-05	1.23	1.23	0	ANNUAL	DSTPH7	5
offsite	591615	4141765	2.59E-05	1.3	1.3	0	ANNUAL	DSTPH7	5
offsite	591715	4141765	2.25E-05	1.98	1.98	0	ANNUAL	DSTPH7	5
offsite	591815	4141765	1.97E-05	1.51	1.51	0	ANNUAL	DSTPH7	5
offsite	591915	4141765	1.75E-05	2.27	2.27	0	ANNUAL	DSTPH7	5
offsite	592015	4141765	1.58E-05	2.45	2.45	0	ANNUAL	DSTPH7	5
offsite	592115	4141765	1.44E-05	2.58	10.47	0	ANNUAL	DSTPH7	5
offsite	590915	4141965	4.21E-05	4.52	4.52	0	ANNUAL	DSTPH7	5
path	591215	4141965	3.05E-05	2.45	4.88	0	ANNUAL	DSTPH7	5
path	591315	4141965	2.68E-05	3.7	5.96	0	ANNUAL	DSTPH7	5
offsite	590815	4142065	3.69E-05	4.38	4.38	0	ANNUAL	DSTPH7	5
offsite	590915	4142065	3.48E-05	4.35	4.35	0	ANNUAL	DSTPH7	5
offsite	591015	4142065	3.2E-05	4.45	4.45	0	ANNUAL	DSTPH7	5
path	591115	4142065	2.87E-05	2.76	6.01	0	ANNUAL	DSTPH7	5
path	591215	4142065	2.54E-05	2.77	2.77	0	ANNUAL	DSTPH7	5
offsite	590715	4142165	3.26E-05	4.93	4.93	0	ANNUAL	DSTPH7	5
offsite	590815	4142165	3.13E-05	4.16	4.16	0	ANNUAL	DSTPH7	5
path	590915	4142165	2.94E-05	5.08	5.08	0	ANNUAL	DSTPH7	5
path	591015	4142165	2.69E-05	2.86	6.59	0	ANNUAL	DSTPH7	5
path	591115	4142165	2.42E-05	2.73	2.73	0	ANNUAL	DSTPH7	5
path	590415	4142265	2.92E-05	2.14	2.14	0	ANNUAL	DSTPH7	5
path	590515	4142265	2.93E-05	1.96	1.96	0	ANNUAL	DSTPH7	5
path	590615	4142265	2.9E-05	2.25	2.25	0	ANNUAL	DSTPH7	5
path	590715	4142265	2.82E-05	2.09	2.09	0	ANNUAL	DSTPH7	5
path	590815	4142265	2.69E-05	2.31	2.31	0	ANNUAL	DSTPH7	5
path	590915	4142265	2.51E-05	3.69	3.69	0	ANNUAL	DSTPH7	5
path	591015	4142265	2.31E-05	5.09	6.6	0	ANNUAL	DSTPH7	5
school	591515	4142365	1.29E-05	2.1	2.1	0	ANNUAL	DSTPH7	5
park	591215	4142465	1.48E-05	2.46	2.46	0	ANNUAL	DSTPH7	5
park	591315	4142465	1.35E-05	1.22	1.22	0	ANNUAL	DSTPH7	5
school	591415	4142465	1.25E-05	2	2	0	ANNUAL	DSTPH7	5
path	590415	4142565	2.16E-05	3.55	3.55	0	ANNUAL	DSTPH7	5
offsite	590915	4142565	1.71E-05	1.2	1.2	0	ANNUAL	DSTPH7	5
offsite	591015	4142565	1.58E-05	3.17	3.17	0	ANNUAL	DSTPH7	5
offsite	591115	4142565	1.45E-05	3.4	3.4	0	ANNUAL	DSTPH7	5
park	591215	4142565	1.33E-05	0.83	0.83	0	ANNUAL	DSTPH7	5
park	591315	4142565	1.23E-05	1.13	1.13	0	ANNUAL	DSTPH7	5
school	591415	4142565	1.14E-05	1.51	1.51	0	ANNUAL	DSTPH7	5
path	590315	4142665	2E-05	2.69	5.28	0	ANNUAL	DSTPH7	5
offsite	590515	4142665	1.91E-05	0.8	0.8	0	ANNUAL	DSTPH7	5
offsite	590615	4142665	1.84E-05	0.53	0.53	0	ANNUAL	DSTPH7	5
offsite	590715	4142665	1.75E-05	1.02	1.02	0	ANNUAL	DSTPH7	5
offsite	590815	4142665	1.65E-05	1.74	1.74	0	ANNUAL	DSTPH7	5
offsite	590915	4142665	1.54E-05	2.63	2.63	0	ANNUAL	DSTPH7	5
offsite	591015	4142665	1.43E-05	2.02	2.02	0	ANNUAL	DSTPH7	5
park	591215	4142665	1.21E-05	0.97	0.97	0	ANNUAL	DSTPH7	5
path	590315	4142765	1.84E-05	3.77	5.39	0	ANNUAL	DSTPH7	5
offsite	590515	4142765	1.74E-05	0.81	0.81	0	ANNUAL	DSTPH7	5
offsite	590615	4142765	1.67E-05	0.85	0.85	0	ANNUAL	DSTPH7	5
offsite	590715	4142765	1.59E-05	1.31	1.31	0	ANNUAL	DSTPH7	5
offsite	590815	4142765	1.5E-05	1.05	1.05	0	ANNUAL	DSTPH7	5
offsite	590915	4142765	1.4E-05	1.13	1.13	0	ANNUAL	DSTPH7	5
offsite	591015	4142765	1.3E-05	0.77	0.77	0	ANNUAL	DSTPH7	5
offsite	591115	4142765	1.2E-05	1.21	1.21	0	ANNUAL	DSTPH7	5
220 (park)	591239.5	4140295	1.32E-05	4.74	4.74	0	ANNUAL	DSTPH7	5
1219 (park	591338.7	4140348	2.05E-05	4.14	12.49	0	ANNUAL	DSTPH7	5

Phase 8

8	8	8	8	8	8	8	8	8	8
eptor ID (C	X	Y	AVERAGE (	vation (ZEL	Heights (Zh	gpole (ZFL	gin Period	rce Group (	Years (NUM
offsite	592115	4141365	5.75E-05	3.6	3.6	0	ANNUAL	DSTPH8	5
offsite	592215	4141365	4.63E-05	3.44	3.44	0	ANNUAL	DSTPH8	5
offsite	592315	4141365	3.81E-05	3.54	3.54	0	ANNUAL	DSTPH8	5
offsite	592415	4141365	3.19E-05	3.84	3.84	0	ANNUAL	DSTPH8	5
offsite	592515	4141365	2.71E-05	2.85	2.85	0	ANNUAL	DSTPH8	5
offsite	590615	4141465	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590715	4141465	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590815	4141465	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590915	4141465	0	0	0	0	ANNUAL	DSTPH8	5
Phase6	591015	4141465	0.000168	14.43	21.25	0	ANNUAL	DSTPH8	5
Phase6	591115	4141465	0.000222	18.19	18.19	0	ANNUAL	DSTPH8	5
Phase6	591215	4141465	0.000282	17.94	17.94	0	ANNUAL	DSTPH8	5
Phase6	591315	4141465	0.000326	14.86	14.86	0	ANNUAL	DSTPH8	5
Phase6	591415	4141465	0.000319	8.61	12.33	0	ANNUAL	DSTPH8	5
path	591515	4141465	0.000249	2.71	6.78	0	ANNUAL	DSTPH8	5
offsite	591615	4141465	0.000175	4.47	6.75	0	ANNUAL	DSTPH8	5
offsite	591715	4141465	0.000124	1.24	1.24	0	ANNUAL	DSTPH8	5
offsite	591815	4141465	9.35E-05	3.88	3.88	0	ANNUAL	DSTPH8	5
offsite	591915	4141465	7.28E-05	4.06	4.06	0	ANNUAL	DSTPH8	5
offsite	592015	4141465	5.84E-05	3.81	3.81	0	ANNUAL	DSTPH8	5
offsite	592115	4141465	4.79E-05	3.74	3.74	0	ANNUAL	DSTPH8	5
offsite	592215	4141465	3.99E-05	3.74	3.74	0	ANNUAL	DSTPH8	5
offsite	592315	4141465	3.37E-05	3.87	3.87	0	ANNUAL	DSTPH8	5
offsite	592415	4141465	2.87E-05	3.33	3.33	0	ANNUAL	DSTPH8	5
offsite	590815	4141565	0	0	0	0	ANNUAL	DSTPH8	5
offsite	590915	4141565	0	0	0	0	ANNUAL	DSTPH8	5
Phase6	591015	4141565	0.000153	3.66	21.32	0	ANNUAL	DSTPH8	5
Phase6	591115	4141565	0.000184	11.04	21.32	0	ANNUAL	DSTPH8	5
Phase6	591215	4141565	0.000207	14.66	14.66	0	ANNUAL	DSTPH8	5
Phase6	591315	4141565	0.000212	11	11	0	ANNUAL	DSTPH8	5
path	591415	4141565	0.000188	3.69	13.72	0	ANNUAL	DSTPH8	5
path	591515	4141565	0.00015	3.27	3.27	0	ANNUAL	DSTPH8	5
offsite	591615	4141565	0.000113	1.05	1.05	0	ANNUAL	DSTPH8	5
offsite	591715	4141565	8.74E-05	1.29	1.29	0	ANNUAL	DSTPH8	5
offsite	591815	4141565	6.93E-05	1.69	1.69	0	ANNUAL	DSTPH8	5
offsite	591915	4141565	5.64E-05	1.56	1.56	0	ANNUAL	DSTPH8	5
offsite	592015	4141565	4.7E-05	1.62	1.62	0	ANNUAL	DSTPH8	5
offsite	592115	4141565	3.98E-05	1.94	1.94	0	ANNUAL	DSTPH8	5
offsite	592215	4141565	3.41E-05	1.85	1.85	0	ANNUAL	DSTPH8	5
offsite	592315	4141565	2.96E-05	3.8	3.8	0	ANNUAL	DSTPH8	5
offsite	590915	4141665	0	0	0	0	ANNUAL	DSTPH8	5
Phase6	591015	4141665	0.000131	2.12	21.32	0	ANNUAL	DSTPH8	5
Phase6	591115	4141665	0.000144	0.39	21.32	0	ANNUAL	DSTPH8	5
Phase6	591215	4141665	0.00015	3.15	15.85	0	ANNUAL	DSTPH8	5
Phase6	591315	4141665	0.000143	2.92	13.27	0	ANNUAL	DSTPH8	5
path	591415	4141665	0.000125	2.71	2.71	0	ANNUAL	DSTPH8	5
offsite	591515	4141665	0.000101	1.78	1.78	0	ANNUAL	DSTPH8	5
offsite	591615	4141665	8.1E-05	0.62	0.62	0	ANNUAL	DSTPH8	5
offsite	591715	4141665	6.58E-05	1.25	1.25	0	ANNUAL	DSTPH8	5
offsite	591815	4141665	5.41E-05	1.5	1.5	0	ANNUAL	DSTPH8	5
offsite	591915	4141665	4.52E-05	1.62	1.62	0	ANNUAL	DSTPH8	5
offsite	592015	4141665	3.86E-05	1.93	1.93	0	ANNUAL	DSTPH8	5
offsite	592115	4141665	3.34E-05	2	2	0	ANNUAL	DSTPH8	5
offsite	592215	4141665	2.93E-05	2.16	2.16	0	ANNUAL	DSTPH8	5
Phase6	591115	4141765	0.000112	1.95	8.24	0	ANNUAL	DSTPH8	5
Phase6	591215	4141765	0.000111	0.34	8.43	0	ANNUAL	DSTPH8	5
path	591315	4141765	0.000103	3.28	3.28	0	ANNUAL	DSTPH8	5
offsite	591415	4141765	8.93E-05	4.06	5.57	0	ANNUAL	DSTPH8	5
offsite	591515	4141765	7.41E-05	1.23	1.23	0	ANNUAL	DSTPH8	5
offsite	591615	4141765	6.16E-05	1.3	1.3	0	ANNUAL	DSTPH8	5
offsite	591715	4141765	5.18E-05	1.98	1.98	0	ANNUAL	DSTPH8	5
offsite	591815	4141765	4.37E-05	1.51	1.51	0	ANNUAL	DSTPH8	5
offsite	591915	4141765	3.73E-05	2.27	2.27	0	ANNUAL	DSTPH8	5
offsite	592015	4141765	3.23E-05	2.45	2.45	0	ANNUAL	DSTPH8	5
offsite	592115	4141765	2.84E-05	2.58	10.47	0	ANNUAL	DSTPH8	5
offsite	590915	4141965	7.15E-05	4.52	4.52	0	ANNUAL	DSTPH8	5
path	591215	4141965	6.69E-05	2.45	4.88	0	ANNUAL	DSTPH8	5
path	591315	4141965	6.04E-05	3.7	5.96	0	ANNUAL	DSTPH8	5
offsite	590815	4142065	5.96E-05	4.38	4.38	0	ANNUAL	DSTPH8	5
offsite	590915	4142065	6.06E-05	4.35	4.35	0	ANNUAL	DSTPH8	5
offsite	591015	4142065	6.02E-05	4.45	4.45	0	ANNUAL	DSTPH8	5
path	591115	4142065	5.79E-05	2.76	6.01	0	ANNUAL	DSTPH8	5
path	591215	4142065	5.39E-05	2.77	2.77	0	ANNUAL	DSTPH8	5
offsite	590715	4142165	5.08E-05	4.93	4.93	0	ANNUAL	DSTPH8	5
offsite	590815	4142165	5.16E-05	4.16	4.16	0	ANNUAL	DSTPH8	5
path	590915	4142165	5.17E-05	5.08	5.08	0	ANNUAL	DSTPH8	5
path	591015	4142165	5.04E-05	2.86	6.59	0	ANNUAL	DSTPH8	5
path	591115	4142165	4.8E-05	2.73	2.73	0	ANNUAL	DSTPH8	5
path	590415	4142265	4.12E-05	2.14	2.14	0	ANNUAL	DSTPH8	5
path	590515	4142265	4.28E-05	1.96	1.96	0	ANNUAL	DSTPH8	5
path	590615	4142265	4.4E-05	2.25	2.25	0	ANNUAL	DSTPH8	5
path	590715	4142265	4.48E-05	2.09	2.09	0	ANNUAL	DSTPH8	5
path	590815	4142265	4.49E-05	2.31	2.31	0	ANNUAL	DSTPH8	5
path	590915	4142265	4.44E-05	3.69	3.69	0	ANNUAL	DSTPH8	5
path	591015	4142265	4.3E-05	5.09	6.6	0	ANNUAL	DSTPH8	5
school	591515	4142365	2.36E-05	2.1	2.1	0	ANNUAL	DSTPH8	5
park	591215	4142465	2.77E-05	2.46	2.46	0	ANNUAL	DSTPH8	5
park	591315	4142465	2.52E-05	1.22	1.22	0	ANNUAL	DSTPH8	5
school	591415	4142465	2.29E-05	2	2	0	ANNUAL	DSTPH8	5
path	590415	4142565	3.2E-05	3.55	3.55	0	ANNUAL	DSTPH8	5
offsite	590915	4142565	2.98E-05	1.2	1.2	0	ANNUAL	DSTPH8	5
offsite	591015	4142565	2.83E-05	3.17	3.17	0	ANNUAL	DSTPH8	5
offsite	591115	4142565	2.65E-05	3.4	3.4	0	ANNUAL	DSTPH8	5
park	591215	4142565	2.44E-05	0.83	0.83	0	ANNUAL	DSTPH8	5
park	591315	4142565	2.23E-05	1.13	1.13	0	ANNUAL	DSTPH8	5
school	591415	4142565	2.04E-05	1.51	1.51	0	ANNUAL	DSTPH8	5
path	590315	4142665	2.92E-05	2.69	5.28	0	ANNUAL	DSTPH8	5
offsite	590515	4142665	2.93E-05	0.8	0.8	0	ANNUAL	DSTPH8	5
offsite	590615	4142665	2.91E-05	0.53	0.53	0	ANNUAL	DSTPH8	5
offsite	590715	4142665	2.86E-05	1.02	1.02	0	ANNUAL	DSTPH8	5
offsite	590815	4142665	2.78E-05	1.74	1.74	0	ANNUAL	DSTPH8	5
offsite	590915	4142665	2.67E-05	2.63	2.63	0	ANNUAL	DSTPH8	5
offsite	591015	4142665	2.52E-05	2.02	2.02	0	ANNUAL	DSTPH8	5
park	591215	4142665	2.17E-05	0.97	0.97	0	ANNUAL	DSTPH8	5
path	590315	4142765	2.71E-05	3.77	5.39	0	ANNUAL	DSTPH8	5
offsite	590515	4142765	2.69E-05	0.81	0.81	0	ANNUAL	DSTPH8	5
offsite	590615	4142765	2.66E-05	0.85	0.85	0	ANNUAL	DSTPH8	5
offsite	590715	4142765	2.6E-05	1.31	1.31	0	ANNUAL	DSTPH8	5
offsite	590815	4142765	2.51E-05	1.05	1.05	0	ANNUAL	DSTPH8	5
offsite	590915	4142765	2.39E-05	1.13	1.13	0	ANNUAL	DSTPH8	5
offsite	591015	4142765	2.26E-05	0.77	0.77	0	ANNUAL	DSTPH8	5
offsite	591115	4142765	2.11E-05	1.21	1.21	0	ANNUAL	DSTPH8	5
220 (park)	591239.5	4140295	9.95E-06	4.74	4.74	0	ANNUAL	DSTPH8	5
1219 (park	591338.7	4140348	1.27E-05	4.14	12.49	0	ANNUAL	DSTPH8	5

Construction HRA

Risk Calculations - DPM - Unmitigated

				Phase -->			1			2			3			4		
No.	X	Y	ELEV	HILL	Group	Grou eptor ty	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI
1	589515	4139264.85	5.92	5.92	offsite		0.000176	4.68E-08	3.51767E-05	0.000406	1.49E-07	8.129E-05	9.25435E-05	6.04E-09	1.85087E-05	0.000175	9.78E-09	3.50325E-05
2	589615	4139264.85	5.62	5.62	offsite		0.000186	4.94E-08	3.71123E-05	0.000427	1.56E-07	8.546E-05	9.65142E-05	6.30E-09	1.93028E-05	0.000184	1.03E-08	3.68131E-05
3	591315	4139264.85	6.86	8.3	offsite		0.000472	1.26E-07	9.44759E-05	0.000926	3.39E-07	0.0001851	0.000168398	1.10E-08	3.36795E-05	0.000343	1.91E-08	6.85112E-05
4	591415	4139264.85	5.43	5.43	offsite		0.000497	1.32E-07	9.93653E-05	0.000963	3.52E-07	0.0001926	0.000172969	1.13E-08	3.45939E-05	0.000357	1.99E-08	7.13292E-05
5	591515	4139264.85	6.27	6.27	offsite		0.000518	1.38E-07	0.00010365	0.001002	3.67E-07	0.0002005	0.000178253	1.16E-08	3.56506E-05	0.00037	2.07E-08	7.40025E-05
6	591615	4139264.85	5.97	5.97	offsite		0.000545	1.45E-07	0.000109088	0.001044	3.82E-07	0.0002088	0.000183948	1.20E-08	3.67896E-05	0.000382	2.13E-08	7.64055E-05
7	591715	4139264.85	5.85	5.85	offsite		0.000573	1.53E-07	0.00011466	0.001085	3.97E-07	0.0002169	0.000190054	1.24E-08	3.80109E-05	0.000392	2.19E-08	7.83116E-05
8	591815	4139264.85	5.59	5.59	offsite		0.0006	1.60E-07	0.00012007	0.001122	4.11E-07	0.0002244	0.000196271	1.28E-08	3.92543E-05	0.000398	2.22E-08	7.95855E-05
9	591915	4139264.85	5.85	5.85	offsite		0.000623	1.66E-07	0.000124545	0.001154	4.22E-07	0.0002308	0.000202346	1.32E-08	4.04692E-05	0.000401	2.24E-08	8.01597E-05
10	592015	4139264.85	5.87	5.87	offsite		0.00064	1.70E-07	0.000127991	0.001177	4.31E-07	0.0002354	0.000207835	1.36E-08	4.15671E-05	0.0004	2.23E-08	8.00005E-05
11	592115	4139264.85	6.12	6.12	offsite		0.00065	1.73E-07	0.000129938	0.001191	4.36E-07	0.0002381	0.000212439	1.39E-08	4.24877E-05	0.000396	2.21E-08	7.91657E-05
12	592215	4139264.85	6.36	6.36	offsite		0.000652	1.74E-07	0.000130313	0.001193	4.37E-07	0.0002387	0.000215856	1.41E-08	4.31711E-05	0.000389	2.17E-08	7.77084E-05
13	592315	4139264.85	5.73	5.73	offsite		0.000645	1.72E-07	0.000129082	0.001185	4.34E-07	0.0002371	0.000217833	1.42E-08	4.35666E-05	0.000379	2.11E-08	7.5701E-05
14	592415	4139264.85	5.49	5.49	offsite		0.000632	1.68E-07	0.000126346	0.001167	4.27E-07	0.0002334	0.000218371	1.43E-08	4.36742E-05	0.000366	2.05E-08	7.32835E-05
15	592515	4139264.85	6.15	6.15	offsite		0.000612	1.63E-07	0.000122481	0.00114	4.17E-07	0.000228	0.000217548	1.42E-08	4.35097E-05	0.000353	1.97E-08	7.05765E-05
16	592615	4139264.85	6.32	6.32	offsite		0.000588	1.57E-07	0.000117614	0.001106	4.05E-07	0.0002212	0.000215302	1.41E-08	4.30604E-05	0.000338	1.89E-08	6.76281E-05
17	592715	4139264.85	5.4	5.4	offsite		0.000559	1.49E-07	0.000111891	0.001065	3.90E-07	0.000213	0.000211695	1.38E-08	4.2339E-05	0.000323	1.80E-08	6.45013E-05
18	592815	4139264.85	5.06	5.06	offsite		0.000529	1.41E-07	0.000105832	0.00102	3.73E-07	0.000204	0.000207028	1.35E-08	4.14057E-05	0.000307	1.71E-08	6.13261E-05
19	589515	4139364.85	5.9	5.9	offsite		0.000183	4.87E-08	3.66089E-05	0.000425	1.56E-07	8.503E-05	9.68147E-05	6.32E-09	1.93629E-05	0.000186	1.04E-08	3.7146E-05
20	589615	4139364.85	5.06	5.06	offsite		0.000194	5.17E-08	3.88242E-05	0.000449	1.64E-07	8.972E-05	0.000101228	6.61E-09	2.02457E-05	0.000196	1.09E-08	3.92161E-05
21	591315	4139364.85	3.3	8.4	offsite		0.000567	1.51E-07	0.000113457	0.001078	3.95E-07	0.0002157	0.000188093	1.23E-08	3.76185E-05	0.000398	2.22E-08	7.96482E-05
22	591415	4139364.85	5.1	5.1	offsite		0.000595	1.58E-07	0.000119035	0.001128	4.13E-07	0.0002256	0.000194373	1.27E-08	3.88746E-05	0.000415	2.32E-08	8.30357E-05
23	591515	4139364.85	6.23	6.23	offsite		0.000625	1.66E-07	0.000124925	0.001179	4.31E-07	0.0002358	0.000201207	1.31E-08	4.02414E-05	0.00043	2.40E-08	8.60901E-05
24	591615	4139364.85	6.02	6.02	offsite		0.000661	1.76E-07	0.000132243	0.001231	4.50E-07	0.0002462	0.0002085	1.36E-08	4.16999E-05	0.000443	2.47E-08	8.85511E-05
25	591715	4139364.85	5.84	5.84	offsite		0.000697	1.86E-07	0.000139375	0.001279	4.68E-07	0.0002558	0.000216061	1.41E-08	4.32123E-05	0.000451	2.52E-08	9.01773E-05
26	591815	4139364.85	5.32	5.32	offsite		0.000729	1.94E-07	0.000145742	0.001319	4.83E-07	0.0002638	0.000223417	1.46E-08	4.46835E-05	0.000454	2.54E-08	9.0848E-05
27	591915	4139364.85	5.31	5.31	offsite		0.000751	2.00E-07	0.000150245	0.001348	4.93E-07	0.0002697	0.000230188	1.50E-08	4.60376E-05	0.000453	2.53E-08	9.05633E-05
28	592015	4139364.85	5.58	5.58	offsite		0.000763	2.03E-07	0.000152667	0.001364	4.99E-07	0.0002729	0.000235883	1.54E-08	4.71766E-05	0.000447	2.50E-08	8.93907E-05
29	592115	4139364.85	5.75	5.75	offsite		0.000765	2.04E-07	0.000152914	0.001366	5.00E-07	0.0002733	0.000240091	1.57E-08	4.80182E-05	0.000437	2.44E-08	8.7422E-05
30	592215	4139364.85	6.14	6.14	offsite		0.000755	2.01E-07	0.000151006	0.001354	4.96E-07	0.0002709	0.000242575	1.58E-08	4.85149E-05	0.000424	2.37E-08	8.48114E-05
31	592315	4139364.85	5.39	5.39	offsite		0.000735	1.96E-07	0.000146989	0.001329	4.86E-07	0.0002657	0.000243081	1.59E-08	4.86162E-05	0.000408	2.28E-08	8.16411E-05
32	592415	4139364.85	5.53	5.53	offsite		0.000707	1.88E-07	0.000141484	0.001292	4.73E-07	0.0002584	0.000241831	1.58E-08	4.83662E-05	0.000391	2.18E-08	7.81475E-05
33	592515	4139364.85	5.1	5.1	offsite		0.000673	1.79E-07	0.000134671	0.001246	4.56E-07	0.0002492	0.000238762	1.56E-08	4.77524E-05	0.000372	2.08E-08	7.43934E-05
34	592615	4139364.85	4.31	4.31	offsite		0.000635	1.69E-07	0.000127051	0.001193	4.36E-07	0.0002385	0.000234095	1.53E-08	4.68191E-05	0.000353	1.97E-08	7.05041E-05
35	592715	4139364.85	4.33	4.33	offsite		0.000596	1.59E-07	0.000119169	0.001135	4.15E-07	0.000227	0.000228195	1.49E-08	4.5639E-05	0.000333	1.86E-08	6.66293E-05
36	592815	4139364.85	5.39	5.39	offsite		0.000557	1.48E-07	0.00011132	0.001076	3.94E-07	0.0002151	0.000221345	1.44E-08	4.4269E-05	0.000314	1.75E-08	6.28365E-05
37	589515	4139464.85	5.24	5.24	offsite		0.000191	5.08E-08	3.81305E-05	0.000445	1.63E-07	8.895E-05	0.000101323	6.61E-09	2.02647E-05	0.000197	1.10E-08	3.94622E-05
38	589615	4139464.85	4.7	4.7	offsite		0.000203	5.40E-08	4.05584E-05	0.000471	1.72E-07	9.427E-05	0.000106354	6.94E-09	2.12708E-05	0.000209	1.17E-08	4.18942E-05
39	591315	4139464.85	6.05	6.05	offsite		0.000684	1.82E-07	0.000136841	0.001283	4.69E-07	0.0002565	0.00021372	1.40E-08	4.2744E-05	0.000471	2.63E-08	9.41534E-05
40	591415	4139464.85	4.97	4.97	offsite		0.000733	1.95E-07	0.000146519	0.00135	4.94E-07	0.00027	0.000221598	1.45E-08	4.43196E-05	0.000491	2.74E-08	9.81778E-05
41	591515	4139464.85	4.87	4.87	offsite		0.00078	2.08E-07	0.000156052	0.001417	5.18E-07	0.0002833	0.000230394	1.50E-08	4.60788E-05	0.000507	2.83E-08	0.000101387
42	591615	4139464.85	4.96	4.96	offsite		0.000827	2.20E-07	0.000165394	0.001479	5.41E-07	0.0002957	0.000239664	1.56E-08	4.79328E-05	0.000517	2.89E-08	0.000103491
43	591715	4139464.85	5.96	5.96	offsite		0.000865	2.30E-07	0.00017307	0.00153	5.60E-07	0.000306	0.00024895	1.63E-08	4.979E-05	0.000522	2.91E-08	0.00010434
44	591815	4139464.85	6.16	6.16	offsite		0.000896	2.39E-07	0.000179268	0.001567	5.74E-07	0.0003135	0.000257445	1.68E-08	5.1489E-05	0.000519	2.90E-08	0.000103872
45	591915	4139464.85	5.77	5.77	offsite		0.000914	2.43E-07	0.000182742	0.001587	5.81E-07	0.0003174	0.000264532	1.73E-08	5.29064E-05	0.000511	2.85E-08	0.000102168
46	592015	4139464.85	5.71	5.71	offsite		0.000914	2.43E-07	0.00018282	0.001587	5.81E-07	0.0003174	0.000269752	1.76E-08	5.39505E-05	0.000497	2.78E-08	9.94421E-05
47	592115	4139464.85	5.19	5.19	offsite		0.000898	2.39E-07	0.000179654	0.001568	5.74E-07	0.0003136	0.000272663	1.78E-08	5.45326E-05	0.000479	2.68E-08	9.58664E-05
48	592215	4139464.85	6.14	6.14	offsite		0.00087	2.32E-07	0.000174082	0.001533	5.61E-07	0.0003065	0.000273296	1.78E-08	5.46592E-05	0.000459	2.56E-08	9.17745E-05
49	592315	4139464.85	5.42	5.42	offsite		0.00083	2.21E-07	0.000165943	0.001481	5.42E-07	0.0002963	0.000271382	1.77E-08	5.42764E-05	0.000436	2.43E-08	8.71855E-05
50	592415	4139464.85	5.21	5.21	offsite		0.000782	2.08E-07	0.000156488	0.001419	5.19E-07	0.0002839	0.000267285	1.74E-08	5.34569E-05	0.000412	2.30E-08	8.24035E-05
51	592515	4139464.85	5.84	5.84	offsite		0.000732	1.95E-07	0.000146469	0.00135	4.94E-07	0.00027	0.000261337	1.71E-08	5.22673E-05	0.000388	2.17E-08	7.75878E-05
52	592615	4139464.85	5.69	5.69	offsite		0.000679	1.81E-07	0.00013584	0.001275	4.66E-07	0.000255	0.00025368	1.66E-08	5.0736E-05	0.000364	2.03E-08	7.27768E-05
53	592715	4139464.85	4.29	4.29	offsite		0.000625	1.66E-07	0.000125043	0.001197	4.38E-07	0.0002394	0.0002446	1.60E-08	4.89199E-05	0.00034	1.90E-08	6.80479E-05
54	592815	4139464.85	4.91	4.91	offsite		0.000575	1.53E-07	0.000115024	0.00112	4.10E-07	0.0002241	0.000234823	1.53E-08	4.69646E-05	0.000318	1.78E-08	6.35941E-05
55	589515	4139564.85	5.51	5.51	offsite		0.000198	5.27E-08	3.9557E-05	0.000465	1.70E-07	9.309E-05	0.000106275	6.94E-09	2.12549E-05	0.00021	1.17E-08	4.20293E-05
56	589615	4139564.85	4.84	4.84	offsite		0.000211	5.63E-08	4.22702E-05	0.000496	1.81E-07	9.912E-05	0.000111954	7.31E-09	2.23908E-05	0.000224	1.25E-08	4.48956E-05
57	591315	4139564.85	5.22	5.22	offsite		0.000866	2.31E-07	0.000173226	0.001567	5.74E-07	0.0003135	0.000246324	1.61E-08	4.92648E-05	0.000567	3.17E-08	0.000113498
58	591415	4139564.85	4.82	4.82	offsite		0.000933	2.49E-07	0.000186647	0.001656	6.06E-07	0.0003312	0.000256986	1.68E-08	5.13972E-05	0.000589	3.29E-08	0.000117822
59	591515	4139564.85	4.93	4.93	offsite		0.000999	2.66E-07	0.00019971	0.001739	6.36E-07	0.0003477	0.000268471	1.75E-08	5.36942E-05	0.000603	3.37E-08	0.000120616
60	591615	4139564.85	5.43	5.43	offsite		0.001055	2.81E-07	0.000211016	0.001807	6.61E-07	0.0003614	0.000280082	1.83E-08	5.60165E-05	0.000608	3.40E-08	0.000121639
61	591715	4139564.85	4.86	4.86	offsite		0.0011	2.93E-07	0.000219927	0.001855	6.79E-07	0.0003711	0.000290808	1.90E-08	5.81616E-05	0.000604	3.37E-08	0.000120785
62	591815	4139564.85	5.34	5.34	offsite		0.00112	2.98E-07	0.00022405	0.001879	6.87E-07	0.0003758	0.000299936	1.96E-08	5.99872E-05	0.000592	3.30E-08	0.000118343
63	591915	4139564.85	5.62	5.62	offsite		0.001118	2.98E-07	0.000223608	0.001875	6.86E-07	0.0003751	0.000306564	2.00E-08	6.13128E-05	0.000573	3.20E-08	0.000114526
64	592015	4139564.85	5.38	5.38	offsite		0.001093	2.91E-07	0.000218551	0.001846	6.75E-07	0.0003692	0.000310171	2.02E-08	6.20342E-05	0.000548	3.06E-08	0.000109643
65	592115	4139564.85	4.71	4.71	offsite		0.001047	2.79E-07	0.00020941	0.001793	6.56E-07	0.0003586	0.000310519	2.03E-08	6.21038E-05	0.00052	2.90E-08	0.000104017

Risk Calculations - DPM - Unmitigated

	5			6			7			8			SUM OF RISK	
No.	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	Res Risk	HI
1	8.85799E-05	3.45E-09	1.7716E-05	0.000108	4.56E-09	2.1673E-05	7E-05	3.49E-09	1.42474E-05	4.45E-05	2.12E-09	8.89784E-06	2.25E-07	2.33E-04
2	9.17132E-05	3.57E-09	1.83426E-05	0.000112	4.70E-09	2.2363E-05	7E-05	3.61E-09	1.47513E-05	4.59E-05	2.19E-09	9.18405E-06	2.36E-07	2.43E-04
3	0.000137702	5.36E-09	2.75405E-05	0.000159	6.69E-09	3.18274E-05	0.0001	6.13E-09	2.50521E-05	7.71E-05	3.67E-09	1.54176E-05	5.17E-07	4.82E-04
4	0.000140521	5.47E-09	2.81042E-05	0.000163	6.88E-09	3.26965E-05	0.0001	6.24E-09	2.55017E-05	7.85E-05	3.74E-09	1.5708E-05	5.38E-07	5.00E-04
5	0.000143687	5.60E-09	2.87375E-05	0.000165	6.93E-09	3.29282E-05	0.0001	6.36E-09	2.59995E-05	8.01E-05	3.82E-09	1.60174E-05	5.60E-07	5.17E-04
6	0.000147169	5.73E-09	2.94338E-05	0.000167	7.05E-09	3.3497E-05	0.0001	6.48E-09	2.64913E-05	8.15E-05	3.88E-09	1.62973E-05	5.84E-07	5.37E-04
7	0.000150982	5.88E-09	3.01964E-05	0.00017	7.15E-09	3.39921E-05	0.0001	6.61E-09	2.70193E-05	8.29E-05	3.95E-09	1.65793E-05	6.07E-07	5.56E-04
8	0.000155027	6.04E-09	3.10054E-05	0.000173	7.27E-09	3.45609E-05	0.0001	6.75E-09	2.75956E-05	8.43E-05	4.02E-09	1.68613E-05	6.30E-07	5.73E-04
9	0.000159172	6.20E-09	3.18344E-05	0.000175	7.37E-09	3.50402E-05	0.0001	6.91E-09	2.82504E-05	8.58E-05	4.09E-09	1.71643E-05	6.48E-07	5.88E-04
10	0.000163217	6.36E-09	3.26434E-05	0.000178	7.50E-09	3.56354E-05	0.0001	7.09E-09	2.89775E-05	8.74E-05	4.16E-09	1.74842E-05	6.62E-07	6.00E-04
11	0.00016698	6.50E-09	3.33961E-05	0.000181	7.62E-09	3.62252E-05	0.0001	7.29E-09	2.97922E-05	8.92E-05	4.25E-09	1.78378E-05	6.70E-07	6.07E-04
12	0.000170263	6.63E-09	3.40526E-05	0.000185	7.76E-09	3.69047E-05	0.0002	7.50E-09	3.06702E-05	9.12E-05	4.34E-09	1.82313E-05	6.72E-07	6.10E-04
13	0.000172866	6.73E-09	3.45732E-05	0.000189	7.95E-09	3.7779E-05	0.0002	7.72E-09	3.15633E-05	9.33E-05	4.44E-09	1.86606E-05	6.68E-07	6.08E-04
14	0.000174739	6.81E-09	3.49478E-05	0.000193	8.12E-09	3.86164E-05	0.0002	7.94E-09	3.24534E-05	9.57E-05	4.56E-09	1.91383E-05	6.57E-07	6.02E-04
15	0.000175833	6.85E-09	3.51667E-05	0.000197	8.27E-09	3.93327E-05	0.0002	8.15E-09	3.33012E-05	9.83E-05	4.68E-09	1.96645E-05	6.42E-07	5.92E-04
16	0.000176066	6.86E-09	3.52131E-05	0.000201	8.44E-09	4.01227E-05	0.0002	8.33E-09	3.40314E-05	0.000101	4.81E-09	2.02011E-05	6.23E-07	5.79E-04
17	0.000175369	6.83E-09	3.50738E-05	0.000205	8.62E-09	4.0997E-05	0.0002	8.46E-09	3.45926E-05	0.000104	4.93E-09	2.07167E-05	5.99E-07	5.63E-04
18	0.00017391	6.77E-09	3.47821E-05	0.000209	8.81E-09	4.18713E-05	0.0002	8.56E-09	3.49848E-05	0.000106	5.05E-09	2.12092E-05	5.74E-07	5.45E-04
19	9.25919E-05	3.61E-09	1.85184E-05	0.000112	4.71E-09	2.24156E-05	7E-05	3.61E-09	1.47482E-05	4.59E-05	2.18E-09	9.17142E-06	2.35E-07	2.43E-04
20	9.609E-05	3.74E-09	1.9218E-05	0.000118	4.95E-09	2.35217E-05	8E-05	3.74E-09	1.52913E-05	4.74E-05	2.26E-09	9.47237E-06	2.48E-07	2.56E-04
21	0.000150203	5.85E-09	3.00406E-05	0.000173	7.29E-09	3.46715E-05	0.0001	6.65E-09	2.72004E-05	8.28E-05	3.94E-09	1.65603E-05	6.04E-07	5.55E-04
22	0.000153933	6.00E-09	3.07866E-05	0.000176	7.40E-09	3.51982E-05	0.0001	6.81E-09	2.78189E-05	8.48E-05	4.04E-09	1.69539E-05	6.31E-07	5.77E-04
23	0.000157912	6.15E-09	3.15824E-05	0.000176	7.40E-09	3.51824E-05	0.0001	6.95E-09	2.84193E-05	8.66E-05	4.12E-09	1.7318E-05	6.60E-07	6.00E-04
24	0.000162272	6.32E-09	3.24544E-05	0.000179	7.53E-09	3.57881E-05	0.0001	7.10E-09	2.90198E-05	8.83E-05	4.20E-09	1.76505E-05	6.90E-07	6.24E-04
25	0.000166964	6.50E-09	3.33928E-05	0.000182	7.66E-09	3.63991E-05	0.0001	7.26E-09	2.96745E-05	8.99E-05	4.28E-09	1.79809E-05	7.18E-07	6.46E-04
26	0.000171821	6.69E-09	3.43643E-05	0.000186	7.81E-09	3.71101E-05	0.0002	7.44E-09	3.03986E-05	9.16E-05	4.36E-09	1.83155E-05	7.43E-07	6.65E-04
27	0.000176613	6.88E-09	3.53225E-05	0.000189	7.94E-09	3.77632E-05	0.0002	7.64E-09	3.12254E-05	9.34E-05	4.45E-09	1.86775E-05	7.61E-07	6.80E-04
28	0.000181122	7.05E-09	3.62244E-05	0.000192	8.08E-09	3.84321E-05	0.0002	7.87E-09	3.21577E-05	9.54E-05	4.54E-09	1.90773E-05	7.70E-07	6.88E-04
29	0.000185084	7.21E-09	3.70169E-05	0.000196	8.24E-09	3.91852E-05	0.0002	8.12E-09	3.31805E-05	9.76E-05	4.65E-09	1.95172E-05	7.72E-07	6.91E-04
30	0.000188284	7.33E-09	3.76568E-05	0.0002	8.41E-09	3.99647E-05	0.0002	8.38E-09	3.42577E-05	0.0001	4.77E-09	2.00138E-05	7.65E-07	6.87E-04
31	0.000190489	7.42E-09	3.80978E-05	0.000205	8.62E-09	4.0997E-05	0.0002	8.64E-09	3.53167E-05	0.000103	4.90E-09	2.05526E-05	7.50E-07	6.78E-04
32	0.000191749	7.47E-09	3.83498E-05	0.00021	8.82E-09	4.19082E-05	0.0002	8.89E-09	3.63335E-05	0.000106	5.04E-09	2.11503E-05	7.29E-07	6.64E-04
33	0.000191898	7.47E-09	3.83796E-05	0.000215	9.06E-09	4.30511E-05	0.0002	9.10E-09	3.72146E-05	0.000109	5.19E-09	2.17711E-05	7.02E-07	6.46E-04
34	0.000190986	7.44E-09	3.81973E-05	0.00022	9.24E-09	4.39201E-05	0.0002	9.27E-09	3.79055E-05	0.000112	5.33E-09	2.23856E-05	6.72E-07	6.25E-04
35	0.000189179	7.37E-09	3.78358E-05	0.000224	9.40E-09	4.47101E-05	0.0002	9.39E-09	3.83943E-05	0.000115	5.47E-09	2.29833E-05	6.39E-07	6.02E-04
36	0.000186576	7.27E-09	3.73153E-05	0.000226	9.51E-09	4.5221E-05	0.0002	9.46E-09	3.86689E-05	0.000118	5.60E-09	2.35283E-05	6.06E-07	5.78E-04
37	9.69023E-05	3.77E-09	1.93805E-05	0.000118	4.97E-09	2.3627E-05	8E-05	3.73E-09	1.52612E-05	4.72E-05	2.25E-09	9.44711E-06	2.46E-07	2.55E-04
38	0.000100881	3.93E-09	2.01762E-05	0.000122	5.13E-09	2.43749E-05	8E-05	3.88E-09	1.58616E-05	4.89E-05	2.33E-09	9.77962E-06	2.60E-07	2.68E-04
39	0.000165754	6.46E-09	3.31507E-05	0.000183	7.70E-09	3.66045E-05	0.0001	7.32E-09	2.9931E-05	9E-05	4.29E-09	1.80061E-05	7.18E-07	6.48E-04
40	0.000170246	6.63E-09	3.40493E-05	0.000189	7.93E-09	3.77052E-05	0.0002	7.49E-09	3.05978E-05	9.21E-05	4.39E-09	1.84207E-05	7.57E-07	6.80E-04
41	0.00017527	6.83E-09	3.50539E-05	0.000192	8.06E-09	3.83004E-05	0.0002	7.66E-09	3.13038E-05	9.42E-05	4.49E-09	1.88311E-05	7.96E-07	7.10E-04
42	0.000180757	7.04E-09	3.61515E-05	0.000195	8.19E-09	3.89219E-05	0.0002	7.84E-09	3.20581E-05	9.62E-05	4.58E-09	1.9233E-05	8.33E-07	7.39E-04
43	0.000186527	7.26E-09	3.73053E-05	0.000196	8.24E-09	3.91852E-05	0.0002	8.05E-09	3.2915E-05	9.82E-05	4.68E-09	1.96476E-05	8.64E-07	7.62E-04
44	0.000192279	7.49E-09	3.84559E-05	0.000199	8.38E-09	3.98436E-05	0.0002	8.28E-09	3.38624E-05	0.0001	4.78E-09	2.00664E-05	8.87E-07	7.80E-04
45	0.000197701	7.70E-09	3.95401E-05	0.000204	8.57E-09	4.07389E-05	0.0002	8.54E-09	3.49245E-05	0.000103	4.88E-09	2.05063E-05	9.00E-07	7.91E-04
46	0.000202508	7.89E-09	4.05017E-05	0.000208	8.76E-09	4.16237E-05	0.0002	8.84E-09	3.61133E-05	0.000105	5.00E-09	2.10008E-05	9.00E-07	7.93E-04
47	0.000206338	8.04E-09	4.12676E-05	0.000214	9.02E-09	4.28773E-05	0.0002	9.15E-09	3.73805E-05	0.000108	5.13E-09	2.15501E-05	8.89E-07	7.87E-04
48	0.000209157	8.15E-09	4.18313E-05	0.000218	9.16E-09	4.35409E-05	0.0002	9.47E-09	3.86991E-05	0.000111	5.29E-09	2.2192E-05	8.68E-07	7.73E-04
49	0.000210566	8.20E-09	4.21131E-05	0.000224	9.41E-09	4.47259E-05	0.0002	9.77E-09	3.99271E-05	0.000114	5.45E-09	2.28738E-05	8.38E-07	7.53E-04
50	0.000210698	8.21E-09	4.21397E-05	0.00023	9.68E-09	4.60058E-05	0.0002	1.00E-08	4.10223E-05	0.000118	5.62E-09	2.36083E-05	8.02E-07	7.29E-04
51	0.000209637	8.16E-09	4.19275E-05	0.000234	9.84E-09	4.67747E-05	0.0002	1.03E-08	4.19154E-05	0.000122	5.80E-09	2.4368E-05	7.62E-07	7.01E-04
52	0.0002073	8.07E-09	4.14599E-05	0.000239	1.00E-08	4.77385E-05	0.0002	1.04E-08	4.25189E-05	0.000125	5.98E-09	2.50878E-05	7.19E-07	6.71E-04
53	0.000203735	7.93E-09	4.07471E-05	0.000244	1.03E-08	4.87656E-05	0.0002	1.05E-08	4.27844E-05	0.000129	6.12E-09	2.57128E-05	6.74E-07	6.39E-04
54	0.000199441	7.77E-09	3.98883E-05	0.000247	1.04E-08	4.94134E-05	0.0002	1.05E-08	4.27814E-05	0.000131	6.25E-09	2.62537E-05	6.31E-07	6.08E-04
55	0.000101644	3.96E-09	2.03288E-05	0.000121	5.07E-09	2.41273E-05	8E-05	3.87E-09	1.58194E-05	4.87E-05	2.32E-09	9.74806E-06	2.57E-07	2.66E-04
56	0.000106137	4.13E-09	2.12273E-05	0.000126	5.32E-09	2.5286E-05	8E-05	4.03E-09	1.64771E-05	5.05E-05	2.41E-09	1.01058E-05	2.73E-07	2.82E-04
57	0.000184637	7.19E-09	3.69273E-05	0.0002	8.40E-09	3.99278E-05	0.0002	8.11E-09	3.31413E-05	9.82E-05	4.68E-09	1.96497E-05	8.80E-07	7.79E-04
58	0.000190439	7.42E-09	3.80878E-05	0.000203	8.54E-09	4.06125E-05	0.0002	8.31E-09	3.39861E-05	0.000101	4.80E-09	2.01632E-05	9.33E-07	8.20E-04
59	0.000196872	7.67E-09	3.93743E-05	0.000207	8.69E-09	4.13183E-05	0.0002	8.53E-09	3.48702E-05	0.000103	4.92E-09	2.0662E-05	9.83E-07	8.58E-04
60	0.000203719	7.93E-09	4.07437E-05	0.000209	8.78E-09	4.17554E-05	0.0002	8.77E-09	3.58417E-05	0.000106	5.04E-09	2.11545E-05	1.02E-06	8.90E-04
61	0.000210632	8.20E-09	4.21264E-05	0.000214	9.01E-09	4.28562E-05	0.0002	9.03E-09	3.69098E-05	0.000108	5.15E-09	2.16322E-05	1.06E-06	9.13E-04
62	0.000217297	8.46E-09	4.34593E-05	0.000217	9.14E-09	4.34724E-05	0.0002	9.34E-09	3.8162E-05	0.000111	5.28E-09	2.21541E-05	1.07E-06	9.25E-04
63	0.000223199	8.69E-09	4.46397E-05	0.000222	9.34E-09	4.43994E-05	0.0002	9.68E-09	3.9568E-05	0.000114	5.41E-09	2.27223E-05	1.07E-06	9.26E-04
64	0.000227957	8.88E-09	4.55914E-05	0.000228	9.58E-09	4.55265E-05	0.0002	1.01E-08	4.10947E-05	0.000117	5.56E-09	2.33537E-05	1.05E-06	9.15E-04
65	0.000231239	9.01E-09	4.62479E-05	0.000235	9.87E-09	4.69222E-05	0.0002	1.04E-08	4.26697E-05	0.00012	5.73E-09	2.40629E-05	1.02E-06	8.94E-04

Risk Calculations - DPM - Unmitigated

				Phase -->			1			2			3			4		
No.	X	Y	ELEV	HILL	Group	Grou eptor ty	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI
66	592215	4139564.85	5.24	5.24	offsite		0.00099	2.64E-07	0.00019797	0.001722	6.30E-07	0.0003443	0.000307846	2.01E-08	6.15691E-05	0.00049	2.74E-08	9.80572E-05
67	592315	4139564.85	5.06	5.06	offsite		0.000922	2.46E-07	0.000184454	0.001636	5.99E-07	0.0003272	0.000302214	1.97E-08	6.04428E-05	0.000459	2.57E-08	9.18758E-05
68	592415	4139564.85	5.26	5.26	offsite		0.000851	2.27E-07	0.000170295	0.001542	5.64E-07	0.0003084	0.000294178	1.92E-08	5.88355E-05	0.000429	2.39E-08	8.57331E-05
69	592515	4139564.85	5.15	5.15	offsite		0.000779	2.08E-07	0.000155895	0.001443	5.28E-07	0.0002886	0.000284116	1.85E-08	5.68233E-05	0.000399	2.23E-08	7.97351E-05
70	592615	4139564.85	4.95	4.95	offsite		0.00071	1.89E-07	0.000141926	0.001343	4.91E-07	0.0002686	0.000272552	1.78E-08	5.45105E-05	0.00037	2.07E-08	7.39977E-05
71	592715	4139564.85	4.73	4.73	offsite		0.000644	1.71E-07	0.000128769	0.001245	4.55E-07	0.0002489	0.00025996	1.70E-08	5.1992E-05	0.000343	1.91E-08	6.85836E-05
72	592815	4139564.85	4.85	4.85	offsite		0.000583	1.55E-07	0.000116674	0.00115	4.21E-07	0.0002301	0.000246814	1.61E-08	4.93629E-05	0.000318	1.77E-08	6.35458E-05
73	589515	4139664.85	5.19	5.19	offsite		0.000205	5.46E-08	4.10283E-05	0.000487	1.78E-07	9.733E-05	0.000111479	7.28E-09	2.22959E-05	0.000224	1.25E-08	4.48377E-05
74	589615	4139664.85	4.68	4.68	offsite		0.00022	5.86E-08	4.40045E-05	0.000521	1.91E-07	0.0001042	0.000117981	7.70E-09	2.35962E-05	0.000241	1.35E-08	4.82252E-05
75	591215	4139664.85	7.12	7.94	offsite		0.001026	2.73E-07	0.000205203	0.001846	6.75E-07	0.0003691	0.000276476	1.80E-08	5.52951E-05	0.000665	3.72E-08	0.00013308
76	591315	4139664.85	5.29	5.29	offsite		0.001137	3.03E-07	0.000227312	0.001973	7.22E-07	0.0003946	0.000289653	1.89E-08	5.79306E-05	0.000697	3.89E-08	0.000139334
77	591415	4139664.85	4.55	4.55	offsite		0.001238	3.30E-07	0.000247664	0.002087	7.64E-07	0.0004174	0.000303986	1.98E-08	6.07971E-05	0.000716	4.00E-08	0.00014316
78	591515	4139664.85	5.22	5.22	offsite		0.001321	3.52E-07	0.000264183	0.00218	7.98E-07	0.0004361	0.00031884	2.08E-08	6.3768E-05	0.000722	4.03E-08	0.000144425
79	591615	4139664.85	4.77	4.77	offsite		0.001385	3.69E-07	0.000277028	0.002244	8.21E-07	0.0004488	0.000332761	2.17E-08	6.65522E-05	0.000715	3.99E-08	0.000143006
80	591715	4139664.85	4.96	4.96	offsite		0.001413	3.76E-07	0.000282695	0.002272	8.31E-07	0.0004544	0.000344562	2.25E-08	6.89125E-05	0.000697	3.89E-08	0.000139319
81	591815	4139664.85	4.79	4.79	offsite		0.001405	3.74E-07	0.000280989	0.002261	8.27E-07	0.0004522	0.000353057	2.30E-08	7.06115E-05	0.000669	3.74E-08	0.00013377
82	591915	4139664.85	5.16	5.16	offsite		0.001363	3.63E-07	0.000272687	0.002214	8.10E-07	0.0004429	0.000357566	2.33E-08	7.15132E-05	0.000635	3.54E-08	0.000126961
83	592015	4139664.85	4.25	4.25	offsite		0.001291	3.44E-07	0.00025822	0.002135	7.81E-07	0.000427	0.000357598	2.33E-08	7.15195E-05	0.000596	3.33E-08	0.000119241
84	592115	4139664.85	5.05	5.05	offsite		0.001205	3.21E-07	0.000241001	0.002033	7.44E-07	0.0004065	0.000353595	2.31E-08	7.0719E-05	0.000556	3.11E-08	0.000111269
85	592215	4139664.85	5.18	5.18	offsite		0.001107	2.95E-07	0.000221376	0.001913	7.00E-07	0.0003826	0.000345749	2.26E-08	6.91498E-05	0.000516	2.88E-08	0.000103196
86	592315	4139664.85	4.87	4.87	offsite		0.001004	2.67E-07	0.000200862	0.001783	6.52E-07	0.0003566	0.000334707	2.18E-08	6.69414E-05	0.000476	2.66E-08	9.52826E-05
87	592415	4139664.85	5.23	5.23	offsite		0.000906	2.41E-07	0.000181198	0.00165	6.04E-07	0.0003301	0.000321308	2.10E-08	6.42616E-05	0.000439	2.45E-08	8.77694E-05
88	592515	4139664.85	4.54	4.54	offsite		0.000811	2.16E-07	0.000162211	0.001518	5.56E-07	0.0003037	0.000306074	2.00E-08	6.12148E-05	0.000403	2.25E-08	8.06664E-05
89	592615	4139664.85	4.65	4.65	offsite		0.000725	1.93E-07	0.000145082	0.001392	5.09E-07	0.0002784	0.000289859	1.89E-08	5.79718E-05	0.000371	2.07E-08	7.41231E-05
90	592715	4139664.85	5.14	5.14	offsite		0.000649	1.73E-07	0.000129709	0.001273	4.66E-07	0.0002546	0.000273217	1.78E-08	5.46434E-05	0.000341	1.90E-08	6.813E-05
91	592815	4139664.85	4.42	4.42	offsite		0.000579	1.54E-07	0.000115846	0.001162	4.25E-07	0.0002324	0.000256353	1.67E-08	5.12707E-05	0.000313	1.75E-08	6.26338E-05
92	589515	4139764.85	4.88	4.88	offsite		0.000212	5.66E-08	4.24772E-05	0.000508	1.86E-07	0.0001016	0.000117016	7.64E-09	2.34032E-05	0.000239	1.34E-08	4.78874E-05
93	589615	4139764.85	5.59	5.59	offsite		0.000228	6.07E-08	4.55988E-05	0.000547	2.00E-07	0.0001094	0.000124562	8.13E-09	2.49124E-05	0.00026	1.45E-08	5.19166E-05
94	591415	4139764.85	5.12	5.12	offsite		0.001712	4.56E-07	0.00034238	0.002702	9.89E-07	0.0005404	0.000367912	2.40E-08	7.35824E-05	0.000877	4.90E-08	0.000175326
95	591515	4139764.85	5.43	5.43	offsite		0.001807	4.81E-07	0.000361434	0.002788	1.02E-06	0.0005575	0.000386389	2.52E-08	7.72778E-05	0.000865	4.83E-08	0.000173005
96	591615	4139764.85	4.5	4.5	offsite		0.001849	4.92E-07	0.00036982	0.002819	1.03E-06	0.0005638	0.000402018	2.62E-08	8.04037E-05	0.000836	4.67E-08	0.000167191
97	591715	4139764.85	4.68	4.68	offsite		0.001829	4.87E-07	0.00036577	0.002795	1.02E-06	0.0005589	0.000413234	2.70E-08	8.26469E-05	0.000795	4.44E-08	0.000158992
98	591815	4139764.85	4.36	4.36	offsite		0.001754	4.67E-07	0.000350738	0.002718	9.94E-07	0.0005435	0.000418787	2.73E-08	8.37574E-05	0.000746	4.16E-08	0.000149115
99	591915	4139764.85	4.98	4.98	offsite		0.001643	4.37E-07	0.000328529	0.002598	9.51E-07	0.0005196	0.000418407	2.73E-08	8.36815E-05	0.000692	3.87E-08	0.000138475
100	592015	4139764.85	4.84	4.84	offsite		0.001503	4.00E-07	0.000300585	0.002445	8.95E-07	0.000489	0.000412159	2.69E-08	8.24317E-05	0.000638	3.56E-08	0.000127511
101	592115	4139764.85	4.78	4.78	offsite		0.001353	3.60E-07	0.000270667	0.002272	8.31E-07	0.0004544	0.000400879	2.62E-08	8.01759E-05	0.000584	3.26E-08	0.00011677
102	592215	4139764.85	4.52	4.52	offsite		0.001204	3.21E-07	0.000240805	0.00209	7.65E-07	0.000418	0.000385503	2.52E-08	7.71006E-05	0.000533	2.97E-08	0.000106521
103	592315	4139764.85	4.27	4.27	offsite		0.001064	2.83E-07	0.000212705	0.001908	6.98E-07	0.0003816	0.000367168	2.40E-08	7.34337E-05	0.000485	2.71E-08	9.69618E-05
104	592415	4139764.85	4.34	4.34	offsite		0.000936	2.49E-07	0.00018719	0.001732	6.34E-07	0.0003464	0.000346967	2.26E-08	6.93934E-05	0.000441	2.46E-08	8.8194E-05
105	592515	4139764.85	3.7	3.7	offsite		0.000822	2.19E-07	0.000164415	0.001567	5.73E-07	0.0003134	0.000325642	2.13E-08	6.51285E-05	0.000401	2.24E-08	8.02031E-05
106	592615	4139764.85	4.36	4.36	offsite		0.000723	1.92E-07	0.000144567	0.001415	5.18E-07	0.000283	0.000304255	1.99E-08	6.08509E-05	0.000365	2.04E-08	7.30567E-05
107	592715	4139764.85	4.37	4.37	offsite		0.000637	1.70E-07	0.000127348	0.001277	4.67E-07	0.0002554	0.000283088	1.85E-08	5.66176E-05	0.000333	1.86E-08	6.66389E-05
108	592815	4139764.85	4.57	4.57	offsite		0.000563	1.50E-07	0.000112551	0.001153	4.22E-07	0.0002307	0.000262697	1.71E-08	5.25394E-05	0.000305	1.70E-08	6.09208E-05
109	589515	4139864.85	4.37	4.37	offsite		0.00022	5.85E-08	4.39094E-05	0.00053	1.94E-07	0.0001059	0.000122822	8.02E-09	2.45644E-05	0.000256	1.43E-08	5.11735E-05
110	589615	4139864.85	4.93	4.93	offsite		0.000237	6.31E-08	4.7361E-05	0.000573	2.10E-07	0.0001146	0.00013138	8.58E-09	2.6276E-05	0.00028	1.56E-08	5.59506E-05
111	591515	4139864.85	4.77	4.77	offsite		0.00254	6.76E-07	0.000507925	0.003615	1.32E-06	0.000723	0.000477857	3.12E-08	9.55713E-05	0.001027	5.74E-08	0.000205466
112	591615	4139864.85	4.49	4.49	offsite		0.00249	6.63E-07	0.000497951	0.003561	1.30E-06	0.0007123	0.00049298	3.22E-08	9.8596E-05	0.000964	5.38E-08	0.000192819
113	591715	4139864.85	4.75	4.75	offsite		0.002356	6.28E-07	0.0004713	0.003432	1.26E-06	0.0006864	0.000500083	3.26E-08	0.000100017	0.000891	4.98E-08	0.00017827
114	591815	4139864.85	4.46	4.46	offsite		0.002158	5.75E-07	0.000431603	0.003241	1.19E-06	0.0006481	0.000498501	3.25E-08	9.97002E-05	0.000814	4.55E-08	0.000162896
115	591915	4139864.85	4.63	4.63	offsite		0.001931	5.14E-07	0.000386289	0.003008	1.10E-06	0.0006015	0.000488835	3.19E-08	9.77671E-05	0.000739	4.12E-08	0.000147715
116	592015	4139864.85	4.46	4.46	offsite		0.001696	4.52E-07	0.000339158	0.002751	1.01E-06	0.0005503	0.000472241	3.08E-08	9.44482E-05	0.000666	3.72E-08	0.000133225
117	592115	4139864.85	4.47	4.47	offsite		0.001472	3.92E-07	0.000294426	0.00249	9.11E-07	0.0004979	0.000450394	2.94E-08	9.00788E-05	0.000599	3.35E-08	0.000119805
118	592215	4139864.85	4.48	4.48	offsite		0.001269	3.38E-07	0.000253851	0.002235	8.18E-07	0.000447	0.000424957	2.77E-08	8.49913E-05	0.000538	3.00E-08	0.000107611
119	592315	4139864.85	4.36	4.36	offsite		0.001091	2.91E-07	0.00021821	0.001996	7.31E-07	0.0003993	0.000397494	2.59E-08	7.94988E-05	0.000483	2.70E-08	9.66674E-05
120	592415	4139864.85	4.48	4.48	offsite		0.000939	2.50E-07	0.00018771	0.001778	6.51E-07	0.0003556	0.000369288	2.41E-08	7.38576E-05	0.000435	2.43E-08	8.69587E-05
121	592515	4139864.85	4.63	4.63	offsite		0.000809	2.16E-07	0.000161898	0.001582	5.79E-07	0.0003164	0.000341351	2.23E-08	6.82702E-05	0.000392	2.19E-08	7.83984E-05
122	592615	4139864.85	4.54	4.54	offsite		0.000701	1.87E-07	0.000140203	0.001409	5.15E-07	0.0002817	0.000314363	2.05E-08	6.28726E-05	0.000354	1.98E-08	7.0866E-05
123	592715	4139864.85	4.54	4.54	offsite		0.00061	1.63E-07	0.000122089	0.001256	4.60E-07	0.0002513	0.000288815	1.89E-08	5.7763E-05	0.000321	1.79E-08	6.42648E-05
124	592815	4139864.85	4.38	4.38	offsite		0.000535	1.42E-07	0.000106979	0.001124	4.11E-07	0.0002247	0.000264975	1.73E-08	5.2995E-05	0.000292	1.63E-08	5.8484E-05
125	589515	4139964.85	4.37	4.37	offsite		0.000227	6.03E-08	4.53079E-05	0.000551	2.02E-07	0.0001102	0.000128881	8.41E-09	2.57761E-05	0.000273	1.53E-08	5.46622E-05
126	589615	4139964.85	4.9	4.9	offsite		0.000245	6.53E-08	4.90281E-05	0.000599	2.19E-07	0.0001199	0.000138625	9.05E-09	2.77251E-05	0.000302	1.68E-08	6.03176E-05
127	591715	4139964.85	4.36	4.36	offsite		0.002974	7.92E-07	0.00059476	0.004173	1.53E-06	0.0008346	0.00060737	3.96E-08	0.000121474	0.000973	5.44E-08	0.000194686
128	591815	4139964.85	4.84	4.84	offsite		0.002584	6.88E-07	0.000516832	0.003803	1.39E-06	0.0007606	0.000591946	3.86E-08	0.000118389	0.000866	4.84E-08	0.000173189
129	591915	4139964.85	4.6	4.6	offsite		0.002193	5.84E-07	0.000438618	0.00341	1.25E-06	0.000682	0.000566888	3.70E-08	0.000113378	0.000767	4.28E-08	0.000153337
130	592015	4139964.85	4.72	4.72	offsite		0.001843	4.91E-07	0.000368528	0.003022	1.11E-06	0.0006045	0.00053498	3.49E-08	0.000106996	0.000678	3.78E-08	0.000135551

Risk Calculations - DPM - Unmitigated

	5			6			7			8			SUM OF RISK	
No.	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	Res Risk	HI
66	0.00023303	9.08E-09	4.6606E-05	0.000241	1.01E-08	4.81388E-05	0.0002	1.08E-08	4.42206E-05	0.000124	5.93E-09	2.48773E-05	9.77E-07	8.66E-04
67	0.00023308	9.08E-09	4.66159E-05	0.000247	1.04E-08	4.93713E-05	0.0002	1.12E-08	4.55934E-05	0.000129	6.13E-09	2.57507E-05	9.26E-07	8.31E-04
68	0.000231571	9.02E-09	4.63142E-05	0.000253	1.06E-08	5.05616E-05	0.0002	1.14E-08	4.67008E-05	0.000133	6.35E-09	2.66577E-05	8.72E-07	7.94E-04
69	0.00022852	8.90E-09	4.57041E-05	0.000258	1.09E-08	5.16834E-05	0.0002	1.16E-08	4.74551E-05	0.000138	6.56E-09	2.75374E-05	8.14E-07	7.53E-04
70	0.000224127	8.73E-09	4.48254E-05	0.000263	1.11E-08	5.2642E-05	0.0002	1.17E-08	4.78081E-05	0.000142	6.75E-09	2.83308E-05	7.57E-07	7.13E-04
71	0.00021859	8.51E-09	4.3718E-05	0.000267	1.12E-08	5.34162E-05	0.0002	1.17E-08	4.77538E-05	0.000145	6.90E-09	2.89874E-05	7.01E-07	6.72E-04
72	0.000212157	8.26E-09	4.24315E-05	0.00027	1.14E-08	5.39639E-05	0.0002	1.16E-08	4.73193E-05	0.000147	7.02E-09	2.94672E-05	6.48E-07	6.33E-04
73	0.000106733	4.16E-09	2.13467E-05	0.000127	5.33E-09	2.53545E-05	8E-05	4.01E-09	1.63926E-05	5.03E-05	2.39E-09	1.00511E-05	2.68E-07	2.79E-04
74	0.000111873	4.36E-09	2.23746E-05	0.000131	5.52E-09	2.62604E-05	9E-05	4.19E-09	1.71198E-05	5.22E-05	2.49E-09	1.04425E-05	2.87E-07	2.96E-04
75	0.000201414	7.84E-09	4.02829E-05	0.000207	8.69E-09	4.13183E-05	0.0002	8.82E-09	3.6059E-05	0.000105	5.00E-09	2.09903E-05	1.03E-06	9.01E-04
76	0.000208278	8.11E-09	4.16556E-05	0.000214	9.02E-09	4.28983E-05	0.0002	9.08E-09	3.7115E-05	0.000108	5.15E-09	2.16364E-05	1.11E-06	9.63E-04
77	0.000215854	8.41E-09	4.31709E-05	0.00022	9.26E-09	4.40202E-05	0.0002	9.34E-09	3.81741E-05	0.000111	5.30E-09	2.22614E-05	1.19E-06	1.02E-03
78	0.000224094	8.73E-09	4.48188E-05	0.000224	9.44E-09	4.48681E-05	0.0002	9.62E-09	3.93206E-05	0.000114	5.45E-09	2.28823E-05	1.24E-06	1.06E-03
79	0.000232532	9.06E-09	4.65065E-05	0.000229	9.63E-09	4.57687E-05	0.0002	9.92E-09	4.05637E-05	0.000117	5.59E-09	2.34694E-05	1.29E-06	1.09E-03
80	0.000240722	9.38E-09	4.81445E-05	0.000234	9.83E-09	4.67536E-05	0.0002	1.03E-08	4.2012E-05	0.00012	5.74E-09	2.40797E-05	1.30E-06	1.11E-03
81	0.000248034	9.66E-09	4.96067E-05	0.000239	1.01E-08	4.78491E-05	0.0002	1.07E-08	4.36654E-05	0.000124	5.89E-09	2.47258E-05	1.30E-06	1.10E-03
82	0.000254002	9.89E-09	5.08004E-05	0.000245	1.03E-08	4.90605E-05	0.0002	1.11E-08	4.5524E-05	0.000127	6.06E-09	2.54603E-05	1.27E-06	1.08E-03
83	0.00025803	1.00E-08	5.16061E-05	0.000252	1.06E-08	5.03878E-05	0.0002	1.16E-08	4.74641E-05	0.000131	6.26E-09	2.62768E-05	1.22E-06	1.05E-03
84	0.000260186	1.01E-08	5.20371E-05	0.000259	1.09E-08	5.17993E-05	0.0002	1.21E-08	4.94163E-05	0.000136	6.49E-09	2.72365E-05	1.16E-06	1.01E-03
85	0.000260136	1.01E-08	5.20272E-05	0.000266	1.12E-08	5.32424E-05	0.0003	1.25E-08	5.11663E-05	0.000141	6.74E-09	2.82824E-05	1.09E-06	9.61E-04
86	0.000257964	1.00E-08	5.15928E-05	0.000273	1.15E-08	5.46697E-05	0.0003	1.29E-08	5.25693E-05	0.000147	7.00E-09	2.93768E-05	1.01E-06	9.08E-04
87	0.000253985	9.89E-09	5.07971E-05	0.00028	1.18E-08	5.59917E-05	0.0003	1.31E-08	5.35318E-05	0.000152	7.26E-09	3.0469E-05	9.33E-07	8.54E-04
88	0.000248216	9.67E-09	4.96432E-05	0.000286	1.20E-08	5.71451E-05	0.0003	1.32E-08	5.39482E-05	0.000157	7.49E-09	3.14539E-05	8.56E-07	8.00E-04
89	0.000241187	9.39E-09	4.82373E-05	0.00029	1.22E-08	5.80721E-05	0.0003	1.32E-08	5.38516E-05	0.000161	7.69E-09	3.22831E-05	7.85E-07	7.48E-04
90	0.000233113	9.08E-09	4.66225E-05	0.000294	1.24E-08	5.87304E-05	0.0003	1.30E-08	5.32512E-05	0.000164	7.83E-09	3.28892E-05	7.18E-07	6.99E-04
91	0.000224094	8.73E-09	4.48188E-05	0.000295	1.24E-08	5.9078E-05	0.0003	1.28E-08	5.2171E-05	0.000166	7.91E-09	3.3209E-05	6.55E-07	6.51E-04
92	0.000112254	4.37E-09	2.24508E-05	0.000131	5.53E-09	2.62973E-05	8E-05	4.16E-09	1.6984E-05	5.18E-05	2.47E-09	1.03647E-05	2.80E-07	2.91E-04
93	0.000118206	4.60E-09	2.36412E-05	0.000135	5.66E-09	2.69293E-05	9E-05	4.36E-09	1.78138E-05	5.4E-05	2.57E-09	1.08066E-05	3.01E-07	3.11E-04
94	0.000248498	9.68E-09	4.96995E-05	0.00024	1.01E-08	4.80651E-05	0.0002	1.06E-08	4.34874E-05	0.000124	5.92E-09	2.48394E-05	1.55E-06	1.30E-03
95	0.000258926	1.01E-08	5.17851E-05	0.000244	1.03E-08	4.87761E-05	0.0002	1.10E-08	4.49809E-05	0.000128	6.10E-09	2.56076E-05	1.61E-06	1.34E-03
96	0.000269155	1.05E-08	5.3831E-05	0.000251	1.06E-08	5.02192E-05	0.0002	1.14E-08	4.66525E-05	0.000132	6.27E-09	2.63378E-05	1.64E-06	1.36E-03
97	0.000278389	1.08E-08	5.56778E-05	0.000257	1.08E-08	5.14622E-05	0.0002	1.19E-08	4.86258E-05	0.000136	6.46E-09	2.71144E-05	1.62E-06	1.35E-03
98	0.000285849	1.11E-08	5.71699E-05	0.000264	1.11E-08	5.28474E-05	0.0003	1.24E-08	5.08676E-05	0.00014	6.66E-09	2.79541E-05	1.57E-06	1.32E-03
99	0.000291072	1.13E-08	5.82144E-05	0.000272	1.14E-08	5.43747E-05	0.0003	1.30E-08	5.33296E-05	0.000145	6.89E-09	2.89306E-05	1.50E-06	1.27E-03
100	0.000293509	1.14E-08	5.87018E-05	0.00028	1.18E-08	5.60233E-05	0.0003	1.36E-08	5.57917E-05	0.00015	7.16E-09	3.00397E-05	1.40E-06	1.20E-03
101	0.000293177	1.14E-08	5.86355E-05	0.000289	1.21E-08	5.7735E-05	0.0003	1.42E-08	5.80516E-05	0.000156	7.45E-09	3.12918E-05	1.30E-06	1.13E-03
102	0.000290127	1.13E-08	5.80254E-05	0.000297	1.25E-08	5.94309E-05	0.0003	1.46E-08	5.9877E-05	0.000163	7.77E-09	3.26366E-05	1.19E-06	1.05E-03
103	0.000284656	1.11E-08	5.69312E-05	0.000305	1.28E-08	6.10267E-05	0.0003	1.49E-08	6.1099E-05	0.00017	8.10E-09	3.39919E-05	1.08E-06	9.78E-04
104	0.000277195	1.08E-08	5.54391E-05	0.000312	1.31E-08	6.24225E-05	0.0003	1.51E-08	6.163E-05	0.000176	8.40E-09	3.52546E-05	9.78E-07	9.06E-04
105	0.000267961	1.04E-08	5.35922E-05	0.000318	1.34E-08	6.3539E-05	0.0003	1.50E-08	6.14188E-05	0.000182	8.65E-09	3.63006E-05	8.83E-07	8.38E-04
106	0.000257682	1.00E-08	5.15365E-05	0.000322	1.35E-08	6.4329E-05	0.0003	1.48E-08	6.0568E-05	0.000185	8.83E-09	3.70708E-05	7.98E-07	7.75E-04
107	0.000246442	9.60E-09	4.92884E-05	0.000324	1.36E-08	6.47451E-05	0.0003	1.45E-08	5.91137E-05	0.000187	8.93E-09	3.74791E-05	7.21E-07	7.17E-04
108	0.000234688	9.14E-09	4.69375E-05	0.000324	1.36E-08	6.4782E-05	0.0003	1.40E-08	5.71856E-05	0.000188	8.94E-09	3.75191E-05	6.52E-07	6.63E-04
109	0.000118206	4.60E-09	2.36412E-05	0.000136	5.74E-09	2.72927E-05	9E-05	4.30E-09	1.75905E-05	5.34E-05	2.54E-09	1.06804E-05	2.92E-07	3.05E-04
110	0.00012502	4.87E-09	2.5004E-05	0.000142	5.97E-09	2.83987E-05	9E-05	4.53E-09	1.85017E-05	5.58E-05	2.66E-09	1.11602E-05	3.15E-07	3.27E-04
111	0.000304152	1.18E-08	6.08305E-05	0.000271	1.14E-08	5.42273E-05	0.0003	1.28E-08	5.2352E-05	0.000145	6.91E-09	2.90021E-05	2.13E-06	1.73E-03
112	0.000316006	1.23E-08	6.32012E-05	0.000278	1.17E-08	5.56493E-05	0.0003	1.34E-08	5.46994E-05	0.00015	7.14E-09	2.99597E-05	2.10E-06	1.71E-03
113	0.000325655	1.27E-08	6.5131E-05	0.000286	1.20E-08	5.72399E-05	0.0003	1.41E-08	5.74602E-05	0.000155	7.38E-09	3.09762E-05	2.01E-06	1.65E-03
114	0.000332154	1.29E-08	6.64307E-05	0.000295	1.24E-08	5.90201E-05	0.0003	1.48E-08	6.05378E-05	0.000161	7.65E-09	3.21042E-05	1.89E-06	1.56E-03
115	0.000335121	1.31E-08	6.70243E-05	0.000305	1.28E-08	6.0953E-05	0.0003	1.56E-08	6.37361E-05	0.000167	7.96E-09	3.34216E-05	1.74E-06	1.46E-03
116	0.000334309	1.30E-08	6.68618E-05	0.000315	1.33E-08	6.29965E-05	0.0003	1.63E-08	6.67141E-05	0.000175	8.32E-09	3.49305E-05	1.58E-06	1.35E-03
117	0.000329982	1.29E-08	6.59964E-05	0.000325	1.37E-08	6.50401E-05	0.0003	1.69E-08	6.9152E-05	0.000183	8.72E-09	3.66015E-05	1.42E-06	1.24E-03
118	0.000322538	1.26E-08	6.45076E-05	0.000335	1.41E-08	6.69783E-05	0.0004	1.73E-08	7.07723E-05	0.000192	9.13E-09	3.83251E-05	1.27E-06	1.13E-03
119	0.000312491	1.22E-08	6.24983E-05	0.000343	1.44E-08	6.86847E-05	0.0004	1.75E-08	7.1421E-05	0.0002	9.52E-09	3.99498E-05	1.13E-06	1.04E-03
120	0.000300488	1.17E-08	6.00977E-05	0.00035	1.47E-08	7.00541E-05	0.0004	1.74E-08	7.108E-05	0.000207	9.84E-09	4.1324E-05	1.00E-06	9.47E-04
121	0.000287076	1.12E-08	5.74153E-05	0.000355	1.49E-08	7.10074E-05	0.0003	1.71E-08	6.98248E-05	0.000212	1.01E-08	4.23089E-05	8.92E-07	8.66E-04
122	0.000272736	1.06E-08	5.45472E-05	0.000357	1.50E-08	7.14919E-05	0.0003	1.66E-08	6.77882E-05	0.000214	1.02E-08	4.28203E-05	7.95E-07	7.92E-04
123	0.000257964	1.00E-08	5.15928E-05	0.000357	1.50E-08	7.14972E-05	0.0003	1.59E-08	6.51481E-05	0.000214	1.02E-08	4.28287E-05	7.10E-07	7.26E-04
124	0.000243093	9.47E-09	4.86186E-05	0.000355	1.49E-08	7.10285E-05	0.0003	1.52E-08	6.20736E-05	0.000212	1.01E-08	4.23531E-05	6.37E-07	6.67E-04
125	0.000124655	4.85E-09	2.4931E-05	0.000142	5.96E-09	2.83461E-05	9E-05	4.46E-09	1.82181E-05	5.5E-05	2.62E-09	1.10044E-05	3.04E-07	3.18E-04
126	0.000132497	5.16E-09	2.64994E-05	0.000148	6.22E-09	2.95732E-05	1E-04	4.70E-09	1.92198E-05	5.76E-05	2.75E-09	1.15264E-05	3.29E-07	3.44E-04
127	0.000384542	1.50E-08	7.69085E-05	0.000322	1.36E-08	6.44713E-05	0.0003	1.70E-08	6.95895E-05	0.00018	8.57E-09	3.59891E-05	2.47E-06	1.99E-03
128	0.00038814	1.51E-08	7.7628E-05	0.000334	1.40E-08	6.67623E-05	0.0004	1.81E-08	7.38106E-05	0.000188	8.95E-09	3.75696E-05	2.22E-06	1.82E-03
129	0.000386532	1.51E-08	7.73064E-05	0.000346	1.46E-08	6.92167E-05	0.0004	1.90E-08	7.78416E-05	0.000197	9.38E-09	3.94005E-05	1.97E-06	1.65E-03
130	0.000380232	1.48E-08	7.60464E-05	0.000359	1.51E-08	7.17079E-05	0.0004	1.99E-08	8.11757E-05	0.000207	9.88E-09	4.14903E-05	1.73E-06	1.49E-03

Risk Calculations - DPM - Unmitigated

				Phase -->			1			2			3			4		
No.	X	Y	ELEV	HILL	Group	Group eptor ty	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI
131	592115	4139964.85	4.36	4.36	offsite		0.001538	4.10E-07	0.000307595	0.002657	9.72E-07	0.0005315	0.000498802	3.26E-08	9.97603E-05	0.000599	3.35E-08	0.000119839
132	592215	4139964.85	4.14	4.14	offsite		0.001285	3.42E-07	0.000256939	0.002326	8.51E-07	0.0004653	0.000460756	3.01E-08	9.21512E-05	0.000531	2.96E-08	0.00010614
133	592315	4139964.85	4.47	4.47	offsite		0.001077	2.87E-07	0.000215485	0.002033	7.44E-07	0.0004067	0.000422694	2.76E-08	8.45389E-05	0.000471	2.63E-08	9.42933E-05
134	592415	4139964.85	4.26	4.26	offsite		0.000908	2.42E-07	0.00018169	0.001778	6.51E-07	0.0003556	0.000385804	2.52E-08	7.71607E-05	0.00042	2.35E-08	8.40538E-05
135	592515	4139964.85	4.63	4.63	offsite		0.000772	2.06E-07	0.000154385	0.001559	5.70E-07	0.0003117	0.00035108	2.29E-08	7.0216E-05	0.000376	2.10E-08	7.52571E-05
136	592615	4139964.85	4.36	4.36	offsite		0.000661	1.76E-07	0.000132265	0.001371	5.02E-07	0.0002741	0.00031884	2.08E-08	6.3768E-05	0.000338	1.89E-08	6.76764E-05
137	592715	4139964.85	3.54	3.54	offsite		0.000572	1.52E-07	0.000114308	0.00121	4.43E-07	0.0002421	0.000289321	1.89E-08	5.78642E-05	0.000306	1.71E-08	6.11283E-05
138	592815	4139964.85	4.3	4.3	offsite		0.000499	1.33E-07	9.97065E-05	0.001075	3.93E-07	0.0002149	0.000262839	1.72E-08	5.25679E-05	0.000278	1.55E-08	5.55163E-05
139	589515	4140064.85	4.7	4.7	offsite		0.000234	6.22E-08	4.67009E-05	0.000572	2.09E-07	0.0001145	0.000135098	8.82E-09	2.70195E-05	0.000291	1.63E-08	5.82958E-05
140	589615	4140064.85	5.41	5.41	offsite		0.000253	6.74E-08	5.06337E-05	0.000626	2.29E-07	0.0001251	0.000146187	9.54E-09	2.92374E-05	0.000325	1.81E-08	6.495E-05
141	591715	4140064.85	4.47	4.47	offsite		0.003628	9.66E-07	0.000725576	0.004979	1.82E-06	0.0009957	0.000735017	4.80E-08	0.000147003	0.001028	5.74E-08	0.000205567
142	591815	4140064.85	3.9	3.9	offsite		0.002942	7.83E-07	0.00058841	0.004349	1.59E-06	0.0008698	0.000695864	4.54E-08	0.000139173	0.00089	4.97E-08	0.000177942
143	591915	4140064.85	4.58	4.58	offsite		0.002368	6.30E-07	0.000473532	0.003753	1.37E-06	0.0007506	0.000647868	4.23E-08	0.000129574	0.000771	4.30E-08	0.000154167
144	592015	4140064.85	4.35	4.35	offsite		0.001898	5.05E-07	0.000379599	0.003214	1.18E-06	0.0006429	0.000595157	3.89E-08	0.000119031	0.000669	3.74E-08	0.000133842
145	592115	4140064.85	4.67	4.67	offsite		0.00153	4.08E-07	0.000306073	0.002745	1.00E-06	0.000549	0.000541403	3.53E-08	0.000108281	0.000583	3.26E-08	0.000116669
146	592215	4140064.85	4.42	4.42	offsite		0.001243	3.31E-07	0.000248631	0.002345	8.58E-07	0.000469	0.000488993	3.19E-08	9.77987E-05	0.000511	2.85E-08	0.000102188
147	592315	4140064.85	4.14	4.14	offsite		0.001021	2.72E-07	0.000204224	0.002009	7.35E-07	0.0004017	0.000439653	2.87E-08	8.79306E-05	0.00045	2.51E-08	8.99987E-05
148	592415	4140064.85	4.07	4.07	offsite		0.000849	2.26E-07	0.000169786	0.001729	6.33E-07	0.0003457	0.00039433	2.57E-08	7.8866E-05	0.000399	2.23E-08	7.97399E-05
149	592515	4140064.85	4.31	4.31	offsite		0.000715	1.90E-07	0.000142905	0.001497	5.48E-07	0.0002993	0.000353437	2.31E-08	7.06874E-05	0.000355	1.98E-08	7.10928E-05
150	592615	4140064.85	3.48	3.48	offsite		0.000609	1.62E-07	0.000121742	0.001304	4.77E-07	0.0002607	0.000316799	2.07E-08	6.33599E-05	0.000319	1.78E-08	6.37485E-05
151	592715	4140064.85	6.47	6.66	offsite		0.000523	1.39E-07	0.000104618	0.001145	4.19E-07	0.000229	0.000284939	1.86E-08	5.69878E-05	0.000288	1.61E-08	5.75768E-05
152	592815	4140064.85	5.61	5.61	offsite		0.000457	1.22E-07	9.13263E-05	0.001012	3.70E-07	0.0002023	0.000256401	1.67E-08	5.12802E-05	0.000261	1.46E-08	5.22544E-05
153	591715	4140164.85	4.28	4.28	offsite		0.004175	1.11E-06	0.000835089	0.005761	2.11E-06	0.0011523	0.000877977	5.73E-08	0.000175595	0.001042	5.82E-08	0.000208308
154	591815	4140164.85	3.21	3.21	offsite		0.00315	8.39E-07	0.000629942	0.004796	1.75E-06	0.0009592	0.000802866	5.24E-08	0.000160573	0.00088	4.92E-08	0.00017606
155	591915	4140164.85	3.79	3.79	offsite		0.002391	6.37E-07	0.000478281	0.00397	1.45E-06	0.000794	0.000723738	4.72E-08	0.000144748	0.000749	4.18E-08	0.000149704
156	592015	4140164.85	3.33	3.33	offsite		0.00184	4.90E-07	0.000367946	0.003285	1.20E-06	0.0006569	0.000645653	4.21E-08	0.000129131	0.000641	3.58E-08	0.000128139
157	592115	4140164.85	3.67	3.67	offsite		0.001439	3.83E-07	0.000287886	0.002728	9.98E-07	0.0005457	0.000572251	3.74E-08	0.00011445	0.000553	3.09E-08	0.000110536
158	592215	4140164.85	4.34	4.34	offsite		0.001147	3.05E-07	0.000229398	0.002281	8.35E-07	0.0004561	0.000505398	3.30E-08	0.00010108	0.000481	2.68E-08	9.61222E-05
159	592315	4140164.85	4.72	4.72	offsite		0.00093	2.48E-07	0.000186088	0.001922	7.03E-07	0.0003844	0.000445775	2.91E-08	8.9155E-05	0.000421	2.35E-08	8.42661E-05
160	592415	4140164.85	4.28	4.28	offsite		0.000769	2.05E-07	0.000153725	0.001634	5.98E-07	0.0003268	0.000393302	2.57E-08	7.86604E-05	0.000372	2.08E-08	7.44464E-05
161	592515	4140164.85	3.84	3.84	offsite		0.000645	1.72E-07	0.000129071	0.001402	5.13E-07	0.0002805	0.000347679	2.27E-08	6.95358E-05	0.000331	1.85E-08	6.62818E-05
162	592615	4140164.85	4.39	4.39	offsite		0.00055	1.46E-07	0.000110006	0.001215	4.45E-07	0.0002431	0.000308431	2.01E-08	6.16862E-05	0.000297	1.66E-08	5.94684E-05
163	592715	4140164.85	5.53	5.53	offsite		0.000474	1.26E-07	9.48395E-05	0.001064	3.89E-07	0.0002127	0.000274767	1.79E-08	5.49534E-05	0.000269	1.50E-08	5.37358E-05
164	592815	4140164.85	5.91	8.68	offsite		0.000414	1.10E-07	8.28958E-05	0.000939	3.44E-07	0.0001878	0.00024577	1.60E-08	4.9154E-05	0.000244	1.36E-08	4.88669E-05
165	591315	4140264.85	3.69	3.69	park		0.018832	1.89E-07	0.003766438	0.014525	1.78E-07	0.002905	0.001371178	2.63E-09	0.000274236	0.002304	3.28E-09	0.000460851
166	591415	4140264.85	3.92	3.92	park		0.013551	1.36E-07	0.002710118	0.012241	1.50E-07	0.0024482	0.001335442	2.56E-09	0.000267088	0.001862	2.65E-09	0.000372488
167	591615	4140264.85	4.63	4.63	offsite		0.006471	1.72E-06	0.001294233	0.008054	2.95E-06	0.0016108	0.001146211	7.48E-08	0.000229242	0.001228	6.86E-08	0.000245589
168	591715	4140264.85	4.75	4.75	offsite		0.004426	1.18E-06	0.000885197	0.006375	2.33E-06	0.001275	0.001023974	6.68E-08	0.000204795	0.001009	5.63E-08	0.00020175
169	591815	4140264.85	3.38	3.38	offsite		0.003094	8.24E-07	0.000618787	0.005034	1.84E-06	0.0010068	0.000900377	5.88E-08	0.000180075	0.000837	4.67E-08	0.000167432
170	591915	4140264.85	3.74	3.74	park		0.002236	2.24E-08	0.000447295	0.003997	4.90E-08	0.0007994	0.000783883	1.50E-09	0.000156777	0.000702	1.00E-09	0.000140492
171	592015	4140264.85	2.77	2.77	offsite		0.001669	4.44E-07	0.000333782	0.003204	1.17E-06	0.0006407	0.000678447	4.43E-08	0.000135689	0.000596	3.33E-08	0.000119188
172	592115	4140264.85	4.19	4.19	offsite		0.001284	3.42E-07	0.000256743	0.0026	9.51E-07	0.00052	0.000586235	3.83E-08	0.000117247	0.000511	2.86E-08	0.000102265
173	592215	4140264.85	4.17	4.17	offsite		0.001015	2.70E-07	0.000202954	0.002138	7.82E-07	0.0004275	0.000506711	3.31E-08	0.000101342	0.000443	2.48E-08	8.86669E-05
174	592315	4140264.85	4.02	4.02	offsite		0.000822	2.19E-07	0.00016441	0.001782	6.52E-07	0.0003563	0.000439099	2.87E-08	8.78198E-05	0.000388	2.17E-08	7.76602E-05
175	592415	4140264.85	3.28	3.28	offsite		0.00068	1.81E-07	0.000136069	0.001504	5.50E-07	0.0003009	0.000381975	2.49E-08	7.63951E-05	0.000343	1.92E-08	6.86559E-05
176	592515	4140264.85	3.87	3.87	offsite		0.000574	1.53E-07	0.000114805	0.001287	4.71E-07	0.0002574	0.000334137	2.18E-08	6.68275E-05	0.000306	1.71E-08	6.12538E-05
177	592615	4140264.85	4.61	4.61	offsite		0.000492	1.31E-07	9.84199E-05	0.001115	4.08E-07	0.0002229	0.000294004	1.92E-08	5.88007E-05	0.000276	1.54E-08	5.51062E-05
178	592715	4140264.85	7.42	8.59	path		0.000424	4.24E-09	8.47419E-05	0.000975	1.19E-08	0.0001951	0.000260561	4.99E-10	5.21123E-05	0.000249	3.55E-10	4.98561E-05
179	592815	4140264.85	4	8.68	path		0.000378	3.78E-09	7.55785E-05	0.000863	1.06E-08	0.0001727	0.000231675	4.44E-10	4.6335E-05	0.000228	3.24E-10	4.55519E-05
180	590915	4140364.85	5.73	5.73	Phase2	2 sidential							0.00160423	2.88E-07	0.000320846	0.007249	4.05E-07	0.001449819
181	591015	4140364.85	5.56	5.56	Phase1	1 sidential				0.059842	2.03E-05	0.0119684	0.001846599	1.21E-07	0.00036932	0.005595	2.83E-07	0.001119032
182	591115	4140364.85	3.47	3.47	Phase1	1 sidential				0.037997	1.29E-05	0.0075994	0.001989131	1.30E-07	0.000397826	0.004216	2.13E-07	0.00084325
183	591215	4140364.85	4.5	7.04	Phase1	1 sidential				0.028579	9.67E-06	0.0057158	0.002010424	1.31E-07	0.000402085	0.003187	1.61E-07	0.000637379
184	591415	4140364.85	3.64	13.54	park		0.022414	2.45E-07	0.004482833	0.016676	2.34E-07	0.0033352	0.001763942	5.54E-09	0.000352788	0.001862	5.36E-09	0.000372372
185	591615	4140364.85	4.61	4.61	offsite		0.006743	1.80E-06	0.001348676	0.008979	3.29E-06	0.0017958	0.001353002	8.83E-08	0.0002706	0.001156	6.45E-08	0.000231123
186	591715	4140364.85	4.76	4.76	school		0.004142	5.79E-07	0.000828348	0.006616	1.13E-06	0.0013232	0.001151763	3.08E-08	0.000230353	0.000934	1.86E-08	0.000186714
187	591815	4140364.85	3.34	3.34	school		0.002741	3.83E-07	0.000548271	0.00496	8.48E-07	0.000992	0.000971216	2.60E-08	0.000194243	0.000767	1.52E-08	0.000153356
188	591915	4140364.85	3.51	3.51	school		0.001929	2.70E-07	0.000385875	0.003799	6.50E-07	0.0007597	0.000816249	2.18E-08	0.00016325	0.00064	1.27E-08	0.000127912
189	592015	4140364.85	3.24	3.24	offsite		0.001427	3.80E-07	0.000285319	0.002973	1.09E-06	0.0005945	0.000686341	4.48E-08	0.000137268	0.000541	3.02E-08	0.000108258
190	592115	4140364.85	2.61	2.61	offsite		0.001098	2.92E-07	0.000219575	0.002376	8.69E-07	0.0004751	0.000579069	3.78E-08	0.000115814	0.000464	2.59E-08	9.28554E-05
191	592215	4140364.85	3.46	3.46	offsite		0.000873	2.33E-07	0.000174686	0.001937	7.09E-07	0.0003874	0.000491477	3.21E-08	9.82954E-05	0.000403	2.25E-08	8.0676E-05
192	592315	4140364.85	3.12	3.12	offsite		0.000714	1.90E-07	0.000142771	0.001608	5.88E-07	0.0003216	0.00041991	2.74E-08	8.3982E-05	0.000354	1.98E-08	7.08756E-05
193	592415	4140364.85	3.86	3.86	offsite		0.000597	1.59E-07	0.000119426	0.001358	4.97E-07	0.0002716	0.000361679	2.36E-08	7.23358E-05	0.000315	1.76E-08	6.29282E-05
194	592515	4140364.85	3.6	3.6	offsite		0.000509	1.36E-07	0.00010181	0.001164	4.26E-07	0.0002328	0.000313983	2.05E-08	6.27967E-05	0.000282	1.57E-08	5.63849E-05
195	592615	4140364.85	3.76	8.53	offsite		0.000441	1.17E-07	8.82439E-05	0.001012	3.70E-07	0.0002023	0.000274894	1.79E-08	5.49787E-05	0.000255	1.42E-08	5.09515E-05

Risk Calculations - DPM - Unmitigated

	5			6			7			8			SUM OF RISK	
No.	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	Res Risk	HI
131	0.000369721	1.44E-08	7.39442E-05	0.00037	1.56E-08	7.40937E-05	0.0004	2.04E-08	8.33632E-05	0.000218	1.04E-08	4.37E-05	1.51E-06	1.33E-03
132	0.000355994	1.39E-08	7.11988E-05	0.000381	1.60E-08	7.62057E-05	0.0004	2.06E-08	8.41718E-05	0.000229	1.09E-08	4.58319E-05	1.31E-06	1.20E-03
133	0.000339979	1.32E-08	6.79958E-05	0.000389	1.64E-08	7.78964E-05	0.0004	2.04E-08	8.35865E-05	0.000238	1.14E-08	4.76607E-05	1.15E-06	1.08E-03
134	0.000322289	1.26E-08	6.44579E-05	0.000395	1.66E-08	7.90604E-05	0.0004	2.00E-08	8.17097E-05	0.000245	1.17E-08	4.89613E-05	1.00E-06	9.73E-04
135	0.000303887	1.18E-08	6.07774E-05	0.000398	1.67E-08	7.96292E-05	0.0004	1.93E-08	7.88072E-05	0.000248	1.18E-08	4.962E-05	8.79E-07	8.80E-04
136	0.000285103	1.11E-08	5.70207E-05	0.000398	1.67E-08	7.95765E-05	0.0004	1.84E-08	7.51201E-05	0.000248	1.18E-08	4.95758E-05	7.75E-07	7.99E-04
137	0.000266486	1.04E-08	5.32971E-05	0.000395	1.66E-08	7.89182E-05	0.0004	1.73E-08	7.09141E-05	0.000244	1.16E-08	4.88623E-05	6.87E-07	7.27E-04
138	0.000248647	9.68E-09	4.97294E-05	0.000389	1.64E-08	7.77331E-05	0.0003	1.63E-08	6.64787E-05	0.000238	1.13E-08	4.7606E-05	6.12E-07	6.64E-04
139	0.000131618	5.13E-09	2.63236E-05	0.000147	6.20E-09	2.94626E-05	9E-05	4.61E-09	1.88547E-05	5.67E-05	2.70E-09	1.13349E-05	3.15E-07	3.32E-04
140	0.000140637	5.48E-09	2.81274E-05	0.000152	6.41E-09	3.04739E-05	1E-04	4.88E-09	1.9962E-05	5.95E-05	2.84E-09	1.19031E-05	3.44E-07	3.60E-04
141	0.000457041	1.78E-08	9.14082E-05	0.000369	1.55E-08	7.3704E-05	0.0004	2.12E-08	8.68089E-05	0.000214	1.02E-08	4.27151E-05	2.96E-06	2.37E-03
142	0.000454024	1.77E-08	9.08047E-05	0.000383	1.61E-08	7.66903E-05	0.0005	2.26E-08	9.23998E-05	0.000225	1.07E-08	4.49543E-05	2.54E-06	2.08E-03
143	0.00044469	1.73E-08	8.8938E-05	0.000399	1.68E-08	7.97503E-05	0.0005	2.38E-08	9.71308E-05	0.000238	1.13E-08	4.75996E-05	2.16E-06	1.82E-03
144	0.000429703	1.67E-08	8.59405E-05	0.000414	1.74E-08	8.27208E-05	0.0005	2.45E-08	0.000100208	0.000252	1.20E-08	5.04849E-05	1.83E-06	1.59E-03
145	0.000410687	1.60E-08	8.21374E-05	0.000427	1.80E-08	8.53648E-05	0.0005	2.48E-08	0.000101267	0.000267	1.27E-08	5.33618E-05	1.55E-06	1.40E-03
146	0.000388737	1.51E-08	7.77473E-05	0.000437	1.84E-08	8.74873E-05	0.0005	2.45E-08	0.000100233	0.000279	1.33E-08	5.58451E-05	1.32E-06	1.24E-03
147	0.000365162	1.42E-08	7.30324E-05	0.000445	1.87E-08	8.89251E-05	0.0005	2.38E-08	9.73722E-05	0.000288	1.37E-08	5.76171E-05	1.13E-06	1.10E-03
148	0.00034099	1.33E-08	6.8198E-05	0.000448	1.88E-08	8.95835E-05	0.0005	2.28E-08	9.30938E-05	0.000292	1.39E-08	5.84694E-05	9.75E-07	9.83E-04
149	0.000317034	1.23E-08	6.34068E-05	0.000447	1.88E-08	8.94413E-05	0.0004	2.15E-08	8.78468E-05	0.000292	1.39E-08	5.83431E-05	8.47E-07	8.83E-04
150	0.000293641	1.14E-08	5.87283E-05	0.000443	1.86E-08	8.85143E-05	0.0004	2.01E-08	8.20054E-05	0.000286	1.36E-08	5.7274E-05	7.41E-07	7.96E-04
151	0.000271907	1.06E-08	5.43814E-05	0.000434	1.83E-08	8.6771E-05	0.0004	1.86E-08	7.60494E-05	0.000277	1.32E-08	5.54999E-05	6.54E-07	7.21E-04
152	0.000250918	9.77E-09	5.01836E-05	0.000423	1.78E-08	8.46063E-05	0.0004	1.71E-08	7.00059E-05	0.000265	1.26E-08	5.30608E-05	5.80E-07	6.55E-04
153	0.000543913	2.12E-08	0.000108783	0.000429	1.80E-08	8.5744E-05	0.0006	2.74E-08	0.000111994	0.00026	1.24E-08	5.20359E-05	3.41E-06	2.73E-03
154	0.000529175	2.06E-08	0.000105835	0.000448	1.88E-08	8.96098E-05	0.0006	2.91E-08	0.000118897	0.000277	1.32E-08	5.53547E-05	2.78E-06	2.30E-03
155	0.000507341	1.98E-08	0.000101468	0.000467	1.96E-08	9.33545E-05	0.0006	3.02E-08	0.000123459	0.000296	1.41E-08	5.91997E-05	2.26E-06	1.94E-03
156	0.000480069	1.87E-08	9.60137E-05	0.000484	2.03E-08	9.67358E-05	0.0006	3.05E-08	0.000124844	0.000316	1.50E-08	6.31372E-05	1.85E-06	1.66E-03
157	0.000449697	1.75E-08	8.99393E-05	0.000497	2.09E-08	9.94219E-05	0.0006	3.01E-08	0.000123064	0.000333	1.59E-08	6.66496E-05	1.53E-06	1.44E-03
158	0.000417932	1.63E-08	8.35864E-05	0.000506	2.13E-08	0.000101213	0.0006	2.90E-08	0.000118589	0.000346	1.65E-08	6.9175E-05	1.28E-06	1.26E-03
159	0.000386018	1.50E-08	7.72036E-05	0.00051	2.14E-08	0.000101976	0.0006	2.74E-08	0.000112126	0.000352	1.68E-08	7.03409E-05	1.08E-06	1.11E-03
160	0.0003548	1.38E-08	7.096E-05	0.000508	2.14E-08	0.000101671	0.0005	2.55E-08	0.000104411	0.00035	1.67E-08	7.00357E-05	9.26E-07	9.81E-04
161	0.000325174	1.27E-08	6.50348E-05	0.000502	2.11E-08	0.000100354	0.0005	2.35E-08	9.612E-05	0.000342	1.63E-08	6.83963E-05	8.00E-07	8.75E-04
162	0.00029767	1.16E-08	5.9534E-05	0.000491	2.06E-08	9.81632E-05	0.0004	2.15E-08	8.77834E-05	0.000328	1.56E-08	6.56963E-05	6.97E-07	7.85E-04
163	0.000272404	1.06E-08	5.44808E-05	0.000476	2.00E-08	9.51295E-05	0.0004	1.95E-08	7.97304E-05	0.000311	1.48E-08	6.22365E-05	6.13E-07	7.08E-04
164	0.000249227	9.71E-09	4.98454E-05	0.000458	1.93E-08	9.16165E-05	0.0004	1.77E-08	7.21451E-05	0.000291	1.39E-08	5.82884E-05	5.44E-07	6.41E-04
165	0.000648226	6.44E-10	0.000129645	0.000424	5.02E-10	8.47643E-05	0.0005	7.40E-10	0.000107456	0.00025	3.35E-10	4.99777E-05	3.75E-07	7.78E-03
166	0.000669944	6.66E-10	0.000133989	0.000442	5.23E-10	8.833E-05	0.0006	8.02E-10	0.000116541	0.000269	3.60E-10	5.37343E-05	2.93E-07	6.19E-03
167	0.000667043	2.60E-08	0.000133409	0.000485	2.04E-08	9.69202E-05	0.0007	3.40E-08	0.000139113	0.000306	1.46E-08	6.11779E-05	4.91E-06	3.81E-03
168	0.000644181	2.51E-08	0.000128836	0.000509	2.14E-08	0.000101787	0.0007	3.67E-08	0.000149824	0.000328	1.56E-08	6.55489E-05	3.73E-06	3.01E-03
169	0.000610576	2.38E-08	0.000122115	0.000533	2.24E-08	0.00010668	0.0008	3.84E-08	0.000156854	0.000353	1.68E-08	7.06545E-05	2.87E-06	2.43E-03
170	0.000570837	5.67E-10	0.000114167	0.000555	6.57E-10	0.000111051	0.0008	1.09E-09	0.000158842	0.000381	5.11E-10	7.62335E-05	7.67E-08	2.00E-03
171	0.000527434	2.05E-08	0.000105487	0.000573	2.41E-08	0.000114564	0.0008	3.81E-08	0.000155623	0.000407	1.94E-08	8.13285E-05	1.80E-06	1.69E-03
172	0.000483616	1.88E-08	9.67233E-05	0.000584	2.46E-08	0.000116818	0.0007	3.63E-08	0.000148297	0.000425	2.03E-08	8.50787E-05	1.46E-06	1.44E-03
173	0.000440545	1.72E-08	8.8109E-05	0.000588	2.48E-08	0.000117693	0.0007	3.38E-08	0.00013812	0.000434	2.07E-08	8.67223E-05	1.21E-06	1.25E-03
174	0.000399695	1.56E-08	7.9939E-05	0.000586	2.46E-08	0.000117124	0.0006	3.09E-08	0.000126458	0.000431	2.05E-08	8.61205E-05	1.01E-06	1.10E-03
175	0.00036173	1.41E-08	7.2346E-05	0.000576	2.42E-08	0.000115191	0.0006	2.80E-08	0.000114356	0.000417	1.99E-08	8.34982E-05	8.62E-07	9.67E-04
176	0.000327263	1.27E-08	6.54526E-05	0.000561	2.36E-08	0.000112126	0.0005	2.51E-08	0.000102592	0.000397	1.89E-08	7.93692E-05	7.43E-07	8.60E-04
177	0.000296195	1.15E-08	5.92389E-05	0.000541	2.27E-08	0.000108144	0.0005	2.24E-08	9.15791E-05	0.000371	1.77E-08	7.42363E-05	6.48E-07	7.68E-04
178	0.000268641	2.67E-10	5.37282E-05	0.000517	6.12E-10	0.000103356	0.0004	5.62E-10	8.16102E-05	0.000343	4.60E-10	6.86405E-05	1.89E-08	6.89E-04
179	0.000243408	2.42E-10	4.86816E-05	0.000492	5.82E-10	9.83001E-05	0.0004	4.99E-10	7.25132E-05	0.000314	4.20E-10	6.27226E-05	1.69E-08	6.22E-04
180	0.000646535	2.52E-08	0.000129307	0.000408	1.89E-08	8.162E-05	0.0004	2.42E-08	8.95032E-05	0.000198	1.04E-08	3.95141E-05	7.71E-07	2.11E-03
181	0.000706649	2.49E-08	0.00014133	0.000431	1.81E-08	8.62707E-05	0.0005	2.51E-08	0.000102583	0.000222	1.06E-08	4.44155E-05	2.07E-05	1.38E-02
182	0.000767825	2.71E-08	0.000153565	0.000456	1.92E-08	9.1232E-05	0.0006	2.84E-08	0.00011626	0.000249	1.19E-08	4.9782E-05	1.33E-05	9.25E-03
183	0.000819301	2.89E-08	0.00016386	0.000478	2.01E-08	9.55297E-05	0.0007	3.18E-08	0.0001301	0.000278	1.32E-08	5.56073E-05	1.01E-05	7.20E-03
184	0.00085851	8.53E-10	0.000171702	0.000526	6.23E-10	0.000105221	0.0008	1.10E-09	0.000159907	0.000336	4.51E-10	6.72599E-05	4.92E-07	9.05E-03
185	0.000804231	3.13E-08	0.000160846	0.000586	2.47E-08	0.000117261	0.001	4.78E-08	0.000195505	0.000395	1.88E-08	7.90641E-05	5.36E-06	4.20E-03
186	0.000752357	1.04E-08	0.000150471	0.000618	1.02E-08	0.000123639	0.001	1.99E-08	0.000207372	0.000431	8.06E-09	8.61773E-05	1.81E-06	3.14E-03
187	0.000691695	9.59E-09	0.000138339	0.000648	1.07E-08	0.000129538	0.0011	2.02E-08	0.00021031	0.000471	8.81E-09	9.41891E-05	1.32E-06	2.46E-03
188	0.000628713	8.72E-09	0.000125743	0.000671	1.11E-08	0.000134172	0.001	1.96E-08	0.000204406	0.00051	9.54E-09	0.000102003	1.00E-06	2.00E-03
189	0.000566477	2.21E-08	0.000113295	0.000686	2.88E-08	0.000137122	0.001	4.69E-08	0.000191667	0.000539	2.57E-08	0.000107786	1.67E-06	1.68E-03
190	0.000507457	1.98E-08	0.000101491	0.00069	2.90E-08	0.000138091	0.0009	4.28E-08	0.0001749	0.000551	2.63E-08	0.000110249	1.34E-06	1.43E-03
191	0.000453377	1.77E-08	9.06754E-05	0.000685	2.88E-08	0.000137053	0.0008	3.83E-08	0.000156613	0.000546	2.60E-08	0.000109112	1.11E-06	1.23E-03
192	0.000404387	1.57E-08	8.08774E-05	0.000671	2.82E-08	0.000134178	0.0007	3.39E-08	0.000138431	0.000524	2.50E-08	0.000104781	9.29E-07	1.08E-03
193	0.000360967	1.41E-08	7.21935E-05	0.000649	2.73E-08	0.000129801	0.0006	2.97E-08	0.000121459	0.000491	2.34E-08	9.82234E-05	7.92E-07	9.48E-04
194	0.000322571	1.26E-08	6.45142E-05	0.000621	2.61E-08	0.000124234	0.0005	2.60E-08	0.00010614	0.000452	2.15E-08	9.03463E-05	6.84E-07	8.39E-04
195	0.000289016	1.13E-08	5.78032E-05	0.000589	2.48E-08	0.000117877	0.0005	2.27E-08	9.26834E-05	0.00041	1.95E-08	8.19809E-05	5.98E-07	7.47E-04

Risk Calculations - DPM - Unmitigated

				Phase -->				1			2			3			4	
No.	X	Y	ELEV	HILL	Group	Group	Receptor Ty	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI
196	592715	4140364.85	3.63	8.57	path			0.000388	3.88E-09	7.75533E-05	0.00089	1.09E-08	0.000178	0.000242622	4.65E-10	4.85244E-05	0.000232	3.30E-10	4.63867E-05
197	590815	4140464.85	7.69	7.69	Phase2	2	Residential							0.002297436	4.12E-07	0.000459487	0.024278	1.36E-06	0.00485567
198	590915	4140464.85	2.98	8.04	Phase2	2	Residential							0.002955728	5.30E-07	0.000591146	0.010664	5.95E-07	0.002132745
199	591015	4140464.85	8.67	10.34	Phase2	2	Residential							0.003317866	5.95E-07	0.000663573	0.007126	3.98E-07	0.00142519
200	591115	4140464.85	6.33	6.33	Phase2	2	Residential							0.003287287	5.90E-07	0.000657457	0.004647	2.60E-07	0.000929446
201	591215	4140464.85	4.21	4.21	Phase1	1	Residential				0.068479	2.32E-05	0.0136958	0.003040346	1.98E-07	0.000608069	0.003227	1.63E-07	0.000645476
202	591315	4140464.85	3.82	13.54	Phase1	1	Residential				0.039203	1.33E-05	0.0078407	0.00267321	1.75E-07	0.000534642	0.002323	1.18E-07	0.000464639
203	591515	4140464.85	8.62	12.23	offsite			0.0132	3.52E-06	0.002640078	0.014505	5.31E-06	0.0029009	0.001886669	1.23E-07	0.000377334	0.001317	7.35E-08	0.000263385
204	591615	4140464.85	3.6	3.6	offsite			0.00578	1.54E-06	0.001155993	0.009157	3.35E-06	0.0018313	0.001524848	9.95E-08	0.00030497	0.001035	5.78E-08	0.000207029
205	591715	4140464.85	3.18	3.18	offsite			0.003363	8.96E-07	0.000672682	0.006305	2.31E-06	0.0012611	0.00123317	8.05E-08	0.000246634	0.000831	4.64E-08	0.000166279
206	591815	4140464.85	3.2	3.2	school			0.002209	3.09E-07	0.000441729	0.004544	7.77E-07	0.0009087	0.000997761	2.67E-08	0.000199552	0.000682	1.36E-08	0.000136366
207	591915	4140464.85	2.66	2.66	offsite			0.001569	4.18E-07	0.00031386	0.003402	1.24E-06	0.0006805	0.000811345	5.30E-08	0.000162269	0.00057	3.18E-08	0.000113938
208	592015	4140464.85	2.88	2.88	offsite			0.001179	3.14E-07	0.000235865	0.002634	9.64E-07	0.0005268	0.000665237	4.34E-08	0.000133047	0.000484	2.70E-08	9.68122E-05
209	592115	4140464.85	3.2	3.2	offsite			0.000924	2.46E-07	0.000184818	0.002098	7.68E-07	0.0004196	0.000550926	3.60E-08	0.000110185	0.000417	2.33E-08	8.34941E-05
210	592215	4140464.85	3.08	3.08	offsite			0.000748	1.99E-07	0.000149591	0.001712	6.27E-07	0.0003424	0.000461215	3.01E-08	9.22429E-05	0.000365	2.04E-08	7.29554E-05
211	592315	4140464.85	3.11	3.11	offsite			0.000621	1.65E-07	0.000124277	0.001428	5.22E-07	0.0002855	0.000390518	2.55E-08	7.81035E-05	0.000323	1.80E-08	6.45013E-05
212	592415	4140464.85	3.68	5.55	offsite			0.000527	1.40E-07	0.000105491	0.001213	4.44E-07	0.0002426	0.00033447	2.18E-08	6.68939E-05	0.000288	1.61E-08	5.76395E-05
213	592515	4140464.85	3.89	3.89	offsite			0.000456	1.21E-07	9.11305E-05	0.001047	3.83E-07	0.0002094	0.000289574	1.89E-08	5.79148E-05	0.00026	1.45E-08	5.19745E-05
214	592615	4140464.85	3.63	8.47	path			0.000399	4.00E-09	7.98917E-05	0.000916	1.12E-08	0.0001833	0.000253284	4.85E-10	5.06569E-05	0.000236	3.36E-10	4.72408E-05
215	592715	4140464.85	5.15	8.52	path			0.000354	3.54E-09	7.07786E-05	0.000813	9.96E-09	0.0001625	0.000223924	4.29E-10	4.47847E-05	0.000216	3.08E-10	4.32888E-05
216	590615	4140564.85	2.81	6.9	Phase4	4	Residential												
217	590715	4140564.85	7.46	7.46	Phase4	4	Residential												
218	590815	4140564.85	7.28	8.15	Phase2	2	Residential							0.005565408	9.99E-07	0.001113082	0.035117	1.96E-06	0.007023418
219	590915	4140564.85	7.4	7.4	Phase2	2	Residential							0.007118999	1.28E-06	0.0014238	0.013769	7.69E-07	0.002753847
220	591015	4140564.85	9.93	9.93	Phase2	2	Residential							0.006868974	1.23E-06	0.001373795	0.007568	4.23E-07	0.001513591
221	591115	4140564.85	9.16	9.16	Phase2	2	Residential							0.005707276	1.02E-06	0.001141455	0.004469	2.50E-07	0.000893801
222	591215	4140564.85	8.96	8.96	Phase2	2	Residential							0.004606341	8.26E-07	0.000921268	0.002914	1.63E-07	0.000582779
223	591315	4140564.85	4.72	7.76	Phase2	2	Residential							0.003598803	6.46E-07	0.000719761	0.002036	1.14E-07	0.000407245
224	591715	4140564.85	3.05	3.05	offsite			0.002482	6.61E-07	0.000496306	0.00547	2.00E-06	0.0010939	0.00124225	8.11E-08	0.00024845	0.000722	4.03E-08	0.000144381
225	591815	4140564.85	3.45	3.45	offsite			0.001711	4.56E-07	0.000342162	0.003887	1.42E-06	0.0007775	0.000968527	6.32E-08	0.000193705	0.000597	3.33E-08	0.000119303
226	591915	4140564.85	3.37	3.37	offsite			0.001264	3.37E-07	0.000252816	0.002907	1.06E-06	0.0005814	0.00076694	5.01E-08	0.000153388	0.000503	2.81E-08	0.000100552
227	592015	4140564.85	2.35	2.35	offsite			0.00098	2.61E-07	0.000195984	0.002261	8.27E-07	0.0004522	0.000617289	4.03E-08	0.000123458	0.000431	2.41E-08	8.61818E-05
228	592115	4140564.85	3.13	3.13	offsite			0.000788	2.10E-07	0.000157562	0.001816	6.65E-07	0.0003633	0.000505319	3.30E-08	0.000101064	0.000375	2.09E-08	7.5011E-05
229	592215	4140564.85	2.74	3.01	offsite			0.000651	1.73E-07	0.000130212	0.001498	5.48E-07	0.0002995	0.000420179	2.74E-08	8.40358E-05	0.000331	1.85E-08	6.61033E-05
230	592315	4140564.85	3.18	3.18	offsite			0.00055	1.47E-07	0.000110089	0.001262	4.62E-07	0.0002524	0.000354782	2.32E-08	7.09563E-05	0.000295	1.65E-08	5.89327E-05
231	592415	4140564.85	3.07	8.42	offsite			0.000474	1.26E-07	9.47836E-05	0.001083	3.96E-07	0.0002167	0.000303732	1.98E-08	6.07465E-05	0.000265	1.48E-08	5.30457E-05
232	592515	4140564.85	3.32	8.4	path			0.000414	4.15E-09	8.28958E-05	0.000945	1.16E-08	0.0001889	0.00026344	5.05E-10	5.26881E-05	0.000241	3.43E-10	4.81672E-05
233	592615	4140564.85	7.45	8.26	path			0.000362	3.63E-09	7.24737E-05	0.000834	1.02E-08	0.0001668	0.000231501	4.43E-10	4.63002E-05	0.00022	3.13E-10	4.39884E-05
234	590515	4140664.85	6.23	7.85	Phase4	4	Residential												
235	590615	4140664.85	7.56	9.05	Phase4	4	Residential												
236	590715	4140664.85	7.51	8.57	Phase4	4	Residential												
237	590815	4140664.85	5.96	5.96	Phase3	3	Residential										0.046217	9.15E-06	0.009243329
238	590915	4140664.85	8.13	8.13	Phase3	3	Residential										0.012877	2.55E-06	0.002575326
239	591015	4140664.85	9.54	9.54	Phase2	2	Residential							0.018998294	3.41E-06	0.003799659	0.006144	3.43E-07	0.001228738
240	591115	4140664.85	8.35	8.35	Phase2	2	Residential							0.010316875	1.85E-06	0.002063375	0.003603	2.01E-07	0.000720593
241	591215	4140664.85	7.74	7.74	Phase2	2	Residential							0.006735189	1.21E-06	0.001347038	0.002359	1.32E-07	0.000471722
242	591315	4140664.85	5.84	7.22	Phase2	2	Residenti							0.004598985	8.25E-07	0.000919797	0.001666	9.31E-08	0.000333281
243	591915	4140664.85	2.89	2.89	offsite			0.001049	2.79E-07	0.000209869	0.00243	8.89E-07	0.000486	0.000690169	4.51E-08	0.000138034	0.000445	2.49E-08	8.90722E-05
244	592015	4140664.85	0.58	0.58	offsite			0.000838	2.23E-07	0.000167626	0.001923	7.04E-07	0.0003847	0.000550784	3.60E-08	0.000110157	0.000386	2.15E-08	7.71535E-05
245	592115	4140664.85	0.84	0.84	offsite			0.00069	1.84E-07	0.00013791	0.001571	5.75E-07	0.0003143	0.000449635	2.94E-08	8.9927E-05	0.000339	1.89E-08	6.78404E-05
246	592215	4140664.85	2.07	8.29	offsite			0.000581	1.55E-07	0.000116142	0.001316	4.82E-07	0.0002633	0.000374493	2.44E-08	7.48985E-05	0.000302	1.69E-08	6.04045E-05
247	592315	4140664.85	7.57	8.32	path			0.00049	4.91E-09	9.80674E-05	0.001122	1.38E-08	0.0002245	0.000317669	6.09E-10	6.35339E-05	0.000271	3.86E-10	5.41604E-05
248	592415	4140664.85	3.32	8.06	path			0.000434	4.35E-09	8.68621E-05	0.000978	1.20E-08	0.0001956	0.000273185	5.23E-10	5.4637E-05	0.000246	3.51E-10	4.92771E-05
249	592515	4140664.85	4.93	8.51	path			0.000383	3.83E-09	7.6619E-05	0.000862	1.06E-08	0.0001725	0.000238541	4.57E-10	4.77081E-05	0.000225	3.21E-10	4.5079E-05
250	590515	4140764.85	6.09	6.81	Phase4	4	Residential												
251	590615	4140764.85	7.47	7.47	Phase4	4	Residential												
252	590715	4140764.85	7.57	7.57	Phase4	4	Residential												
253	590815	4140764.85	7.99	8.34	Phase3	3	Residential										0.021065	4.17E-06	0.004212911
254	590915	4140764.85	9.61	9.61	Phase3	3	Residential										0.008051	1.59E-06	0.001610288
255	591015	4140764.85	11.11	11.11	Phase3	3	Residential										0.004091	8.10E-07	0.000818153
256	591115	4140764.85	7.91	7.91	Phase2	2	Residential							0.023474108	4.21E-06	0.004694822	0.002678	1.50E-07	0.000535582
257	591215	4140764.85	6.84	6.84	Phase2	2	Residential							0.010050477	1.80E-06	0.002010095	0.001833	1.02E-07	0.000366688
258	592015	4140764.85	1.63	8.34	offsite			0.000736	1.96E-07	0.000147101	0.00166	6.07E-07	0.000332	0.000479043	3.13E-08	9.58086E-05	0.000351	1.96E-08	7.0147E-05
259	592115	4140764.85	4.58	8.1	path			0.000617	6.18E-09	0.000123443	0.001384	1.70E-08	0.0002768	0.000394156	7.55E-10	7.88312E-05	0.000312	4.44E-10	6.23684E-05
260	592215	4140764.85	3.32	8.32	path			0.000528	5.28E-09	0.000105592	0.001177	1.44E-08	0.0002354	0.000330768	6.34E-10	6.61536E-05	0.00028	3.99E-10	5.59555E-05

Risk Calculations - DPM - Unmitigated

	5			6			7			8			SUM OF RISK	
No.	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	Res Risk	HI
196	0.000259721	2.58E-10	5.19443E-05	0.000555	6.57E-10	0.000111041	0.0004	5.58E-10	8.10278E-05	0.000368	4.94E-10	7.36849E-05	1.75E-08	6.68E-04
197	0.000799092	3.11E-08	0.000159818	0.000434	2.02E-08	8.68447E-05	0.0005	2.50E-08	9.25507E-05	0.000198	1.04E-08	3.95857E-05	1.85E-06	5.69E-03
198	0.000898249	3.50E-08	0.00017965	0.000479	2.22E-08	9.58668E-05	0.0006	2.97E-08	0.000110226	0.000226	1.19E-08	4.51816E-05	1.22E-06	3.15E-03
199	0.000986928	3.84E-08	0.000197386	0.000494	2.29E-08	9.87214E-05	0.0007	3.53E-08	0.000130794	0.00026	1.37E-08	5.20296E-05	1.10E-06	2.57E-03
200	0.001076602	4.19E-08	0.00021532	0.000537	2.49E-08	0.000107349	0.0008	4.19E-08	0.000155095	0.000299	1.57E-08	5.98941E-05	9.74E-07	2.12E-03
201	0.001126189	3.98E-08	0.000225238	0.000573	2.41E-08	0.00011468	0.0009	4.41E-08	0.000180174	0.000343	1.63E-08	6.86278E-05	2.37E-05	1.55E-02
202	0.001134081	4.00E-08	0.000226816	0.000607	2.55E-08	0.000121395	0.001	5.06E-08	0.000206656	0.00039	1.86E-08	7.79866E-05	1.37E-05	9.47E-03
203	0.00104376	4.07E-08	0.000208752	0.000675	2.84E-08	0.000134926	0.0013	6.52E-08	0.000266564	0.000485	2.31E-08	9.70533E-05	9.18E-06	6.89E-03
204	0.000951616	3.71E-08	0.000190323	0.00073	3.07E-08	0.000145981	0.0014	7.07E-08	0.00028878	0.000538	2.56E-08	0.000107595	5.21E-06	4.23E-03
205	0.000857482	3.34E-08	0.000171496	0.00077	3.24E-08	0.000153992	0.0015	7.19E-08	0.000293879	0.000599	2.85E-08	0.000119734	3.50E-06	3.09E-03
206	0.000762834	1.06E-08	0.000152567	0.000802	1.32E-08	0.000160322	0.0014	2.71E-08	0.000282154	0.000661	1.24E-08	0.00013222	1.19E-06	2.41E-03
207	0.000672879	2.62E-08	0.000134576	0.000821	3.45E-08	0.00016423	0.0013	6.33E-08	0.000258571	0.000709	3.38E-08	0.000141833	1.91E-06	1.97E-03
208	0.000590897	2.30E-08	0.000118179	0.000826	3.48E-08	0.000165263	0.0011	5.61E-08	0.000229364	0.00073	3.48E-08	0.000145918	1.50E-06	1.65E-03
209	0.000517984	2.02E-08	0.000103597	0.000817	3.44E-08	0.00016343	0.001	4.87E-08	0.000199207	0.000718	3.42E-08	0.000143662	1.21E-06	1.41E-03
210	0.000454156	1.77E-08	9.08312E-05	0.000795	3.35E-08	0.000159037	0.0009	4.18E-08	0.00017089	0.000681	3.24E-08	0.000136109	1.00E-06	1.21E-03
211	0.000399032	1.55E-08	7.98064E-05	0.000763	3.21E-08	0.000152596	0.0007	3.57E-08	0.000145745	0.000626	2.98E-08	0.000125163	8.45E-07	1.06E-03
212	0.000351799	1.37E-08	7.03599E-05	0.000724	3.04E-08	0.000144727	0.0006	3.04E-08	0.000124153	0.000563	2.68E-08	0.000112652	7.24E-07	9.25E-04
213	0.000311397	1.21E-08	6.22794E-05	0.00068	2.86E-08	0.000135937	0.0005	2.59E-08	0.000105947	0.0005	2.38E-08	9.99092E-05	6.28E-07	8.15E-04
214	0.000276864	2.75E-10	5.53728E-05	0.000633	7.50E-10	0.000126694	0.0005	6.25E-10	9.07675E-05	0.000439	5.88E-10	8.77935E-05	1.83E-08	7.22E-04
215	0.000247602	2.46E-10	4.95205E-05	0.000588	6.96E-10	0.000117519	0.0004	5.39E-10	7.82339E-05	0.000384	5.15E-10	7.68186E-05	1.62E-08	6.43E-04
216	0.000863368	1.70E-07	0.000172674	0.000433	2.01E-08	8.65814E-05	0.0004	2.03E-08	7.51955E-05	0.000168	7.78E-09	3.35437E-05	2.18E-07	3.68E-04
217	0.001005812	1.98E-07	0.000201162	0.000464	2.15E-08	9.27436E-05	0.0005	2.45E-08	9.07282E-05	0.000193	8.93E-09	3.8504E-05	2.53E-07	4.23E-04
218	0.001168448	4.55E-08	0.00023369	0.00051	2.37E-08	0.000102034	0.0006	3.00E-08	0.000111203	0.000223	1.17E-08	4.45565E-05	3.07E-06	8.63E-03
219	0.00134211	5.23E-08	0.000268422	0.000556	2.58E-08	0.000111272	0.0007	3.73E-08	0.000138289	0.000261	1.37E-08	5.21264E-05	2.18E-06	4.75E-03
220	0.001482515	5.77E-08	0.000296503	0.000588	2.73E-08	0.00011755	0.0009	4.61E-08	0.000170969	0.000307	1.61E-08	6.1382E-05	1.80E-06	3.53E-03
221	0.001581904	6.16E-08	0.000316381	0.000639	2.97E-08	0.000127831	0.0011	5.82E-08	0.000215684	0.000365	1.92E-08	7.30704E-05	1.44E-06	2.77E-03
222	0.001594288	6.21E-08	0.000318858	0.000688	3.19E-08	0.000137643	0.0013	7.20E-08	0.000266645	0.000435	2.28E-08	8.69349E-05	1.18E-06	2.31E-03
223	0.001514909	5.90E-08	0.000302982	0.000761	3.53E-08	0.000152206	0.0016	8.85E-08	0.000327967	0.000514	2.70E-08	0.000102815	9.69E-07	2.01E-03
224	0.000945266	3.68E-08	0.000189053	0.000982	4.13E-08	0.000196347	0.0021	1.02E-07	0.00041786	0.000895	4.26E-08	0.000178927	3.01E-06	2.97E-03
225	0.00081199	3.16E-08	0.000162398	0.001008	4.24E-08	0.000201625	0.0018	9.05E-08	0.000369786	0.000982	4.68E-08	0.000196396	2.19E-06	2.36E-03
226	0.000695475	2.71E-08	0.000139095	0.001013	4.26E-08	0.000202636	0.0016	7.69E-08	0.00031452	0.001019	4.85E-08	0.000203739	1.67E-06	1.95E-03
227	0.000595755	2.32E-08	0.000119151	0.000997	4.19E-08	0.000199381	0.0013	6.40E-08	0.000261679	0.000995	4.74E-08	0.000199023	1.33E-06	1.64E-03
228	0.000512065	1.99E-08	0.000102413	0.000962	4.05E-08	0.000192476	0.0011	5.28E-08	0.000215699	0.000925	4.41E-08	0.000184954	1.09E-06	1.39E-03
229	0.000441905	1.72E-08	8.83809E-05	0.000914	3.84E-08	0.000182759	0.0009	4.34E-08	0.00017741	0.000828	3.94E-08	0.000165538	9.06E-07	1.19E-03
230	0.000383581	1.49E-08	7.67162E-05	0.000856	3.60E-08	0.000171272	0.0007	3.58E-08	0.000146399	0.000723	3.44E-08	0.000144579	7.69E-07	1.03E-03
231	0.000334989	1.30E-08	6.69977E-05	0.000794	3.34E-08	0.000158805	0.0006	2.97E-08	0.000121543	0.000622	2.96E-08	0.000124391	6.63E-07	8.97E-04
232	0.000294537	2.93E-10	5.89073E-05	0.000731	8.65E-10	0.000146118	0.0005	7.00E-10	0.000101738	0.000531	7.12E-10	0.000106212	1.91E-08	7.86E-04
233	0.000261048	2.59E-10	5.22096E-05	0.00067	7.93E-10	0.000133951	0.0004	5.92E-10	8.60304E-05	0.000453	6.07E-10	9.06199E-05	1.69E-08	6.92E-04
234	0.00096458	1.90E-07	0.000192916	0.000437	2.03E-08	8.7303E-05	0.0004	1.89E-08	7.0024E-05	0.000159	7.39E-09	3.1839E-05	2.36E-07	3.82E-04
235	0.001231547	2.42E-07	0.000246309	0.000482	2.24E-08	9.63461E-05	0.0004	2.29E-08	8.47602E-05	0.000183	8.48E-09	3.653E-05	2.96E-07	4.64E-04
236	0.001555925	3.06E-07	0.000311185	0.000541	2.51E-08	0.000108165	0.0005	2.84E-08	0.000105111	0.000212	9.85E-09	4.24625E-05	3.70E-07	5.67E-04
237	0.001939605	7.55E-08	0.000387921	0.000616	2.86E-08	0.000123117	0.0007	3.62E-08	0.00013405	0.00025	1.32E-08	5.00893E-05	9.31E-06	9.94E-03
238	0.002246327	8.75E-08	0.000449265	0.000671	3.11E-08	0.000134225	0.0009	4.73E-08	0.000175313	0.000301	1.58E-08	6.01046E-05	2.73E-06	3.39E-03
239	0.002413706	9.40E-08	0.000482741	0.000733	3.40E-08	0.000146555	0.0012	6.31E-08	0.000233869	0.000366	1.92E-08	7.31672E-05	3.96E-06	5.96E-03
240	0.002409495	9.38E-08	0.000481899	0.000815	3.78E-08	0.000162961	0.0016	8.79E-08	0.000325771	0.000453	2.38E-08	9.06514E-05	2.30E-06	3.85E-03
241	0.002250356	8.76E-08	0.000450071	0.000897	4.16E-08	0.000179478	0.0023	1.22E-07	0.000453816	0.000567	2.98E-08	0.000113418	1.62E-06	3.02E-03
242	0.001992475	7.76E-08	0.000398495	0.000994	4.62E-08	0.000198897	0.0031	1.66E-07	0.000615365	0.00071	3.73E-08	0.000142085	1.25E-06	2.61E-03
243	0.000689872	2.69E-08	0.000137974	0.001251	5.26E-08	0.00025028	0.0018	8.76E-08	0.000357992	0.001483	7.07E-08	0.000296615	1.48E-06	1.97E-03
244	0.00057843	2.25E-08	0.000115686	0.001194	5.02E-08	0.000238824	0.0014	6.82E-08	0.000278919	0.001335	6.36E-08	0.000267036	1.19E-06	1.64E-03
245	0.00048927	1.91E-08	9.7854E-05	0.001118	4.71E-08	0.000223687	0.0011	5.36E-08	0.000218903	0.001149	5.47E-08	0.000229719	9.81E-07	1.38E-03
246	0.000417617	1.63E-08	8.35234E-05	0.001032	4.34E-08	0.000206465	0.0009	4.25E-08	0.000173723	0.000962	4.58E-08	0.000192328	8.26E-07	1.17E-03
247	0.000360089	3.58E-10	7.20178E-05	0.000945	1.12E-09	0.000189069	0.0007	9.62E-10	0.000139782	0.000796	1.07E-09	0.000159288	2.32E-08	1.00E-03
248	0.000312491	3.10E-10	6.24983E-05	0.000853	1.01E-09	0.00017064	0.0006	7.84E-10	0.000113858	0.000653	8.76E-10	0.000130635	2.02E-08	8.64E-04
249	0.000274079	2.72E-10	5.48157E-05	0.000769	9.11E-10	0.000153855	0.0005	6.48E-10	9.418E-05	0.000538	7.22E-10	0.000107673	1.77E-08	7.52E-04
250	0.001336971	2.63E-07	0.000267394	0.000494	2.29E-08	9.88742E-05	0.0004	2.07E-08	7.67494E-05	0.00017	7.90E-09	3.40256E-05	3.15E-07	4.77E-04
251	0.001943186	3.82E-07	0.000388637	0.000557	2.58E-08	0.000111335	0.0005	2.56E-08	9.48317E-05	0.000197	9.17E-09	3.94994E-05	4.43E-07	6.34E-04
252	0.002900804	5.71E-07	0.000580161	0.000639	2.97E-08	0.00012781	0.0006	3.27E-08	0.000121003	0.000233	1.08E-08	4.66231E-05	6.44E-07	8.76E-04
253	0.003921105	1.53E-07	0.000784221	0.000732	3.40E-08	0.000146339	0.0008	4.33E-08	0.000160508	0.000281	1.47E-08	5.61355E-05	4.42E-06	5.36E-03
254	0.004303757	1.68E-07	0.000860751	0.000827	3.84E-08	0.000165315	0.0011	5.97E-08	0.000221278	0.000345	1.81E-08	6.90424E-05	1.88E-06	2.93E-03
255	0.004194786	1.63E-07	0.000838957	0.000929	4.31E-08	0.000185777	0.0016	8.59E-08	0.000318342	0.000434	2.28E-08	8.68423E-05	1.13E-06	2.25E-03
256	0.003709064	1.44E-07	0.000741813	0.001086	5.04E-08	0.000217278	0.0026	1.43E-07	0.000529651	0.000568	2.98E-08	0.000113588	4.73E-06	6.83E-03
257	0.003101472	1.21E-07	0.000620294	0.001234	5.73E-08	0.000246893	0.0047	2.55E-07	0.000944144	0.000759	3.99E-08	0.000151815	2.38E-06	4.34E-03
258	0.000541592	2.11E-08	0.000108318	0.001408	5.92E-08	0.000281596	0.0014	6.70E-08	0.000273663	0.001708	8.14E-08	0.00034162	1.08E-06	1.65E-03
259	0.00045404	4.51E-10	9.0808E-05	0.001275	1.51E-09	0.000255025	0.001	1.42E-09	0.000206994	0.001342	1.80E-09	0.000268415	2.95E-08	1.36E-03
260	0.000384841	3.82E-10	7.69681E-05	0.001139	1.35E-09	0.000227764	0.0008	1.10E-09	0.000160167	0.001045	1.40E-09	0.000208943	2.50E-08	1.14E-03

Risk Calculations - DPM - Unmitigated

				Phase -->				1			2			3			4	
No.	X	Y	ELEV	HILL	Group	Grou	eptor ty	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI
261	592315	4140764.85	6.95	8.2	path			0.000454	4.54E-09	9.07054E-05	0.001019	1.25E-08	0.0002037	0.000282993	5.42E-10	5.65987E-05	0.000253	3.61E-10	5.06909E-05
262	590515	4140864.85	3.26	3.26	offsite			0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
263	590615	4140864.85	3.35	3.35	offsite			0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
264	590715	4140864.85	3.94	22.32	Phase5	5	daycare												
265	590815	4140864.85	6.96	22.32	Phase3	3	sidential										0.009233	1.83E-06	0.001846525
266	590915	4140864.85	7.14	7.14	Phase3	3	sidential										0.004884	9.67E-07	0.000976721
267	591015	4140864.85	8.47	9.2	Phase3	3	sidential										0.002909	5.76E-07	0.000581858
268	591115	4140864.85	7.45	9.44	Phase3	3	sidential										0.001985	3.93E-07	0.000397015
269	591215	4140864.85	3.69	9.28	Phase3	3	sidenti										0.001438	2.85E-07	0.000287638
270	591315	4140864.85	7.99	9.89	Phase7	7	daycare												
271	591915	4140864.85	6.17	7.98	path			0.000767	7.67E-09	0.000153339	0.001764	2.16E-08	0.0003529	0.000508784	9.75E-10	0.000101757	0.000366	5.21E-10	7.31822E-05
272	592115	4140864.85	3.1	8.4	path			0.000557	5.58E-09	0.000111404	0.001241	1.52E-08	0.0002482	0.00034461	6.60E-10	6.8922E-05	0.00029	4.13E-10	5.80352E-05
273	590515	4140964.85	3.15	3.15	offsite			0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
274	590615	4140964.85	2.82	22.32	offsite			0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
275	590715	4140964.85	5.28	24.93	Phase5	5	daycare												
276	590815	4140964.85	14.22	22.32	Phase5	5	daycare												
277	590915	4140964.85	3.66	25.03	Phase5	5	daycare												
278	591015	4140964.85	6.91	20.57	Phase3	3	sidential										0.002094	4.15E-07	0.000418764
279	591115	4140964.85	7.74	7.74	Phase3	3	sidential										0.001512	2.99E-07	0.000302442
280	591215	4140964.85	3.8	8.29	Phase7	7	daycare												
281	591315	4140964.85	9.1	9.1	Phase7	7	daycare												
282	591415	4140964.85	9.88	9.88	Phase7	7	daycare												
283	591515	4140964.85	11.54	11.8	Phase8	8	daycare												
284	591615	4140964.85	6.88	13.36	Phase8	8	daycare												
285	591915	4140964.85	3.01	7.86	path			0.000671	6.72E-09	0.000134251	0.001551	1.90E-08	0.0003102	0.000435461	8.34E-10	8.70921E-05	0.00034	4.84E-10	6.79032E-05
286	592015	4140964.85	3.56	3.56	offsite			0.000578	1.54E-07	0.000115561	0.001313	4.80E-07	0.0002625	0.000360825	2.36E-08	7.21649E-05	0.000303	1.69E-08	6.06409E-05
287	590515	4141064.85	2.84	2.84	offsite			0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
288	590615	4141064.85	3.23	22.82	offsite			0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
289	590715	4141064.85	10.68	24.93	Phase5	5	daycare												
290	590815	4141064.85	20.83	20.83	Phase5	5	daycare												
291	590915	4141064.85	17.41	25.03	Phase5	5	daycare												
292	591015	4141064.85	16.46	19.95	Phase5	5	daycare												
293	591115	4141064.85	2.87	23.21	offsite			0.001296	3.45E-07	0.000259272	0.005497	2.01E-06	0.0010994	0.010474215	6.84E-07	0.002094843	0.001204	6.73E-08	0.00024086
294	591215	4141064.85	7.93	7.93	Phase7	7	daycare												
295	591315	4141064.85	11.36	11.36	Phase7	7	daycare												
296	591415	4141064.85	13.73	13.73	Phase7	7	daycare												
297	591515	4141064.85	13.96	13.96	Phase8	8	daycare												
298	591615	4141064.85	12.71	12.71	Phase8	8	daycare												
299	591715	4141064.85	8.85	12.15	Phase8	8	daycare												
300	591815	4141064.85	3.01	7.76	path			0.000671	6.72E-09	0.000134223	0.00162	1.99E-08	0.0003241	0.000462164	8.85E-10	9.24328E-05	0.000357	5.08E-10	7.13919E-05
301	591915	4141064.85	3.61	7.87	offsite			0.000585	1.56E-07	0.000116987	0.001376	5.03E-07	0.0002751	0.000381105	2.49E-08	7.6221E-05	0.000318	1.78E-08	6.35941E-05
302	592015	4141064.85	3.59	3.59	offsite			0.000513	1.37E-07	0.000102688	0.001185	4.34E-07	0.0002371	0.000321371	2.10E-08	6.42742E-05	0.000286	1.60E-08	5.71859E-05
303	592115	4141064.85	3.61	3.61	offsite			0.000454	1.21E-07	9.08788E-05	0.001035	3.79E-07	0.0002071	0.000276096	1.80E-08	5.52192E-05	0.000259	1.45E-08	5.18635E-05
304	592215	4141064.85	3.94	3.94	offsite			0.000406	1.08E-07	8.11056E-05	0.000915	3.35E-07	0.000183	0.000240961	1.57E-08	4.81922E-05	0.000237	1.32E-08	4.74E-05
305	592315	4141064.85	2.72	2.72	offsite			0.000364	9.70E-08	7.28876E-05	0.000817	2.99E-07	0.0001634	0.000212882	1.39E-08	4.25763E-05	0.000218	1.22E-08	4.35686E-05
306	590515	4141164.85	2.7	2.7	offsite			0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
307	590615	4141164.85	2.75	24.16	offsite			0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
308	590715	4141164.85	16.6	22.82	Phase5	5	daycare												
309	590815	4141164.85	22.41	22.71	Phase5	5	daycare												
310	590915	4141164.85	18.39	18.39	Phase5	5	daycare												
311	591015	4141164.85	11.27	23.89	Phase5	5	daycare												
312	591115	4141164.85	6.07	19.25	Phase6	6	daycare												
313	591215	4141164.85	9.88	11.06	Phase6	6	daycare												
314	591315	4141164.85	12.75	12.75	Phase7	7	daycare												
315	591415	4141164.85	14.9	14.9	Phase8	8	daycare												
316	591515	4141164.85	14.62	14.62	Phase8	8	daycare												
317	591615	4141164.85	11.03	11.03	Phase8	8	daycare												
318	591715	4141164.85	3.59	10.93	path			0.000651	6.52E-09	0.000130223	0.001648	2.02E-08	0.0003296	0.000492869	9.44E-10	9.85739E-05	0.000374	5.33E-10	7.47794E-05
319	591815	4141164.85	7.42	7.42	path			0.000569	5.69E-09	0.000113787	0.001409	1.73E-08	0.0002819	0.000404328	7.75E-10	8.08656E-05	0.000332	4.73E-10	6.63735E-05
320	591915	4141164.85	4.1	4.1	offsite			0.000513	1.37E-07	0.000102666	0.001225	4.48E-07	0.0002449	0.000340592	2.22E-08	6.81183E-05	0.000299	1.67E-08	5.97772E-05
321	592015	4141164.85	3.19	3.19	offsite			0.000458	1.22E-07	9.16004E-05	0.001073	3.93E-07	0.0002146	0.000291504	1.90E-08	5.83008E-05	0.000271	1.51E-08	5.41073E-05
322	592115	4141164.85	3.59	3.59	offsite			0.000411	1.09E-07	8.22412E-05	0.00095	3.48E-07	0.00019	0.000253585	1.66E-08	5.0717E-05	0.000247	1.38E-08	4.93688E-05
323	592215	4141164.85	3.22	3.22	offsite			0.000371	9.89E-08	7.42582E-05	0.000849	3.11E-07	0.0001698	0.000223449	1.46E-08	4.46898E-05	0.000227	1.27E-08	4.53251E-05
324	592315	4141164.85	3.8	3.8	offsite			0.000338	8.99E-08	6.75116E-05	0.000766	2.80E-07	0.0001531	0.000199309	1.30E-08	3.98617E-05	0.000209	1.17E-08	4.18846E-05
325	590515	4141264.85	2.25	2.25	offsite			0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0

	5			6			7			8			SUM OF RISK	
No.	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	Res Risk	HI
261	0.000330496	3.28E-10	6.60992E-05	0.001014	1.20E-09	0.000202752	0.0006	8.73E-10	0.000126863	0.000819	1.10E-09	0.00016381	2.14E-08	9.61E-04
262	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
263	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
264				0.000785	1.28E-07	0.000157036	0.0007	3.02E-08	0.000137954	0.000254	1.08E-08	5.08279E-05	1.69E-07	3.46E-04
265	0.012059426	4.70E-07	0.002411885	0.000919	4.27E-08	0.000183818	0.001	5.15E-08	0.000190668	0.000312	1.64E-08	6.24806E-05	2.41E-06	4.70E-03
266	0.009662399	3.76E-07	0.00193248	0.001099	5.10E-08	0.000219764	0.0014	7.65E-08	0.000283327	0.000395	2.08E-08	7.90493E-05	1.49E-06	3.49E-03
267	0.007644045	2.98E-07	0.001528809	0.001298	6.02E-08	0.000259507	0.0023	1.25E-07	0.000464395	0.000519	2.73E-08	0.000103784	1.09E-06	2.94E-03
268	0.005603807	2.18E-07	0.001120761	0.001556	7.22E-08	0.000311201	0.0045	2.44E-07	0.000905261	0.000713	3.75E-08	0.000142692	9.65E-07	2.88E-03
269	0.004009386	1.56E-07	0.000801877	0.001853	8.60E-08	0.000370653	0.0122	6.56E-07	0.002431046	0.001034	5.43E-08	0.000206822	1.24E-06	4.10E-03
270										0.001613	2.74E-07	0.000322664	2.74E-07	3.23E-04
271	0.000597976	5.94E-10	0.000119595	0.00184	2.18E-09	0.000367978	0.0017	2.38E-09	0.000345172	0.002843	3.81E-09	0.000568622	3.97E-08	2.08E-03
272	0.000409725	4.07E-10	8.19451E-05	0.001405	1.66E-09	0.00028107	0.0009	1.26E-09	0.000182335	0.001422	1.91E-09	0.000284472	2.71E-08	1.32E-03
273	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
274	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
275				0.000945	1.54E-07	0.000189042	0.0008	3.39E-08	0.000154844	0.000276	1.18E-08	5.52663E-05	2.00E-07	3.99E-04
276				0.001053	1.72E-07	0.000210657	0.0011	4.64E-08	0.000211934	0.000341	1.45E-08	6.81838E-05	2.33E-07	4.91E-04
277				0.001509	2.46E-07	0.000301726	0.0017	7.54E-08	0.000344505	0.000447	1.91E-08	8.93677E-05	3.41E-07	7.36E-04
278	0.016963614	6.61E-07	0.003392723	0.00193	8.96E-08	0.000385948	0.0031	1.69E-07	0.000627078	0.00061	3.20E-08	0.000121937	1.37E-06	4.95E-03
279	0.007974607	3.11E-07	0.001594921	0.002501	1.16E-07	0.000500217	0.0075	4.06E-07	0.00150471	0.000888	4.67E-08	0.00017762	1.18E-06	4.08E-03
280										0.001415	2.40E-07	0.000283058	2.40E-07	2.83E-04
281										0.00261	4.43E-07	0.000521997	4.43E-07	5.22E-04
282										0.006169	1.05E-06	0.001233763	1.05E-06	1.23E-03
283														
284														
285	0.000527384	5.24E-10	0.000105477	0.002123	2.51E-09	0.000424533	0.0014	1.99E-09	0.000288623	0.003262	4.37E-09	0.000652486	3.64E-08	2.07E-03
286	0.000433997	1.69E-08	8.67993E-05	0.001781	7.49E-08	0.000356138	0.001	5.02E-08	0.000205063	0.002017	9.61E-08	0.000403351	9.13E-07	1.56E-03
287	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
288	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
289				0.001089	1.78E-07	0.00021771	0.0008	3.70E-08	0.000168745	0.000299	1.27E-08	5.97721E-05	2.27E-07	4.46E-04
290				0.001149	1.88E-07	0.000229765	0.0012	5.38E-08	0.000245579	0.000357	1.52E-08	7.13279E-05	2.57E-07	5.47E-04
291				0.00173	2.83E-07	0.000345941	0.002	8.64E-08	0.000394733	0.000486	2.07E-08	9.71081E-05	3.90E-07	8.38E-04
292				0.002565	4.19E-07	0.000513005	0.0036	1.59E-07	0.000728104	0.000683	2.91E-08	0.00013654	6.07E-07	1.38E-03
293	0.010362152	4.04E-07	0.00207243	0.005384	2.27E-07	0.001076887	0.0109	5.34E-07	0.002182164	0.001065	5.07E-08	0.000213026	4.32E-06	9.24E-03
294										0.001872	3.18E-07	0.000374336	3.18E-07	3.74E-04
295										0.004189	7.11E-07	0.000837737	7.11E-07	8.38E-04
296										0.01627	2.76E-06	0.003254095	2.76E-06	3.25E-03
297														
298														
299														
300	0.000563294	5.60E-10	0.000112659	0.002928	3.47E-09	0.000585677	0.0017	2.29E-09	0.000332584	0.006487	8.70E-09	0.001297485	4.30E-08	2.95E-03
301	0.000457488	1.78E-08	9.14977E-05	0.002331	9.80E-08	0.000466104	0.0011	5.56E-08	0.000227334	0.002975	1.42E-07	0.000595019	1.01E-06	1.91E-03
302	0.000380083	1.48E-08	7.60165E-05	0.001861	7.83E-08	0.000372244	0.0008	4.05E-08	0.00016542	0.001726	8.22E-08	0.000345181	8.23E-07	1.42E-03
303	0.000322041	1.25E-08	6.44081E-05	0.0015	6.31E-08	0.00029993	0.0006	3.09E-08	0.000126142	0.001119	5.33E-08	0.000223877	6.92E-07	1.12E-03
304	0.000277527	1.08E-08	5.55054E-05	0.001222	5.14E-08	0.000244386	0.0005	2.44E-08	9.97618E-05	0.000781	3.72E-08	0.000156207	5.96E-07	9.16E-04
305	0.000242397	9.44E-09	4.84794E-05	0.001005	4.23E-08	0.000201072	0.0004	1.99E-08	8.11636E-05	0.000574	2.74E-08	0.000114872	5.21E-07	7.68E-04
306	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
307	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
308				0.001232	2.01E-07	0.000246472	0.001	4.29E-08	0.00019612	0.000321	1.37E-08	6.41221E-05	2.58E-07	5.07E-04
309				0.001476	2.41E-07	0.000295164	0.0015	6.39E-08	0.000291954	0.000416	1.77E-08	8.31552E-05	3.23E-07	6.70E-04
310				0.0025	4.08E-07	0.000500043	0.0022	9.84E-08	0.000449146	0.00055	2.35E-08	0.000110072	5.30E-07	1.06E-03
311				0.005246	8.57E-07	0.001049147	0.0033	1.46E-07	0.000666064	0.000776	3.31E-08	0.00015519	1.04E-06	1.87E-03
312							0.0071	1.18E-06	0.001418372	0.001199	5.11E-08	0.000239859	1.23E-06	1.66E-03
313							0.0194	3.24E-06	0.0038885	0.002181	9.30E-08	0.000436179	3.33E-06	4.32E-03
314										0.005953	1.01E-06	0.001190513	1.01E-06	1.19E-03
315														
316														
317														
318	0.000599535	5.96E-10	0.000119907	0.004368	5.17E-09	0.000873535	0.0019	2.57E-09	0.000372997	0.011054	1.48E-08	0.002210858	5.13E-08	4.21E-03
319	0.00048103	4.78E-10	9.6206E-05	0.003221	3.81E-09	0.00064426	0.0012	1.72E-09	0.000249338	0.004252	5.70E-09	0.000850493	3.59E-08	2.38E-03
320	0.000397159	1.55E-08	7.94317E-05	0.002388	1.00E-07	0.000477596	0.0009	4.37E-08	0.000178506	0.002169	1.03E-07	0.000433702	8.87E-07	1.64E-03
321	0.000334541	1.30E-08	6.69082E-05	0.001826	7.68E-08	0.000365212	0.0007	3.29E-08	0.000134632	0.001305	6.22E-08	0.000260967	7.34E-07	1.25E-03
322	0.000287176	1.12E-08	5.74352E-05	0.001431	6.02E-08	0.000286226	0.0005	2.59E-08	0.000105694	0.000872	4.15E-08	0.000174358	6.26E-07	9.96E-04
323	0.000250238	9.75E-09	5.00477E-05	0.001143	4.81E-08	0.00022857	0.0004	2.09E-08	8.55416E-05	0.000624	2.97E-08	0.000124864	5.45E-07	8.23E-04
324	0.000221077	8.61E-09	4.42153E-05	0.000931	3.91E-08	0.000186109	0.0004	1.74E-08	7.10167E-05	0.000471	2.24E-08	9.41428E-05	4.82E-07	6.98E-04
325	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00

				Phase -->			1			2			3			4		
No.	X	Y	ELEV	HILL	Group	Grou eptor ty	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI
326	590615	4141264.85	3.09	23.1	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
327	590715	4141264.85	13.36	23.1	offsite		0.000919	2.45E-07	0.000183772	0.002714	9.93E-07	0.0005427	0.001542202	1.01E-07	0.00030844	0.00123	6.87E-08	0.000246086
328	590815	4141264.85	5.95	25.03	offsite		0.00076	2.02E-07	0.000151991	0.002633	9.63E-07	0.0005265	0.001591353	1.04E-07	0.000318271	0.001223	6.83E-08	0.000244561
329	590915	4141264.85	15.4	17.5	offsite		0.000939	2.50E-07	0.000187861	0.002934	1.07E-06	0.0005867	0.001786944	1.17E-07	0.000357389	0.000892	4.98E-08	0.000178458
330	591015	4141264.85	2.13	25.03	offsite		0.0008	2.13E-07	0.000159968	0.002752	1.01E-06	0.0005505	0.001753596	1.14E-07	0.000350719	0.000923	5.16E-08	0.000184683
331	591115	4141264.85	3.47	21.24	Phase6	6 daycare												
332	591215	4141264.85	10.44	15.68	Phase6	6 daycare												
333	591315	4141264.85	13.12	13.12	Phase6	6 daycare												
334	591415	4141264.85	13.64	13.64	Phase6	6 daycare												
335	591515	4141264.85	12.2	12.2	Phase8	8 daycare												
336	591615	4141264.85	4.94	12.73	path		0.000613	6.14E-09	0.000122626	0.001619	1.98E-08	0.0003238	0.000518781	9.94E-10	0.000103756	0.000387	5.51E-10	7.74285E-05
337	591715	4141264.85	2.72	7.81	path		0.000557	5.57E-09	0.000111359	0.001411	1.73E-08	0.0002823	0.000427551	8.19E-10	8.55102E-05	0.000345	4.91E-10	6.89792E-05
338	591815	4141264.85	3.57	3.57	offsite		0.000503	1.34E-07	0.000100596	0.001238	4.53E-07	0.0002476	0.000359733	2.35E-08	7.19466E-05	0.00031	1.73E-08	6.20258E-05
339	591915	4141264.85	2.95	2.95	offsite		0.000454	1.21E-07	9.07893E-05	0.001093	4.00E-07	0.0002185	0.00030764	2.01E-08	6.1528E-05	0.000281	1.57E-08	5.61581E-05
340	592015	4141264.85	3.6	3.6	offsite		0.000411	1.09E-07	8.21965E-05	0.000973	3.56E-07	0.0001945	0.000267221	1.74E-08	5.34443E-05	0.000256	1.43E-08	5.12314E-05
341	592115	4141264.85	3.45	3.45	offsite		0.000373	9.94E-08	7.46722E-05	0.000872	3.19E-07	0.0001744	0.000234997	1.53E-08	4.69994E-05	0.000235	1.31E-08	4.70091E-05
342	592215	4141264.85	3.63	3.63	offsite		0.000341	9.08E-08	6.81661E-05	0.000788	2.88E-07	0.0001576	0.000209069	1.36E-08	4.18138E-05	0.000217	1.21E-08	4.33949E-05
343	592315	4141264.85	3.44	3.44	offsite		0.000313	8.32E-08	6.25159E-05	0.000717	2.62E-07	0.0001434	0.000187792	1.23E-08	3.75584E-05	0.000201	1.12E-08	4.02487E-05
344	592415	4141264.85	2.71	2.71	offsite		0.000288	7.67E-08	5.75761E-05	0.000656	2.40E-07	0.0001312	0.000170074	1.11E-08	3.40149E-05	0.000187	1.05E-08	3.74886E-05
345	590515	4141364.85	1.72	1.72	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
346	590615	4141364.85	2.52	2.52	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
347	590715	4141364.85	2.48	23.1	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
348	590815	4141364.85	2.01	23.27	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
349	590915	4141364.85	2.15	21.94	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
350	591015	4141364.85	7.27	21.94	Phase6	6 daycare												
351	591115	4141364.85	18.02	21.12	Phase6	6 daycare												
352	591215	4141364.85	16.43	16.43	Phase6	6 daycare												
353	591315	4141364.85	15.84	15.84	Phase6	6 daycare												
354	591415	4141364.85	13.12	14.84	Phase6	6 daycare												
355	591515	4141364.85	2.61	14.87	Phase6	6 daycare												
356	591615	4141364.85	2.71	2.71	path		0.000525	5.26E-09	0.000105083	0.001372	1.68E-08	0.0002745	0.000440444	8.44E-10	8.80888E-05	0.000353	5.03E-10	7.05861E-05
357	591715	4141364.85	3.07	6.75	offsite		0.000484	1.29E-07	9.6708E-05	0.001223	4.48E-07	0.0002447	0.000373354	2.44E-08	7.46707E-05	0.000318	1.78E-08	6.36423E-05
358	591815	4141364.85	3.97	3.97	offsite		0.000443	1.18E-07	8.86075E-05	0.001093	4.00E-07	0.0002186	0.000320865	2.09E-08	6.4173E-05	0.000289	1.61E-08	5.77795E-05
359	591915	4141364.85	3.93	3.93	offsite		0.000405	1.08E-07	8.10385E-05	0.00098	3.59E-07	0.000196	0.000279149	1.82E-08	5.58298E-05	0.000264	1.47E-08	5.2761E-05
360	592015	4141364.85	3.18	3.18	offsite		0.000371	9.88E-08	7.41743E-05	0.000883	3.23E-07	0.0001767	0.000245565	1.60E-08	4.91129E-05	0.000242	1.35E-08	4.84375E-05
361	592115	4141364.85	3.14	3.14	offsite		0.00034	9.07E-08	6.80878E-05	0.000801	2.93E-07	0.0001602	0.000218371	1.43E-08	4.36742E-05	0.000224	1.25E-08	4.47171E-05
362	592215	4141364.85	3.18	3.18	offsite		0.000314	8.35E-08	6.27229E-05	0.000731	2.67E-07	0.0001462	0.000196002	1.28E-08	3.92005E-05	0.000207	1.16E-08	4.14841E-05
363	592315	4141364.85	3.52	3.52	offsite		0.00029	7.72E-08	5.80125E-05	0.000671	2.45E-07	0.0001341	0.000177446	1.16E-08	3.54892E-05	0.000193	1.08E-08	3.8666E-05
364	592415	4141364.85	3.81	3.81	offsite		0.000269	7.17E-08	5.38616E-05	0.000619	2.26E-07	0.0001237	0.000161848	1.06E-08	3.23697E-05	0.000181	1.01E-08	3.61809E-05
365	592515	4141364.85	2.85	2.85	offsite		0.000251	6.68E-08	5.01414E-05	0.000573	2.10E-07	0.0001146	0.000148449	9.69E-09	2.96899E-05	0.00017	9.48E-09	3.39468E-05
366	590615	4141464.85	3.11	11.59	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
367	590715	4141464.85	2.8	2.8	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
368	590815	4141464.85	1.88	1.88	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
369	590915	4141464.85	1.9	21.94	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
370	591015	4141464.85	15.33	21.94	Phase6	6 daycare												
371	591115	4141464.85	18.25	18.25	Phase6	6 daycare												
372	591215	4141464.85	18.08	18.08	Phase6	6 daycare												
373	591315	4141464.85	14.98	14.98	Phase6	6 daycare												
374	591415	4141464.85	9.35	11.15	Phase6	6 daycare												
375	591515	4141464.85	2.71	12.32	path		0.000487	4.87E-09	9.73681E-05	0.0013	1.59E-08	0.0002601	0.00043777	8.39E-10	8.75541E-05	0.000356	5.07E-10	7.11989E-05
376	591615	4141464.85	2.74	6.86	offsite		0.000457	1.22E-07	9.13767E-05	0.001182	4.33E-07	0.0002365	0.000377071	2.46E-08	7.54142E-05	0.000322	1.80E-08	6.4482E-05
377	591715	4141464.85	1.12	1.12	offsite		0.000425	1.13E-07	8.49657E-05	0.00107	3.92E-07	0.0002141	0.00032686	2.13E-08	6.53721E-05	0.000293	1.64E-08	5.8648E-05
378	591815	4141464.85	3.94	3.94	offsite		0.000394	1.05E-07	7.88511E-05	0.000972	3.56E-07	0.0001944	0.000286663	1.87E-08	5.73327E-05	0.000269	1.50E-08	5.37937E-05
379	591915	4141464.85	4.04	4.04	offsite		0.000364	9.71E-08	7.28988E-05	0.000883	3.23E-07	0.0001766	0.000253332	1.65E-08	5.06664E-05	0.000248	1.38E-08	4.95039E-05
380	592015	4141464.85	3.84	3.84	offsite		0.000337	8.97E-08	6.74053E-05	0.000805	2.95E-07	0.0001611	0.000225838	1.47E-08	4.51676E-05	0.000229	1.28E-08	4.5769E-05
381	592115	4141464.85	3.81	3.81	offsite		0.000312	8.31E-08	6.2432E-05	0.000738	2.70E-07	0.0001476	0.000202995	1.33E-08	4.05989E-05	0.000213	1.19E-08	4.2507E-05
382	592215	4141464.85	3.84	3.84	offsite		0.00029	7.72E-08	5.79677E-05	0.000679	2.48E-07	0.0001358	0.000183869	1.20E-08	3.67738E-05	0.000198	1.11E-08	3.96407E-05
383	592315	4141464.85	3.78	3.78	offsite		0.00027	7.19E-08	5.3979E-05	0.000628	2.30E-07	0.0001255	0.00016767	1.09E-08	3.3534E-05	0.000186	1.04E-08	3.71026E-05
384	592415	4141464.85	3.46	3.46	offsite		0.000252	6.71E-08	5.04155E-05	0.000583	2.13E-07	0.0001165	0.000153844	1.00E-08	3.07687E-05	0.000174	9.73E-09	3.48395E-05
385	590815	4141564.85	2.51	11.72	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
386	590915	4141564.85	2.47	21.94	offsite		0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0
387	591015	4141564.85	2.02	21.94	Phase6	6 daycare												
388	591115	4141564.85	12.39	21.53	Phase6	6 daycare												
389	591215	4141564.85	14.73	14.73	Phase6	6 daycare												
390	591315	4141564.85	11.93	12.68	Phase6	6 daycare												

Risk Calculations - DPM - Unmitigated

	5			6			7			8			SUM OF RISK	
No.	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	Res Risk	HI
326	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
327	0.026013663	1.01E-06	0.005202733	0.001582	6.66E-08	0.000316421	0.0009	4.52E-08	0.000184736	0.000341	1.62E-08	6.81901E-05	2.55E-06	7.05E-03
328	0.02699328	1.05E-06	0.005398656	0.002587	1.09E-07	0.000517408	0.0012	5.79E-08	0.000236759	0.000432	2.06E-08	8.63014E-05	2.58E-06	7.48E-03
329	0.028522033	1.11E-06	0.005704407	0.0041	1.72E-07	0.000819961	0.0019	9.43E-08	0.000385615	0.000583	2.78E-08	0.000116554	2.90E-06	8.34E-03
330	0.01341019	5.22E-07	0.002682038	0.011491	4.83E-07	0.002298123	0.0025	1.20E-07	0.000492301	0.000798	3.80E-08	0.000159692	2.55E-06	6.88E-03
331							0.0037	6.24E-07	0.000749185	0.001201	5.12E-08	0.00024013	6.76E-07	9.89E-04
332							0.0054	8.97E-07	0.001076999	0.002033	8.67E-08	0.000406695	9.84E-07	1.48E-03
333							0.0062	1.04E-06	0.001247605	0.004227	1.80E-07	0.000845429	1.22E-06	2.09E-03
334							0.0047	7.80E-07	0.000936381	0.011075	4.72E-07	0.002214976	1.25E-06	3.15E-03
335														
336	0.000638727	6.35E-10	0.000127745	0.007795	9.23E-09	0.001559066	0.002	2.69E-09	0.000390059	0.013249	1.78E-08	0.002649872	5.78E-08	5.35E-03
337	0.000508368	5.05E-10	0.000101674	0.004661	5.52E-09	0.000932266	0.0013	1.83E-09	0.000265399	0.004815	6.45E-09	0.000963037	3.85E-08	2.81E-03
338	0.000417037	1.62E-08	8.34073E-05	0.003149	1.32E-07	0.00062985	0.001	4.68E-08	0.000191214	0.002484	1.18E-07	0.000496751	9.42E-07	1.88E-03
339	0.00034976	1.36E-08	6.99521E-05	0.00225	9.47E-08	0.000450035	0.0007	3.52E-08	0.000144058	0.001465	6.98E-08	0.000293023	7.70E-07	1.38E-03
340	0.000299245	1.17E-08	5.9849E-05	0.001682	7.08E-08	0.000336471	0.0006	2.76E-08	0.000112772	0.000958	4.56E-08	0.000191638	6.53E-07	1.08E-03
341	0.000260036	1.01E-08	5.20073E-05	0.001297	5.46E-08	0.000259491	0.0005	2.23E-08	9.09515E-05	0.000675	3.22E-08	0.000135082	5.66E-07	8.81E-04
342	0.000229101	8.92E-09	4.58201E-05	0.001028	4.33E-08	0.000205675	0.0004	1.84E-08	7.52136E-05	0.000504	2.40E-08	0.000100705	4.99E-07	7.38E-04
343	0.000204183	7.95E-09	4.08366E-05	0.000834	3.51E-08	0.000166748	0.0003	1.55E-08	6.34856E-05	0.000391	1.86E-08	7.82812E-05	4.46E-07	6.33E-04
344	0.000183708	7.15E-09	3.67417E-05	0.00069	2.90E-08	0.000137907	0.0003	1.33E-08	5.45094E-05	0.000314	1.50E-08	6.28594E-05	4.03E-07	5.52E-04
345	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
346	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
347	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
348	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
349	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
350							0.0018	2.92E-07	0.00035044	0.000769	3.28E-08	0.000153814	3.25E-07	5.04E-04
351							0.0025	4.16E-07	0.000498888	0.001183	5.04E-08	0.000236578	4.66E-07	7.35E-04
352							0.0026	4.26E-07	0.000510619	0.001666	7.10E-08	0.000333212	4.97E-07	8.44E-04
353							0.0025	4.12E-07	0.000494338	0.002499	1.07E-07	0.000499853	5.19E-07	9.94E-04
354							0.0022	3.71E-07	0.000445256	0.003651	1.56E-07	0.000730283	5.27E-07	1.18E-03
355							0.0018	2.95E-07	0.000354172	0.004512	1.92E-07	0.000902392	4.88E-07	1.26E-03
356	0.000540299	5.37E-10	0.00010806	0.007689	9.10E-09	0.001537835	0.0013	1.81E-09	0.000263344	0.003694	4.95E-09	0.000738777	3.98E-08	3.19E-03
357	0.000441291	1.72E-08	8.82582E-05	0.004285	1.80E-07	0.000856997	0.001	4.83E-08	0.00019746	0.002324	1.11E-07	0.000464716	9.75E-07	2.09E-03
358	0.000369124	1.44E-08	7.38248E-05	0.002806	1.18E-07	0.00056117	0.0008	3.71E-08	0.000151619	0.0015	7.14E-08	0.000299957	7.96E-07	1.52E-03
359	0.00031458	1.23E-08	6.29161E-05	0.001979	8.33E-08	0.000395802	0.0006	2.92E-08	0.000119482	0.001015	4.83E-08	0.000202967	6.73E-07	1.17E-03
360	0.000272388	1.06E-08	5.44775E-05	0.001467	6.17E-08	0.000293489	0.0005	2.36E-08	9.65274E-05	0.000722	3.44E-08	0.000144432	5.82E-07	9.37E-04
361	0.000239263	9.32E-09	4.78527E-05	0.001132	4.76E-08	0.000226326	0.0004	1.95E-08	7.97847E-05	0.000539	2.57E-08	0.00010774	5.13E-07	7.78E-04
362	0.000212688	8.28E-09	4.25376E-05	0.0009	3.78E-08	0.000179904	0.0003	1.65E-08	6.72421E-05	0.000418	1.99E-08	8.35656E-05	4.58E-07	6.63E-04
363	0.000191086	7.44E-09	3.82172E-05	0.000733	3.08E-08	0.000146655	0.0003	1.41E-08	5.76382E-05	0.000335	1.59E-08	6.69232E-05	4.13E-07	5.76E-04
364	0.000173214	6.75E-09	3.46428E-05	0.000611	2.57E-08	0.000122111	0.0003	1.23E-08	5.01283E-05	0.000275	1.31E-08	5.50054E-05	3.77E-07	5.08E-04
365	0.000158078	6.16E-09	3.16155E-05	0.000518	2.18E-08	0.000103588	0.0002	1.08E-08	4.4118E-05	0.000231	1.10E-08	4.61644E-05	3.45E-07	4.54E-04
366	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
367	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
368	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
369	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
370							0.0013	2.23E-07	0.000267873	0.000716	3.05E-08	0.00014319	2.54E-07	4.11E-04
371							0.0016	2.64E-07	0.000316683	0.001008	4.30E-08	0.000201525	3.07E-07	5.18E-04
372							0.0015	2.57E-07	0.000308437	0.001295	5.52E-08	0.000258978	3.12E-07	5.67E-04
373							0.0014	2.39E-07	0.000287301	0.001529	6.52E-08	0.000305719	3.05E-07	5.93E-04
374							0.0014	2.29E-07	0.000274689	0.001783	7.60E-08	0.00035668	3.05E-07	6.31E-04
375	0.000573191	5.69E-10	0.000114638	0.012116	1.43E-08	0.002423121	0.0012	1.60E-09	0.000232188	0.001876	2.51E-09	0.0003751	4.12E-08	3.66E-03
376	0.000467883	1.82E-08	9.35767E-05	0.005844	2.46E-07	0.001168704	0.0009	4.62E-08	0.000188659	0.001675	7.98E-08	0.000335049	9.87E-07	2.25E-03
377	0.000389947	1.52E-08	7.79894E-05	0.003462	1.46E-07	0.000692435	0.0008	3.70E-08	0.000151332	0.00131	6.24E-08	0.000262015	8.03E-07	1.61E-03
378	0.000332336	1.29E-08	6.64672E-05	0.002319	9.76E-08	0.000463771	0.0006	3.00E-08	0.000122572	0.000985	4.69E-08	0.000197051	6.82E-07	1.23E-03
379	0.000287159	1.12E-08	5.74318E-05	0.001655	6.96E-08	0.000330973	0.0005	2.46E-08	0.000100395	0.000738	3.52E-08	0.000147665	5.91E-07	9.86E-04
380	0.000251532	9.80E-09	5.03063E-05	0.001242	5.22E-08	0.000248331	0.0004	2.04E-08	8.35382E-05	0.000564	2.69E-08	0.000112782	5.21E-07	8.14E-04
381	0.000223	8.69E-09	4.45999E-05	0.000968	4.07E-08	0.000193624	0.0004	1.73E-08	7.06304E-05	0.000442	2.10E-08	8.83617E-05	4.66E-07	6.90E-04
382	0.000199773	7.78E-09	3.99546E-05	0.000778	3.27E-08	0.000155656	0.0003	1.48E-08	6.05981E-05	0.000355	1.69E-08	7.09996E-05	4.21E-07	5.97E-04
383	0.000180591	7.03E-09	3.61183E-05	0.000642	2.70E-08	0.000128332	0.0003	1.29E-08	5.26809E-05	0.000292	1.39E-08	5.83642E-05	3.84E-07	5.26E-04
384	0.000164527	6.41E-09	3.29054E-05	0.00054	2.27E-08	0.00010807	0.0002	1.13E-08	4.63387E-05	0.000245	1.17E-08	4.89402E-05	3.52E-07	4.69E-04
385	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
386	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0	0.00E+00	0	0.00E+00	0.00E+00
387							0.0009	1.51E-07	0.000180766	0.000583	2.49E-08	0.00011668	1.76E-07	2.97E-04
388							0.001	1.62E-07	0.000194578	0.000719	3.06E-08	0.000143716	1.93E-07	3.38E-04
389							0.001	1.66E-07	0.000198821	0.000868	3.70E-08	0.000173674	2.03E-07	3.72E-04
390							0.001	1.64E-07	0.000196856	0.000979	4.18E-08	0.000195849	2.06E-07	3.93E-04

Risk Calculations - DPM - Unmitigated

				Phase -->			1			2			3			4		
No.	X	Y	ELEV	HILL	Group	Group eptor ty	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI
391	591415	4141564.85	4.46	12.44	path		0.000446	4.46E-09	8.91166E-05	0.001207	1.48E-08	0.0002415	0.000419467	8.04E-10	8.38934E-05	0.000354	5.05E-10	7.08708E-05
392	591515	4141564.85	4.3	6.63	path		0.000426	4.26E-09	8.51447E-05	0.001122	1.37E-08	0.0002243	0.000369889	7.09E-10	7.39778E-05	0.000323	4.60E-10	6.45929E-05
393	591615	4141564.85	1.35	1.35	offsite		0.000402	1.07E-07	8.04679E-05	0.001032	3.78E-07	0.0002064	0.000325547	2.13E-08	6.51095E-05	0.000295	1.65E-08	5.90003E-05
394	591715	4141564.85	1.18	1.18	offsite		0.000378	1.01E-07	7.56009E-05	0.000948	3.47E-07	0.0001896	0.00028804	1.88E-08	5.76079E-05	0.000271	1.51E-08	5.4199E-05
395	591815	4141564.85	1.57	1.57	offsite		0.000354	9.41E-08	7.07115E-05	0.00087	3.18E-07	0.000174	0.000256432	1.67E-08	5.12865E-05	0.00025	1.40E-08	5.0025E-05
396	591915	4141564.85	1.59	1.59	offsite		0.00033	8.78E-08	6.59619E-05	0.000799	2.92E-07	0.0001598	0.000229761	1.50E-08	4.59522E-05	0.000232	1.29E-08	4.63577E-05
397	592015	4141564.85	1.72	1.72	offsite		0.000308	8.19E-08	6.15033E-05	0.000736	2.69E-07	0.0001472	0.000207266	1.35E-08	4.14532E-05	0.000216	1.20E-08	4.31343E-05
398	592115	4141564.85	2.21	2.21	offsite		0.000287	7.65E-08	5.74195E-05	0.00068	2.49E-07	0.0001361	0.000188251	1.23E-08	3.76502E-05	0.000202	1.13E-08	4.03018E-05
399	592215	4141564.85	1.88	1.88	offsite		0.000268	7.14E-08	5.36602E-05	0.000631	2.31E-07	0.0001262	0.000171925	1.12E-08	3.4385E-05	0.000189	1.05E-08	3.77492E-05
400	592315	4141564.85	3.97	3.97	offsite		0.000252	6.71E-08	5.03763E-05	0.000588	2.15E-07	0.0001176	0.000158241	1.03E-08	3.16483E-05	0.000178	9.93E-09	3.55584E-05
401	590915	4141664.85	3.72	10.08	~~offsite~~	-												
402	591015	4141664.85	1.16	21.94	Phase6	6 daycare												
403	591115	4141664.85	0.27	21.94	Phase6	6 daycare												
404	591215	4141664.85	1.69	17.36	Phase6	6 daycare												
405	591315	4141664.85	1.94	13.61	Phase6	6 daycare												
406	591415	4141664.85	2.71	6.63	path		0.000392	3.92E-09	7.84204E-05	0.001044	1.28E-08	0.0002088	0.000351982	6.74E-10	7.03963E-05	0.000319	4.55E-10	6.38884E-05
407	591515	4141664.85	1.22	6.65	offsite		0.000376	1.00E-07	7.52652E-05	0.000979	3.58E-07	0.0001958	0.000316451	2.07E-08	6.32903E-05	0.000294	1.64E-08	5.87397E-05
408	591615	4141664.85	0.58	0.58	offsite		0.000359	9.55E-08	7.17128E-05	0.000912	3.34E-07	0.0001825	0.000284037	1.85E-08	5.68075E-05	0.000271	1.51E-08	5.41894E-05
409	591715	4141664.85	1.1	1.1	offsite		0.00034	9.05E-08	6.79367E-05	0.000847	3.10E-07	0.0001695	0.000255515	1.67E-08	5.1103E-05	0.000251	1.40E-08	5.01987E-05
410	591815	4141664.85	1.5	1.5	offsite		0.00032	8.53E-08	6.40487E-05	0.000786	2.88E-07	0.0001571	0.000230694	1.51E-08	4.61389E-05	0.000233	1.30E-08	4.66665E-05
411	591915	4141664.85	1.57	1.57	offsite		0.000301	8.02E-08	6.02054E-05	0.000729	2.67E-07	0.0001457	0.000209212	1.37E-08	4.18423E-05	0.000218	1.22E-08	4.35204E-05
412	592015	4141664.85	1.79	1.79	offsite		0.000283	7.53E-08	5.65412E-05	0.000677	2.48E-07	0.0001354	0.000190719	1.25E-08	3.81437E-05	0.000204	1.14E-08	4.07265E-05
413	592115	4141664.85	1.9	1.9	offsite		0.000266	7.07E-08	5.31175E-05	0.00063	2.31E-07	0.000126	0.000174757	1.14E-08	3.49514E-05	0.000191	1.07E-08	3.82317E-05
414	592215	4141664.85	2.19	3.39	offsite		0.00025	6.65E-08	4.99679E-05	0.000588	2.15E-07	0.0001177	0.000160962	1.05E-08	3.21925E-05	0.00018	1.01E-08	3.60024E-05
415	591115	4141764.85	1.5	8.76	Phase6	6 daycare												
416	591215	4141764.85	0.27	8.75	Phase6	6 daycare												
417	591315	4141764.85	2.71	6.85	path		0.000359	3.60E-09	7.18975E-05	0.000961	1.18E-08	0.0001923	0.000326876	6.26E-10	6.53753E-05	0.000313	4.45E-10	6.25421E-05
418	591415	4141764.85	3.75	6.28	offsite		0.00035	9.31E-08	6.99618E-05	0.000918	3.36E-07	0.0001837	0.000301249	1.97E-08	6.02498E-05	0.00029	1.62E-08	5.804E-05
419	591515	4141764.85	1.22	1.22	offsite		0.000337	8.97E-08	6.73997E-05	0.000868	3.17E-07	0.0001735	0.000274973	1.80E-08	5.49946E-05	0.000269	1.50E-08	5.3784E-05
420	591615	4141764.85	1.64	1.64	offsite		0.000323	8.61E-08	6.46473E-05	0.000816	2.99E-07	0.0001633	0.000250674	1.64E-08	5.01348E-05	0.00025	1.40E-08	5.00443E-05
421	591715	4141764.85	2.1	2.1	offsite		0.000308	8.21E-08	6.16432E-05	0.000765	2.80E-07	0.000153	0.000228527	1.49E-08	4.57054E-05	0.000233	1.30E-08	4.6681E-05
422	591815	4141764.85	1.47	1.47	offsite		0.000292	7.78E-08	5.84544E-05	0.000715	2.62E-07	0.000143	0.00020861	1.36E-08	4.17221E-05	0.000218	1.22E-08	4.36265E-05
423	591915	4141764.85	2.58	2.58	offsite		0.000277	7.37E-08	5.53608E-05	0.000669	2.45E-07	0.0001338	0.00019132	1.25E-08	3.8264E-05	0.000205	1.14E-08	4.09533E-05
424	592015	4141764.85	2.57	2.57	offsite		0.000262	6.96E-08	5.23064E-05	0.000626	2.29E-07	0.0001251	0.000176007	1.15E-08	3.52013E-05	0.000193	1.08E-08	3.85164E-05
425	592115	4141764.85	2.49	10.31	offsite		0.000247	6.58E-08	4.94085E-05	0.000586	2.14E-07	0.0001172	0.00016256	1.06E-08	3.2512E-05	0.000182	1.01E-08	3.6316E-05
426	590915	4141964.85	4.64	4.64	offsite		0.000306	8.14E-08	6.11621E-05	0.000824	3.02E-07	0.0001649	0.000282171	1.84E-08	5.64341E-05	0.000319	1.78E-08	6.37823E-05
427	591215	4141964.85	1.81	5.94	path		0.000298	2.98E-09	5.95789E-05	0.000784	9.60E-09	0.0001567	0.000257461	4.93E-10	5.14921E-05	0.000274	3.91E-10	5.4836E-05
428	591315	4141964.85	2.71	6.26	path		0.000293	2.93E-09	5.85663E-05	0.000761	9.33E-09	0.0001523	0.000244726	4.69E-10	4.89452E-05	0.000259	3.68E-10	5.1738E-05
429	590815	4142064.85	4.48	4.48	offsite		0.000279	7.44E-08	5.58923E-05	0.000744	2.72E-07	0.0001489	0.000247732	1.62E-08	4.95464E-05	0.000295	1.65E-08	5.90341E-05
430	590915	4142064.85	4.32	4.32	offsite		0.000279	7.44E-08	5.58755E-05	0.000741	2.71E-07	0.0001482	0.000245454	1.60E-08	4.90908E-05	0.000286	1.60E-08	5.71908E-05
431	591015	4142064.85	4.33	4.33	offsite		0.000278	7.41E-08	5.56461E-05	0.000734	2.69E-07	0.0001468	0.000241119	1.57E-08	4.82239E-05	0.000275	1.54E-08	5.50483E-05
432	591115	4142064.85	1.85	6.79	path		0.000275	2.76E-09	5.50811E-05	0.000721	8.84E-09	0.0001443	0.000234333	4.49E-10	4.68666E-05	0.000263	3.74E-10	5.25777E-05
433	591215	4142064.85	2.97	2.97	path		0.000272	2.73E-09	5.44601E-05	0.000707	8.66E-09	0.0001414	0.000226265	4.33E-10	4.5253E-05	0.000251	3.57E-10	5.01071E-05
434	590715	4142164.85	4.74	4.74	offsite		0.000257	6.84E-08	5.13665E-05	0.000677	2.48E-07	0.0001354	0.000219368	1.43E-08	4.38735E-05	0.000272	1.52E-08	5.44837E-05
435	590815	4142164.85	4.43	4.43	offsite		0.000257	6.85E-08	5.1456E-05	0.000676	2.47E-07	0.0001352	0.000218703	1.43E-08	4.37406E-05	0.000266	1.49E-08	5.32629E-05
436	590915	4142164.85	4.76	5.44	path		0.000257	2.57E-09	5.13777E-05	0.000673	8.24E-09	0.0001345	0.000216678	4.15E-10	4.33357E-05	0.000259	3.69E-10	5.17911E-05
437	591015	4142164.85	2.7	6.62	path		0.000255	2.56E-09	5.10868E-05	0.000665	8.15E-09	0.000133	0.000212755	4.08E-10	4.2551E-05	0.00025	3.56E-10	5.00057E-05
438	591115	4142164.85	2.71	2.71	path		0.000253	2.54E-09	5.06728E-05	0.000655	8.03E-09	0.0001311	0.000207677	3.98E-10	4.15354E-05	0.00024	3.42E-10	4.809E-05
439	590415	4142264.85	2.1	2.1	path		0.000234	2.34E-09	4.6796E-05	0.00061	7.48E-09	0.000122	0.000192285	3.68E-10	3.8457E-05	0.000255	3.63E-10	5.10287E-05
440	590515	4142264.85	2.12	2.12	path		0.000236	2.36E-09	4.71373E-05	0.000615	7.53E-09	0.0001229	0.000194294	3.72E-10	3.88588E-05	0.000254	3.61E-10	5.07247E-05
441	590615	4142264.85	1.8	1.8	path		0.000237	2.37E-09	4.7361E-05	0.000617	7.56E-09	0.0001234	0.000195433	3.74E-10	3.90866E-05	0.000251	3.57E-10	5.01601E-05
442	590715	4142264.85	1.96	1.96	path		0.000238	2.38E-09	4.75065E-05	0.000618	7.57E-09	0.0001236	0.000195733	3.75E-10	3.91467E-05	0.000247	3.52E-10	4.93881E-05
443	590815	4142264.85	2.58	2.58	path		0.000238	2.38E-09	4.7568E-05	0.000617	7.56E-09	0.0001235	0.000195085	3.74E-10	3.9017E-05	0.000242	3.45E-10	4.84085E-05
444	590915	4142264.85	2.62	5.66	path		0.000237	2.38E-09	4.74785E-05	0.000614	7.52E-09	0.0001228	0.000193218	3.70E-10	3.86436E-05	0.000236	3.36E-10	4.72022E-05
445	591015	4142264.85	5.39	6.93	path		0.000236	2.37E-09	4.72659E-05	0.00061	7.47E-09	0.0001219	0.000190624	3.65E-10	3.81248E-05	0.000229	3.27E-10	4.58945E-05
446	591515	4142364.85	2.14	2.14	school		0.000205	2.86E-08	4.0978E-05	0.000506	8.66E-08	0.0001013	0.00014731	3.94E-09	2.94621E-05	0.000175	3.48E-09	3.50132E-05
447	591215	4142464.85	2.18	2.18	park		0.000201	2.02E-09	4.02675E-05	0.000504	6.18E-09	0.0001009	0.00015	2.87E-10	2.99999E-05	0.000184	2.63E-10	3.68903E-05
448	591315	4142464.85	1.28	1.28	park		0.000198	1.99E-09	3.96969E-05	0.000495	6.06E-09	9.894E-05	0.000145776	2.79E-10	2.91552E-05	0.000178	2.54E-10	3.56019E-05
449	591415	4142464.85	2.04	2.04	school		0.000196	2.73E-08	3.91207E-05	0.000485	8.29E-08	9.691E-05	0.000141283	3.78E-09	2.82566E-05	0.000172	3.41E-09	3.43376E-05
450	590415	4142564.85	4.25	4.91	path		0.000194	1.94E-09	3.8785E-05	0.000492	6.03E-09	9.849E-05	0.000147595	2.83E-10	2.9519E-05	0.000199	2.84E-10	3.98965E-05
451	590915	4142564.85	0.95	0.95	offsite		0.000193	5.15E-08	3.86452E-05	0.000487	1.78E-07	9.736E-05	0.000145301	9.49E-09	2.90602E-05	0.000186	1.04E-08	3.72425E-05
452	591015	4142564.85	3.27	3.51	offsite		0.000193	5.13E-08	3.85445E-05	0.000484	1.77E-07	9.674E-05	0.000143719	9.38E-09	2.87439E-05	0.000183	1.02E-08	3.65187E-05
453	591115	4142564.85	0	0	offsite		0.000191	5.09E-08	3.82536E-05	0.000478	1.75E-07	9.563E-05	0.000141283	9.22E-09	2.82566E-05	0.000178	9.94E-09	3.56164E-05
454	591215	4142564.85	0	0	park		0.000189	1.89E-09	3.77389E-05	0.00047	5.76E-09	9.396E-05	0.000137945	2.64E-10	2.7589E-05	0.000173	2.46E-10	3.4521E-05
455	591315	4142564.85	0	0	park		0.000186	1.87E-09	3.72802E-05	0.000462	5.66E-09	9.24E-05	0.000134576	2.58E-10	2.69151E-05	0.000167	2.38E-10	3.3469E-05

Risk Calculations - DPM - Unmitigated

	5			6			7			8			SUM OF RISK	
No.	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	Res Risk	HI
391	0.000596285	5.92E-10	0.000119257	0.018424	2.18E-08	0.003684874	0.0009	1.28E-09	0.000185847	0.001054	1.41E-09	0.000210835	4.57E-08	4.69E-03
392	0.000490381	4.87E-10	9.80761E-05	0.007515	8.90E-09	0.001503032	0.0008	1.14E-09	0.000165	0.001066	1.43E-09	0.000213127	3.11E-08	2.43E-03
393	0.000409659	1.60E-08	8.19318E-05	0.004198	1.77E-07	0.000839691	0.0007	3.46E-08	0.000141234	0.000982	4.68E-08	0.000196489	7.96E-07	1.67E-03
394	0.000348716	1.36E-08	6.97432E-05	0.002676	1.13E-07	0.000535289	0.0006	2.92E-08	0.000119184	0.000843	4.01E-08	0.000168512	6.77E-07	1.27E-03
395	0.000301334	1.17E-08	6.02668E-05	0.001851	7.79E-08	0.000370158	0.0005	2.45E-08	0.000100338	0.000691	3.29E-08	0.000138144	5.90E-07	1.01E-03
396	0.0002637	1.03E-08	5.27401E-05	0.001358	5.71E-08	0.00027151	0.0004	2.08E-08	8.48989E-05	0.000557	2.65E-08	0.000111313	5.23E-07	8.39E-04
397	0.000233428	9.09E-09	4.66855E-05	0.001042	4.38E-08	0.00020834	0.0004	1.77E-08	7.25162E-05	0.000449	2.14E-08	8.98812E-05	4.69E-07	7.11E-04
398	0.000208808	8.13E-09	4.17617E-05	0.000828	3.48E-08	0.000165557	0.0003	1.53E-08	6.26197E-05	0.000367	1.75E-08	7.34387E-05	4.25E-07	6.15E-04
399	0.000188317	7.33E-09	3.76634E-05	0.000677	2.85E-08	0.000135363	0.0003	1.34E-08	5.4624E-05	0.000304	1.45E-08	6.08769E-05	3.88E-07	5.40E-04
400	0.000171573	6.68E-09	3.43145E-05	0.000565	2.38E-08	0.000113074	0.0002	1.18E-08	4.82214E-05	0.000257	1.22E-08	5.1352E-05	3.57E-07	4.82E-04
401														
402							0.0007	1.14E-07	0.00013659	0.000483	2.06E-08	9.66872E-05	1.34E-07	2.33E-04
403							0.0007	1.19E-07	0.000142932	0.000551	2.35E-08	0.000110166	1.43E-07	2.53E-04
404							0.0007	1.21E-07	0.000145563	0.000617	2.63E-08	0.000123427	1.48E-07	2.69E-04
405							0.0007	1.19E-07	0.000143113	0.000671	2.86E-08	0.000134255	1.48E-07	2.77E-04
406	0.000497907	4.95E-10	9.95815E-05	0.009141	1.08E-08	0.001828216	0.0007	9.34E-10	0.000135613	0.000703	9.42E-10	0.000140503	3.10E-08	2.63E-03
407	0.000421181	1.64E-08	8.42362E-05	0.004801	2.02E-07	0.000960159	0.0006	3.03E-08	0.000123785	0.000699	3.33E-08	0.00013971	7.78E-07	1.70E-03
408	0.000360735	1.40E-08	7.21471E-05	0.002987	1.26E-07	0.000597343	0.0005	2.69E-08	0.000109963	0.000659	3.14E-08	0.000131744	6.61E-07	1.28E-03
409	0.000312956	1.22E-08	6.25911E-05	0.002032	8.55E-08	0.000406394	0.0005	2.35E-08	9.61472E-05	0.000591	2.82E-08	0.000118288	5.81E-07	1.02E-03
410	0.00027451	1.07E-08	5.49019E-05	0.001471	6.19E-08	0.000294131	0.0004	2.04E-08	8.3499E-05	0.000512	2.44E-08	0.000102302	5.18E-07	8.49E-04
411	0.000243193	9.47E-09	4.86385E-05	0.001117	4.70E-08	0.000223335	0.0004	1.77E-08	7.25464E-05	0.000433	2.06E-08	8.66718E-05	4.67E-07	7.22E-04
412	0.000217479	8.47E-09	4.34958E-05	0.00088	3.70E-08	0.00017607	0.0003	1.55E-08	6.33468E-05	0.000365	1.74E-08	7.30094E-05	4.25E-07	6.27E-04
413	0.000196126	7.64E-09	3.92251E-05	0.000715	3.01E-08	0.000143063	0.0003	1.36E-08	5.56982E-05	0.000309	1.47E-08	6.1704E-05	3.89E-07	5.52E-04
414	0.000178237	6.94E-09	3.56475E-05	0.000595	2.51E-08	0.000119099	0.0002	1.21E-08	4.93589E-05	0.000263	1.25E-08	5.25915E-05	3.59E-07	4.93E-04
415							0.0006	9.18E-08	0.000110214	0.000436	1.86E-08	8.7259E-05	1.10E-07	1.97E-04
416							0.0006	9.25E-08	0.000110962	0.00047	2.00E-08	9.39008E-05	1.12E-07	2.05E-04
417	0.000487048	4.84E-10	9.74097E-05	0.01353	1.60E-08	0.002706012	0.0005	7.52E-10	0.000109275	0.000496	6.64E-10	9.912E-05	3.44E-08	3.40E-03
418	0.00042133	1.64E-08	8.42661E-05	0.005092	2.14E-07	0.001018384	0.0005	2.56E-08	0.000104595	0.000508	2.42E-08	0.00010162	7.45E-07	1.68E-03
419	0.000364996	1.42E-08	7.29992E-05	0.003136	1.32E-07	0.000627169	0.0005	2.38E-08	9.72183E-05	0.000502	2.39E-08	0.000100454	6.34E-07	1.25E-03
420	0.000319305	1.24E-08	6.3861E-05	0.002136	8.98E-08	0.000427103	0.0004	2.17E-08	8.85377E-05	0.00048	2.29E-08	9.59758E-05	5.62E-07	1.00E-03
421	0.000281639	1.10E-08	5.63277E-05	0.001551	6.52E-08	0.000310164	0.0004	1.94E-08	7.93834E-05	0.000442	2.11E-08	8.84459E-05	5.07E-07	8.41E-04
422	0.000250255	9.75E-09	5.0051E-05	0.001181	4.97E-08	0.000236154	0.0004	1.73E-08	7.0549E-05	0.000395	1.88E-08	7.90514E-05	4.61E-07	7.23E-04
423	0.000224508	8.74E-09	4.49017E-05	0.000929	3.91E-08	0.000185851	0.0003	1.53E-08	6.26589E-05	0.000347	1.65E-08	6.94128E-05	4.22E-07	6.31E-04
424	0.000202724	7.90E-09	4.05448E-05	0.000754	3.17E-08	0.000150831	0.0003	1.36E-08	5.57193E-05	0.000302	1.44E-08	6.03487E-05	3.88E-07	5.59E-04
425	0.000184305	7.18E-09	3.6861E-05	0.000627	2.64E-08	0.000125372	0.0002	1.22E-08	4.97633E-05	0.000262	1.25E-08	5.24126E-05	3.59E-07	5.00E-04
426	0.000475012	1.85E-08	9.50024E-05	0.002168	9.12E-08	0.000433513	0.0004	1.72E-08	7.01899E-05	0.000261	1.24E-08	5.21622E-05	5.59E-07	9.97E-04
427	0.000381807	3.79E-10	7.63614E-05	0.00273	3.23E-09	0.000546054	0.0004	4.99E-10	7.25313E-05	0.0003	4.02E-10	5.99383E-05	1.80E-08	1.08E-03
428	0.000346063	3.44E-10	6.92126E-05	0.002368	2.80E-09	0.000473667	0.0004	4.92E-10	7.14119E-05	0.000307	4.11E-10	6.13441E-05	1.71E-08	9.87E-04
429	0.000401071	1.56E-08	8.02143E-05	0.001385	5.83E-08	0.000277098	0.0003	1.43E-08	5.83895E-05	0.000213	1.02E-08	4.26983E-05	4.78E-07	7.72E-04
430	0.000389748	1.52E-08	7.79496E-05	0.001545	6.50E-08	0.000309015	0.0003	1.46E-08	5.98589E-05	0.000225	1.07E-08	4.49059E-05	4.83E-07	8.02E-04
431	0.000372473	1.45E-08	7.44946E-05	0.001669	7.02E-08	0.000333859	0.0003	1.49E-08	6.08787E-05	0.000235	1.12E-08	4.69073E-05	4.85E-07	8.22E-04
432	0.000349694	3.47E-10	6.99388E-05	0.001736	2.05E-09	0.000347195	0.0003	4.21E-10	6.12257E-05	0.000243	3.25E-10	4.85109E-05	1.56E-08	8.26E-04
433	0.000324942	3.23E-10	6.49884E-05	0.001682	1.99E-09	0.000336498	0.0003	4.20E-10	6.10718E-05	0.000249	3.34E-10	4.98346E-05	1.52E-08	8.04E-04
434	0.000340659	1.33E-08	6.81317E-05	0.000987	4.15E-08	0.00019739	0.0002	1.22E-08	4.96848E-05	0.00018	8.56E-09	3.5926E-05	4.21E-07	6.36E-04
435	0.000336431	1.31E-08	6.72862E-05	0.001077	4.53E-08	0.00021534	0.0003	1.25E-08	5.09249E-05	0.000188	8.95E-09	3.75633E-05	4.25E-07	6.55E-04
436	0.000328026	3.26E-10	6.56051E-05	0.001152	1.36E-09	0.000230482	0.0003	3.57E-10	5.19055E-05	0.000195	2.62E-10	3.90953E-05	1.39E-08	6.68E-04
437	0.000315045	3.13E-10	6.30089E-05	0.001207	1.43E-09	0.000241495	0.0003	3.61E-10	5.24456E-05	0.000202	2.71E-10	4.03728E-05	1.38E-08	6.74E-04
438	0.000299146	2.97E-10	5.98291E-05	0.001221	1.45E-09	0.000244223	0.0003	3.63E-10	5.26628E-05	0.000207	2.78E-10	4.14713E-05	1.37E-08	6.70E-04
439	0.000285866	2.84E-10	5.71732E-05	0.000634	7.51E-10	0.000126883	0.0002	2.78E-10	4.0437E-05	0.000141	1.89E-10	2.81856E-05	1.21E-08	5.11E-04
440	0.000289994	2.88E-10	5.79988E-05	0.000693	8.20E-10	0.000138544	0.0002	2.87E-10	4.17585E-05	0.000148	1.98E-10	2.95156E-05	1.22E-08	5.27E-04
441	0.000291785	2.90E-10	5.83569E-05	0.000752	8.90E-10	0.000150315	0.0002	2.96E-10	4.29564E-05	0.000154	2.06E-10	3.08099E-05	1.23E-08	5.42E-04
442	0.000291122	2.89E-10	5.82243E-05	0.000808	9.57E-10	0.000161692	0.0002	3.03E-10	4.40154E-05	0.00016	2.15E-10	3.20705E-05	1.24E-08	5.56E-04
443	0.000287706	2.86E-10	5.75413E-05	0.000859	1.02E-09	0.00017182	0.0002	3.09E-10	4.48995E-05	0.000166	2.23E-10	3.3268E-05	1.25E-08	5.66E-04
444	0.000281191	2.79E-10	5.62382E-05	0.000899	1.06E-09	0.000179746	0.0002	3.13E-10	4.55391E-05	0.000172	2.30E-10	3.43413E-05	1.25E-08	5.72E-04
445	0.000272321	2.71E-10	5.44643E-05	0.000922	1.09E-09	0.000184313	0.0002	3.17E-10	4.60158E-05	0.000177	2.37E-10	3.53346E-05	1.24E-08	5.73E-04
446	0.000183327	2.54E-09	3.66654E-05	0.000596	9.85E-09	0.000119225	0.0002	3.65E-09	3.79719E-05	0.000158	2.95E-09	3.15339E-05	1.42E-07	4.32E-04
447	0.000196076	1.95E-10	3.92152E-05	0.00059	6.98E-10	0.000117903	0.0002	2.49E-10	3.61766E-05	0.000142	1.90E-10	2.83413E-05	1.01E-08	4.30E-04
448	0.000186842	1.86E-10	3.73683E-05	0.000569	6.73E-10	0.000113721	0.0002	2.46E-10	3.56788E-05	0.000142	1.90E-10	2.8354E-05	9.87E-09	4.19E-04
449	0.000177442	2.46E-09	3.54883E-05	0.00054	8.92E-09	0.000107949	0.0002	3.37E-09	3.50271E-05	0.000141	2.64E-09	2.82298E-05	1.35E-07	4.05E-04
450	0.000200768	1.99E-10	4.01535E-05	0.00044	5.20E-10	8.79297E-05	0.0002	2.14E-10	3.11107E-05	0.000111	1.49E-10	2.21772E-05	9.62E-09	3.88E-04
451	0.00019412	7.56E-09	3.88239E-05	0.000508	2.14E-08	0.000101592	0.0002	8.05E-09	3.29241E-05	0.000124	5.89E-09	2.47405E-05	2.92E-07	4.00E-04
452	0.000189925	7.40E-09	3.79851E-05	0.00051	2.15E-08	0.000102008	0.0002	8.09E-09	3.30568E-05	0.000126	5.98E-09	2.51088E-05	2.91E-07	3.99E-04
453	0.000184305	7.18E-09	3.6861E-05	0.000507	2.13E-08	0.000101329	0.0002	8.07E-09	3.29784E-05	0.000127	6.03E-09	2.53319E-05	2.88E-07	3.94E-04
454	0.000177292	1.76E-10	3.54585E-05	0.000498	5.89E-10	9.95167E-05	0.0002	2.25E-10	3.26555E-05	0.000127	1.70E-10	2.53824E-05	9.31E-09	3.87E-04
455	0.000170081	1.69E-10	3.40161E-05	0.000482	5.71E-10	9.64409E-05	0.0002	2.22E-10	3.22573E-05	0.000127	1.70E-10	2.53824E-05	9.15E-09	3.78E-04

Risk Calculations - DPM - Unmitigated

				Phase -->			1			2			3			4		
No.	X	Y	ELEV	HILL	Group	Grou eptor ty	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI
456	591415	4142564.85	0	0	school		0.000184	2.57E-08	3.67599E-05	0.000453	7.75E-08	9.062E-05	0.000130795	3.50E-09	2.6159E-05	0.000162	3.22E-09	3.23689E-05
457	590315	4142664.85	0	0	path		0.000182	1.82E-09	3.64578E-05	0.00046	5.63E-09	9.195E-05	0.000135841	2.60E-10	2.71682E-05	0.000186	2.65E-10	3.72522E-05
458	590515	4142664.85	0	0	offsite		0.000183	4.87E-08	3.65641E-05	0.000461	1.69E-07	9.218E-05	0.000136521	8.91E-09	2.73043E-05	0.000184	1.03E-08	3.67696E-05
459	590615	4142664.85	0	0	offsite		0.000183	4.87E-08	3.65977E-05	0.000461	1.69E-07	9.217E-05	0.000136521	8.91E-09	2.73043E-05	0.000182	1.02E-08	3.64125E-05
460	590715	4142664.85	0	0	offsite		0.000183	4.87E-08	3.65865E-05	0.00046	1.68E-07	9.199E-05	0.000136142	8.89E-09	2.72284E-05	0.00018	1.00E-08	3.5959E-05
461	590815	4142664.85	0	0	offsite		0.000183	4.87E-08	3.65697E-05	0.000459	1.68E-07	9.176E-05	0.000135525	8.85E-09	2.7105E-05	0.000177	9.90E-09	3.54619E-05
462	590915	4142664.85	0	0	offsite		0.000182	4.85E-08	3.64466E-05	0.000456	1.67E-07	9.119E-05	0.000134291	8.77E-09	2.68582E-05	0.000174	9.73E-09	3.48395E-05
463	591015	4142664.85	0	0	offsite		0.000181	4.82E-08	3.62117E-05	0.000452	1.65E-07	9.032E-05	0.000132487	8.65E-09	2.64975E-05	0.000171	9.53E-09	3.41157E-05
464	591215	4142664.85	0	0	park		0.000178	1.78E-09	3.55627E-05	0.00044	5.39E-09	8.805E-05	0.000127789	2.45E-10	2.55578E-05	0.000162	2.31E-10	3.24798E-05
465	590315	4142764.85	0	0	path		0.000173	1.73E-09	3.45614E-05	0.000433	5.31E-09	8.663E-05	0.000126571	2.42E-10	2.53142E-05	0.000174	2.48E-10	3.48539E-05
466	590515	4142764.85	0	0	offsite		0.000173	4.61E-08	3.46061E-05	0.000433	1.59E-07	8.669E-05	0.000126887	8.28E-09	2.53775E-05	0.000172	9.60E-09	3.43859E-05
467	590615	4142764.85	0	0	offsite		0.000173	4.61E-08	3.46173E-05	0.000433	1.59E-07	8.663E-05	0.000126792	8.28E-09	2.53585E-05	0.00017	9.51E-09	3.40626E-05
468	590715	4142764.85	0	0	offsite		0.000173	4.61E-08	3.45949E-05	0.000432	1.58E-07	8.645E-05	0.000126397	8.25E-09	2.52794E-05	0.000168	9.40E-09	3.36669E-05
469	590815	4142764.85	0	0	offsite		0.000173	4.60E-08	3.45222E-05	0.00043	1.58E-07	8.609E-05	0.000125654	8.20E-09	2.51307E-05	0.000166	9.27E-09	3.3194E-05
470	590915	4142764.85	0	0	offsite		0.000172	4.58E-08	3.43991E-05	0.000428	1.57E-07	8.557E-05	0.00012453	8.13E-09	2.49061E-05	0.000163	9.12E-09	3.26536E-05
471	591015	4142764.85	0	0	offsite		0.000171	4.55E-08	3.41977E-05	0.000424	1.55E-07	8.481E-05	0.000123012	8.03E-09	2.46023E-05	0.00016	8.95E-09	3.20407E-05
472	591115	4142764.85	0	0	offsite		0.00017	4.52E-08	3.39572E-05	0.00042	1.54E-07	8.395E-05	0.000121208	7.91E-09	2.42416E-05	0.000157	8.77E-09	3.13941E-05
473	591239.5	4140294.63	0	0	park		0.03198	3.20E-07	0.00639597	0.018725	2.29E-07	0.003745	0.001522981	2.92E-09	0.000304596	0.002804	3.99E-09	0.000560838
474	591338.7	4140348.36	0	0	park		0.03149	3.15E-07	0.006297992	0.01931	2.37E-07	0.003862	0.001793936	3.44E-09	0.000358787	0.002271	3.23E-09	0.000454187
180	590915	4140364.85	5.73	5.73	Phase2	2 daycare				0			0.00160423	2.49E-07	0.000320846	0.007249	3.28E-07	0.001449819
181	591015	4140364.85	5.56	5.56	Phase1	1 daycare				0.059842	1.74E-05	0.0119684	0.001846599	9.14E-08	0.00036932	0.005595	2.06E-07	0.001119032
182	591115	4140364.85	3.47	3.47	Phase1	1 daycare				0.037997	1.11E-05	0.0075994	0.001989131	9.85E-08	0.000397826	0.004216	1.55E-07	0.00084325
183	591215	4140364.85	4.5	7.04	Phase1	1 daycare				0.028579	8.33E-06	0.0057158	0.002010424	9.95E-08	0.000402085	0.003187	1.17E-07	0.000637379
197	590815	4140464.85	7.69	7.69	Phase2	2 daycare				0			0.002297436	3.56E-07	0.000459487	0.024278	1.10E-06	0.00485567
198	590915	4140464.85	2.98	8.04	Phase2	2 daycare				0			0.002955728	4.58E-07	0.000591146	0.010664	4.83E-07	0.002132745
199	591015	4140464.85	8.67	10.34	Phase2	2 daycare				0			0.003317866	5.14E-07	0.000663573	0.007126	3.23E-07	0.00142519
200	591115	4140464.85	6.33	6.33	Phase2	2 daycare				0			0.003287287	5.09E-07	0.000657457	0.004647	2.11E-07	0.000929446
201	591215	4140464.85	4.21	4.21	Phase1	1 daycare				0.068479	2.00E-05	0.0136958	0.003040346	1.51E-07	0.000608069	0.003227	1.19E-07	0.000645476
202	591315	4140464.85	3.82	13.54	Phase1	1 daycare				0.039203	1.14E-05	0.0078407	0.00267321	1.32E-07	0.000534642	0.002323	8.55E-08	0.000464639
216	590615	4140564.85	2.81	6.9	Phase4	4 daycare				0			0			0		
217	590715	4140564.85	7.46	7.46	Phase4	4 daycare				0			0			0		
218	590815	4140564.85	7.28	8.15	Phase2	2 daycare				0			0.005565408	8.62E-07	0.001113082	0.035117	1.59E-06	0.007023418
219	590915	4140564.85	7.4	7.4	Phase2	2 daycare				0			0.007118999	1.10E-06	0.0014238	0.013769	6.24E-07	0.002753847
220	591015	4140564.85	9.93	9.93	Phase2	2 daycare				0			0.006868974	1.06E-06	0.001373795	0.007568	3.43E-07	0.001513591
221	591115	4140564.85	9.16	9.16	Phase2	2 daycare				0			0.005707276	8.84E-07	0.001141455	0.004469	2.02E-07	0.000893801
222	591215	4140564.85	8.96	8.96	Phase2	2 daycare				0			0.004606341	7.14E-07	0.000921268	0.002914	1.32E-07	0.000582779
223	591315	4140564.85	4.72	7.76	Phase2	2 daycare				0			0.003598803	5.58E-07	0.000719761	0.002036	9.23E-08	0.000407245
234	590515	4140664.85	6.23	7.85	Phase4	4 daycare				0			0			0		
235	590615	4140664.85	7.56	9.05	Phase4	4 daycare				0			0			0		
236	590715	4140664.85	7.51	8.57	Phase4	4 daycare				0			0			0		
237	590815	4140664.85	5.96	5.96	Phase3	3 daycare				0			0			0.046217	7.95E-06	0.009243329
238	590915	4140664.85	8.13	8.13	Phase3	3 daycare				0			0			0.012877	2.21E-06	0.002575326
239	591015	4140664.85	9.54	9.54	Phase2	2 daycare				0			0.018998294	2.94E-06	0.003799659	0.006144	2.78E-07	0.001228738
240	591115	4140664.85	8.35	8.35	Phase2	2 daycare				0			0.010316875	1.60E-06	0.002063375	0.003603	1.63E-07	0.000720593
241	591215	4140664.85	7.74	7.74	Phase2	2 daycare				0			0.006735189	1.04E-06	0.001347038	0.002359	1.07E-07	0.000471722
242	591315	4140664.85	5.84	7.22	Phase2	2 daycare				0			0.004598985	7.13E-07	0.000919797	0.001666	7.55E-08	0.000333281
250	590515	4140764.85	6.09	6.81	Phase4	4 daycare				0			0			0		
251	590615	4140764.85	7.47	7.47	Phase4	4 daycare				0			0			0		
252	590715	4140764.85	7.57	7.57	Phase4	4 daycare				0			0			0		
253	590815	4140764.85	7.99	8.34	Phase3	3 daycare				0			0			0.021065	3.62E-06	0.004212911
254	590915	4140764.85	9.61	9.61	Phase3	3 daycare				0			0			0.008051	1.38E-06	0.001610288
255	591015	4140764.85	11.11	11.11	Phase3	3 daycare				0			0			0.004091	7.03E-07	0.000818153
256	591115	4140764.85	7.91	7.91	Phase2	2 daycare				0			0.023474108	3.64E-06	0.004694822	0.002678	1.21E-07	0.000535582
257	591215	4140764.85	6.84	6.84	Phase2	2 daycare				0			0.010050477	1.56E-06	0.002010095	0.001833	8.31E-08	0.000366688
265	590815	4140864.85	6.96	22.32	Phase3	3 daycare				0			0			0.009233	1.59E-06	0.001846525
266	590915	4140864.85	7.14	7.14	Phase3	3 daycare				0			0			0.004884	8.40E-07	0.000976721
267	591015	4140864.85	8.47	9.2	Phase3	3 daycare				0			0			0.002909	5.00E-07	0.000581858
268	591115	4140864.85	7.45	9.44	Phase3	3 daycare				0			0			0.001985	3.41E-07	0.000397015
269	591215	4140864.85	3.69	9.28	Phase3	3 daycare				0			0			0.001438	2.47E-07	0.000287638
278	591015	4140964.85	6.91	20.57	Phase3	3 daycare				0			0			0.002094	3.60E-07	0.000418764
279	591115	4140964.85	7.74	7.74	Phase3	3 daycare				0			0			0.001512	2.60E-07	0.000302442

Risk Calculations - DPM - Unmitigated

	5			6			7			8			SUM OF RISK	
No.	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	conc	Risk	HI	Res Risk	HI
456	0.000162421	2.25E-09	3.24843E-05	0.000462	7.62E-09	9.23012E-05	0.0002	3.05E-09	3.17021E-05	0.000126	2.36E-09	2.52456E-05	1.25E-07	3.68E-04
457	0.000180492	1.79E-10	3.60984E-05	0.000378	4.48E-10	7.56633E-05	0.0001	1.94E-10	2.82353E-05	0.0001	1.34E-10	2.00391E-05	8.94E-09	3.53E-04
458	0.000181802	7.08E-09	3.63603E-05	0.000406	1.71E-08	8.11144E-05	0.0001	7.13E-09	2.91254E-05	0.000105	5.01E-09	2.10156E-05	2.73E-07	3.60E-04
459	0.000181536	7.07E-09	3.63073E-05	0.000417	1.76E-08	8.34529E-05	0.0001	7.21E-09	2.94814E-05	0.000107	5.12E-09	2.14786E-05	2.73E-07	3.63E-04
460	0.000180409	7.03E-09	3.60818E-05	0.000427	1.80E-08	8.53964E-05	0.0001	7.28E-09	2.9759E-05	0.000109	5.22E-09	2.18973E-05	2.73E-07	3.65E-04
461	0.000178585	6.96E-09	3.57171E-05	0.000434	1.83E-08	8.68658E-05	0.0001	7.34E-09	2.99913E-05	0.000111	5.31E-09	2.22825E-05	2.73E-07	3.66E-04
462	0.000175684	6.84E-09	3.51368E-05	0.000439	1.84E-08	8.77138E-05	0.0002	7.37E-09	3.0106E-05	0.000113	5.38E-09	2.2575E-05	2.72E-07	3.65E-04
463	0.000171772	6.69E-09	3.43543E-05	0.000439	1.85E-08	8.78454E-05	0.0002	7.36E-09	3.01029E-05	0.000114	5.43E-09	2.2777E-05	2.70E-07	3.62E-04
464	0.000161808	1.61E-10	3.23616E-05	0.000428	5.07E-10	8.56966E-05	0.0001	2.05E-10	2.9765E-05	0.000115	1.54E-10	2.29749E-05	8.68E-09	3.52E-04
465	0.000165074	1.64E-10	3.30148E-05	0.000343	4.06E-10	6.85267E-05	0.0001	1.81E-10	2.63163E-05	9.36E-05	1.26E-10	1.8728E-05	8.40E-09	3.28E-04
466	0.00016572	6.45E-09	3.31441E-05	0.000362	1.52E-08	7.24874E-05	0.0001	6.60E-09	2.69892E-05	9.76E-05	4.65E-09	1.95172E-05	2.56E-07	3.33E-04
467	0.000165323	6.44E-09	3.30645E-05	0.000371	1.56E-08	7.41253E-05	0.0001	6.67E-09	2.72517E-05	9.94E-05	4.74E-09	1.98833E-05	2.56E-07	3.35E-04
468	0.000164278	6.40E-09	3.28556E-05	0.000377	1.59E-08	7.54579E-05	0.0001	6.72E-09	2.74538E-05	0.000101	4.81E-09	2.02095E-05	2.56E-07	3.36E-04
469	0.000162504	6.33E-09	3.25008E-05	0.000382	1.61E-08	7.64006E-05	0.0001	6.75E-09	2.75896E-05	0.000102	4.88E-09	2.04789E-05	2.55E-07	3.36E-04
470	0.000160017	6.23E-09	3.20035E-05	0.000384	1.62E-08	7.68852E-05	0.0001	6.77E-09	2.7659E-05	0.000103	4.93E-09	2.06894E-05	2.54E-07	3.35E-04
471	0.000156834	6.11E-09	3.13669E-05	0.000384	1.62E-08	7.6843E-05	0.0001	6.76E-09	2.76409E-05	0.000104	4.96E-09	2.08367E-05	2.52E-07	3.32E-04
472	0.000153104	5.96E-09	3.06208E-05	0.000381	1.60E-08	7.62426E-05	0.0001	6.74E-09	2.75474E-05	0.000105	4.99E-09	2.09398E-05	2.49E-07	3.29E-04
473	0.000676625	6.72E-10	0.000135325	0.000431	5.10E-10	8.61285E-05	0.0005	7.53E-10	0.000109366	0.000249	3.33E-10	4.97105E-05	5.59E-07	1.14E-02
474	0.000817544	8.12E-10	0.000163509	0.000492	5.82E-10	9.83264E-05	0.0007	9.63E-10	0.000139957	0.000303	4.06E-10	6.05992E-05	5.61E-07	1.14E-02
180	0.000646535	2.04E-08	0.000129307	0.000408	1.54E-08	8.162E-05	0.0004	1.96E-08	8.95032E-05	0.000198	8.42E-09	3.95141E-05	6.41E-07	2.11E-03
181	0.000706649	1.81E-08	0.00014133	0.000431	1.32E-08	8.62707E-05	0.0005	1.83E-08	0.000102583	0.000222	7.69E-09	4.44155E-05	1.78E-05	1.38E-02
182	0.000767825	1.97E-08	0.000153565	0.000456	1.40E-08	9.1232E-05	0.0006	2.07E-08	0.00011626	0.000249	8.62E-09	4.9782E-05	1.14E-05	9.25E-03
183	0.000819301	2.10E-08	0.00016386	0.000478	1.46E-08	9.55297E-05	0.0007	2.31E-08	0.0001301	0.000278	9.63E-09	5.56073E-05	8.61E-06	7.20E-03
197	0.000799092	2.53E-08	0.000159818	0.000434	1.64E-08	8.68447E-05	0.0005	2.03E-08	9.25507E-05	0.000198	8.44E-09	3.95857E-05	1.53E-06	5.69E-03
198	0.000898249	2.84E-08	0.00017965	0.000479	1.80E-08	9.58668E-05	0.0006	2.41E-08	0.000110226	0.000226	9.63E-09	4.51816E-05	1.02E-06	3.15E-03
199	0.000986928	3.12E-08	0.000197386	0.000494	1.86E-08	9.87214E-05	0.0007	2.86E-08	0.000130794	0.00026	1.11E-08	5.20296E-05	9.26E-07	2.57E-03
200	0.001076602	3.40E-08	0.00021532	0.000537	2.02E-08	0.000107349	0.0008	3.40E-08	0.000155095	0.000299	1.28E-08	5.98941E-05	8.21E-07	2.12E-03
201	0.001126189	2.89E-08	0.000225238	0.000573	1.75E-08	0.00011468	0.0009	3.21E-08	0.000180174	0.000343	1.19E-08	6.86278E-05	2.03E-05	1.55E-02
202	0.001134081	2.91E-08	0.000226816	0.000607	1.86E-08	0.000121395	0.001	3.68E-08	0.000206656	0.00039	1.35E-08	7.79866E-05	1.17E-05	9.47E-03
216	0.000863368	1.49E-07	0.000172674	0.000433	1.63E-08	8.65814E-05	0.0004	1.65E-08	7.51955E-05	0.000168	7.15E-09	3.35437E-05	1.89E-07	3.68E-04
217	0.001005812	1.73E-07	0.000201162	0.000464	1.75E-08	9.27436E-05	0.0005	1.99E-08	9.07282E-05	0.000193	8.21E-09	3.8504E-05	2.19E-07	4.23E-04
218	0.001168448	3.69E-08	0.00023369	0.00051	1.92E-08	0.000102034	0.0006	2.44E-08	0.000111203	0.000223	9.50E-09	4.45565E-05	2.54E-06	8.63E-03
219	0.00134211	4.24E-08	0.000268422	0.000556	2.10E-08	0.000111272	0.0007	3.03E-08	0.000138289	0.000261	1.11E-08	5.21264E-05	1.83E-06	4.75E-03
220	0.001482515	4.69E-08	0.000296503	0.000588	2.21E-08	0.00011755	0.0009	3.74E-08	0.000170969	0.000307	1.31E-08	6.1382E-05	1.53E-06	3.53E-03
221	0.001581904	5.00E-08	0.000316381	0.000639	2.41E-08	0.000127831	0.0011	4.72E-08	0.000215684	0.000365	1.56E-08	7.30704E-05	1.22E-06	2.77E-03
222	0.001594288	5.04E-08	0.000318858	0.000688	2.59E-08	0.000137643	0.0013	5.84E-08	0.000266645	0.000435	1.85E-08	8.69349E-05	9.99E-07	2.31E-03
223	0.001514909	4.79E-08	0.000302982	0.000761	2.87E-08	0.000152206	0.0016	7.18E-08	0.000327967	0.000514	2.19E-08	0.000102815	8.20E-07	2.01E-03
234	0.00096458	1.66E-07	0.000192916	0.000437	1.64E-08	8.7303E-05	0.0004	1.53E-08	7.0024E-05	0.000159	6.79E-09	3.1839E-05	2.05E-07	3.82E-04
235	0.001231547	2.12E-07	0.000246309	0.000482	1.81E-08	9.63461E-05	0.0004	1.86E-08	8.47602E-05	0.000183	7.79E-09	3.653E-05	2.57E-07	4.64E-04
236	0.001555925	2.68E-07	0.000311185	0.000541	2.04E-08	0.000108165	0.0005	2.30E-08	0.000105111	0.000212	9.05E-09	4.24625E-05	3.20E-07	5.67E-04
237	0.001939605	6.13E-08	0.000387921	0.000616	2.32E-08	0.000123117	0.0007	2.94E-08	0.00013405	0.00025	1.07E-08	5.00893E-05	8.07E-06	9.94E-03
238	0.002246327	7.10E-08	0.000449265	0.000671	2.53E-08	0.000134225	0.0009	3.84E-08	0.000175313	0.000301	1.28E-08	6.01046E-05	2.36E-06	3.39E-03
239	0.002413706	7.63E-08	0.000482741	0.000733	2.76E-08	0.000146555	0.0012	5.12E-08	0.000233869	0.000366	1.56E-08	7.31672E-05	3.39E-06	5.96E-03
240	0.002409495	7.61E-08	0.000481899	0.000815	3.07E-08	0.000162961	0.0016	7.13E-08	0.000325771	0.000453	1.93E-08	9.06514E-05	1.96E-06	3.85E-03
241	0.002250356	7.11E-08	0.000450071	0.000897	3.38E-08	0.000179478	0.0023	9.94E-08	0.000453816	0.000567	2.42E-08	0.000113418	1.38E-06	3.02E-03
242	0.001992475	6.30E-08	0.000398495	0.000994	3.74E-08	0.000198897	0.0031	1.35E-07	0.000615365	0.00071	3.03E-08	0.000142085	1.05E-06	2.61E-03
250	0.001336971	2.30E-07	0.000267394	0.000494	1.86E-08	9.88742E-05	0.0004	1.68E-08	7.67494E-05	0.00017	7.25E-09	3.40256E-05	2.73E-07	4.77E-04
251	0.001943186	3.35E-07	0.000388637	0.000557	2.10E-08	0.000111335	0.0005	2.08E-08	9.48317E-05	0.000197	8.42E-09	3.94994E-05	3.85E-07	6.34E-04
252	0.002900804	5.00E-07	0.000580161	0.000639	2.41E-08	0.00012781	0.0006	2.65E-08	0.000121003	0.000233	9.94E-09	4.66231E-05	5.60E-07	8.76E-04
253	0.003921105	1.24E-07	0.000784221	0.000732	2.76E-08	0.000146339	0.0008	3.51E-08	0.000160508	0.000281	1.20E-08	5.61355E-05	3.82E-06	5.36E-03
254	0.004303757	1.36E-07	0.000860751	0.000827	3.11E-08	0.000165315	0.0011	4.85E-08	0.000221278	0.000345	1.47E-08	6.90424E-05	1.61E-06	2.93E-03
255	0.004194786	1.33E-07	0.000838957	0.000929	3.50E-08	0.000185777	0.0016	6.97E-08	0.000318342	0.000434	1.85E-08	8.68423E-05	9.59E-07	2.25E-03
256	0.003709064	1.17E-07	0.000741813	0.001086	4.09E-08	0.000217278	0.0026	1.16E-07	0.000529651	0.000568	2.42E-08	0.000113588	4.06E-06	6.83E-03
257	0.003101472	9.80E-08	0.000620294	0.001234	4.65E-08	0.000246893	0.0047	2.07E-07	0.000944144	0.000759	3.24E-08	0.000151815	2.02E-06	4.34E-03
265	0.012059426	3.81E-07	0.002411885	0.000919	3.46E-08	0.000183818	0.001	4.18E-08	0.000190668	0.000312	1.33E-08	6.24806E-05	2.06E-06	4.70E-03
266	0.009662399	3.05E-07	0.00193248	0.001099	4.14E-08	0.000219764	0.0014	6.20E-08	0.000283327	0.000395	1.69E-08	7.90493E-05	1.27E-06	3.49E-03
267	0.007644045	2.42E-07	0.001528809	0.001298	4.89E-08	0.000259507	0.0023	1.02E-07	0.000464395	0.000519	2.21E-08	0.000103784	9.14E-07	2.94E-03
268	0.005603807	1.77E-07	0.001120761	0.001556	5.86E-08	0.000311201	0.0045	1.98E-07	0.000905261	0.000713	3.04E-08	0.000142692	8.06E-07	2.88E-03
269	0.004009386	1.27E-07	0.000801877	0.001853	6.98E-08	0.000370653	0.0122	5.32E-07	0.002431046	0.001034	4.41E-08	0.000206822	1.02E-06	4.10E-03
278	0.016963614	5.36E-07	0.003392723	0.00193	7.27E-08	0.000385948	0.0031	1.37E-07	0.000627078	0.00061	2.60E-08	0.000121937	1.13E-06	4.95E-03
279	0.007974607	2.52E-07	0.001594921	0.002501	9.42E-08	0.000500217	0.0075	3.30E-07	0.00150471	0.000888	3.79E-08	0.00017762	9.74E-07	4.08E-03

Construction HRA

Risk Calculations - PM2.5 Dust - Unmitigated

No.	X	Y	ELEV	HILL	Group	Group		DPM conc	PM2.5 dust	DPM→PM2.5 wg	annual con	DPM conc	PM2.5 dust	DPM→PM	g annual co	DPM conc	PM2.5 dust	DPM→PM	g annual co	DPM conc	PM2.5 dust	DPM→PM	g annual co	DPM conc	PM2.5 dust	DPM→PM	g annual co
				Phase -->				1				2				3				4				5			
1	589515	4139265	5.92	5.92	offsite	0	0	0.000175884	1.30785E-06	0.9258	0.00016414	0.000406	3.24E-06	0.9222	0.000378	9.25E-05	0	0.9378	8.68E-05	0.000175	3.23E-06	0.9308	0.000166	8.86E-05	3.57E-06	0.9463	8.74E-05
2	589615	4139265	5.62	5.62	offsite	0	0	0.000185562	1.32154E-06	0.9258	0.00017311	0.000427	3.37E-06	0.9222	0.000397	9.65E-05	0	0.9378	9.05E-05	0.000184	3.4E-06	0.9308	0.000175	9.17E-05	3.7E-06	0.9463	9.05E-05
3	591315	4139265	6.86	8.3	offsite	0	0	0.000472379	6.26601E-06	0.9258	0.00044358	0.000926	1.7E-05	0.9222	0.000871	0.000168	0	0.9378	0.000158	0.000343	1.93E-05	0.9308	0.000338	0.000138	1.28E-05	0.9463	0.000143
4	591415	4139265	5.43	5.43	offsite	0	0	0.000496826	7.58476E-06	0.9258	0.00046753	0.000963	1.97E-05	0.9222	0.000908	0.000173	0	0.9378	0.000162	0.000357	2.07E-05	0.9308	0.000353	0.000141	1.44E-05	0.9463	0.000147
5	591515	4139265	6.27	6.27	offsite	0	0	0.000518252	8.97168E-06	0.9258	0.00048875	0.001002	2.22E-05	0.9222	0.000946	0.000178	0	0.9378	0.000167	0.00037	2.16E-05	0.9308	0.000366	0.000144	1.59E-05	0.9463	0.000152
6	591615	4139265	5.97	5.97	offsite	0	0	0.000545441	1.0297E-05	0.9258	0.00051525	0.001044	2.45E-05	0.9222	0.000987	0.000184	0	0.9378	0.000173	0.000382	2.22E-05	0.9308	0.000378	0.000147	1.73E-05	0.9463	0.000157
7	591715	4139265	5.85	5.85	offsite	0	0	0.0005733	1.14284E-05	0.9258	0.00054217	0.001085	2.64E-05	0.9222	0.001027	0.00019	0	0.9378	0.000178	0.000392	2.24E-05	0.9308	0.000387	0.000151	1.85E-05	0.9463	0.000161
8	591815	4139265	5.59	5.59	offsite	0	0	0.000600348	1.22848E-05	0.9258	0.00056807	0.001122	2.78E-05	0.9222	0.001063	0.000196	0	0.9378	0.000184	0.000398	2.23E-05	0.9308	0.000393	0.000155	1.95E-05	0.9463	0.000166
9	591915	4139265	5.85	5.85	offsite	0	0	0.000622725	1.28343E-05	0.9258	0.00058933	0.001154	2.86E-05	0.9222	0.001093	0.000202	0	0.9378	0.00019	0.000401	2.2E-05	0.9308	0.000395	0.000159	2.04E-05	0.9463	0.000171
10	592015	4139265	5.87	5.87	offsite	0	0	0.000639956	1.30891E-05	0.9258	0.00060554	0.001177	2.9E-05	0.9222	0.001115	0.000208	0	0.9378	0.000195	0.0004	2.15E-05	0.9308	0.000394	0.000163	2.1E-05	0.9463	0.000175
11	592115	4139265	6.12	6.12	offsite	0	0	0.00064969	1.30824E-05	0.9258	0.00061454	0.001191	2.9E-05	0.9222	0.001127	0.000212	0	0.9378	0.000199	0.000396	2.09E-05	0.9308	0.000389	0.000167	2.13E-05	0.9463	0.000179
12	592215	4139265	6.36	6.36	offsite	0	0	0.000651564	1.28677E-05	0.9258	0.00061606	0.001193	2.86E-05	0.9222	0.001129	0.000216	0	0.9378	0.000202	0.000389	2.01E-05	0.9308	0.000382	0.00017	2.15E-05	0.9463	0.000183
13	592315	4139265	5.73	5.73	offsite	0	0	0.00064541	1.24993E-05	0.9258	0.00061	0.001185	2.79E-05	0.9222	0.001121	0.000218	0	0.9378	0.000204	0.000379	1.94E-05	0.9308	0.000372	0.000173	2.16E-05	0.9463	0.000185
14	592415	4139265	5.49	5.49	offsite	0	0	0.000631732	1.20242E-05	0.9258	0.00059686	0.001167	2.71E-05	0.9222	0.001103	0.000218	0	0.9378	0.000205	0.000366	1.86E-05	0.9308	0.00036	0.000175	2.14E-05	0.9463	0.000187
15	592515	4139265	6.15	6.15	offsite	0	0	0.000612404	1.14836E-05	0.9258	0.00057843	0.00114	2.61E-05	0.9222	0.001078	0.000218	0	0.9378	0.000204	0.000353	1.78E-05	0.9308	0.000346	0.000176	2.12E-05	0.9463	0.000188
16	592615	4139265	6.32	6.32	offsite	0	0	0.000588069	1.0915E-05	0.9258	0.00055533	0.001106	2.5E-05	0.9222	0.001045	0.000215	0	0.9378	0.000202	0.000338	1.7E-05	0.9308	0.000332	0.000176	2.08E-05	0.9463	0.000187
17	592715	4139265	5.4	5.4	offsite	0	0	0.000559454	1.03407E-05	0.9258	0.00052827	0.001065	2.39E-05	0.9222	0.001006	0.000212	0	0.9378	0.000199	0.000323	1.63E-05	0.9308	0.000317	0.000175	2.04E-05	0.9463	0.000186
18	592815	4139265	5.06	5.06	offsite	0	0	0.000529161	9.77329E-06	0.9258	0.00049965	0.00102	2.28E-05	0.9222	0.000963	0.000207	0	0.9378	0.000194	0.000307	1.56E-05	0.9308	0.000301	0.000174	1.99E-05	0.9463	0.000184
19	589515	4139365	5.9	5.9	offsite	0	0	0.000183044	1.45901E-06	0.9258	0.00017092	0.000425	3.49E-06	0.9222	0.000396	9.68E-05	0	0.9378	9.08E-05	0.000186	3.39E-06	0.9308	0.000176	9.26E-05	3.72E-06	0.9463	9.13E-05
20	589615	4139365	5.06	5.06	offsite	0	0	0.000194121	1.46914E-06	0.9258	0.00018118	0.000449	3.59E-06	0.9222	0.000417	0.000101	0	0.9378	9.49E-05	0.000196	3.6E-06	0.9308	0.000186	9.61E-05	3.86E-06	0.9463	9.48E-05
21	591315	4139365	3.3	8.4	offsite	0	0	0.000567286	7.63051E-06	0.9258	0.00053281	0.001078	2.03E-05	0.9222	0.001015	0.000188	0	0.9378	0.000176	0.000398	2.26E-05	0.9308	0.000393	0.00015	1.45E-05	0.9463	0.000157
22	591415	4139365	5.1	5.1	offsite	0	0	0.000595174	9.32126E-06	0.9258	0.00056031	0.001128	2.35E-05	0.9222	0.001064	0.000194	0	0.9378	0.000182	0.000415	2.39E-05	0.9308	0.00041	0.000154	1.62E-05	0.9463	0.000162
23	591515	4139365	6.23	6.23	offsite	0	0	0.000624627	1.10383E-05	0.9258	0.0005893	0.001179	2.65E-05	0.9222	0.001114	0.000201	0	0.9378	0.000189	0.00043	2.48E-05	0.9308	0.000425	0.000158	1.79E-05	0.9463	0.000167
24	591615	4139365	6.02	6.02	offsite	0	0	0.000661214	1.26009E-05	0.9258	0.00062473	0.001231	2.9E-05	0.9222	0.001164	0.000208	0	0.9378	0.000196	0.000443	2.52E-05	0.9308	0.000437	0.000162	1.94E-05	0.9463	0.000173
25	591715	4139365	5.84	5.84	offsite	0	0	0.000696877	1.38404E-05	0.9258	0.00065899	0.001279	3.09E-05	0.9222	0.00121	0.000216	0	0.9378	0.000203	0.000451	2.51E-05	0.9308	0.000445	0.000167	2.07E-05	0.9463	0.000179
26	591815	4139365	5.32	5.32	offsite	0	0	0.000728709	1.46826E-05	0.9258	0.0006893	0.001319	3.22E-05	0.9222	0.001249	0.000223	0	0.9378	0.00021	0.000454	2.48E-05	0.9308	0.000448	0.000172	2.18E-05	0.9463	0.000184
27	591915	4139365	5.31	5.31	offsite	0	0	0.000751225	1.51122E-05	0.9258	0.00071057	0.001348	3.28E-05	0.9222	0.001276	0.00023	0	0.9378	0.000216	0.000453	2.42E-05	0.9308	0.000446	0.000177	2.26E-05	0.9463	0.00019
28	592015	4139365	5.58	5.58	offsite	0	0	0.000763337	1.5172E-05	0.9258	0.00072184	0.001364	3.29E-05	0.9222	0.001291	0.000236	0	0.9378	0.000221	0.000447	2.34E-05	0.9308	0.000439	0.000181	2.31E-05	0.9463	0.000194
29	592115	4139365	5.75	5.75	offsite	0	0	0.000764568	1.49288E-05	0.9258	0.00072274	0.001366	3.24E-05	0.9222	0.001293	0.00024	0	0.9378	0.000225	0.000437	2.25E-05	0.9308	0.000429	0.000185	2.34E-05	0.9463	0.000198
30	592215	4139365	6.14	6.14	offsite	0	0	0.00075503	1.44651E-05	0.9258	0.00071345	0.001354	3.16E-05	0.9222	0.001281	0.000243	0	0.9378	0.000227	0.000424	2.15E-05	0.9308	0.000416	0.000188	2.34E-05	0.9463	0.000202
31	592315	4139365	5.39	5.39	offsite	0	0	0.000734946	1.38581E-05	0.9258	0.00069425	0.001329	3.06E-05	0.9222	0.001256	0.000243	0	0.9378	0.000228	0.000408	2.06E-05	0.9308	0.000401	0.00019	2.33E-05	0.9463	0.000204
32	592415	4139365	5.53	5.53	offsite	0	0	0.000707422	1.31628E-05	0.9258	0.00066807	0.001292	2.93E-05	0.9222	0.001221	0.000242	0	0.9378	0.000227	0.000391	1.96E-05	0.9308	0.000383	0.000192	2.3E-05	0.9463	0.000204
33	592515	4139365	5.1	5.1	offsite	0	0	0.000673353	1.24278E-05	0.9258	0.0006358	0.001246	2.8E-05	0.9222	0.001177	0.000239	0	0.9378	0.000224	0.000372	1.87E-05	0.9308	0.000365	0.000192	2.26E-05	0.9463	0.000204
34	592615	4139365	4.31	4.31	offsite	0	0	0.000635256	1.16877E-05	0.9258	0.00059979	0.001193	2.67E-05	0.9222	0.001126	0.000234	0	0.9378	0.00022	0.000353	1.78E-05	0.9308	0.000346	0.000191	2.21E-05	0.9463	0.000203
35	592715	4139365	4.33	4.33	offsite	0	0	0.000595845	1.09629E-05	0.9258	0.00056258	0.001135	2.53E-05	0.9222	0.001072	0.000228	0	0.9378	0.000214	0.000333	1.69E-05	0.9308	0.000327	0.000189	2.15E-05	0.9463	0.000201
36	592815	4139365	5.39	5.39	offsite	0	0	0.000556601	1.02705E-05	0.9258	0.00052555	0.001076	2.4E-05	0.9222	0.001016	0.000221	0	0.9378	0.000208	0.000314	1.61E-05	0.9308	0.000309	0.000187	2.09E-05	0.9463	0.000197
37	589515	4139465	5.24	5.24	offsite	0	0	0.000190652	1.652E-06	0.9258	0.00017815	0.000445	3.83E-06	0.9222	0.000414	0.000101	0	0.9378	9.5E-05	0.000197	3.56E-06	0.9308	0.000187	9.69E-05	3.87E-06	0.9463	9.56E-05
38	589615	4139465	4.7	4.7	offsite	0	0	0.000202792	1.66147E-06	0.9258	0.0001894	0.000471	3.91E-06	0.9222	0.000439	0.000106	0	0.9378	9.97E-05	0.000209	3.81E-06	0.9308	0.000199	0.000101	4.03E-06	0.9463	9.95E-05
39	591315	4139465	6.05	6.05	offsite	0	0	0.000684206	9.52253E-06	0.9258	0.00064294	0.001283	2.47E-05	0.9222	0.001208	0.000214	0	0.9378	0.0002	0.000471	2.66E-05	0.9308	0.000465	0.000166	1.65E-05	0.9463	0.000173
40	591415	4139465	4.97	4.97	offsite	0	0	0.000732597	1.17236E-05	0.9258	0.00068994	0.00135	2.86E-05	0.9222	0.001273	0.000222	0	0.9378	0.000208	0.000491	2.79E-05	0.9308	0.000485	0.00017	1.85E-05	0.9463	0.00018
41	591515	4139465	4.87	4.87	offsite	0	0	0.00078026	1.38617E-05	0.9258	0.0007362	0.001417	3.2E-05	0.9222	0.001338	0.00023	0	0.9378	0.000216	0.000507	2.85E-05	0.9308	0.0005	0.000175	2.04E-05	0.9463	0.000186
42	591615	4139465	4.96	4.96	offsite	0	0	0.000826972	1.56714E-05	0.9258	0.00078126	0.001479	3.47E-05	0.9222	0.001398	0.00024	0	0.9378	0.000225	0.000517	2.86E-05	0.9308	0.00051	0.000181	2.2E-05	0.9463	0.000193
43	591715	4139465	5.96	5.96	offsite	0	0	0.000865348	1.69634E-05	0.9258	0.00081807	0.00153	3.66E-05	0.9222	0.001448	0.000249	0	0.9378	0.000233	0.000522	2.82E-05	0.9308	0.000514	0.000187	2.33E-05	0.9463	0.0002
44	591815	4139465	6.16	6.16	offsite	0	0	0.000896341	1.76833E-05	0.9258	0.00084749	0.001567	3.75E-05	0.9222	0.001483	0.000257	0	0.9378	0.000241	0.000519	2.74E-05	0.9308	0.000511	0.000192	2.44E-05	0.9463	0.000206
45	591915	4139465	5.77	5.77	offsite	0	0	0.000913711	1.78735E-05	0.9258	0.00086376	0.001587	3.77E-05	0.9222	0.001501	0.000265	0	0.9378	0.000248	0.000511	2.65E-05	0.9308	0.000502	0.000198	2.51E-05	0.9463	0.000212
46	592015	4139465	5.71	5.71	offsite	0	0	0.000914102	1.76143E-05	0.9258	0.00086386	0.001587	3.73E-05	0.9222	0.001501	0.00027	0	0.9378	0.000253	0.000497	2.53E-05	0.9308	0.000488	0.000203	2.55E-05	0.9463	0.000217
47	592115	4139465	5.19	5.19	offsite	0	0	0.000898271	1.70272E-05	0.9258	0.00084862	0.001568	3.63E-05	0.9222	0.001482	0.000273	0	0.9378	0.000256	0.000479	2.42E-05	0.9308	0.00047	0.000206	2.56E-05	0.9463	0.000221
48	592215	4139465	6.14	6.14	offsite	0	0	0.000870411	1.62211E-05	0.9258	0.00082202	0.001533	3.49E-05	0.9222	0.001448	0.000273	0	0.9378	0.000256	0.000459	2.3E-05	0.9308	0.00045	0.000209	2.55E-05	0.9463	0.000223
49	592315	4139465	5.42	5.42	offsite	0	0	0.000829713	1.53022E-05	0.9258	0.00078342	0.001481	3.34E-05	0.9222	0.0014	0.000271	0	0.9378	0.000255	0.000436	2.18E-05	0.9308	0.000428	0.000211	2.52E-05	0.9463	0.000224
50	592415	4139465	5.21	5.21	offsite	0	0	0.000782441	1.43307E-05	0.9258	0.00073869	0.001419	3.17E-05	0.9222	0.001341	0.000267	0	0.9378	0.000251	0.000412	2.06E-05	0.9308	0.000404	0.000211	2.47E-05	0.9463	0.000224
51	592515	4139465	5.84	5.84	offsite	0	0	0.000732345	1.33578E-05	0.9258	0.00069134	0.00135	3E-05	0.9222	0.001275	0.000261	0	0.9378	0.000245	0.000388	1.95E-05	0.9308	0.000381	0.00021	2.41E-05	0.9463	0.000222
52	592615	4139465	5.69	5.69	offsite	0	0	0.000679199	1.24149E-05	0.9258	0.0006412	0.001275	2.83E-05	0.9222	0.001204	0.000254	0	0.9378	0.000238	0.000364	1.85E-05	0.9308	0.000357	0.000207	2.34E-05	0.9463	0.00022
53	592715	4139465	4.29	4.29	offsite	0	0	0.000625215	1.15184E-05	0.9258	0.00059032	0.001197	2.66E-05	0.9222	0.00113	0.000245	0	0.9378	0.000229	0.00034	1.75E-05	0.9308	0.000334	0.000204	2.27E-05	0.9463	0.000216
54	592815	4139465	4.91	4.91	offsite	0	0	0.000575118	1.06841E-05	0.9258	0.00054311	0.00112	2.5E-05	0.9222	0.001058	0.000235	0	0.9378	0.00022	0.000318	1.65E-05	0.9308	0.000313	0.000199	2.2E-05	0.9463	0.000211
55	589515	4139565	5.51	5.51	offsite	0	0	0.000197785	1.88426E-06	0.9258	0.00018499	0.000465	4.29E-06	0.9222	0.000434	0.000106	0	0.9378	9.97E-05	0.00021	3.77E-06	0.9308	0.000199	0.000102	4.01E-06	0.9463	0.0001
56	589615	4139565	4.84	4.84	offsite	0	0	0.000211351	1.90509E-06	0.9258	0.00019757	0.000496	4.35E-06	0.9222	0.000461	0.000112	0	0.9378	0.000105	0.000224	4.04E-06	0.9308	0.000213	0.000106	4.21E-06	0.9463	0.000105
57	591315	4139565	5.22	5.22	offsite	0	0	0.000866132	1.22513E-05	0.9258	0.00081409	0.001567	3.07E-05	0.9222	0.001476	0.000246	0	0.9378	0.000231	0.000567	3.17E-05	0.9308	0.00056	0.000185	1.89E-05	0.9463	0.000194
58	591415	4139565	4.82	4.82	offsite	0	0	0.000933235	1.51474E-05	0.9258	0.00087911	0.001656	3.53E-05	0.9222	0.001563	0.000257	0	0.9378	0.000241	0.000589	3.27E-05	0.9308	0.000581	0.00019	2.12E-05	0.9463	0.000201
59	591515	4139565	4.93	4.93	offsite	0	0	0.000998548	1.77879E-05	0.9258	0.00094221	0.001739	3.92E-05	0.9222	0.001642	0.000268	0	0.9378	0.000252	0.000603	3.29E-05	0.9308	0.000594	0.000197	2.33E-05	0.9463	0.00021
60	591615	4139565	5.43	5.43	offsite	0	0	0.001055078	1.98138E-05	0.9258	0.00099657	0.001807	4.19E-05	0.9222	0.001708	0.00028	0	0.9378	0.000263	0.000608	3.25E-05	0.9308	0.000599	0.000204	2.5E-05	0.9463	0.000218
61	591715	4139565	4.86	4.86	offsite	0	0	0.001099636	2.10386E-05	0.9258	0.00103905	0.001855	4.35E-05	0.9222	0.001755	0.000291	0	0.9378	0.000273	0.000604	3.16E-05	0.9308	0.000594	0.000211	2.64E-05	0.9463	0.000226
62	591815	4139565	5.34	5.34	offsite	0	0	0.001120251	2.14617E-05	0.9258	0.00105855	0.001879	4.4E-05	0.9222	0.001777	0.0003	0	0.9378	0.000281	0.000592	3.04E-05	0.9308	0.000581	0.000217	2.74E-05	0.9463	0.000233
63	591915	4139565	5.62	5.62	offsite	0	0	0.001118041	2.12013E-05	0.9258	0.00105625	0.001875	4.35E-05	0.9222	0.001773	0.000307	0	0.9378	0.000288	0.000573	2.89E-05	0.9308	0.000562	0.000223	2.79E-05	0.9463	0.000239
64	592015	4139565	5.38	5.38	offsite	0	0	0.001092755	2.04384E-05	0.9258	0.00103208	0.001846	4.23E-05	0.9222	0.001744	0.00031	0	0.9378	0.000291	0.000548	2.74E-05	0.9308	0.000538	0.000228	2.81E-05	0.9463	0.000244
65	592115	4139565	4.71	4.71	offsite	0	0	0.00104705	1.93512E-05	0.9258	0.00098868	0.001793	4.05E-05	0.9222	0.001694	0.000311	0	0.9378	0.000291	0.00052	2.59E-05	0.9308	0.00051	0.000231	2.8E-05	0.9463	0.000247
66	592215	4139565	5.24	5.24	offsite	0	0	0.000989849	1.80914E-05	0.9258	0.00093446	0.001722	3.85E-05	0.9222	0.001626	0.000308	0	0.9378	0.000289	0.00049	2.44E-05	0.9308	0.000481	0.000233	2.77E-05	0.9463	0.000248
67	592315	4139565	5.06	5.06	offsite	0	0	0.00092227	1.67685E-05	0.9258	0.00087058	0.001636	3.63E-05	0.9222	0.001545	0.000302	0	0.9378	0.000283	0.000459	2.29E-05	0.9308	0.000451	0.000233	2.72E-05	0.9463	0.000248
68	592415	4139565	5.26	5.26	offsite	0	0	0.000851475	1.54562E-05	0.9258	0.00080372	0.001542	3.41E-05	0.9222	0.001456	0.000294	0	0.9378	0.000276	0.000429	2.16E-05	0.9308	0.000421	0.000232	2.65E-05	0.9463	0.000246
69	592515	4139565	5.15	5.15	offsite	0	0	0.000779477	1.42011E-05	0.9258	0.00073582	0.001443	3.19E-05	0.9222	0.001363	0.000284	0	0.9378	0.000266	0.000399	2.03E-05	0.9308	0.000391	0.000229	2.57E-05	0.9463	0.000242
70	592615	4139565	4.95	4.95	offsite	0	0	0.000709632	1.30281E-05	0.9258	0.00066998	0.001343	2.98E-05	0.9222	0.001268	0.000273	0	0.9378	0.000256	0.00037	1.9E-05	0.9308	0.000363	0.000224	2.48E-05	0.9463	0.000237
71	592715	4139565	4.73	4.73	offsite	0	0	0.000643844	1.19468E-05	0.9258	0.000608	0.001245	2.78E-05	0.9222	0.001176	0.00026	0	0.9378	0.000244	0.000343	1.79E-05	0.9308	0.000337	0.000219	2.39E-05	0.9463	0.000231
72	592815	4139565	4.85	4.85	offsite	0	0	0.00058337	1.09616E-05	0.9258	0.00055103	0.00115	2.59E-05	0.9222	0.001087	0.000247	0	0.9378	0.000231	0.000318	1.68E-05	0.9308	0.000313	0.000212	2.31E-05	0.9463	0.000224
73	589515	4139665	5.19	5.19	offsite	0	0	0.000205142	2.13764E-06	0.9258	0.00019205	0.000487	4.87E-06	0.9222	0.000454	0.000111	0	0.9378	0.000105	0.000224	4.05E-06	0.9308	0.000213	0.000107	4.15E-06	0.9463	0.000105
74	589615	4139665	4.68	4.68	offsite	0	0	0.000220022	2.18759E-06	0.9258	0.00020588	0.000521	4.93E-06	0.9222	0.000485	0.000118	0	0.9378	0.000111	0.000241	4.32E-06	0.9308	0.000229	0.000112	4.39E-06	0.9463	0.00011
75	591215	4139665	7.12	7.94	offsite	0	0	0.001026016	1.25273E-05	0.9258	0.00096238	0.001846	3.29E-05	0.9222	0.001735	0.000276	0	0.9378	0.000259	0.000665	3.63E-05	0.9308	0.000656	0.000201	1.92E-05	0.9463	0.00021
76	591315	4139665	5.29	5.29	offsite	0	0	0.001136558	1.63424E-05	0.9258	0.00106853	0.001973	3.91E-05	0.9222	0.001859	0.00029	0	0.9378	0.000272	0.000697	3.8E-05	0.9308	0.000686	0.000208	2.2E-05	0.9463	0.000219
77	591415	4139665	4.55	4.55	offsite	0	0	0.001238318	2.01893E-05	0.9258	0.00116658	0.002087	4.45E-05	0.9222	0.001969	0.000304	0	0.9378	0.000285	0.000716	3.86E-05	0.9308	0.000705	0.000216	2.46E-05	0.9463	0.000229
78	591515	4139665	5.22	5.22	offsite	0	0	0.001320917	2.33764E-05	0.9258	0.00124624	0.00218	4.86E-05	0.9222	0.002059	0.000319	0	0.9378	0.000299	0.000722	3.81E-05	0.9308	0.00071	0.000224	2.69E-05	0.9463	0.000239
79	591615	4139665	4.77	4.77	offsite	0	0	0.001385139	2.54728E-05	0.9258	0.00130779	0.002244	5.11E-05	0.9222	0.002121	0.000333	0	0.9378	0.000312	0.000715	3.7E-05	0.9308	0.000703	0.000233	2.87E-05	0.9463	0.000249
80	591715	4139665	4.96	4.96	offsite	0	0	0.001413474	2.63494E-05	0.9258	0.0013349	0.002272	5.21E-05	0.9222	0.002147	0.000345	0	0.9378	0.000323	0.000697	3.54E-05	0.9308	0.000684	0.000241	3E-05	0.9463	0.000258
81	591815	4139665	4.79	4.79	offsite	0	0	0.001404943	2.61434E-05	0.9258	0.00132679	0.002261	5.16E-05	0.9222	0.002137	0.000353	0	0.9378	0.000331	0.000669	3.35E-05	0.9308	0.000656	0.000248	3.08E-05	0.9463	0.000266
82	591915	4139665	5.16	5.16	offsite	0	0	0.001363434	2.51281E-05	0.9258	0.00128735	0.002214	5.01E-05	0.9222	0.002092	0.000358	0	0.9378	0.000335	0.000635	3.15E-05	0.9308	0.000622	0.000254	3.12E-05	0.9463	0.000272
83	592015	4139665	4.25	4.25	offsite	0	0	0.0012911	2.3602E-05	0.9258	0.00121886	0.002135	4.78E-05	0.9222	0.002017	0.000358	0	0.9378	0.000335	0.000596	2.95E-05	0.9308	0.000584	0.000258	3.11E-05	0.9463	0.000275
84	592115	4139665	5.05	5.05	offsite	0	0	0.001205004	2.18192E-05	0.9258	0.00113737	0.002033	4.51E-05	0.9222	0.00192	0.000354	0	0.9378	0.000332	0.000556	2.75E-05	0.9308	0.000545	0.00026	3.08E-05	0.9463	0.000277
85	592215	4139665	5.18	5.18	offsite	0	0	0.001106881	1.99581E-05	0.9258	0.00104467	0.001913	4.21E-05	0.9222	0.001806	0.000346	0	0.9378	0.000324	0.000516	2.57E-05	0.9308	0.000506	0.00026	3.01E-05	0.9463	0.000276

			Phase -->					1				2				3				4				5			
No.	X	Y	ELEV	HILL	Group	Group		DPM conc	PM2.5 dust	DPM→PM2.5	avg annual con	DPM conc	PM2.5 dust	DPM→PM	g annual co	DPM conc	PM2.5 dust	DPM→PM	g annual co	DPM conc	PM2.5 dust	DPM→PM	g annual co	DPM conc	PM2.5 dust	DPM→PM	g annual co
86	592315	4139665	4.87	4.87	offsite	0	0	0.00100431	1.81371E-05	0.9258	0.00094789	0.001783	3.92E-05	0.9222	0.001683	0.000335	0	0.9378	0.000314	0.000476	2.39E-05	0.9308	0.000467	0.000258	2.93E-05	0.9463	0.000273
87	592415	4139665	5.23	5.23	offsite	0	0	0.000905991	1.6427E-05	0.9258	0.00085516	0.00165	3.63E-05	0.9222	0.001558	0.000321	0	0.9378	0.000301	0.000439	2.23E-05	0.9308	0.000431	0.000254	2.83E-05	0.9463	0.000269
88	592515	4139665	4.54	4.54	offsite	0	0	0.000811056	1.48584E-05	0.9258	0.00076571	0.001518	3.35E-05	0.9222	0.001434	0.000306	0	0.9378	0.000287	0.000403	2.08E-05	0.9308	0.000396	0.000248	2.73E-05	0.9463	0.000262
89	592615	4139665	4.65	4.65	offsite	0	0	0.000725408	1.34447E-05	0.9258	0.000685	0.001392	3.1E-05	0.9222	0.001315	0.00029	0	0.9378	0.000272	0.000371	1.94E-05	0.9308	0.000364	0.000241	2.63E-05	0.9463	0.000254
90	592715	4139665	5.14	5.14	offsite	0	0	0.000648543	1.21802E-05	0.9258	0.00061258	0.001273	2.86E-05	0.9222	0.001202	0.000273	0	0.9378	0.000256	0.000341	1.81E-05	0.9308	0.000335	0.000233	2.52E-05	0.9463	0.000246
91	592815	4139665	4.42	4.42	offsite	0	0	0.00057923	1.1053E-05	0.9258	0.00054729	0.001162	2.65E-05	0.9222	0.001098	0.000256	0	0.9378	0.00024	0.000313	1.69E-05	0.9308	0.000308	0.000224	2.42E-05	0.9463	0.000236
92	589515	4139765	4.88	4.88	offsite	0	0	0.000212386	2.3898E-06	0.9258	0.00019901	0.000508	5.59E-06	0.9222	0.000474	0.000117	0	0.9378	0.00011	0.000239	4.46E-06	0.9308	0.000227	0.000112	4.31E-06	0.9463	0.000111
93	589615	4139765	5.59	5.59	offsite	0	0	0.000227994	2.48217E-06	0.9258	0.00021355	0.000547	5.69E-06	0.9222	0.00051	0.000125	0	0.9378	0.000117	0.00026	4.71E-06	0.9308	0.000246	0.000118	4.57E-06	0.9463	0.000116
94	591415	4139765	5.12	5.12	offsite	0	0	0.0017119	2.78819E-05	0.9258	0.0016127	0.002702	5.71E-05	0.9222	0.002549	0.000368	0	0.9378	0.000345	0.000877	4.56E-05	0.9308	0.000862	0.000248	2.88E-05	0.9463	0.000264
95	591515	4139765	5.43	5.43	offsite	0	0	0.00180717	3.14924E-05	0.9258	0.00170451	0.002788	6.11E-05	0.9222	0.002632	0.000386	0	0.9378	0.000362	0.000865	4.41E-05	0.9308	0.000849	0.000259	3.13E-05	0.9463	0.000276
96	591615	4139765	4.5	4.5	offsite	0	0	0.001849099	3.32443E-05	0.9258	0.00174508	0.002819	6.29E-05	0.9222	0.002663	0.000402	0	0.9378	0.000377	0.000836	4.19E-05	0.9308	0.00082	0.000269	3.31E-05	0.9463	0.000288
97	591715	4139765	4.68	4.68	offsite	0	0	0.001828848	3.32105E-05	0.9258	0.0017263	0.002795	6.25E-05	0.9222	0.00264	0.000413	0	0.9378	0.000388	0.000795	3.94E-05	0.9308	0.000779	0.000278	3.43E-05	0.9463	0.000298
98	591815	4139765	4.36	4.36	offsite	0	0	0.001753689	3.18197E-05	0.9258	0.00165533	0.002718	6.06E-05	0.9222	0.002567	0.000419	0	0.9378	0.000393	0.000746	3.67E-05	0.9308	0.000731	0.000286	3.49E-05	0.9463	0.000305
99	591915	4139765	4.98	4.98	offsite	0	0	0.001642643	2.95852E-05	0.9258	0.00155029	0.002598	5.75E-05	0.9222	0.002453	0.000418	0	0.9378	0.000392	0.000692	3.4E-05	0.9308	0.000678	0.000291	3.49E-05	0.9463	0.00031
100	592015	4139765	4.84	4.84	offsite	0	0	0.001502926	2.6951E-05	0.9258	0.00141831	0.002445	5.37E-05	0.9222	0.002308	0.000412	0	0.9378	0.000387	0.000638	3.14E-05	0.9308	0.000625	0.000294	3.45E-05	0.9463	0.000312
101	592115	4139765	4.78	4.78	offsite	0	0	0.001353336	2.42326E-05	0.9258	0.00127711	0.002272	4.97E-05	0.9222	0.002145	0.000401	0	0.9378	0.000376	0.000584	2.9E-05	0.9308	0.000572	0.000293	3.37E-05	0.9463	0.000311
102	592215	4139765	4.52	4.52	offsite	0	0	0.001204025	2.16256E-05	0.9258	0.00113627	0.00209	4.56E-05	0.9222	0.001973	0.000386	0	0.9378	0.000362	0.000533	2.67E-05	0.9308	0.000522	0.00029	3.27E-05	0.9463	0.000307
103	592315	4139765	4.27	4.27	offsite	0	0	0.001063525	1.92345E-05	0.9258	0.00100381	0.001908	4.18E-05	0.9222	0.001801	0.000367	0	0.9378	0.000344	0.000485	2.47E-05	0.9308	0.000476	0.000285	3.16E-05	0.9463	0.000301
104	592415	4139765	4.34	4.34	offsite	0	0	0.000935948	1.70982E-05	0.9258	0.00088357	0.001732	3.81E-05	0.9222	0.001636	0.000347	0	0.9378	0.000325	0.000441	2.28E-05	0.9308	0.000433	0.000277	3.03E-05	0.9463	0.000293
105	592515	4139765	3.7	3.7	offsite	0	0	0.000822077	1.52162E-05	0.9258	0.00077627	0.001567	3.48E-05	0.9222	0.00148	0.000326	0	0.9378	0.000305	0.000401	2.1E-05	0.9308	0.000394	0.000268	2.9E-05	0.9463	0.000283
106	592615	4139765	4.36	4.36	offsite	0	0	0.000722835	1.35776E-05	0.9258	0.00068275	0.001415	3.18E-05	0.9222	0.001337	0.000304	0	0.9378	0.000285	0.000365	1.95E-05	0.9308	0.000359	0.000258	2.77E-05	0.9463	0.000272
107	592715	4139765	4.37	4.37	offsite	0	0	0.000636739	1.21553E-05	0.9258	0.00060163	0.001277	2.91E-05	0.9222	0.001207	0.000283	0	0.9378	0.000265	0.000333	1.8E-05	0.9308	0.000328	0.000246	2.64E-05	0.9463	0.00026
108	592815	4139765	4.57	4.57	offsite	0	0	0.000562755	1.09254E-05	0.9258	0.00053191	0.001153	2.67E-05	0.9222	0.00109	0.000263	0	0.9378	0.000246	0.000305	1.68E-05	0.9308	0.0003	0.000235	2.52E-05	0.9463	0.000247
109	589515	4139865	4.37	4.37	offsite	0	0	0.000219547	2.63698E-06	0.9258	0.00020589	0.00053	6.39E-06	0.9222	0.000495	0.000123	0	0.9378	0.000115	0.000256	5.07E-06	0.9308	0.000243	0.000118	4.53E-06	0.9463	0.000116
110	589615	4139865	4.93	4.93	offsite	0	0	0.000236805	2.77394E-06	0.9258	0.000222	0.000573	6.59E-06	0.9222	0.000535	0.000131	0	0.9378	0.000123	0.00028	5.29E-06	0.9308	0.000266	0.000125	4.79E-06	0.9463	0.000123
111	591515	4139865	4.77	4.77	offsite	0	0	0.002539627	4.34332E-05	0.9258	0.00239454	0.003615	7.78E-05	0.9222	0.003412	0.000478	0	0.9378	0.000448	0.001027	5.08E-05	0.9308	0.001007	0.000304	3.67E-05	0.9463	0.000325
112	591615	4139865	4.49	4.49	offsite	0	0	0.002489754	4.38188E-05	0.9258	0.00234875	0.003561	7.77E-05	0.9222	0.003362	0.000493	0	0.9378	0.000462	0.000964	4.72E-05	0.9308	0.000945	0.000316	3.84E-05	0.9463	0.000337
113	591715	4139865	4.75	4.75	offsite	0	0	0.002356499	4.18265E-05	0.9258	0.0022234	0.003432	7.51E-05	0.9222	0.00324	0.0005	0	0.9378	0.000469	0.000891	4.34E-05	0.9308	0.000873	0.000326	3.93E-05	0.9463	0.000347
114	591815	4139865	4.46	4.46	offsite	0	0	0.002158015	3.83677E-05	0.9258	0.00203619	0.003241	7.08E-05	0.9222	0.003059	0.000499	0	0.9378	0.000468	0.000814	3.97E-05	0.9308	0.000798	0.000332	3.95E-05	0.9463	0.000354
115	591915	4139865	4.63	4.63	offsite	0	0	0.001931447	3.42736E-05	0.9258	0.00182234	0.003008	6.54E-05	0.9222	0.002839	0.000489	0	0.9378	0.000458	0.000739	3.62E-05	0.9308	0.000724	0.000335	3.9E-05	0.9463	0.000356
116	592015	4139865	4.46	4.46	offsite	0	0	0.001695789	3.01269E-05	0.9258	0.00160003	0.002751	5.97E-05	0.9222	0.002597	0.000472	0	0.9378	0.000443	0.000666	3.3E-05	0.9308	0.000653	0.000334	3.81E-05	0.9463	0.000354
117	592115	4139865	4.47	4.47	offsite	0	0	0.00147213	2.62605E-05	0.9258	0.00138911	0.00249	5.4E-05	0.9222	0.00235	0.00045	0	0.9378	0.000422	0.000599	3.01E-05	0.9308	0.000588	0.00033	3.69E-05	0.9463	0.000349
118	592215	4139865	4.48	4.48	offsite	0	0	0.001269254	2.28253E-05	0.9258	0.00119786	0.002235	4.87E-05	0.9222	0.00211	0.000425	0	0.9378	0.000399	0.000538	2.74E-05	0.9308	0.000528	0.000323	3.55E-05	0.9463	0.000341
119	592315	4139865	4.36	4.36	offsite	0	0	0.001091049	1.98536E-05	0.9258	0.00102991	0.001996	4.38E-05	0.9222	0.001885	0.000397	0	0.9378	0.000373	0.000483	2.5E-05	0.9308	0.000475	0.000312	3.39E-05	0.9463	0.00033
120	592415	4139865	4.48	4.48	offsite	0	0	0.000938549	1.73206E-05	0.9258	0.0008862	0.001778	3.94E-05	0.9222	0.001679	0.000369	0	0.9378	0.000346	0.000435	2.29E-05	0.9308	0.000428	0.0003	3.23E-05	0.9463	0.000317
121	592515	4139865	4.63	4.63	offsite	0	0	0.00080949	1.5177E-05	0.9258	0.00076458	0.001582	3.55E-05	0.9222	0.001495	0.000341	0	0.9378	0.00032	0.000392	2.1E-05	0.9308	0.000386	0.000287	3.07E-05	0.9463	0.000302
122	592615	4139865	4.54	4.54	offsite	0	0	0.000701017	1.33694E-05	0.9258	0.00066235	0.001409	3.21E-05	0.9222	0.001331	0.000314	0	0.9378	0.000295	0.000354	1.93E-05	0.9308	0.000349	0.000273	2.91E-05	0.9463	0.000287
123	592715	4139865	4.54	4.54	offsite	0	0	0.000610446	1.18479E-05	0.9258	0.00057698	0.001256	2.91E-05	0.9222	0.001188	0.000289	0	0.9378	0.000271	0.000321	1.78E-05	0.9308	0.000317	0.000258	2.77E-05	0.9463	0.000272
124	592815	4139865	4.38	4.38	offsite	0	0	0.000534895	1.05629E-05	0.9258	0.00050575	0.001124	2.64E-05	0.9222	0.001062	0.000265	0	0.9378	0.000249	0.000292	1.64E-05	0.9308	0.000289	0.000243	2.62E-05	0.9463	0.000256
125	589515	4139965	4.37	4.37	offsite	0	0	0.00022654	2.91382E-06	0.9258	0.00021264	0.000551	7.25E-06	0.9222	0.000515	0.000129	0	0.9378	0.000121	0.000273	5.92E-06	0.9308	0.00026	0.000125	4.83E-06	0.9463	0.000123
126	589615	4139965	4.9	4.9	offsite	0	0	0.000245141	3.08681E-06	0.9258	0.00023003	0.000599	7.58E-06	0.9222	0.00056	0.000139	0	0.9378	0.00013	0.000302	6.14E-06	0.9308	0.000287	0.000132	5.07E-06	0.9463	0.00013
127	591715	4139965	4.36	4.36	offsite	0	0	0.002973798	5.19905E-05	0.9258	0.00280504	0.004173	8.97E-05	0.9222	0.003938	0.000607	0	0.9378	0.00057	0.000973	4.72E-05	0.9308	0.000953	0.000385	4.53E-05	0.9463	0.000409
128	591815	4139965	4.84	4.84	offsite	0	0	0.002584158	4.52153E-05	0.9258	0.00243754	0.003803	8.17E-05	0.9222	0.003589	0.000592	0	0.9378	0.000555	0.000866	4.23E-05	0.9308	0.000848	0.000388	4.48E-05	0.9463	0.000412
129	591915	4139965	4.6	4.6	offsite	0	0	0.002193091	3.85448E-05	0.9258	0.00206884	0.00341	7.33E-05	0.9222	0.003218	0.000567	0	0.9378	0.000532	0.000767	3.79E-05	0.9308	0.000752	0.000387	4.37E-05	0.9463	0.000409
130	592015	4139965	4.72	4.72	offsite	0	0	0.001842638	3.25636E-05	0.9258	0.00173842	0.003022	6.51E-05	0.9222	0.002852	0.000535	0	0.9378	0.000502	0.000678	3.4E-05	0.9308	0.000665	0.00038	4.22E-05	0.9463	0.000402
131	592115	4139965	4.36	4.36	offsite	0	0	0.001537975	2.74712E-05	0.9258	0.00145128	0.002657	5.75E-05	0.9222	0.002508	0.000499	0	0.9378	0.000468	0.000599	3.05E-05	0.9308	0.000588	0.00037	4.03E-05	0.9463	0.00039
132	592215	4139965	4.14	4.14	offsite	0	0	0.001284694	2.32496E-05	0.9258	0.00121258	0.002326	5.08E-05	0.9222	0.002196	0.000461	0	0.9378	0.000432	0.000531	2.75E-05	0.9308	0.000521	0.000356	3.83E-05	0.9463	0.000375
133	592315	4139965	4.47	4.47	offsite	0	0	0.001077427	1.97945E-05	0.9258	0.00101724	0.002033	4.49E-05	0.9222	0.00192	0.000423	0	0.9378	0.000396	0.000471	2.48E-05	0.9308	0.000464	0.00034	3.63E-05	0.9463	0.000358
134	592415	4139965	4.26	4.26	offsite	0	0	0.000908452	1.69785E-05	0.9258	0.00085799	0.001778	3.98E-05	0.9222	0.00168	0.000386	0	0.9378	0.000362	0.00042	2.25E-05	0.9308	0.000414	0.000322	3.43E-05	0.9463	0.000339
135	592515	4139965	4.63	4.63	offsite	0	0	0.000771924	1.46892E-05	0.9258	0.00072931	0.001559	3.55E-05	0.9222	0.001473	0.000351	0	0.9378	0.000329	0.000376	2.05E-05	0.9308	0.000371	0.000304	3.23E-05	0.9463	0.00032
136	592615	4139965	4.36	4.36	offsite	0	0	0.000661326	1.28167E-05	0.9258	0.00062505	0.001371	3.17E-05	0.9222	0.001296	0.000319	0	0.9378	0.000299	0.000338	1.88E-05	0.9308	0.000334	0.000285	3.05E-05	0.9463	0.0003
137	592715	4139965	3.54	3.54	offsite	0	0	0.000571538	1.12782E-05	0.9258	0.00054039	0.00121	2.85E-05	0.9222	0.001145	0.000289	0	0.9378	0.000271	0.000306	1.72E-05	0.9308	0.000302	0.000266	2.87E-05	0.9463	0.000281
138	592815	4139965	4.3	4.3	offsite	0	0	0.000498533	1.00127E-05	0.9258	0.00047154	0.001075	2.57E-05	0.9222	0.001017	0.000263	0	0.9378	0.000247	0.000278	1.59E-05	0.9308	0.000274	0.000249	2.7E-05	0.9463	0.000262
139	589515	4140065	4.7	4.7	offsite	0	0	0.000233505	3.25537E-06	0.9258	0.00021943	0.000572	8.16E-06	0.9222	0.000536	0.000135	0	0.9378	0.000127	0.000291	7.04E-06	0.9308	0.000278	0.000132	5.27E-06	0.9463	0.00013
140	589615	4140065	5.41	5.41	offsite	0	0	0.000253168	3.46739E-06	0.9258	0.00023784	0.000626	8.64E-06	0.9222	0.000585	0.000146	0	0.9378	0.000137	0.000325	7.34E-06	0.9308	0.00031	0.000141	5.47E-06	0.9463	0.000139
141	591715	4140065	4.47	4.47	offsite	0	0	0.003627879	6.26308E-05	0.9258	0.0034212	0.004979	0.000106	0.9222	0.004697	0.000735	0	0.9378	0.000689	0.001028	5E-05	0.9308	0.001007	0.000457	5.22E-05	0.9463	0.000485
142	591815	4140065	3.9	3.9	offsite	0	0	0.00294205	5.11406E-05	0.9258	0.0027748	0.004349	9.25E-05	0.9222	0.004103	0.000696	0	0.9378	0.000653	0.00089	4.39E-05	0.9308	0.000872	0.000454	5.08E-05	0.9463	0.00048
143	591915	4140065	4.58	4.58	offsite	0	0	0.00236766	4.13889E-05	0.9258	0.00223329	0.003753	8.01E-05	0.9222	0.003541	0.000648	0	0.9378	0.000608	0.000771	3.86E-05	0.9308	0.000756	0.000445	4.89E-05	0.9463	0.00047
144	592015	4140065	4.35	4.35	offsite	0	0	0.001897993	3.35628E-05	0.9258	0.00179066	0.003214	6.91E-05	0.9222	0.003033	0.000595	0	0.9378	0.000558	0.000669	3.41E-05	0.9308	0.000657	0.00043	4.65E-05	0.9463	0.000453
145	592115	4140065	4.67	4.67	offsite	0	0	0.001530366	2.74364E-05	0.9258	0.0014442	0.002745	5.96E-05	0.9222	0.002591	0.000541	0	0.9378	0.000508	0.000583	3.03E-05	0.9308	0.000573	0.000411	4.39E-05	0.9463	0.000432
146	592215	4140065	4.42	4.42	offsite	0	0	0.001243157	2.26779E-05	0.9258	0.00117355	0.002345	5.16E-05	0.9222	0.002214	0.000489	0	0.9378	0.000459	0.000511	2.7E-05	0.9308	0.000503	0.000389	4.12E-05	0.9463	0.000409
147	592315	4140065	4.14	4.14	offsite	0	0	0.001021121	1.89801E-05	0.9258	0.0009643	0.002009	4.49E-05	0.9222	0.001897	0.00044	0	0.9378	0.000412	0.00045	2.42E-05	0.9308	0.000443	0.000365	3.87E-05	0.9463	0.000384
148	592415	4140065	4.07	4.07	offsite	0	0	0.000848929	1.60898E-05	0.9258	0.000802	0.001729	3.93E-05	0.9222	0.001633	0.000394	0	0.9378	0.00037	0.000399	2.18E-05	0.9308	0.000393	0.000341	3.62E-05	0.9463	0.000359
149	592515	4140065	4.31	4.31	offsite	0	0	0.000714527	1.38118E-05	0.9258	0.0006753	0.001497	3.46E-05	0.9222	0.001415	0.000353	0	0.9378	0.000331	0.000355	1.98E-05	0.9308	0.000351	0.000317	3.38E-05	0.9463	0.000334
150	592615	4140065	3.48	3.48	offsite	0	0	0.000608712	1.19942E-05	0.9258	0.00057552	0.001304	3.07E-05	0.9222	0.001233	0.000317	0	0.9378	0.000297	0.000319	1.8E-05	0.9308	0.000315	0.000294	3.16E-05	0.9463	0.000309
151	592715	4140065	6.47	6.66	offsite	0	0	0.000523091	1.05327E-05	0.9258	0.00049479	0.001145	2.74E-05	0.9222	0.001083	0.000285	0	0.9378	0.000267	0.000288	1.65E-05	0.9308	0.000284	0.000272	2.95E-05	0.9463	0.000287
152	592815	4140065	5.61	5.61	offsite	0	0	0.000456632	9.34314E-06	0.9258	0.00043208	0.001012	2.46E-05	0.9222	0.000958	0.000256	0	0.9378	0.00024	0.000261	1.52E-05	0.9308	0.000258	0.000251	2.76E-05	0.9463	0.000265
153	591715	4140165	4.28	4.28	offsite	0	0	0.004175445	7.13857E-05	0.9258	0.00393688	0.005761	0.000121	0.9222	0.005434	0.000878	0	0.9378	0.000823	0.001042	5.12E-05	0.9308	0.001021	0.000544	6.02E-05	0.9463	0.000575
154	591815	4140165	3.21	3.21	offsite	0	0	0.003149709	5.42827E-05	0.9258	0.00297018	0.004796	0.000101	0.9222	0.004524	0.000803	0	0.9378	0.000753	0.00088	4.4E-05	0.9308	0.000863	0.000529	5.76E-05	0.9463	0.000558
155	591915	4140165	3.79	3.79	offsite	0	0	0.002391407	4.16932E-05	0.9258	0.00225558	0.00397	8.46E-05	0.9222	0.003746	0.000724	0	0.9378	0.000679	0.000749	3.81E-05	0.9308	0.000735	0.000507	5.44E-05	0.9463	0.000534
156	592015	4140165	3.33	3.33	offsite	0	0	0.001839729	3.25898E-05	0.9258	0.00173575	0.003285	7.09E-05	0.9222	0.0031	0.000646	0	0.9378	0.000606	0.000641	3.32E-05	0.9308	0.00063	0.00048	5.09E-05	0.9463	0.000505
157	592115	4140165	3.67	3.67	offsite	0	0	0.001439432	2.59972E-05	0.9258	0.00135858	0.002728	5.97E-05	0.9222	0.002576	0.000572	0	0.9378	0.000537	0.000553	2.92E-05	0.9308	0.000544	0.00045	4.74E-05	0.9463	0.000473
158	592215	4140165	4.34	4.34	offsite	0	0	0.001146992	2.11628E-05	0.9258	0.00108301	0.002281	5.07E-05	0.9222	0.002154	0.000505	0	0.9378	0.000474	0.000481	2.59E-05	0.9308	0.000473	0.000418	4.4E-05	0.9463	0.000439
159	592315	4140165	4.72	4.72	offsite	0	0	0.000930438	1.75576E-05	0.9258	0.00087893	0.001922	4.35E-05	0.9222	0.001816	0.000446	0	0.9378	0.000418	0.000421	2.31E-05	0.9308	0.000415	0.000386	4.08E-05	0.9463	0.000406
160	592415	4140165	4.28	4.28	offsite	0	0	0.000768624	1.48212E-05	0.9258	0.00072639	0.001634	3.77E-05	0.9222	0.001544	0.000393	0	0.9378	0.000369	0.000372	2.07E-05	0.9308	0.000367	0.000355	3.78E-05	0.9463	0.000374
161	592515	4140165	3.84	3.84	offsite	0	0	0.000645354	1.27055E-05	0.9258	0.00061015	0.001402	3.29E-05	0.9222	0.001326	0.000348	0	0.9378	0.000326	0.000331	1.88E-05	0.9308	0.000327	0.000325	3.5E-05	0.9463	0.000343
162	592615	4140165	4.39	4.39	offsite	0	0	0.000550028	1.10467E-05	0.9258	0.00052024	0.001215	2.91E-05	0.9222	0.00115	0.000308	0	0.9378	0.000289	0.000297	1.71E-05	0.9308	0.000294	0.000298	3.24E-05	0.9463	0.000314
163	592715	4140165	5.53	5.53	offsite	0	0	0.000474198	9.7259E-06	0.9258	0.00044872	0.001064	2.59E-05	0.9222	0.001007	0.000275	0	0.9378	0.000258	0.000269	1.56E-05	0.9308	0.000266	0.000272	3E-05	0.9463	0.000288
164	592815	4140165	5.91	8.68	offsite	0	0	0.000414479	8.65099E-06	0.9258	0.00039236	0.000939	2.32E-05	0.9222	0.000889	0.000246	0	0.9378	0.00023	0.000244	1.43E-05	0.9308	0.000242	0.000249	2.79E-05	0.9463	0.000264
165	591315	4140265	3.69	3.69	park			0.018832188	0.000280445	0.9258	0.01771468	0.014525	0.000273	0.9222	0.013667	0.001371	0	0.9378	0.001286	0.002304	0.000109	0.9308	0.002253	0.000648	7.18E-05	0.9463	0.000685
166	591415	4140265	3.92	3.92	park			0.01355059	0.000214704	0.9258	0.0127594	0.012241	0.000241	0.9222	0.01153	0.001335	0	0.9378	0.001252	0.001862	8.85E-05	0.9308	0.001822	0.00067	7.49E-05	0.9463	0.000709
167	591615	4140265	4.63	4.63	offsite	0	0	0.006471163	0.000108414	0.9258	0.00609921	0.008054	0.000166	0.9222	0.007594	0.001146	0	0.9378	0.001075	0.001228	6.01E-05	0.9308	0.001203	0.000667	7.29E-05	0.9463	0.000704
168	591715	4140265	4.75	4.75	offsite	0	0	0.004425984	7.45564E-05	0.9258	0.00417199	0.006375	0.000133	0.9222	0.006012	0.001024	0	0.9378	0.00096	0.001009	5.02E-05	0.9308	0.000989	0.000644	6.93E-05	0.9463	0.000679
169	591815	4140265	3.38	3.38	offsite	0	0	0.003093935	5.28388E-05	0.9258	0.0029171	0.005034	0.000106	0.9222	0.004749	0.0009	0	0.9378	0.000844	0.000837	4.25E-05	0.9308	0.000822	0.000611	6.48E-05	0.9463	0.000643
170	591915	4140265	3.74	3.74	park			0.002236474	3.89282E-05	0.9258	0.00210938	0.003997	8.54E-05	0.9222	0.003771	0.000784	0	0.9378	0.000735	0.000702	3.64E-05	0.9308	0.00069	0.000571	6.01E-05	0.9463	0.0006

				Phase -->				1				2				3				4				5			
No.	X	Y	ELEV	HILL	Group	Group		DPM conc	PM2.5 dust	DPM→PM2.5	avg annual con	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co
171	592015	4140265	2.77	2.77	offsite	0	0	0.001668908	2.97553E-05	0.9258	0.00157478	0.003204	6.96E-05	0.9222	0.003024	0.000678	0	0.9378	0.000636	0.000596	3.15E-05	0.9308	0.000586	0.000527	5.53E-05	0.9463	0.000554
172	592115	4140265	4.19	4.19	offsite	0	0	0.001283715	2.35031E-05	0.9258	0.00121193	0.0026	5.75E-05	0.9222	0.002455	0.000586	0	0.9378	0.00055	0.000511	2.75E-05	0.9308	0.000503	0.000484	5.07E-05	0.9463	0.000508
173	592215	4140265	4.17	4.17	offsite	0	0	0.001014771	1.9081E-05	0.9258	0.00095852	0.002138	4.82E-05	0.9222	0.00202	0.000507	0	0.9378	0.000475	0.000443	2.43E-05	0.9308	0.000437	0.000441	4.64E-05	0.9463	0.000463
174	592315	4140265	4.02	4.02	offsite	0	0	0.000822049	1.58567E-05	0.9258	0.00077688	0.001782	4.1E-05	0.9222	0.001684	0.000439	0	0.9378	0.000412	0.000388	2.16E-05	0.9308	0.000383	0.0004	4.25E-05	0.9463	0.000421
175	592415	4140265	3.28	3.28	offsite	0	0	0.000680346	1.34386E-05	0.9258	0.00064328	0.001504	3.53E-05	0.9222	0.001423	0.000382	0	0.9378	0.000358	0.000343	1.94E-05	0.9308	0.000339	0.000362	3.89E-05	0.9463	0.000381
176	592515	4140265	3.87	3.87	offsite	0	0	0.000574027	1.15845E-05	0.9258	0.000543	0.001287	3.08E-05	0.9222	0.001218	0.000334	0	0.9378	0.000313	0.000306	1.76E-05	0.9308	0.000303	0.000327	3.56E-05	0.9463	0.000345
177	592615	4140265	4.61	4.61	offsite	0	0	0.000492099	1.01318E-05	0.9258	0.0004657	0.001115	2.71E-05	0.9222	0.001055	0.000294	0	0.9378	0.000276	0.000276	1.6E-05	0.9308	0.000272	0.000296	3.27E-05	0.9463	0.000313
178	592715	4140265	7.42	8.59	path			0.000423709	8.9691E-06	0.9258	0.00040123	0.000975	2.41E-05	0.9222	0.000924	0.000261	0	0.9378	0.000244	0.000249	1.47E-05	0.9308	0.000247	0.000269	3.01E-05	0.9463	0.000284
179	592815	4140265	4	8.68	path			0.000377892	8.02735E-06	0.9258	0.00035787	0.000863	2.17E-05	0.9222	0.000818	0.000232	0	0.9378	0.000217	0.000228	1.35E-05	0.9308	0.000226	0.000243	2.77E-05	0.9463	0.000258
180	590915	4140365	5.73	5.73	Phase2	2		0	0.000259363	0.9258	0.00025936	0	0	0.9222	0	0.001604	0	0.9378	0.001505	0.007249	0.000324	0.9308	0.007071	0.000647	4.73E-05	0.9463	0.000659
181	591015	4140365	5.56	5.56	Phase1	1		0	0.002705559	0.9258	0.00270556	0.059842	0.001076	0.9222	0.056261	0.001847	0	0.9378	0.001732	0.005595	0.000256	0.9308	0.005464	0.000707	6.19E-05	0.9463	0.000731
182	591115	4140365	3.47	3.47	Phase1	1		0	0.003090321	0.9258	0.00309032	0.037997	0.000636	0.9222	0.035677	0.001989	0	0.9378	0.001865	0.004216	0.000195	0.9308	0.00412	0.000768	7.59E-05	0.9463	0.000803
183	591215	4140365	4.5	7.04	Phase1	1		0	0.00282384	0.9258	0.00282384	0.028579	0.000495	0.9222	0.02685	0.00201	0	0.9378	0.001885	0.003187	0.000148	0.9308	0.003115	0.000819	8.64E-05	0.9463	0.000862
184	591415	4140365	3.64	13.54	park			0.022414166	0.000360825	0.9258	0.02111114	0.016676	0.000328	0.9222	0.015706	0.001764	0	0.9378	0.001654	0.001862	8.87E-05	0.9308	0.001822	0.000859	9.33E-05	0.9463	0.000906
185	591615	4140365	4.61	4.61	offsite	0	0	0.00674338	0.000110645	0.9258	0.00635345	0.008979	0.000185	0.9222	0.008465	0.001353	0	0.9378	0.001269	0.001156	5.72E-05	0.9308	0.001133	0.000804	8.54E-05	0.9463	0.000846
186	591715	4140365	4.76	4.76	school			0.00414174	6.85364E-05	0.9258	0.00390283	0.006616	0.000138	0.9222	0.006238	0.001152	0	0.9378	0.00108	0.000934	4.72E-05	0.9308	0.000916	0.000752	7.9E-05	0.9463	0.000791
187	591815	4140365	3.34	3.34	school			0.002741356	4.65636E-05	0.9258	0.00258442	0.00496	0.000105	0.9222	0.004679	0.000971	0	0.9378	0.000911	0.000767	3.96E-05	0.9308	0.000753	0.000692	7.22E-05	0.9463	0.000727
188	591915	4140365	3.51	3.51	school			0.001929377	3.39069E-05	0.9258	0.00182006	0.003799	8.16E-05	0.9222	0.003585	0.000816	0	0.9378	0.000766	0.00064	3.37E-05	0.9308	0.000629	0.000629	6.54E-05	0.9463	0.00066
189	592015	4140365	3.24	3.24	offsite	0	0	0.001426593	2.59786E-05	0.9258	0.00134667	0.002973	6.53E-05	0.9222	0.002807	0.000686	0	0.9378	0.000644	0.000541	2.91E-05	0.9308	0.000533	0.000566	5.91E-05	0.9463	0.000595
190	592115	4140365	2.61	2.61	offsite	0	0	0.001097874	2.06783E-05	0.9258	0.00103705	0.002376	5.34E-05	0.9222	0.002244	0.000579	0	0.9378	0.000543	0.000464	2.55E-05	0.9308	0.000458	0.000507	5.33E-05	0.9463	0.000533
191	592215	4140365	3.46	3.46	offsite	0	0	0.000873432	1.6957E-05	0.9258	0.00082555	0.001937	4.45E-05	0.9222	0.001831	0.000491	0	0.9378	0.000461	0.000403	2.25E-05	0.9308	0.000398	0.000453	4.81E-05	0.9463	0.000477
192	592315	4140365	3.12	3.12	offsite	0	0	0.000713856	1.42323E-05	0.9258	0.0006751	0.001608	3.78E-05	0.9222	0.001521	0.00042	0	0.9378	0.000394	0.000354	2.01E-05	0.9308	0.00035	0.000404	4.34E-05	0.9463	0.000426
193	592415	4140365	3.86	3.86	offsite	0	0	0.000597132	1.21804E-05	0.9258	0.00056499	0.001358	3.25E-05	0.9222	0.001285	0.000362	0	0.9378	0.000339	0.000315	1.81E-05	0.9308	0.000311	0.000361	3.93E-05	0.9463	0.000381
194	592515	4140365	3.6	3.6	offsite	0	0	0.00050905	1.05909E-05	0.9258	0.00048185	0.001164	2.84E-05	0.9222	0.001102	0.000314	0	0.9378	0.000294	0.000282	1.64E-05	0.9308	0.000279	0.000323	3.57E-05	0.9463	0.000341
195	592615	4140365	3.76	8.53	offsite	0	0	0.000441219	9.33444E-06	0.9258	0.0004178	0.001012	2.51E-05	0.9222	0.000958	0.000275	0	0.9378	0.000258	0.000255	1.5E-05	0.9308	0.000252	0.000289	3.25E-05	0.9463	0.000306
196	592715	4140365	3.63	8.57	path			0.000387766	8.32023E-06	0.9258	0.0003673	0.00089	2.24E-05	0.9222	0.000843	0.000243	0	0.9378	0.000228	0.000232	1.38E-05	0.9308	0.00023	0.00026	2.97E-05	0.9463	0.000275
197	590815	4140465	7.69	7.69	Phase2	2		0	0.000142138	0.9258	0.00014214	0	0	0.9222	0	0.002297	0	0.9378	0.002155	0.024278	0.001075	0.9308	0.023674	0.000799	4.75E-05	0.9463	0.000804
198	590915	4140465	2.98	8.04	Phase2	2		0	0.000275957	0.9258	0.00027596	0	0	0.9222	0	0.002956	0	0.9378	0.002772	0.010664	0.000485	0.9308	0.010411	0.000898	6.67E-05	0.9463	0.000917
199	591015	4140465	8.67	10.34	Phase2	2		0	0.00047627	0.9258	0.00047627	0	0	0.9222	0	0.003318	0	0.9378	0.003112	0.007126	0.000316	0.9308	0.006949	0.000987	8.73E-05	0.9463	0.001021
200	591115	4140465	6.33	6.33	Phase2	2		0	0.000785559	0.9258	0.00078556	0	0	0.9222	0	0.003287	0	0.9378	0.003083	0.004647	0.000212	0.9308	0.004537	0.001077	0.000106	0.9463	0.001124
201	591215	4140465	4.21	4.21	Phase1	1		0	0.002715396	0.9258	0.0027154	0.068479	0.0013	0.9222	0.06445	0.00304	0	0.9378	0.002851	0.003227	0.000149	0.9308	0.003153	0.001126	0.000117	0.9463	0.001183
202	591315	4140465	3.82	13.54	Phase1	1		0	0.003082309	0.9258	0.00308231	0.039203	0.0007	0.9222	0.036853	0.002673	0	0.9378	0.002507	0.002323	0.000109	0.9308	0.002271	0.001134	0.00012	0.9463	0.001193
203	591515	4140465	8.62	12.23	offsite	0	0	0.013200389	0.000189209	0.9258	0.0124097	0.014505	0.000286	0.9222	0.013662	0.001887	0	0.9378	0.001769	0.001317	6.44E-05	0.9308	0.00129	0.001044	0.000109	0.9463	0.001097
204	591615	4140465	3.6	3.6	offsite	0	0	0.005779964	9.04327E-05	0.9258	0.00544134	0.009157	0.000187	0.9222	0.008631	0.001525	0	0.9378	0.00143	0.001035	5.21E-05	0.9308	0.001016	0.000952	9.9E-05	0.9463	0.001
205	591715	4140465	3.18	3.18	offsite	0	0	0.00336341	5.52127E-05	0.9258	0.00316895	0.006305	0.000131	0.9222	0.005945	0.001233	0	0.9378	0.001157	0.000831	4.29E-05	0.9308	0.000817	0.000857	8.88E-05	0.9463	0.0009
206	591815	4140465	3.2	3.2	school			0.002208643	3.82346E-05	0.9258	0.00208292	0.004544	9.63E-05	0.9222	0.004286	0.000998	0	0.9378	0.000936	0.000682	3.6E-05	0.9308	0.000671	0.000763	7.89E-05	0.9463	0.000801
207	591915	4140465	2.66	2.66	offsite	0	0	0.001569302	2.85033E-05	0.9258	0.00148131	0.003402	7.41E-05	0.9222	0.003212	0.000811	0	0.9378	0.000761	0.00057	3.07E-05	0.9308	0.000561	0.000673	6.99E-05	0.9463	0.000707
208	592015	4140465	2.88	2.88	offsite	0	0	0.001179326	2.23144E-05	0.9258	0.0011141	0.002634	5.89E-05	0.9222	0.002488	0.000665	0	0.9378	0.000624	0.000484	2.67E-05	0.9308	0.000477	0.000591	6.18E-05	0.9463	0.000621
209	592115	4140465	3.2	3.2	offsite	0	0	0.000924088	1.80886E-05	0.9258	0.00087358	0.002098	4.82E-05	0.9222	0.001983	0.000551	0	0.9378	0.000517	0.000417	2.34E-05	0.9308	0.000412	0.000518	5.48E-05	0.9463	0.000545
210	592215	4140465	3.08	3.08	offsite	0	0	0.000747953	1.50569E-05	0.9258	0.00070749	0.001712	4.03E-05	0.9222	0.001619	0.000461	0	0.9378	0.000433	0.000365	2.08E-05	0.9308	0.00036	0.000454	4.87E-05	0.9463	0.000478
211	592315	4140465	3.11	3.11	offsite	0	0	0.000621383	1.2799E-05	0.9258	0.00058805	0.001428	3.44E-05	0.9222	0.001351	0.000391	0	0.9378	0.000366	0.000323	1.87E-05	0.9308	0.000319	0.000399	4.34E-05	0.9463	0.000421
212	592415	4140465	3.68	5.55	offsite	0	0	0.000527455	1.1073E-05	0.9258	0.00049937	0.001213	2.98E-05	0.9222	0.001148	0.000334	0	0.9378	0.000314	0.000288	1.69E-05	0.9308	0.000285	0.000352	3.89E-05	0.9463	0.000372
213	592515	4140465	3.89	3.89	offsite	0	0	0.000455653	9.71394E-06	0.9258	0.00043154	0.001047	2.62E-05	0.9222	0.000992	0.00029	0	0.9378	0.000272	0.00026	1.54E-05	0.9308	0.000257	0.000311	3.5E-05	0.9463	0.00033
214	592615	4140465	3.63	8.47	path			0.000399458	8.63163E-06	0.9258	0.00037844	0.000916	2.33E-05	0.9222	0.000868	0.000253	0	0.9378	0.000238	0.000236	1.41E-05	0.9308	0.000234	0.000277	3.17E-05	0.9463	0.000294
215	592715	4140465	5.15	8.52	path			0.000353893	7.75306E-06	0.9258	0.00033538	0.000813	2.09E-05	0.9222	0.00077	0.000224	0	0.9378	0.00021	0.000216	1.3E-05	0.9308	0.000215	0.000248	2.88E-05	0.9463	0.000263
216	590615	4140565	2.81	6.9	Phase4	4		0	6.40461E-05	0.9258	6.4046E-05	0	0	0.9222	0	0	0	0.9378	0	0	0.004319	0.9308	0.004319	0.000863	3.44E-05	0.9463	0.000851
217	590715	4140565	7.46	7.46	Phase4	4		0	9.58182E-05	0.9258	9.5818E-05	0	0	0.9222	0	0	0	0.9378	0	0	0.00419	0.9308	0.00419	0.001006	4.66E-05	0.9463	0.000998
218	590815	4140565	7.28	8.15	Phase2	2		0	0.000145768	0.9258	0.00014577	0	0	0.9222	0	0.005565	0	0.9378	0.005219	0.035117	0.001392	0.9308	0.03408	0.001168	6.93E-05	0.9463	0.001175
219	590915	4140565	7.4	7.4	Phase2	2		0	0.000213216	0.9258	0.00021322	0	0	0.9222	0	0.007119	0	0.9378	0.006676	0.013769	0.000608	0.9308	0.013424	0.001342	0.000101	0.9463	0.001371
220	591015	4140565	9.93	9.93	Phase2	2		0	0.000284441	0.9258	0.00028444	0	0	0.9222	0	0.006869	0	0.9378	0.006442	0.007568	0.000321	0.9308	0.007366	0.001483	0.00013	0.9463	0.001533
221	591115	4140565	9.16	9.16	Phase2	2		0	0.000361133	0.9258	0.00036113	0	0	0.9222	0	0.005707	0	0.9378	0.005353	0.004469	0.000196	0.9308	0.004356	0.001582	0.000153	0.9463	0.00165
222	591215	4140565	8.96	8.96	Phase2	2		0	0.000457413	0.9258	0.00045741	0	0	0.9222	0	0.004606	0	0.9378	0.00432	0.002914	0.000132	0.9308	0.002845	0.001594	0.00016	0.9463	0.001669
223	591315	4140565	4.72	7.76	Phase2	2		0	0.000599732	0.9258	0.00059973	0	0	0.9222	0	0.003599	0	0.9378	0.003375	0.002036	9.6E-05	0.9308	0.001991	0.001515	0.000157	0.9463	0.00159
224	591715	4140565	3.05	3.05	offsite	0	0	0.002481531	4.2988E-05	0.9258	0.00234031	0.00547	0.000114	0.9222	0.005158	0.001242	0	0.9378	0.001165	0.000722	3.83E-05	0.9308	0.00071	0.000945	9.71E-05	0.9463	0.000992
225	591815	4140565	3.45	3.45	offsite	0	0	0.001710809	3.13619E-05	0.9258	0.00161517	0.003887	8.38E-05	0.9222	0.003669	0.000969	0	0.9378	0.000908	0.000597	3.25E-05	0.9308	0.000588	0.000812	8.38E-05	0.9463	0.000852
226	591915	4140565	3.37	3.37	offsite	0	0	0.001264079	2.41501E-05	0.9258	0.00119439	0.002907	6.48E-05	0.9222	0.002745	0.000767	0	0.9378	0.000719	0.000503	2.79E-05	0.9308	0.000496	0.000695	7.24E-05	0.9463	0.000731
227	592015	4140565	2.35	2.35	offsite	0	0	0.000979919	1.93235E-05	0.9258	0.0009265	0.002261	5.2E-05	0.9222	0.002137	0.000617	0	0.9378	0.000579	0.000431	2.44E-05	0.9308	0.000425	0.000596	6.28E-05	0.9463	0.000627
228	592115	4140565	3.13	3.13	offsite	0	0	0.000787812	1.59223E-05	0.9258	0.00074525	0.001816	4.3E-05	0.9222	0.001718	0.000505	0	0.9378	0.000474	0.000375	2.16E-05	0.9308	0.000371	0.000512	5.48E-05	0.9463	0.000539
229	592215	4140565	2.74	3.01	offsite	0	0	0.00065106	1.34225E-05	0.9258	0.00061615	0.001498	3.63E-05	0.9222	0.001417	0.00042	0	0.9378	0.000394	0.000331	1.93E-05	0.9308	0.000327	0.000442	4.8E-05	0.9463	0.000466
230	592315	4140565	3.18	3.18	offsite	0	0	0.000550447	1.15307E-05	0.9258	0.00052112	0.001262	3.12E-05	0.9222	0.001195	0.000355	0	0.9378	0.000333	0.000295	1.74E-05	0.9308	0.000292	0.000384	4.24E-05	0.9463	0.000405
231	592415	4140565	3.07	8.42	offsite	0	0	0.000473918	1.00613E-05	0.9258	0.0004488	0.001083	2.73E-05	0.9222	0.001026	0.000304	0	0.9378	0.000285	0.000265	1.58E-05	0.9308	0.000263	0.000335	3.77E-05	0.9463	0.000355
232	592515	4140565	3.32	8.4	path			0.000414479	8.89864E-06	0.9258	0.00039261	0.000945	2.42E-05	0.9222	0.000895	0.000263	0	0.9378	0.000247	0.000241	1.45E-05	0.9308	0.000239	0.000295	3.37E-05	0.9463	0.000312
233	592615	4140565	7.45	8.26	path			0.000362368	7.95995E-06	0.9258	0.00034343	0.000834	2.16E-05	0.9222	0.000791	0.000232	0	0.9378	0.000217	0.00022	1.34E-05	0.9308	0.000218	0.000261	3.03E-05	0.9463	0.000277
234	590515	4140665	6.23	7.85	Phase4	4		0	5.18889E-05	0.9258	5.1889E-05	0	0	0.9222	0	0	0	0.9378	0	0	0.004322	0.9308	0.004322	0.000965	3.49E-05	0.9463	0.000948
235	590615	4140665	7.56	9.05	Phase4	4		0	7.04335E-05	0.9258	7.0433E-05	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0.001232	4.59E-05	0.9463	0.001211
236	590715	4140665	7.51	8.57	Phase4	4		0	9.57543E-05	0.9258	9.5754E-05	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0.001556	6.86E-05	0.9463	0.001541
237	590815	4140665	5.96	5.96	Phase3	3		0	0.000127404	0.9258	0.0001274	0	0	0.9222	0	0	0	0.9378	0	0.046217	0.002255	0.9308	0.045275	0.00194	0.000116	0.9463	0.001951
238	590915	4140665	8.13	8.13	Phase3	3		0	0.000160666	0.9258	0.00016067	0	0	0.9222	0	0	0	0.9378	0	0.012877	0.000516	0.9308	0.012502	0.002246	0.00017	0.9463	0.002296
239	591015	4140665	9.54	9.54	Phase2	2		0	0.000189102	0.9258	0.0001891	0	0	0.9222	0	0.018998	0	0.9378	0.017817	0.006144	0.000257	0.9308	0.005976	0.002414	0.000211	0.9463	0.002495
240	591115	4140665	8.35	8.35	Phase2	2		0	0.000209325	0.9258	0.00020933	0	0	0.9222	0	0.010317	0	0.9378	0.009676	0.003603	0.00016	0.9308	0.003513	0.002409	0.00023	0.9463	0.00251
241	591215	4140665	7.74	7.74	Phase2	2		0	0.000210951	0.9258	0.00021095	0	0	0.9222	0	0.006735	0	0.9378	0.006317	0.002359	0.00011	0.9308	0.002305	0.00225	0.000224	0.9463	0.002353
242	591315	4140665	5.84	7.22	offsite	2	residential		0.000169716	0.9258	0.00016972	0	0	0.9222	0	0.004599	0	0.9378	0.004313	0.001666	8.08E-05	0.9308	0.001632	0.001992	0.000202	0.9463	0.002087
243	591915	4140665	2.89	2.89	offsite	0	0	0.001049344	2.11291E-05	0.9258	0.00099258	0.00243	5.62E-05	0.9222	0.002297	0.00069	0	0.9378	0.000647	0.000445	2.55E-05	0.9308	0.00044	0.00069	7.24E-05	0.9463	0.000725
244	592015	4140665	0.58	0.58	offsite	0	0	0.000838132	1.72524E-05	0.9258	0.00079317	0.001923	4.58E-05	0.9222	0.001819	0.000551	0	0.9378	0.000517	0.000386	2.24E-05	0.9308	0.000381	0.000578	6.16E-05	0.9463	0.000609
245	592115	4140665	0.84	0.84	offsite	0	0	0.000689549	1.43967E-05	0.9258	0.00065276	0.001571	3.83E-05	0.9222	0.001487	0.00045	0	0.9378	0.000422	0.000339	2E-05	0.9308	0.000336	0.000489	5.3E-05	0.9463	0.000516
246	592215	4140665	2.07	8.29	offsite	0	0	0.000580712	1.224E-05	0.9258	0.00054984	0.001316	3.27E-05	0.9222	0.001247	0.000374	0	0.9378	0.000351	0.000302	1.8E-05	0.9308	0.000299	0.000418	4.61E-05	0.9463	0.000441
247	592315	4140665	7.57	8.32	path			0.000490337	1.05871E-05	0.9258	0.00046453	0.001122	2.84E-05	0.9222	0.001064	0.000318	0	0.9378	0.000298	0.000271	1.63E-05	0.9308	0.000268	0.00036	4.04E-05	0.9463	0.000381
248	592415	4140665	3.32	8.06	path			0.000434311	9.27917E-06	0.9258	0.00041135	0.000978	2.5E-05	0.9222	0.000927	0.000273	0	0.9378	0.000256	0.000246	1.49E-05	0.9308	0.000244	0.000312	3.57E-05	0.9463	0.000331
249	592515	4140665	4.93	8.51	path			0.000383095	8.2401E-06	0.9258	0.0003629	0.000862	2.23E-05	0.9222	0.000818	0.000239	0	0.9378	0.000224	0.000225	1.37E-05	0.9308	0.000224	0.000274	3.19E-05	0.9463	0.000291
250	590515	4140765	6.09	6.81	Phase4	4		0	5.43719E-05	0.9258	5.4372E-05	0	0	0.9222	0	0	0	0.9378	0	0	0.004554	0.9308	0.004554	0.001337	5.02E-05	0.9463	0.001315
251	590615	4140765	7.47	7.47	Phase4	4		0	6.91012E-05	0.9258	6.9101E-05	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0.001943	6.81E-05	0.9463	0.001907
252	590715	4140765	7.57	7.57	Phase4	4		0	8.6354E-05	0.9258	8.6354E-05	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0.002901	0.000124	0.9463	0.002869
253	590815	4140765	7.99	8.34	Phase3	3		0	0.000104344	0.9258	0.00010434	0	0	0.9222	0	0	0	0.9378	0	0.021065	0.000777	0.9308	0.020384	0.003921	0.000248	0.9463	0.003958
254	590915	4140765	9.61	9.61	Phase3	3		0	0.000119426	0.9258	0.00011943	0	0	0.9222	0	0	0	0.9378	0	0.008051	0.000324	0.9308	0.007819	0.004304	0.000333	0.9463	0.004406
255	591015	4140765	11.11	11.11	Phase3	3		0	0.000127876	0.9258	0.00012788	0	0	0.9222	0	0	0	0.9378	0	0.004091	0.000183	0.9308	0.00399	0.004195	0.000366	0.9463	0.004335

Construction HRA

Risk Calculations - PM2.5 Dust - Unmitigated

				Phase -->				1				2				3				4				5			
No.	X	Y	ELEV	HILL	Group	Group		DPM conc	PM2.5 dust	DPM→PM2.5	avg annual con	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co
256	591115	4140765	7.91	7.91	Phase2	2		0	0.000126567	0.9258	0.00012657	0	0	0.9222	0	0.023474	0	0.9378	0.022015	0.002678	0.000124	0.9308	0.002617	0.003709	0.000353	0.9463	0.003863
257	591215	4140765	6.84	6.84	Phase2	2		0	0.000111475	0.9258	0.00011147	0	0	0.9222	0	0.01005	0	0.9378	0.009426	0.001833	8.94E-05	0.9308	0.001796	0.003101	0.000307	0.9463	0.003242
258	592015	4140765	1.63	8.34	offsite	0	0	0.000735506	1.54731E-05	0.9258	0.00069638	0.00166	4.09E-05	0.9222	0.001572	0.000479	0	0.9378	0.000449	0.000351	2.07E-05	0.9308	0.000347	0.000542	5.85E-05	0.9463	0.000571
259	592115	4140765	4.58	8.1	path			0.000617215	1.32142E-05	0.9258	0.00058461	0.001384	3.46E-05	0.9222	0.001311	0.000394	0	0.9378	0.00037	0.000312	1.86E-05	0.9308	0.000309	0.000454	4.99E-05	0.9463	0.00048
260	592215	4140765	3.32	8.32	path			0.000527958	1.14024E-05	0.9258	0.00050017	0.001177	2.98E-05	0.9222	0.001115	0.000331	0	0.9378	0.00031	0.00028	1.68E-05	0.9308	0.000277	0.000385	4.32E-05	0.9463	0.000407
261	592315	4140765	6.95	8.2	path			0.000453527	9.95075E-06	0.9258	0.00042981	0.001019	2.61E-05	0.9222	0.000965	0.000283	0	0.9378	0.000265	0.000253	1.53E-05	0.9308	0.000251	0.00033	3.77E-05	0.9463	0.00035
262	590515	4140865	3.26	3.26	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
263	590615	4140865	3.35	3.35	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
264	590715	4140865	3.94	22.32	offsite	5	daycare		7.37285E-05	0.9258	7.3728E-05	0	0	0.9222	0	0	0	0.9378	0	0	0.000863	0.9308	0.000863	0	0.002019	0.9463	0.002019
265	590815	4140865	6.96	22.32	Phase3	3		0	8.28062E-05	0.9258	8.2806E-05	0	0	0.9222	0	0	0	0.9378	0	0.009233	0.000346	0.9308	0.00894	0.012059	0.000883	0.9463	0.012294
266	590915	4140865	7.14	7.14	Phase3	3		0	8.80949E-05	0.9258	8.8095E-05	0	0	0.9222	0	0	0	0.9378	0	0.004884	0.000201	0.9308	0.004747	0.009662	0.00078	0.9463	0.009923
267	591015	4140865	8.47	9.2	Phase3	3		0	8.76697E-05	0.9258	8.767E-05	0	0	0.9222	0	0	0	0.9378	0	0.002909	0.000134	0.9308	0.002842	0.007644	0.000681	0.9463	0.007914
268	591115	4140865	7.45	9.44	Phase3	3		0	8.08838E-05	0.9258	8.0884E-05	0	0	0.9222	0	0	0	0.9378	0	0.001985	9.71E-05	0.9308	0.001945	0.005604	0.00054	0.9463	0.005843
269	591215	4140865	3.69	9.28	offsite	3	residential		6.82145E-05	0.9258	6.8215E-05	0	0	0.9222	0	0	0	0.9378	0	0.001438	7.38E-05	0.9308	0.001413	0.004009	0.000401	0.9463	0.004195
270	591315	4140865	7.99	9.89	Phase7	7		0	5.29061E-05	0.9258	5.2906E-05	0	0	0.9222	0	0	0	0.9378	0	0	5.78E-05	0.9308	5.78E-05	0	0.000291	0.9463	0.000291
271	591915	4140865	6.17	7.98	path			0.000766694	1.57731E-05	0.9258	0.00072555	0.001764	4.38E-05	0.9222	0.001671	0.000509	0	0.9378	0.000477	0.000366	2.15E-05	0.9308	0.000362	0.000598	6.42E-05	0.9463	0.00063
272	592115	4140865	3.1	8.4	path			0.000557021	1.18874E-05	0.9258	0.00052756	0.001241	3.17E-05	0.9222	0.001176	0.000345	0	0.9378	0.000323	0.00029	1.73E-05	0.9308	0.000287	0.00041	4.59E-05	0.9463	0.000434
273	590515	4140965	3.15	3.15	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
274	590615	4140965	2.82	22.32	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
275	590715	4140965	5.28	24.93	Phase5	5		0	6.10413E-05	0.9258	6.1041E-05	0	0	0.9222	0	0	0	0.9378	0	0	0.000298	0.9308	0.000298	0	0	0.9463	0
276	590815	4140965	14.22	22.32	Phase5	5		0	6.51971E-05	0.9258	6.5197E-05	0	0	0.9222	0	0	0	0.9378	0	0	0.000177	0.9308	0.000177	0	0.002967	0.9463	0.002967
277	590915	4140965	3.66	25.03	Phase5	5		0	6.52822E-05	0.9258	6.5282E-05	0	0	0.9222	0	0	0	0.9378	0	0	0.000134	0.9308	0.000134	0	0	0.9463	0
278	591015	4140965	6.91	20.57	Phase3	3		0	6.19536E-05	0.9258	6.1954E-05	0	0	0.9222	0	0	0	0.9378	0	0.002094	9.95E-05	0.9308	0.002049	0.016964	0.001617	0.9463	0.017669
279	591115	4140965	7.74	7.74	Phase3	3		0	5.52441E-05	0.9258	5.5244E-05	0	0	0.9222	0	0	0	0.9378	0	0.001512	7.7E-05	0.9308	0.001485	0.007975	0.0008	0.9463	0.008346
280	591215	4140965	3.8	8.29	Phase7	7		0	4.63963E-05	0.9258	4.6396E-05	0	0	0.9222	0	0	0	0.9378	0	0	6.14E-05	0.9308	6.14E-05	0	0.000473	0.9463	0.000473
281	591315	4140965	9.1	9.1	Phase7	7		0	3.73716E-05	0.9258	3.7372E-05	0	0	0.9222	0	0	0	0.9378	0	0	4.97E-05	0.9308	4.97E-05	0	0.0003	0.9463	0.0003
282	591415	4140965	9.88	9.88	Phase7	7		0	3.00715E-05	0.9258	3.0071E-05	0	0	0.9222	0	0	0	0.9378	0	0	4.08E-05	0.9308	4.08E-05	0	0.000204	0.9463	0.000204
283	591515	4140965	11.54	11.8	Phase8	8		0	2.43874E-05	0.9258	2.4387E-05	0	0	0.9222	0	0	0	0.9378	0	0	3.4E-05	0.9308	3.4E-05	0	0.000147	0.9463	0.000147
284	591615	4140965	6.88	13.36	Phase8	8		0	2.06759E-05	0.9258	2.0676E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.98E-05	0.9308	2.98E-05	0	0.000111	0.9463	0.000111
285	591915	4140965	3.01	7.86	path			0.000671256	1.36013E-05	0.9258	0.00063503	0.001551	3.9E-05	0.9222	0.001469	0.000435	0	0.9378	0.000408	0.00034	2E-05	0.9308	0.000336	0.000527	5.79E-05	0.9463	0.000557
286	592015	4140965	3.56	3.56	offsite	0	0	0.000577803	1.2009E-05	0.9258	0.00054692	0.001313	3.36E-05	0.9222	0.001244	0.000361	0	0.9378	0.000338	0.000303	1.79E-05	0.9308	0.0003	0.000434	4.88E-05	0.9463	0.000459
287	590515	4141065	2.84	2.84	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
288	590615	4141065	3.23	22.82	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
289	590715	4141065	10.68	24.93	Phase5	5		0	4.9911E-05	0.9258	4.9911E-05	0	0	0.9222	0	0	0	0.9378	0	0	0.000166	0.9308	0.000166	0	0.003434	0.9463	0.003434
290	590815	4141065	20.83	20.83	Phase5	5		0	4.85762E-05	0.9258	4.8576E-05	0	0	0.9222	0	0	0	0.9378	0	0	0.000106	0.9308	0.000106	0	0.002912	0.9463	0.002912
291	590915	4141065	17.41	25.03	Phase5	5		0	4.73158E-05	0.9258	4.7316E-05	0	0	0.9222	0	0	0	0.9378	0	0	8.66E-05	0.9308	8.66E-05	0	0.003106	0.9463	0.003106
292	591015	4141065	16.46	19.95	Phase5	5		0	4.34297E-05	0.9258	4.343E-05	0	0	0.9222	0	0	0	0.9378	0	0	7.07E-05	0.9308	7.07E-05	0	0.002896	0.9463	0.002896
293	591115	4141065	2.87	23.21	offsite	0	0	0.001296358	4.00475E-05	0.9258	0.00124017	0.005497	0.00017	0.9222	0.00524	0.010474	0	0.9378	0.009823	0.001204	6.16E-05	0.9308	0.001183	0.010362	0.001116	0.9463	0.010921
294	591215	4141065	7.93	7.93	Phase7	7		0	3.39214E-05	0.9258	3.3921E-05	0	0	0.9222	0	0	0	0.9378	0	0	5.1E-05	0.9308	5.1E-05	0	0.000455	0.9463	0.000455
295	591315	4141065	11.36	11.36	Phase7	7		0	2.7793E-05	0.9258	2.7793E-05	0	0	0.9222	0	0	0	0.9378	0	0	4.25E-05	0.9308	4.25E-05	0	0.000261	0.9463	0.000261
296	591415	4141065	13.73	13.73	Phase7	7		0	2.30013E-05	0.9258	2.3001E-05	0	0	0.9222	0	0	0	0.9378	0	0	3.58E-05	0.9308	3.58E-05	0	0.000169	0.9463	0.000169
297	591515	4141065	13.96	13.96	Phase8	8		0	1.94691E-05	0.9258	1.9469E-05	0	0	0.9222	0	0	0	0.9378	0	0	3.07E-05	0.9308	3.07E-05	0	0.000121	0.9463	0.000121
298	591615	4141065	12.71	12.71	Phase8	8		0	1.65969E-05	0.9258	1.6597E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.67E-05	0.9308	2.67E-05	0	9.26E-05	0.9463	9.26E-05
299	591715	4141065	8.85	12.15	Phase8	8		0	1.47847E-05	0.9258	1.4785E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.39E-05	0.9308	2.39E-05	0	7.6E-05	0.9463	7.6E-05
300	591815	4141065	3.01	7.76	path			0.000671116	1.30445E-05	0.9258	0.00063434	0.00162	3.98E-05	0.9222	0.001534	0.000462	0	0.9378	0.000433	0.000357	2.12E-05	0.9308	0.000353	0.000563	6.21E-05	0.9463	0.000595
301	591915	4141065	3.61	7.87	offsite	0	0	0.000584936	1.16932E-05	0.9258	0.00055321	0.001376	3.46E-05	0.9222	0.001303	0.000381	0	0.9378	0.000357	0.000318	1.9E-05	0.9308	0.000315	0.000457	5.18E-05	0.9463	0.000485
302	592015	4141065	3.59	3.59	offsite	0	0	0.000513441	1.05806E-05	0.9258	0.00048591	0.001185	3.03E-05	0.9222	0.001123	0.000321	0	0.9378	0.000301	0.000286	1.71E-05	0.9308	0.000283	0.00038	4.4E-05	0.9463	0.000404
303	592115	4141065	3.61	3.61	offsite	0	0	0.000454394	9.56434E-06	0.9258	0.00043023	0.001035	2.68E-05	0.9222	0.000982	0.000276	0	0.9378	0.000259	0.000259	1.55E-05	0.9308	0.000257	0.000322	3.81E-05	0.9463	0.000343
304	592215	4141065	3.94	3.94	offsite	0	0	0.000405528	8.63806E-06	0.9258	0.00038406	0.000915	2.4E-05	0.9222	0.000868	0.000241	0	0.9378	0.000226	0.000237	1.41E-05	0.9308	0.000235	0.000278	3.34E-05	0.9463	0.000296
305	592315	4141065	2.72	2.72	offsite	0	0	0.000364438	7.83816E-06	0.9258	0.00034522	0.000817	2.15E-05	0.9222	0.000775	0.000213	0	0.9378	0.0002	0.000218	1.3E-05	0.9308	0.000216	0.000242	2.96E-05	0.9463	0.000259
306	590515	4141165	2.7	2.7	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
307	590615	4141165	2.75	24.16	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
308	590715	4141165	16.6	22.82	Phase5	5		0	4.02158E-05	0.9258	4.0216E-05	0	0	0.9222	0	0	0	0.9378	0	0	0.000106	0.9308	0.000106	0	0.003034	0.9463	0.003034
309	590815	4141165	22.41	22.71	Phase5	5		0	3.78666E-05	0.9258	3.7867E-05	0	0	0.9222	0	0	0	0.9378	0	0	7.85E-05	0.9308	7.85E-05	0	0.003014	0.9463	0.003014
310	590915	4141165	18.39	18.39	Phase5	5		0	3.61883E-05	0.9258	3.6188E-05	0	0	0.9222	0	0	0	0.9378	0	0	6.59E-05	0.9308	6.59E-05	0	0.00314	0.9463	0.00314
311	591015	4141165	11.27	23.89	offsite	5	daycare		3.42555E-05	0.9258	3.4255E-05	0	0	0.9222	0	0	0	0.9378	0	0	5.8E-05	0.9308	5.8E-05	0	0.003564	0.9463	0.003564
312	591115	4141165	6.07	19.25	Phase6	6		0	3.04357E-05	0.9258	3.0436E-05	0	0	0.9222	0	0	0	0.9378	0	0	4.98E-05	0.9308	4.98E-05	0	0.000718	0.9463	0.000718
313	591215	4141165	9.88	11.06	Phase6	6		0	2.61143E-05	0.9258	2.6114E-05	0	0	0.9222	0	0	0	0.9378	0	0	4.23E-05	0.9308	4.23E-05	0	0.000338	0.9463	0.000338
314	591315	4141165	12.75	12.75	Phase7	7		0	2.17574E-05	0.9258	2.1757E-05	0	0	0.9222	0	0	0	0.9378	0	0	3.62E-05	0.9308	3.62E-05	0	0.000199	0.9463	0.000199
315	591415	4141165	14.9	14.9	Phase8	8		0	1.864E-05	0.9258	1.864E-05	0	0	0.9222	0	0	0	0.9378	0	0	3.14E-05	0.9308	3.14E-05	0	0.000134	0.9463	0.000134
316	591515	4141165	14.62	14.62	Phase8	8		0	1.62009E-05	0.9258	1.6201E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.76E-05	0.9308	2.76E-05	0	9.95E-05	0.9463	9.95E-05
317	591615	4141165	11.03	11.03	Phase8	8		0	1.41923E-05	0.9258	1.4192E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.45E-05	0.9308	2.45E-05	0	7.98E-05	0.9463	7.98E-05
318	591715	4141165	3.59	10.93	path			0.000651116	1.26684E-05	0.9258	0.00061545	0.001648	3.9E-05	0.9222	0.001559	0.000493	0	0.9378	0.000462	0.000374	2.22E-05	0.9308	0.00037	0.0006	6.66E-05	0.9463	0.000634
319	591815	4141165	7.42	7.42	path			0.000568936	1.12768E-05	0.9258	0.00053798	0.001409	3.44E-05	0.9222	0.001334	0.000404	0	0.9378	0.000379	0.000332	1.99E-05	0.9308	0.000329	0.000481	5.49E-05	0.9463	0.00051
320	591915	4141165	4.1	4.1	offsite	0	0	0.000513329	1.01644E-05	0.9258	0.00048539	0.001225	3.06E-05	0.9222	0.00116	0.000341	0	0.9378	0.000319	0.000299	1.79E-05	0.9308	0.000296	0.000397	4.64E-05	0.9463	0.000422
321	592015	4141165	3.19	3.19	offsite	0	0	0.000458002	9.28845E-06	0.9258	0.00043329	0.001073	2.73E-05	0.9222	0.001017	0.000292	0	0.9378	0.000273	0.000271	1.63E-05	0.9308	0.000268	0.000335	3.98E-05	0.9463	0.000356
322	592115	4141165	3.59	3.59	offsite	0	0	0.000411206	8.55926E-06	0.9258	0.00038924	0.00095	2.45E-05	0.9222	0.000901	0.000254	0	0.9378	0.000238	0.000247	1.49E-05	0.9308	0.000245	0.000287	3.48E-05	0.9463	0.000307
323	592215	4141165	3.22	3.22	offsite	0	0	0.000371291	7.87752E-06	0.9258	0.00035161	0.000849	2.21E-05	0.9222	0.000805	0.000223	0	0.9378	0.00021	0.000227	1.36E-05	0.9308	0.000225	0.00025	3.07E-05	0.9463	0.000268
324	592315	4141165	3.8	3.8	offsite	0	0	0.000337558	7.23546E-06	0.9258	0.00031974	0.000766	2.01E-05	0.9222	0.000726	0.000199	0	0.9378	0.000187	0.000209	1.26E-05	0.9308	0.000208	0.000221	2.75E-05	0.9463	0.000237
325	590515	4141265	2.25	2.25	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
326	590615	4141265	3.09	23.1	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
327	590715	4141265	13.36	23.1	offsite	0	0	0.000918858	3.29494E-05	0.9258	0.0008836	0.002714	0.000125	0.9222	0.002628	0.001542	0	0.9378	0.001446	0.00123	8.06E-05	0.9308	0.001226	0.026014	0.003277	0.9463	0.027893
328	590815	4141265	5.95	25.03	offsite	0	0	0.000759953	3.21712E-05	0.9258	0.00073571	0.002633	0.000122	0.9222	0.002549	0.001591	0	0.9378	0.001492	0.001223	6.87E-05	0.9308	0.001207	0.026993	0	0.9463	0.025543
329	590915	4141265	15.4	17.5	offsite	0	0	0.000939305	2.91654E-05	0.9258	0.00089874	0.002934	0.000109	0.9222	0.002814	0.001787	0	0.9378	0.001676	0.000892	5.47E-05	0.9308	0.000885	0.028522	0.003035	0.9463	0.030024
330	591015	4141265	2.13	25.03	offsite	0	0	0.00079984	2.72097E-05	0.9258	0.00076768	0.002752	9.96E-05	0.9222	0.002638	0.001754	0	0.9378	0.001645	0.000923	4.79E-05	0.9308	0.000907	0.01341	0.001028	0.9463	0.013718
331	591115	4141265	3.47	21.24	Phase6	6		0	2.4009E-05	0.9258	2.4009E-05	0	0	0.9222	0	0	0	0.9378	0	0	4.11E-05	0.9308	4.11E-05	0	0.000408	0.9463	0.000408
332	591215	4141265	10.44	15.68	offsite	6	daycare		2.06472E-05	0.9258	2.0647E-05	0	0	0.9222	0	0	0	0.9378	0	0	3.52E-05	0.9308	3.52E-05	0	0.000229	0.9463	0.000229
333	591315	4141265	13.12	13.12	Phase6	6		0	1.77089E-05	0.9258	1.7709E-05	0	0	0.9222	0	0	0	0.9378	0	0	3.09E-05	0.9308	3.09E-05	0	0.000152	0.9463	0.000152
334	591415	4141265	13.64	13.64	Phase6	6		0	1.56393E-05	0.9258	1.5639E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.75E-05	0.9308	2.75E-05	0	0.000111	0.9463	0.000111
335	591515	4141265	12.2	12.2	Phase8	8		0	1.39002E-05	0.9258	1.39E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.47E-05	0.9308	2.47E-05	0	8.68E-05	0.9463	8.68E-05
336	591615	4141265	4.94	12.73	path			0.000613131	1.24382E-05	0.9258	0.00058006	0.001619	3.77E-05	0.9222	0.001531	0.000519	0	0.9378	0.000487	0.000387	2.25E-05	0.9308	0.000383	0.000639	7.19E-05	0.9463	0.000676
337	591715	4141265	2.72	7.81	path			0.000556797	1.10341E-05	0.9258	0.0005265	0.001411	3.34E-05	0.9222	0.001335	0.000428	0	0.9378	0.000401	0.000345	2.03E-05	0.9308	0.000341	0.000508	5.88E-05	0.9463	0.00054
338	591815	4141265	3.57	3.57	offsite	0	0	0.00050298	9.90271E-06	0.9258	0.00047555	0.001238	2.99E-05	0.9222	0.001172	0.00036	0	0.9378	0.000337	0.00031	1.84E-05	0.9308	0.000307	0.000417	4.92E-05	0.9463	0.000444
339	591915	4141265	2.95	2.95	offsite	0	0	0.000453946	8.98419E-06	0.9258	0.00042923	0.001093	2.7E-05	0.9222	0.001035	0.000308	0	0.9378	0.000289	0.000281	1.68E-05	0.9308	0.000278	0.00035	4.2E-05	0.9463	0.000373
340	592015	4141265	3.6	3.6	offsite	0	0	0.000410982	8.23918E-06	0.9258	0.00038871	0.000973	2.45E-05	0.9222	0.000921	0.000267	0	0.9378	0.000251	0.000256	1.54E-05	0.9308	0.000254	0.000299	3.64E-05	0.9463	0.00032

				Phase -->				1				2				3				4				5			
No.	X	Y	ELEV	HILL	Group	Group		DPM conc	PM2.5 dust	DPM→PM2.5	avg annual con	DPM conc	PM2.5 dust	DPM→PM2	g annual co	DPM conc	PM2.5 dust	DPM→PM2	g annual co	DPM conc	PM2.5 dust	DPM→PM2	g annual co	DPM conc	PM2.5 dust	DPM→PM2	g annual co
341	592115	4141265	3.45	3.45	offsite	0	0	0.000373361	7.64513E-06	0.9258	0.00035329	0.000872	2.23E-05	0.9222	0.000827	0.000235	0	0.9378	0.00022	0.000235	1.42E-05	0.9308	0.000233	0.00026	3.19E-05	0.9463	0.000278
342	592215	4141265	3.63	3.63	offsite	0	0	0.00034083	7.14274E-06	0.9258	0.00032267	0.000788	2.04E-05	0.9222	0.000747	0.000209	0	0.9378	0.000196	0.000217	1.32E-05	0.9308	0.000215	0.000229	2.84E-05	0.9463	0.000245
343	592315	4141265	3.44	3.44	offsite	0	0	0.000312579	6.66805E-06	0.9258	0.00029604	0.000717	1.87E-05	0.9222	0.00068	0.000188	0	0.9378	0.000176	0.000201	1.22E-05	0.9308	0.0002	0.000204	2.55E-05	0.9463	0.000219
344	592415	4141265	2.71	2.71	offsite	0	0	0.000287881	6.20238E-06	0.9258	0.00027271	0.000656	1.73E-05	0.9222	0.000622	0.00017	0	0.9378	0.00016	0.000187	1.14E-05	0.9308	0.000186	0.000184	2.31E-05	0.9463	0.000197
345	590515	4141365	1.72	1.72	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
346	590615	4141365	2.52	2.52	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
347	590715	4141365	2.48	23.1	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
348	590815	4141365	2.01	23.27	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
349	590915	4141365	2.15	21.94	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
350	591015	4141365	7.27	21.94	Phase6	6		0	2.20159E-05	0.9258	2.2016E-05	0	0	0.9222	0	0	0	0.9378	0	0	3.98E-05	0.9308	3.98E-05	0	0.000396	0.9463	0.000396
351	591115	4141365	18.02	21.12	Phase6	6		0	1.83286E-05	0.9258	1.8329E-05	0	0	0.9222	0	0	0	0.9378	0	0	3.24E-05	0.9308	3.24E-05	0	0.000211	0.9463	0.000211
352	591215	4141365	16.43	16.43	Phase6	6		0	1.63059E-05	0.9258	1.6306E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.9E-05	0.9308	2.9E-05	0	0.000154	0.9463	0.000154
353	591315	4141365	15.84	15.84	Phase6	6		0	1.45943E-05	0.9258	1.4594E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.62E-05	0.9308	2.62E-05	0	0.000117	0.9463	0.000117
354	591415	4141365	13.12	14.84	Phase6	6		0	1.32802E-05	0.9258	1.328E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.4E-05	0.9308	2.4E-05	0	9.29E-05	0.9463	9.29E-05
355	591515	4141365	2.61	14.87	Phase6	6		0	1.22153E-05	0.9258	1.2215E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.24E-05	0.9308	2.24E-05	0	7.69E-05	0.9463	7.69E-05
356	591615	4141365	2.71	2.71	path			0.000525413	1.08943E-05	0.9258	0.0004973	0.001372	3.24E-05	0.9222	0.001298	0.00044	0	0.9378	0.000413	0.000353	2.03E-05	0.9308	0.000349	0.00054	6.29E-05	0.9463	0.000574
357	591715	4141365	3.07	6.75	offsite	0	0	0.00048354	9.7524E-06	0.9258	0.0004574	0.001223	2.89E-05	0.9222	0.001157	0.000373	0	0.9378	0.00035	0.000318	1.86E-05	0.9308	0.000315	0.000441	5.25E-05	0.9463	0.00047
358	591815	4141365	3.97	3.97	offsite	0	0	0.000443038	8.82339E-06	0.9258	0.00041897	0.001093	2.62E-05	0.9222	0.001034	0.000321	0	0.9378	0.000301	0.000289	1.71E-05	0.9308	0.000286	0.000369	4.46E-05	0.9463	0.000394
359	591915	4141365	3.93	3.93	offsite	0	0	0.000405192	8.05793E-06	0.9258	0.00038317	0.00098	2.4E-05	0.9222	0.000928	0.000279	0	0.9378	0.000262	0.000264	1.57E-05	0.9308	0.000261	0.000315	3.85E-05	0.9463	0.000336
360	592015	4141365	3.18	3.18	offsite	0	0	0.000370872	7.4174E-06	0.9258	0.00035076	0.000883	2.21E-05	0.9222	0.000837	0.000246	0	0.9378	0.00023	0.000242	1.45E-05	0.9308	0.00024	0.000272	3.36E-05	0.9463	0.000291
361	592115	4141365	3.14	3.14	offsite	0	0	0.000340439	6.89139E-06	0.9258	0.00032206	0.000801	2.03E-05	0.9222	0.000759	0.000218	0	0.9378	0.000205	0.000224	1.35E-05	0.9308	0.000222	0.000239	2.97E-05	0.9463	0.000256
362	592215	4141365	3.18	3.18	offsite	0	0	0.000313614	6.46926E-06	0.9258	0.0002968	0.000731	1.88E-05	0.9222	0.000693	0.000196	0	0.9378	0.000184	0.000207	1.26E-05	0.9308	0.000206	0.000213	2.65E-05	0.9463	0.000228
363	592315	4141365	3.52	3.52	offsite	0	0	0.000290062	6.10908E-06	0.9258	0.00027464	0.000671	1.74E-05	0.9222	0.000636	0.000177	0	0.9378	0.000166	0.000193	1.18E-05	0.9308	0.000192	0.000191	2.39E-05	0.9463	0.000205
364	592415	4141365	3.81	3.81	offsite	0	0	0.000269308	5.76911E-06	0.9258	0.00025509	0.000619	1.62E-05	0.9222	0.000587	0.000162	0	0.9378	0.000152	0.000181	1.1E-05	0.9308	0.000179	0.000173	2.18E-05	0.9463	0.000186
365	592515	4141365	2.85	2.85	offsite	0	0	0.000250707	5.42449E-06	0.9258	0.00023752	0.000573	1.51E-05	0.9222	0.000543	0.000148	0	0.9378	0.000139	0.00017	1.04E-05	0.9308	0.000168	0.000158	2E-05	0.9463	0.00017
366	590615	4141465	3.11	11.59	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
367	590715	4141465	2.8	2.8	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
368	590815	4141465	1.88	1.88	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
369	590915	4141465	1.9	21.94	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
370	591015	4141465	15.33	21.94	Phase6	6		0	1.74346E-05	0.9258	1.7435E-05	0	0	0.9222	0	0	0	0.9378	0	0	3.27E-05	0.9308	3.27E-05	0	0.00021	0.9463	0.00021
371	591115	4141465	18.25	18.25	Phase6	6		0	1.52325E-05	0.9258	1.5232E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.79E-05	0.9308	2.79E-05	0	0.000147	0.9463	0.000147
372	591215	4141465	18.08	18.08	Phase6	6		0	1.35908E-05	0.9258	1.3591E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.48E-05	0.9308	2.48E-05	0	0.000114	0.9463	0.000114
373	591315	4141465	14.98	14.98	Phase6	6		0	1.24695E-05	0.9258	1.247E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.28E-05	0.9308	2.28E-05	0	9.44E-05	0.9463	9.44E-05
374	591415	4141465	9.35	11.15	Phase6	6		0	1.18302E-05	0.9258	1.183E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.17E-05	0.9308	2.17E-05	0	7.96E-05	0.9463	7.96E-05
375	591515	4141465	2.71	12.32	path			0.000486841	1.07203E-05	0.9258	0.00046142	0.0013	3.18E-05	0.9222	0.001231	0.000438	0	0.9378	0.000411	0.000356	2E-05	0.9308	0.000351	0.000573	6.6E-05	0.9463	0.000608
376	591615	4141465	2.74	6.86	offsite	0	0	0.000456883	9.68793E-06	0.9258	0.00043266	0.001182	2.83E-05	0.9222	0.001119	0.000377	0	0.9378	0.000354	0.000322	1.84E-05	0.9308	0.000319	0.000468	5.54E-05	0.9463	0.000498
377	591715	4141465	1.12	1.12	offsite	0	0	0.000424828	8.73052E-06	0.9258	0.00040202	0.00107	2.55E-05	0.9222	0.001013	0.000327	0	0.9378	0.000307	0.000293	1.7E-05	0.9308	0.00029	0.00039	4.71E-05	0.9463	0.000416
378	591815	4141465	3.94	3.94	offsite	0	0	0.000394256	7.9537E-06	0.9258	0.00037294	0.000972	2.33E-05	0.9222	0.00092	0.000287	0	0.9378	0.000269	0.000269	1.58E-05	0.9308	0.000266	0.000332	4.07E-05	0.9463	0.000355
379	591915	4141465	4.04	4.04	offsite	0	0	0.000364494	7.30512E-06	0.9258	0.00034474	0.000883	2.14E-05	0.9222	0.000836	0.000253	0	0.9378	0.000238	0.000248	1.46E-05	0.9308	0.000245	0.000287	3.55E-05	0.9463	0.000307
380	592015	4141465	3.84	3.84	offsite	0	0	0.000337026	6.75959E-06	0.9258	0.00031877	0.000805	1.99E-05	0.9222	0.000763	0.000226	0	0.9378	0.000212	0.000229	1.36E-05	0.9308	0.000227	0.000252	3.14E-05	0.9463	0.000269
381	592115	4141465	3.81	3.81	offsite	0	0	0.00031216	6.29418E-06	0.9258	0.00029528	0.000738	1.85E-05	0.9222	0.000699	0.000203	0	0.9378	0.00019	0.000213	1.27E-05	0.9308	0.000211	0.000223	2.79E-05	0.9463	0.000239
382	592215	4141465	3.84	3.84	offsite	0	0	0.000289839	5.91105E-06	0.9258	0.00027423	0.000679	1.73E-05	0.9222	0.000644	0.000184	0	0.9378	0.000172	0.000198	1.19E-05	0.9308	0.000196	0.0002	2.51E-05	0.9463	0.000214
383	592315	4141465	3.78	3.78	offsite	0	0	0.000269895	5.60194E-06	0.9258	0.00025546	0.000628	1.62E-05	0.9222	0.000595	0.000168	0	0.9378	0.000157	0.000186	1.12E-05	0.9308	0.000184	0.000181	2.27E-05	0.9463	0.000194
384	592415	4141465	3.46	3.46	offsite	0	0	0.000252077	5.33089E-06	0.9258	0.0002387	0.000583	1.52E-05	0.9222	0.000553	0.000154	0	0.9378	0.000144	0.000174	1.06E-05	0.9308	0.000173	0.000165	2.07E-05	0.9463	0.000176
385	590815	4141565	2.51	11.72	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
386	590915	4141565	2.47	21.94	offsite	0	0	0	0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
387	591015	4141565	2.02	21.94	Phase6	6		0	1.54566E-05	0.9258	1.5457E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.93E-05	0.9308	2.93E-05	0	0.000152	0.9463	0.000152
388	591115	4141565	12.39	21.53	Phase6	6		0	1.35488E-05	0.9258	1.3549E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.53E-05	0.9308	2.53E-05	0	0.000116	0.9463	0.000116
389	591215	4141565	14.73	14.73	Phase6	6		0	1.18052E-05	0.9258	1.1805E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.21E-05	0.9308	2.21E-05	0	9.11E-05	0.9463	9.11E-05
390	591315	4141565	11.93	12.68	Phase6	6		0	1.11094E-05	0.9258	1.1109E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.05E-05	0.9308	2.05E-05	0	7.73E-05	0.9463	7.73E-05
391	591415	4141565	4.46	12.44	path			0.000445583	1.04122E-05	0.9258	0.00042292	0.001207	3.12E-05	0.9222	0.001145	0.000419	0	0.9378	0.000393	0.000354	1.94E-05	0.9308	0.000349	0.000596	6.61E-05	0.9463	0.00063
392	591515	4141565	4.3	6.63	path			0.000425723	9.53816E-06	0.9258	0.00040366	0.001122	2.8E-05	0.9222	0.001062	0.00037	0	0.9378	0.000347	0.000323	1.79E-05	0.9308	0.000319	0.00049	5.64E-05	0.9463	0.00052
393	591615	4141565	1.35	1.35	offsite	0	0	0.000402339	8.69105E-06	0.9258	0.00038116	0.001032	2.51E-05	0.9222	0.000977	0.000326	0	0.9378	0.000305	0.000295	1.67E-05	0.9308	0.000291	0.00041	4.87E-05	0.9463	0.000436
394	591715	4141565	1.18	1.18	offsite	0	0	0.000378004	7.914E-06	0.9258	0.00035786	0.000948	2.28E-05	0.9222	0.000897	0.000288	0	0.9378	0.00027	0.000271	1.56E-05	0.9308	0.000268	0.000349	4.23E-05	0.9463	0.000372
395	591815	4141565	1.57	1.57	offsite	0	0	0.000353557	7.23805E-06	0.9258	0.00033455	0.00087	2.09E-05	0.9222	0.000823	0.000256	0	0.9378	0.00024	0.00025	1.46E-05	0.9308	0.000247	0.000301	3.71E-05	0.9463	0.000322
396	591915	4141565	1.59	1.59	offsite	0	0	0.00032981	6.67336E-06	0.9258	0.000312	0.000799	1.93E-05	0.9222	0.000756	0.00023	0	0.9378	0.000215	0.000232	1.36E-05	0.9308	0.000229	0.000264	3.28E-05	0.9463	0.000282
397	592015	4141565	1.72	1.72	offsite	0	0	0.000307517	6.20349E-06	0.9258	0.00029089	0.000736	1.8E-05	0.9222	0.000697	0.000207	0	0.9378	0.000194	0.000216	1.28E-05	0.9308	0.000214	0.000233	2.93E-05	0.9463	0.00025
398	592115	4141565	2.21	2.21	offsite	0	0	0.000287098	5.80058E-06	0.9258	0.00027159	0.00068	1.69E-05	0.9222	0.000644	0.000188	0	0.9378	0.000177	0.000202	1.2E-05	0.9308	0.0002	0.000209	2.63E-05	0.9463	0.000224
399	592215	4141565	1.88	1.88	offsite	0	0	0.000268301	5.44986E-06	0.9258	0.00025383	0.000631	1.59E-05	0.9222	0.000598	0.000172	0	0.9378	0.000161	0.000189	1.13E-05	0.9308	0.000187	0.000188	2.38E-05	0.9463	0.000202
400	592315	4141565	3.97	3.97	offsite	0	0	0.000251882	5.17325E-06	0.9258	0.00023836	0.000588	1.51E-05	0.9222	0.000557	0.000158	0	0.9378	0.000148	0.000178	1.07E-05	0.9308	0.000176	0.000172	2.18E-05	0.9463	0.000184
401	590915	4141665	3.72	10.08	offsite	-	0		0	0.9258	0	0	0	0.9222	0	0	0	0.9378	0	0	0	0.9308	0	0	0	0.9463	0
402	591015	4141665	1.16	21.94	Phase6	6		0	1.33153E-05	0.9258	1.3315E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.57E-05	0.9308	2.57E-05	0	0.000112	0.9463	0.000112
403	591115	4141665	0.27	21.94	Phase6	6		0	1.20356E-05	0.9258	1.2036E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.3E-05	0.9308	2.3E-05	0	9.11E-05	0.9463	9.11E-05
404	591215	4141665	1.69	17.36	Phase6	6		0	1.09587E-05	0.9258	1.0959E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.08E-05	0.9308	2.08E-05	0	7.57E-05	0.9463	7.57E-05
405	591315	4141665	1.94	13.61	Phase6	6		0	1.00443E-05	0.9258	1.0044E-05	0	0	0.9222	0	0	0	0.9378	0	0	1.9E-05	0.9308	1.9E-05	0	6.41E-05	0.9463	6.41E-05
406	591415	4141665	2.71	6.63	path			0.000392102	9.27238E-06	0.9258	0.00037227	0.001044	2.75E-05	0.9222	0.00099	0.000352	0	0.9378	0.00033	0.000319	1.75E-05	0.9308	0.000315	0.000498	5.53E-05	0.9463	0.000526
407	591515	4141665	1.22	6.65	offsite	0	0	0.000376326	8.57137E-06	0.9258	0.00035696	0.000979	2.49E-05	0.9222	0.000928	0.000316	0	0.9378	0.000297	0.000294	1.62E-05	0.9308	0.00029	0.000421	4.82E-05	0.9463	0.000447
408	591615	4141665	0.58	0.58	offsite	0	0	0.000358564	7.88809E-06	0.9258	0.00033984	0.000912	2.26E-05	0.9222	0.000864	0.000284	0	0.9378	0.000266	0.000271	1.51E-05	0.9308	0.000267	0.000361	4.25E-05	0.9463	0.000384
409	591715	4141665	1.1	1.1	offsite	0	0	0.000339684	7.24337E-06	0.9258	0.00032171	0.000847	2.06E-05	0.9222	0.000802	0.000256	0	0.9378	0.00024	0.000251	1.43E-05	0.9308	0.000248	0.000313	3.78E-05	0.9463	0.000334
410	591815	4141665	1.5	1.5	offsite	0	0	0.000320244	6.66003E-06	0.9258	0.00030313	0.000786	1.9E-05	0.9222	0.000744	0.000231	0	0.9378	0.000216	0.000233	1.35E-05	0.9308	0.000231	0.000275	3.37E-05	0.9463	0.000293
411	591915	4141665	1.57	1.57	offsite	0	0	0.000301027	6.16292E-06	0.9258	0.00028484	0.000729	1.76E-05	0.9222	0.00069	0.000209	0	0.9378	0.000196	0.000218	1.27E-05	0.9308	0.000215	0.000243	3.02E-05	0.9463	0.00026
412	592015	4141665	1.79	1.79	offsite	0	0	0.000282706	5.74889E-06	0.9258	0.00026747	0.000677	1.65E-05	0.9222	0.000641	0.000191	0	0.9378	0.000179	0.000204	1.2E-05	0.9308	0.000202	0.000217	2.73E-05	0.9463	0.000233
413	592115	4141665	1.9	1.9	offsite	0	0	0.000265588	5.39574E-06	0.9258	0.00025127	0.00063	1.55E-05	0.9222	0.000597	0.000175	0	0.9378	0.000164	0.000191	1.14E-05	0.9308	0.000189	0.000196	2.48E-05	0.9463	0.00021
414	592215	4141665	2.19	3.39	offsite	0	0	0.00024984	5.08437E-06	0.9258	0.00023638	0.000588	1.47E-05	0.9222	0.000557	0.000161	0	0.9378	0.000151	0.00018	1.07E-05	0.9308	0.000178	0.000178	2.26E-05	0.9463	0.000191
415	591115	4141765	1.5	8.76	Phase6	6		0	1.06191E-05	0.9258	1.0619E-05	0	0	0.9222	0	0	0	0.9378	0	0	2.07E-05	0.9308	2.07E-05	0	7.3E-05	0.9463	7.3E-05
416	591215	4141765	0.27	8.75	Phase6	6		0	9.70511E-06	0.9258	9.7051E-06	0	0	0.9222	0	0	0	0.9378	0	0	1.88E-05	0.9308	1.88E-05	0	6.2E-05	0.9463	6.2E-05
417	591315	4141765	2.71	6.85	path			0.000359487	8.98494E-06	0.9258	0.00034179	0.000961	2.68E-05	0.9222	0.000913	0.000327	0	0.9378	0.000307	0.000313	1.73E-05	0.9308	0.000308	0.000487	5.35E-05	0.9463	0.000514
418	591415	4141765	3.75	6.28	offsite	0	0	0.000349809	8.36529E-06	0.9258	0.00033221	0.000918	2.46E-05	0.9222	0.000871	0.000301	0	0.9378	0.000283	0.00029	1.6E-05	0.9308	0.000286	0.000421	4.69E-05	0.9463	0.000446
419	591515	4141765	1.22	1.22	offsite	0	0	0.000336998	7.78238E-06	0.9258	0.00031976	0.000868	2.25E-05	0.9222	0.000823	0.000275	0	0.9378	0.000258	0.000269	1.48E-05	0.9308	0.000265	0.000365	4.16E-05	0.9463	0.000387
420	591615	4141765	1.64	1.64	offsite	0	0	0.000323236	7.22985E-06	0.9258	0.00030647	0.000816	2.06E-05	0.9222	0.000773	0.000251	0	0.9378	0.000235	0.00025	1.39E-05	0.9308	0.000247	0.000319	3.72E-05	0.9463	0.000339
421	591715	4141765	2.1	2.1	offsite	0	0	0.000308216	6.68937E-06	0.9258	0.00029203	0.000765	1.89E-05	0.9222	0.000724	0.000229	0	0.9378	0.000214	0.000233	1.31E-05	0.9308	0.00023	0.000282	3.36E-05	0.9463	0.0003
422	591815	4141765	1.47	1.47	offsite	0	0	0.000292272	6.18018E-06	0.9258	0.00027676	0.000715	1.75E-05	0.9222	0.000677	0.000209	0	0.9378	0.000196	0.000218	1.25E-05	0.9308	0.000215	0.00025	3.04E-05	0.9463	0.000267
423	591915	4141765	2.58	2.58	offsite	0	0	0.000276804	5.74237E-06	0.9258	0.000262	0.000669	1.63E-05	0.9222	0.000633	0.000191	0	0.9378	0.000179	0.000205	1.19E-05	0.9308	0.000202	0.000225	2.77E-05	0.9463	0.00024
424	592015	4141765	2.57	2.57	offsite	0	0	0.000261532	5.36865E-06	0.9258	0.00024749	0.000626	1.52E-05	0.9222	0.000592	0.000176	0	0.9378	0.000165	0.000193	1.13E-05	0.9308	0.000191	0.000203	2.53E-05	0.9463	0.000217
425	592115	4141765	2.49	10.31	offsite	0	0	0.000247043	5.05323E-06	0.9258	0.00023376	0.000586	1.44E-05	0.9222	0.000555	0.000163	0	0.9378	0.000152	0.000182	1.08E-05	0.9308	0.00018	0.000184	2.32E-05	0.9463	0.000198

				Phase -->				1				2				3				4				5			
No.	X	Y	ELEV	HILL	Group	Group		DPM conc	PM2.5 dust	DPM→PM2.5	avg annual con	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co	DPM conc	PM2.5 dust	DPM→PM2.5	avg annual co
426	590915	4141965	4.64	4.64	offsite	0	0	0.00030581	1.01347E-05	0.9258	0.00029324	0.000824	3.01E-05	0.9222	0.00079	0.000282	0	0.9378	0.000265	0.000319	2.02E-05	0.9308	0.000317	0.000475	6.59E-05	0.9463	0.000515
427	591215	4141965	1.81	5.94	path			0.000297894	7.93202E-06	0.9258	0.00028371	0.000784	2.34E-05	0.9222	0.000746	0.000257	0	0.9378	0.000241	0.000274	1.58E-05	0.9308	0.000271	0.000382	4.46E-05	0.9463	0.000406
428	591315	4141965	2.71	6.26	path			0.000292832	7.41952E-06	0.9258	0.00027851	0.000761	2.18E-05	0.9222	0.000724	0.000245	0	0.9378	0.00023	0.000259	1.47E-05	0.9308	0.000255	0.000346	3.95E-05	0.9463	0.000367
429	590815	4142065	4.48	4.48	offsite	0	0	0.000279461	9.88231E-06	0.9258	0.0002686	0.000744	2.92E-05	0.9222	0.000716	0.000248	0	0.9378	0.000232	0.000295	1.96E-05	0.9308	0.000294	0.000401	6.2E-05	0.9463	0.000442
430	590915	4142065	4.32	4.32	offsite	0	0	0.000279377	9.16213E-06	0.9258	0.0002678	0.000741	2.68E-05	0.9222	0.00071	0.000245	0	0.9378	0.00023	0.000286	1.84E-05	0.9308	0.000285	0.00039	5.48E-05	0.9463	0.000424
431	591015	4142065	4.33	4.33	offsite	0	0	0.000278231	8.46736E-06	0.9258	0.00026604	0.000734	2.47E-05	0.9222	0.000701	0.000241	0	0.9378	0.000226	0.000275	1.72E-05	0.9308	0.000273	0.000372	4.88E-05	0.9463	0.000401
432	591115	4142065	1.85	6.79	path			0.000275406	7.81428E-06	0.9258	0.00026278	0.000721	2.28E-05	0.9222	0.000688	0.000234	0	0.9378	0.00022	0.000263	1.59E-05	0.9308	0.000261	0.00035	4.36E-05	0.9463	0.000375
433	591215	4142065	2.97	2.97	path			0.000272301	7.26942E-06	0.9258	0.00025936	0.000707	2.12E-05	0.9222	0.000673	0.000226	0	0.9378	0.000212	0.000251	1.47E-05	0.9308	0.000248	0.000325	3.89E-05	0.9463	0.000346
434	590715	4142165	4.74	4.74	offsite	0	0	0.000256833	9.62907E-06	0.9258	0.0002474	0.000677	2.83E-05	0.9222	0.000652	0.000219	0	0.9378	0.000206	0.000272	1.9E-05	0.9308	0.000273	0.000341	5.86E-05	0.9463	0.000381
435	590815	4142165	4.43	4.43	offsite	0	0	0.00025728	8.98767E-06	0.9258	0.00024717	0.000676	2.62E-05	0.9222	0.000649	0.000219	0	0.9378	0.000205	0.000266	1.78E-05	0.9308	0.000266	0.000336	5.2E-05	0.9463	0.00037
436	590915	4142165	4.76	5.44	path			0.000256889	8.36448E-06	0.9258	0.00024618	0.000673	2.42E-05	0.9222	0.000644	0.000217	0	0.9378	0.000203	0.000259	1.68E-05	0.9308	0.000258	0.000328	4.66E-05	0.9463	0.000357
437	591015	4142165	2.7	6.62	path			0.000255434	7.7356E-06	0.9258	0.00024421	0.000665	2.23E-05	0.9222	0.000636	0.000213	0	0.9378	0.0002	0.00025	1.58E-05	0.9308	0.000249	0.000315	4.2E-05	0.9463	0.00034
438	591115	4142165	2.71	2.71	path			0.000253364	7.1836E-06	0.9258	0.00024174	0.000655	2.08E-05	0.9222	0.000625	0.000208	0	0.9378	0.000195	0.00024	1.48E-05	0.9308	0.000239	0.000299	3.81E-05	0.9463	0.000321
439	590415	4142265	2.1	2.1	path			0.00023398	1.02647E-05	0.9258	0.00022688	0.00061	3.07E-05	0.9222	0.000593	0.000192	0	0.9378	0.00018	0.000255	2.2E-05	0.9308	0.00026	0.000286	6.6E-05	0.9463	0.000337
440	590515	4142265	2.12	2.12	path			0.000235686	9.81795E-06	0.9258	0.00022801	0.000615	2.91E-05	0.9222	0.000596	0.000194	0	0.9378	0.000182	0.000254	2.02E-05	0.9308	0.000256	0.00029	6.1E-05	0.9463	0.000335
441	590615	4142265	1.8	1.8	path			0.000236805	9.31981E-06	0.9258	0.00022855	0.000617	2.74E-05	0.9222	0.000597	0.000195	0	0.9378	0.000183	0.000251	1.87E-05	0.9308	0.000252	0.000292	5.54E-05	0.9463	0.000331
442	590715	4142265	1.96	1.96	path			0.000237532	8.77442E-06	0.9258	0.00022867	0.000618	2.55E-05	0.9222	0.000596	0.000196	0	0.9378	0.000184	0.000247	1.74E-05	0.9308	0.000247	0.000291	4.97E-05	0.9463	0.000325
443	590815	4142265	2.58	2.58	path			0.00023784	8.21591E-06	0.9258	0.0002284	0.000617	2.37E-05	0.9222	0.000593	0.000195	0	0.9378	0.000183	0.000242	1.64E-05	0.9308	0.000242	0.000288	4.46E-05	0.9463	0.000317
444	590915	4142265	2.62	5.66	path			0.000237393	7.67493E-06	0.9258	0.00022745	0.000614	2.2E-05	0.9222	0.000588	0.000193	0	0.9378	0.000181	0.000236	1.55E-05	0.9308	0.000235	0.000281	4.03E-05	0.9463	0.000306
445	591015	4142265	5.39	6.93	path			0.00023633	7.15656E-06	0.9258	0.00022594	0.00061	2.05E-05	0.9222	0.000583	0.000191	0	0.9378	0.000179	0.000229	1.47E-05	0.9308	0.000228	0.000272	3.68E-05	0.9463	0.000295
446	591515	4142365	2.14	2.14	school			0.00020489	5.06191E-06	0.9258	0.00019474	0.000506	1.43E-05	0.9222	0.000481	0.000147	0	0.9378	0.000138	0.000175	1.02E-05	0.9308	0.000173	0.000183	2.17E-05	0.9463	0.000195
447	591215	4142465	2.18	2.18	park			0.000201337	5.47067E-06	0.9258	0.00019186	0.000504	1.56E-05	0.9222	0.000481	0.00015	0	0.9378	0.000141	0.000184	1.16E-05	0.9308	0.000183	0.000196	2.54E-05	0.9463	0.000211
448	591315	4142465	1.28	1.28	park			0.000198484	5.18844E-06	0.9258	0.00018894	0.000495	1.48E-05	0.9222	0.000471	0.000146	0	0.9378	0.000137	0.000178	1.09E-05	0.9308	0.000177	0.000187	2.35E-05	0.9463	0.0002
449	591415	4142465	2.04	2.04	school			0.000195603	4.97529E-06	0.9258	0.00018606	0.000485	1.42E-05	0.9222	0.000461	0.000141	0	0.9378	0.000133	0.000172	1.03E-05	0.9308	0.00017	0.000177	2.18E-05	0.9463	0.00019
450	590415	4142565	4.25	4.91	path			0.000193925	8.15975E-06	0.9258	0.00018769	0.000492	2.37E-05	0.9222	0.000478	0.000148	0	0.9378	0.000138	0.000199	1.69E-05	0.9308	0.000203	0.000201	4.34E-05	0.9463	0.000233
451	590915	4142565	0.95	0.95	offsite	0	0	0.000193226	6.1531E-06	0.9258	0.00018504	0.000487	1.73E-05	0.9222	0.000466	0.000145	0	0.9378	0.000136	0.000186	1.26E-05	0.9308	0.000186	0.000194	2.84E-05	0.9463	0.000212
452	591015	4142565	3.27	3.51	offsite	0	0	0.000192722	5.7998E-06	0.9258	0.00018422	0.000484	1.63E-05	0.9222	0.000462	0.000144	0	0.9378	0.000135	0.000183	1.21E-05	0.9308	0.000182	0.00019	2.66E-05	0.9463	0.000206
453	591115	4142565	0	0	offsite	0	0	0.000191268	5.46274E-06	0.9258	0.00018253	0.000478	1.54E-05	0.9222	0.000456	0.000141	0	0.9378	0.000133	0.000178	1.16E-05	0.9308	0.000177	0.000184	2.5E-05	0.9463	0.000199
454	591215	4142565	0	0	park			0.000188694	5.14449E-06	0.9258	0.00017983	0.00047	1.46E-05	0.9222	0.000448	0.000138	0	0.9378	0.000129	0.000173	1.1E-05	0.9308	0.000172	0.000177	2.34E-05	0.9463	0.000191
455	591315	4142565	0	0	park			0.000186401	4.90352E-06	0.9258	0.00017747	0.000462	1.4E-05	0.9222	0.00044	0.000135	0	0.9378	0.000126	0.000167	1.04E-05	0.9308	0.000166	0.00017	2.18E-05	0.9463	0.000183
456	591415	4142565	0	0	school			0.000183799	4.70922E-06	0.9258	0.00017486	0.000453	1.34E-05	0.9222	0.000431	0.000131	0	0.9378	0.000123	0.000162	9.85E-06	0.9308	0.00016	0.000162	2.03E-05	0.9463	0.000174
457	590315	4142665	0	0	path			0.000182289	7.92283E-06	0.9258	0.00017668	0.00046	2.3E-05	0.9222	0.000447	0.000136	0	0.9378	0.000127	0.000186	1.68E-05	0.9308	0.00019	0.00018	4.13E-05	0.9463	0.000212
458	590515	4142665	0	0	offsite	0	0	0.00018282	7.23522E-06	0.9258	0.00017648	0.000461	2.07E-05	0.9222	0.000446	0.000137	0	0.9378	0.000128	0.000184	1.46E-05	0.9308	0.000186	0.000182	3.57E-05	0.9463	0.000208
459	590615	4142665	0	0	offsite	0	0	0.000182988	6.87176E-06	0.9258	0.00017628	0.000461	1.95E-05	0.9222	0.000445	0.000137	0	0.9378	0.000128	0.000182	1.37E-05	0.9308	0.000183	0.000182	3.29E-05	0.9463	0.000205
460	590715	4142665	0	0	offsite	0	0	0.000182932	6.50739E-06	0.9258	0.00017586	0.00046	1.84E-05	0.9222	0.000443	0.000136	0	0.9378	0.000128	0.00018	1.3E-05	0.9308	0.00018	0.00018	3.02E-05	0.9463	0.000201
461	590815	4142665	0	0	offsite	0	0	0.000182848	6.14472E-06	0.9258	0.00017542	0.000459	1.73E-05	0.9222	0.00044	0.000136	0	0.9378	0.000127	0.000177	1.24E-05	0.9308	0.000177	0.000179	2.79E-05	0.9463	0.000197
462	590915	4142665	0	0	offsite	0	0	0.000182233	5.79445E-06	0.9258	0.0001745	0.000456	1.63E-05	0.9222	0.000437	0.000134	0	0.9378	0.000126	0.000174	1.19E-05	0.9308	0.000174	0.000176	2.59E-05	0.9463	0.000192
463	591015	4142665	0	0	offsite	0	0	0.000181058	5.45085E-06	0.9258	0.00017307	0.000452	1.53E-05	0.9222	0.000432	0.000132	0	0.9378	0.000124	0.000171	1.15E-05	0.9308	0.00017	0.000172	2.43E-05	0.9463	0.000187
464	591215	4142665	0	0	park			0.000177814	4.87064E-06	0.9258	0.00016948	0.00044	1.38E-05	0.9222	0.00042	0.000128	0	0.9378	0.00012	0.000162	1.05E-05	0.9308	0.000162	0.000162	2.16E-05	0.9463	0.000175
465	590315	4142765	0	0	path			0.000172807	7.43884E-06	0.9258	0.00016742	0.000433	2.15E-05	0.9222	0.000421	0.000127	0	0.9378	0.000119	0.000174	1.57E-05	0.9308	0.000178	0.000165	3.72E-05	0.9463	0.000193
466	590515	4142765	0	0	offsite	0	0	0.000173031	6.77972E-06	0.9258	0.00016697	0.000433	1.93E-05	0.9222	0.000419	0.000127	0	0.9378	0.000119	0.000172	1.37E-05	0.9308	0.000174	0.000166	3.22E-05	0.9463	0.000189
467	590615	4142765	0	0	offsite	0	0	0.000173086	6.44863E-06	0.9258	0.00016669	0.000433	1.82E-05	0.9222	0.000418	0.000127	0	0.9378	0.000119	0.00017	1.29E-05	0.9308	0.000171	0.000165	2.97E-05	0.9463	0.000186
468	590715	4142765	0	0	offsite	0	0	0.000172975	6.11473E-06	0.9258	0.00016625	0.000432	1.72E-05	0.9222	0.000416	0.000126	0	0.9378	0.000119	0.000168	1.22E-05	0.9308	0.000169	0.000164	2.75E-05	0.9463	0.000183
469	590815	4142765	0	0	offsite	0	0	0.000172611	5.77365E-06	0.9258	0.00016557	0.00043	1.62E-05	0.9222	0.000413	0.000126	0	0.9378	0.000118	0.000166	1.17E-05	0.9308	0.000166	0.000163	2.54E-05	0.9463	0.000179
470	590915	4142765	0	0	offsite	0	0	0.000171996	5.44841E-06	0.9258	0.00016468	0.000428	1.52E-05	0.9222	0.00041	0.000125	0	0.9378	0.000117	0.000163	1.12E-05	0.9308	0.000163	0.00016	2.38E-05	0.9463	0.000175
471	591015	4142765	0	0	offsite	0	0	0.000170989	5.14022E-06	0.9258	0.00016344	0.000424	1.44E-05	0.9222	0.000405	0.000123	0	0.9378	0.000115	0.00016	1.09E-05	0.9308	0.00016	0.000157	2.24E-05	0.9463	0.000171
472	591115	4142765	0	0	offsite	0	0	0.000169786	4.86854E-06	0.9258	0.00016205	0.00042	1.37E-05	0.9222	0.000401	0.000121	0	0.9378	0.000114	0.000157	1.05E-05	0.9308	0.000157	0.000153	2.13E-05	0.9463	0.000166
473	591239.5	4140295	0	0	park			0.031979851	0.000456945	0.9258	0.03006286	0.018725	0.000335	0.9222	0.017603	0.001523	0	0.9378	0.001428	0.002804	0.000131	0.9308	0.002741	0.000677	7.29E-05	0.9463	0.000713
474	591338.7	4140348	0	0	park			0.031489962	0.000465599	0.9258	0.02961799	0.01931	0.000362	0.9222	0.01817	0.001794	0	0.9378	0.001682	0.002271	0.000107	0.9308	0.002221	0.000818	8.92E-05	0.9463	0.000863

Risk Calculations - PM2.5 Dust - Unmitigated

No.	6 DPM conc	6 PM2.5 dust	6 DPM→PM	6 g annual co	7 DPM conc	7 PM2.5 dust	7 DPM→PM	7 g annual co	8 DPM conc	8 PM2.5 dust	8 DPM→PM	8 g annual conc
1	0.000108	2.07E-06	0.9307	0.000103	7.12E-05	1.35E-06	0.9315	6.77E-05	4.45E-05	1.63E-06	0.9434	4.36E-05
2	0.000112	2.13E-06	0.9307	0.000106	7.38E-05	1.41E-06	0.9315	7.01E-05	4.59E-05	1.68E-06	0.9434	4.5E-05
3	0.000159	4.42E-06	0.9307	0.000153	0.000125	3.41E-06	0.9315	0.00012	7.71E-05	3.46E-06	0.9434	7.62E-05
4	0.000163	4.88E-06	0.9307	0.000157	0.000128	3.83E-06	0.9315	0.000123	7.85E-05	3.75E-06	0.9434	7.79E-05
5	0.000165	5.42E-06	0.9307	0.000159	0.00013	4.36E-06	0.9315	0.000125	8.01E-05	4.14E-06	0.9434	7.97E-05
6	0.000167	6.06E-06	0.9307	0.000162	0.000132	5.01E-06	0.9315	0.000128	8.15E-05	4.6E-06	0.9434	8.15E-05
7	0.00017	6.76E-06	0.9307	0.000165	0.000135	5.75E-06	0.9315	0.000132	8.29E-05	5.18E-06	0.9434	8.34E-05
8	0.000173	7.51E-06	0.9307	0.000168	0.000138	6.55E-06	0.9315	0.000135	8.43E-05	5.89E-06	0.9434	8.54E-05
9	0.000175	8.26E-06	0.9307	0.000171	0.000141	7.35E-06	0.9315	0.000139	8.58E-05	6.72E-06	0.9434	8.77E-05
10	0.000178	8.98E-06	0.9307	0.000175	0.000145	8.1E-06	0.9315	0.000143	8.74E-05	7.65E-06	0.9434	9.01E-05
11	0.000181	9.66E-06	0.9307	0.000178	0.000149	8.77E-06	0.9315	0.000148	8.92E-05	8.61E-06	0.9434	9.28E-05
12	0.000185	1.03E-05	0.9307	0.000182	0.000153	9.35E-06	0.9315	0.000152	9.12E-05	9.54E-06	0.9434	9.55E-05
13	0.000189	1.08E-05	0.9307	0.000187	0.000158	9.81E-06	0.9315	0.000157	9.33E-05	1.04E-05	0.9434	9.84E-05
14	0.000193	1.13E-05	0.9307	0.000191	0.000162	1.02E-05	0.9315	0.000161	9.57E-05	1.12E-05	0.9434	0.000101
15	0.000197	1.17E-05	0.9307	0.000195	0.000167	1.04E-05	0.9315	0.000165	9.83E-05	1.18E-05	0.9434	0.000105
16	0.000201	1.2E-05	0.9307	0.000199	0.00017	1.05E-05	0.9315	0.000169	0.000101	1.23E-05	0.9434	0.000108
17	0.000205	1.22E-05	0.9307	0.000203	0.000173	1.05E-05	0.9315	0.000172	0.000104	1.27E-05	0.9434	0.00011
18	0.000209	1.23E-05	0.9307	0.000207	0.000175	1.04E-05	0.9315	0.000173	0.000106	1.3E-05	0.9434	0.000113
19	0.000112	2.12E-06	0.9307	0.000106	7.37E-05	1.39E-06	0.9315	7.01E-05	4.59E-05	1.68E-06	0.9434	4.49E-05
20	0.000118	2.19E-06	0.9307	0.000112	7.65E-05	1.44E-06	0.9315	7.27E-05	4.74E-05	1.73E-06	0.9434	4.64E-05
21	0.000173	4.77E-06	0.9307	0.000166	0.000136	3.73E-06	0.9315	0.00013	8.28E-05	3.72E-06	0.9434	8.18E-05
22	0.000176	5.3E-06	0.9307	0.000169	0.000139	4.24E-06	0.9315	0.000134	8.48E-05	4.05E-06	0.9434	8.4E-05
23	0.000176	5.92E-06	0.9307	0.00017	0.000142	4.87E-06	0.9315	0.000137	8.66E-05	4.5E-06	0.9434	8.62E-05
24	0.000179	6.65E-06	0.9307	0.000173	0.000145	5.65E-06	0.9315	0.000141	8.83E-05	5.05E-06	0.9434	8.83E-05
25	0.000182	7.45E-06	0.9307	0.000177	0.000148	6.53E-06	0.9315	0.000145	8.99E-05	5.73E-06	0.9434	9.05E-05
26	0.000186	8.29E-06	0.9307	0.000181	0.000152	7.46E-06	0.9315	0.000149	9.16E-05	6.56E-06	0.9434	9.3E-05
27	0.000189	9.12E-06	0.9307	0.000185	0.000156	8.36E-06	0.9315	0.000154	9.34E-05	7.55E-06	0.9434	9.57E-05
28	0.000192	9.91E-06	0.9307	0.000189	0.000161	9.19E-06	0.9315	0.000159	9.54E-05	8.63E-06	0.9434	9.86E-05
29	0.000196	1.06E-05	0.9307	0.000193	0.000166	9.92E-06	0.9315	0.000164	9.76E-05	9.72E-06	0.9434	0.000102
30	0.0002	1.13E-05	0.9307	0.000197	0.000171	1.05E-05	0.9315	0.00017	0.0001	1.08E-05	0.9434	0.000105
31	0.000205	1.19E-05	0.9307	0.000203	0.000177	1.1E-05	0.9315	0.000175	0.000103	1.17E-05	0.9434	0.000109
32	0.00021	1.23E-05	0.9307	0.000207	0.000182	1.13E-05	0.9315	0.00018	0.000106	1.25E-05	0.9434	0.000112
33	0.000215	1.27E-05	0.9307	0.000213	0.000186	1.14E-05	0.9315	0.000185	0.000109	1.32E-05	0.9434	0.000116
34	0.00022	1.29E-05	0.9307	0.000217	0.00019	1.15E-05	0.9315	0.000188	0.000112	1.37E-05	0.9434	0.000119
35	0.000224	1.31E-05	0.9307	0.000221	0.000192	1.14E-05	0.9315	0.00019	0.000115	1.4E-05	0.9434	0.000122
36	0.000226	1.31E-05	0.9307	0.000224	0.000193	1.13E-05	0.9315	0.000191	0.000118	1.42E-05	0.9434	0.000125
37	0.000118	2.18E-06	0.9307	0.000112	7.63E-05	1.45E-06	0.9315	7.25E-05	4.72E-05	1.77E-06	0.9434	4.63E-05
38	0.000122	2.26E-06	0.9307	0.000116	7.93E-05	1.49E-06	0.9315	7.54E-05	4.89E-05	1.8E-06	0.9434	4.79E-05
39	0.000183	5.17E-06	0.9307	0.000176	0.00015	4.12E-06	0.9315	0.000144	9E-05	4.03E-06	0.9434	8.9E-05
40	0.000189	5.78E-06	0.9307	0.000181	0.000153	4.73E-06	0.9315	0.000147	9.21E-05	4.41E-06	0.9434	9.13E-05
41	0.000192	6.51E-06	0.9307	0.000185	0.000157	5.5E-06	0.9315	0.000151	9.42E-05	4.92E-06	0.9434	9.38E-05
42	0.000195	7.35E-06	0.9307	0.000188	0.00016	6.44E-06	0.9315	0.000156	9.62E-05	5.57E-06	0.9434	9.63E-05
43	0.000196	8.26E-06	0.9307	0.000191	0.000165	7.48E-06	0.9315	0.000161	9.82E-05	6.39E-06	0.9434	9.91E-05
44	0.000199	9.2E-06	0.9307	0.000195	0.000169	8.56E-06	0.9315	0.000166	0.0001	7.4E-06	0.9434	0.000102
45	0.000204	1.01E-05	0.9307	0.0002	0.000175	9.59E-06	0.9315	0.000172	0.000103	8.56E-06	0.9434	0.000105
46	0.000208	1.1E-05	0.9307	0.000205	0.000181	1.05E-05	0.9315	0.000179	0.000105	9.81E-06	0.9434	0.000109
47	0.000214	1.18E-05	0.9307	0.000211	0.000187	1.13E-05	0.9315	0.000185	0.000108	1.11E-05	0.9434	0.000113
48	0.000218	1.25E-05	0.9307	0.000215	0.000193	1.19E-05	0.9315	0.000192	0.000111	1.22E-05	0.9434	0.000117
49	0.000224	1.3E-05	0.9307	0.000221	0.0002	1.23E-05	0.9315	0.000198	0.000114	1.32E-05	0.9434	0.000121
50	0.00023	1.35E-05	0.9307	0.000228	0.000205	1.25E-05	0.9315	0.000204	0.000118	1.41E-05	0.9434	0.000125
51	0.000234	1.38E-05	0.9307	0.000231	0.00021	1.26E-05	0.9315	0.000208	0.000122	1.48E-05	0.9434	0.00013
52	0.000239	1.4E-05	0.9307	0.000236	0.000213	1.26E-05	0.9315	0.000211	0.000125	1.52E-05	0.9434	0.000134
53	0.000244	1.41E-05	0.9307	0.000241	0.000214	1.24E-05	0.9315	0.000212	0.000129	1.55E-05	0.9434	0.000137
54	0.000247	1.41E-05	0.9307	0.000244	0.000214	1.21E-05	0.9315	0.000211	0.000131	1.56E-05	0.9434	0.000139
55	0.000121	2.23E-06	0.9307	0.000115	7.91E-05	1.53E-06	0.9315	7.52E-05	4.87E-05	1.87E-06	0.9434	4.79E-05
56	0.000126	2.32E-06	0.9307	0.00012	8.24E-05	1.56E-06	0.9315	7.83E-05	5.05E-05	1.9E-06	0.9434	4.96E-05
57	0.0002	5.64E-06	0.9307	0.000191	0.000166	4.6E-06	0.9315	0.000159	9.82E-05	4.4E-06	0.9434	9.71E-05
58	0.000203	6.36E-06	0.9307	0.000195	0.00017	5.34E-06	0.9315	0.000164	0.000101	4.83E-06	0.9434	9.99E-05
59	0.000207	7.21E-06	0.9307	0.000199	0.000174	6.29E-06	0.9315	0.000169	0.000103	5.43E-06	0.9434	0.000103
60	0.000209	8.18E-06	0.9307	0.000202	0.000179	7.42E-06	0.9315	0.000174	0.000106	6.21E-06	0.9434	0.000106
61	0.000214	9.22E-06	0.9307	0.000209	0.000185	8.68E-06	0.9315	0.000181	0.000108	7.2E-06	0.9434	0.000109
62	0.000217	1.03E-05	0.9307	0.000213	0.000191	9.94E-06	0.9315	0.000188	0.000111	8.41E-06	0.9434	0.000113
63	0.000222	1.13E-05	0.9307	0.000218	0.000198	1.11E-05	0.9315	0.000195	0.000114	9.81E-06	0.9434	0.000117
64	0.000228	1.23E-05	0.9307	0.000224	0.000205	1.21E-05	0.9315	0.000204	0.000117	1.13E-05	0.9434	0.000121
65	0.000235	1.31E-05	0.9307	0.000231	0.000213	1.29E-05	0.9315	0.000212	0.00012	1.27E-05	0.9434	0.000126
66	0.000241	1.38E-05	0.9307	0.000238	0.000221	1.35E-05	0.9315	0.000219	0.000124	1.4E-05	0.9434	0.000131
67	0.000247	1.44E-05	0.9307	0.000244	0.000228	1.38E-05	0.9315	0.000226	0.000129	1.51E-05	0.9434	0.000137
68	0.000253	1.48E-05	0.9307	0.00025	0.000234	1.4E-05	0.9315	0.000231	0.000133	1.6E-05	0.9434	0.000142
69	0.000258	1.5E-05	0.9307	0.000256	0.000237	1.39E-05	0.9315	0.000235	0.000138	1.66E-05	0.9434	0.000146
70	0.000263	1.52E-05	0.9307	0.00026	0.000239	1.38E-05	0.9315	0.000236	0.000142	1.7E-05	0.9434	0.000151
71	0.000267	1.52E-05	0.9307	0.000264	0.000239	1.35E-05	0.9315	0.000236	0.000145	1.71E-05	0.9434	0.000154
72	0.00027	1.51E-05	0.9307	0.000266	0.000237	1.31E-05	0.9315	0.000233	0.000147	1.71E-05	0.9434	0.000156
73	0.000127	2.29E-06	0.9307	0.00012	8.2E-05	1.64E-06	0.9315	7.8E-05	5.03E-05	2.01E-06	0.9434	4.94E-05
74	0.000131	2.38E-06	0.9307	0.000125	8.56E-05	1.67E-06	0.9315	8.14E-05	5.22E-05	2.02E-06	0.9434	5.13E-05
75	0.000207	5.51E-06	0.9307	0.000198	0.00018	4.5E-06	0.9315	0.000172	0.000105	4.51E-06	0.9434	0.000104
76	0.000214	6.2E-06	0.9307	0.000206	0.000186	5.18E-06	0.9315	0.000178	0.000108	4.83E-06	0.9434	0.000107
77	0.00022	7.04E-06	0.9307	0.000212	0.000191	6.1E-06	0.9315	0.000184	0.000111	5.33E-06	0.9434	0.00011
78	0.000224	8.05E-06	0.9307	0.000217	0.000197	7.28E-06	0.9315	0.00019	0.000114	6.04E-06	0.9434	0.000114
79	0.000229	9.18E-06	0.9307	0.000222	0.000203	8.68E-06	0.9315	0.000198	0.000117	6.99E-06	0.9434	0.000118
80	0.000234	1.04E-05	0.9307	0.000228	0.00021	1.02E-05	0.9315	0.000206	0.00012	8.2E-06	0.9434	0.000122
81	0.000239	1.16E-05	0.9307	0.000234	0.000218	1.17E-05	0.9315	0.000215	0.000124	9.68E-06	0.9434	0.000126
82	0.000245	1.27E-05	0.9307	0.000241	0.000228	1.3E-05	0.9315	0.000225	0.000127	1.14E-05	0.9434	0.000131
83	0.000252	1.37E-05	0.9307	0.000248	0.000237	1.41E-05	0.9315	0.000235	0.000131	1.31E-05	0.9434	0.000137
84	0.000259	1.46E-05	0.9307	0.000256	0.000247	1.49E-05	0.9315	0.000245	0.000136	1.47E-05	0.9434	0.000143
85	0.000266	1.53E-05	0.9307	0.000263	0.000256	1.54E-05	0.9315	0.000254	0.000141	1.61E-05	0.9434	0.00015

No.	2017 1+2	2018 1+2+3	2019 2+3	2020 2+3+4	2021 4	2022 4+5	2023 5	2024 5+6	2025 6	2026 6+7	2027 7	2028 7+8	2029 8	max PM2.5
1	0.000542179	0.00062897	0.000464835	0.000631113	0.000166278	0.00025367	8.73921E-05	0.000190318	0.000102926	0.000170627	6.77008E-05	0.000111299	4.35985E-05	0.000631113
2	0.000570553	0.000661068	0.000487959	0.000662696	0.000174737	0.000265218	9.04806E-05	0.000196677	0.000106196	0.000176306	7.01104E-05	0.000115118	4.50072E-05	0.000662696
3	0.001314273	0.001472203	0.001028623	0.001366815	0.000338192	0.000481324	0.000143132	0.00029567	0.000152539	0.00027262	0.000120081	0.000196264	7.61825E-05	0.001472203
4	0.00137534	0.001537558	0.001070027	0.001422676	0.000352648	0.000499999	0.00014735	0.000304389	0.000157039	0.000279638	0.000122599	0.00020045	7.78509E-05	0.001537558
5	0.001435249	0.001602421	0.001113668	0.001479715	0.000366046	0.000517895	0.000151848	0.00031051	0.000158661	0.000284107	0.000125446	0.00020514	7.96947E-05	0.001602421
6	0.001502347	0.001674861	0.001159612	0.001537418	0.000377805	0.000534338	0.000156532	0.000318475	0.000161943	0.000290326	0.000128384	0.000209865	8.14816E-05	0.001674861
7	0.001568795	0.001747035	0.001204864	0.001591759	0.000386895	0.000548263	0.000161368	0.000326319	0.000164951	0.000296541	0.00013159	0.000214977	8.33869E-05	0.001747035
8	0.001630763	0.001814834	0.001246766	0.001639509	0.000392743	0.000558977	0.000166234	0.000334576	0.000168343	0.000303418	0.000135076	0.000220499	8.54234E-05	0.001814834
9	0.00168197	0.001871738	0.001282405	0.001677499	0.000395094	0.000566073	0.000170979	0.000342302	0.000171323	0.000310245	0.000138922	0.000226611	8.76895E-05	0.001871738
10	0.00172013	0.001915046	0.001309507	0.001703355	0.000393848	0.000569258	0.00017541	0.00035023	0.00017482	0.000317876	0.000143056	0.000233182	9.01256E-05	0.001915046
11	0.001741499	0.001940732	0.001326188	0.00171551	0.000389322	0.00056868	0.000179358	0.000357603	0.000178245	0.000325767	0.000147522	0.000240274	9.27521E-05	0.001940732
12	0.001745223	0.001947661	0.001331597	0.001713409	0.000381812	0.000564467	0.000182655	0.000364682	0.000182026	0.000334213	0.000152187	0.000247723	9.55366E-05	0.001947661
13	0.001730991	0.001935283	0.001325284	0.00169698	0.000371696	0.000556835	0.000185139	0.000371781	0.000186642	0.000343453	0.000156811	0.000255229	9.8418E-05	0.001935283
14	0.001700152	0.001904949	0.001308087	0.001667743	0.000359655	0.000546437	0.000186782	0.000377785	0.000191003	0.000352301	0.000161298	0.000262736	0.000101438	0.001904949
15	0.001656023	0.001860048	0.001281621	0.001627893	0.000346271	0.00053383	0.000187558	0.000382268	0.00019471	0.000360176	0.000165467	0.000270048	0.000104581	0.001860048
16	0.00160007	0.001801989	0.001246659	0.001578447	0.000331789	0.000519211	0.000187422	0.000386094	0.000198671	0.00036765	0.000168979	0.000276618	0.000107639	0.001801989
17	0.001534151	0.001732687	0.001204422	0.001520925	0.000316503	0.000502838	0.000186334	0.000389274	0.00020294	0.000374551	0.000171611	0.000282061	0.000110451	0.001732687
18	0.001463072	0.001657232	0.001157578	0.001458596	0.000301018	0.000485481	0.000184463	0.000391588	0.000207125	0.000380497	0.000173372	0.000286396	0.000113024	0.001657232
19	0.000566466	0.000657263	0.000486347	0.000662621	0.000176274	0.000267609	9.13354E-05	0.000197773	0.000106437	0.000176511	7.00731E-05	0.00011502	4.49469E-05	0.000662621
20	0.000598467	0.000693403	0.000512223	0.000698338	0.000186116	0.0002809	9.47843E-05	0.000206438	0.000111653	0.000184312	7.26591E-05	0.000119072	4.64127E-05	0.000698338
21	0.001547564	0.001723964	0.001191159	0.001584441	0.000393282	0.000549891	0.000156609	0.000322729	0.000166119	0.000296534	0.000130414	0.000212253	8.18382E-05	0.001723964
22	0.0016239	0.001806191	0.001245877	0.001656279	0.000410402	0.000572306	0.000161903	0.000331001	0.000169098	0.000302899	0.000133801	0.000217829	8.4028E-05	0.001806191
23	0.00170308	0.001891779	0.001302481	0.001727939	0.000425458	0.000592797	0.000167339	0.000336991	0.000169652	0.000306881	0.000137229	0.00022342	8.61906E-05	0.001891779
24	0.001788864	0.001984404	0.001359672	0.00179696	0.000437288	0.000610266	0.000172978	0.000346176	0.000173198	0.000313997	0.0001408	0.000229107	8.8307E-05	0.001984404
25	0.001869192	0.002071823	0.001412836	0.001857657	0.000444821	0.000623535	0.000178714	0.000355555	0.000176841	0.000321572	0.000144732	0.00023528	9.0548E-05	0.002071823
26	0.001937948	0.002147478	0.001458181	0.001905769	0.000447589	0.000631954	0.000184365	0.000365351	0.000180986	0.00033002	0.000149034	0.000241996	9.29618E-05	0.002147478
27	0.001986852	0.002202731	0.001492159	0.001937816	0.000445657	0.000635343	0.000189685	0.000374542	0.000184856	0.000338646	0.000153789	0.000249442	9.56531E-05	0.002202731
28	0.002012994	0.002234215	0.00151237	0.001951785	0.000439415	0.000633887	0.000194472	0.000383235	0.000188763	0.000347724	0.000158961	0.000257578	9.86165E-05	0.002234215
29	0.00201528	0.002240447	0.001517706	0.001947062	0.000429356	0.000627851	0.000198495	0.000391495	0.000193	0.00035745	0.00016445	0.000266233	0.000101783	0.002240447
30	0.001994011	0.002221507	0.00150806	0.001924314	0.000416253	0.000617833	0.00020158	0.000398859	0.00019728	0.000367342	0.000170063	0.000275227	0.000105164	0.002221507
31	0.001950056	0.002178027	0.00148378	0.001884315	0.000400535	0.000604078	0.000203543	0.00040619	0.000202647	0.000378095	0.000175448	0.000284091	0.000108642	0.002178027
32	0.001888847	0.002115645	0.001447574	0.001830896	0.000383322	0.000587777	0.000204455	0.000411804	0.000207348	0.000387835	0.000180487	0.000292766	0.000112279	0.002115645
33	0.001812697	0.002036618	0.001400821	0.001765747	0.000364926	0.000569122	0.000204195	0.000417219	0.000213023	0.000397779	0.000184755	0.000300627	0.000115872	0.002036618
34	0.001726271	0.001945815	0.001346028	0.001691961	0.000345933	0.000548765	0.000202831	0.00042015	0.000217319	0.000405332	0.000188014	0.000307289	0.000119276	0.001945815
35	0.001634743	0.001848753	0.001286177	0.001613221	0.000327044	0.000527596	0.000200552	0.000421699	0.000221147	0.000411372	0.000190226	0.00031266	0.000122434	0.001848753
36	0.001541542	0.001749128	0.001223574	0.001532143	0.000308569	0.000506037	0.000197468	0.000421057	0.000223589	0.000414942	0.000191353	0.000316555	0.000125202	0.001749128
37	0.00059213	0.000687155	0.000509004	0.000696229	0.000187226	0.000282787	9.55614E-05	0.00020769	0.000112129	0.000184651	7.25218E-05	0.000118851	4.63287E-05	0.000696229
38	0.000627985	0.000727728	0.000538328	0.000737117	0.000198789	0.000298282	9.94927E-05	0.000215181	0.000115688	0.000191052	7.53641E-05	0.000123294	4.79301E-05	0.000737117
39	0.0018506	0.002051036	0.001408097	0.001872917	0.00046482	0.000638142	0.000173323	0.000348837	0.000175514	0.000319036	0.000143522	0.000232494	8.89724E-05	0.002051036
40	0.00196334	0.002171163	0.001481225	0.001966063	0.000484837	0.000664426	0.000179589	0.00036084	0.000181251	0.00032849	0.000147238	0.000238539	9.1301E-05	0.002171163
41	0.002074546	0.002290619	0.001554418	0.002054812	0.000500394	0.000686601	0.000186206	0.000370958	0.000184752	0.000336047	0.000151295	0.000245045	9.375E-05	0.002290619
42	0.002179461	0.002404227	0.001622972	0.002133211	0.000510239	0.00070327	0.00019303	0.000381511	0.000188481	0.000344222	0.00015574	0.000252039	9.62983E-05	0.002404227
43	0.002265706	0.002499181	0.001681106	0.002194894	0.000513788	0.000713621	0.000199833	0.00039045	0.000190617	0.000351397	0.00016078	0.000259853	9.9073E-05	0.002499181
44	0.002330499	0.002571941	0.001724454	0.002235323	0.000510869	0.000717174	0.000206305	0.000400924	0.000194619	0.000360891	0.000166272	0.000268326	0.000102054	0.002571941
45	0.002365057	0.002613145	0.001749388	0.002251359	0.000501972	0.000714115	0.000212143	0.000411852	0.000199709	0.000371956	0.000172247	0.000277541	0.000105294	0.002613145
46	0.002364867	0.002617851	0.00175399	0.002242154	0.000488164	0.000705253	0.000217089	0.000421784	0.000204694	0.000383398	0.000178704	0.000287582	0.000108878	0.002617851
47	0.002331034	0.002586748	0.001738131	0.002208466	0.000470334	0.000691171	0.000220837	0.000432151	0.000211314	0.000396696	0.000185382	0.000298091	0.000112709	0.002586748
48	0.002270285	0.002526593	0.001704573	0.002154653	0.00045008	0.00067346	0.00022338	0.000438461	0.000215082	0.000407201	0.000192119	0.000309022	0.000116903	0.002526593
49	0.002182968	0.002437481	0.001654057	0.002081599	0.000427542	0.000651949	0.000224407	0.000445574	0.000221167	0.000419424	0.000198257	0.000319397	0.00012114	0.002437481
50	0.002079221	0.002329891	0.001591202	0.001995345	0.000404143	0.000628212	0.000224069	0.000451638	0.000227569	0.000431166	0.000203596	0.000329057	0.000125461	0.002329891
51	0.001966132	0.002211224	0.001519885	0.001900517	0.000380632	0.000603112	0.000222479	0.000453948	0.000231469	0.000439301	0.000207833	0.000337544	0.000129711	0.002211224
52	0.001845121	0.002083032	0.001441836	0.001799029	0.000357193	0.000576791	0.000219598	0.000455754	0.000236156	0.00044674	0.000210584	0.000344156	0.000133571	0.002083032
53	0.00172077	0.001950165	0.001359843	0.001694032	0.000334189	0.000549701	0.000215512	0.000456541	0.000241029	0.000452687	0.000211658	0.000348432	0.000136774	0.001950165
54	0.001601221	0.001821447	0.001278338	0.00159085	0.000312512	0.000523211	0.000210698	0.000454745	0.000244046	0.000455437	0.000211391	0.000350815	0.000139424	0.001821447
55	0.000618512	0.00071818	0.000533193	0.000732572	0.000199379	0.000299569	0.00010019	0.000214701	0.000114511	0.000189717	7.52058E-05	0.000123063	4.78575E-05	0.000732572
56	0.000658933	0.000763928	0.00056636	0.000779349	0.000212988	0.000317632	0.000104644	0.000224636	0.000119992	0.000198295	7.83029E-05	0.00012787	4.95673E-05	0.000779349
57	0.002290247	0.002521259	0.001707171	0.002267075	0.000559904	0.000753561	0.000193657	0.000385108	0.000191451	0.0003504	0.000158949	0.000256038	9.70885E-05	0.002521259
58	0.002441674	0.002682685	0.001803579	0.002384652	0.000581072	0.000782514	0.000201442	0.000396798	0.000195356	0.000358983	0.000163627	0.000263567	9.99393E-05	0.002682685
59	0.002584677	0.00283646	0.001894249	0.00248855	0.000594302	0.000803894	0.000209593	0.000409087	0.000199494	0.000368182	0.000168688	0.000271582	0.000102894	0.00283646
60	0.002704975	0.002967647	0.001971077	0.002569709	0.000598632	0.000816444	0.000217811	0.00042031	0.000202499	0.000376848	0.000174349	0.000280348	0.000105999	0.002967647
61	0.002793656	0.003066387	0.002027341	0.002621089	0.000593749	0.000819465	0.000225717	0.000434381	0.000208664	0.000389245	0.000180581	0.000289821	0.00010924	0.003066387
62	0.002835074	0.003116366	0.002057812	0.002638952	0.00058114	0.00081412	0.00023298	0.000445571	0.000212591	0.000400265	0.000187674	0.000300591	0.000112917	0.003116366
63	0.002829144	0.003116652	0.002060404	0.002622343	0.000561939	0.000801069	0.00023913	0.000457058	0.000217928	0.000413318	0.000195391	0.000312382	0.000116991	0.003116652
64	0.002776568	0.003067459	0.002035383	0.002573072	0.000537689	0.000781535	0.000243846	0.000467964	0.000224118	0.00042763	0.000203511	0.000324946	0.000121434	0.003067459
65	0.002682508	0.002973725	0.001985048	0.002495018	0.00050997	0.00075683	0.00024686	0.000478308	0.000231449	0.000443102	0.000211654	0.000337854	0.0001262	0.002973725
66	0.002560648	0.002849358	0.001914897	0.002395632	0.000480735	0.000728944	0.000248209	0.000486023	0.000237814	0.000457266	0.000219452	0.000350788	0.000131336	0.002849358
67	0.002415783	0.002699211	0.001828635	0.002279161	0.000450527	0.000698243	0.000247716	0.000491827	0.000244111	0.000470303	0.000226193	0.000362753	0.000136561	0.002699211
68	0.002259865	0.002535756	0.001732032	0.002152598	0.000420566	0.000666164	0.000245598	0.000495661	0.000250063	0.000481548	0.000231485	0.000373206	0.000141721	0.002535756
69	0.002098434	0.00236489	0.001629074	0.002020426	0.000391351	0.000633274	0.000241923	0.000497477	0.000255554	0.000490511	0.000234957	0.000381455	0.000146498	0.00236489
70	0.00193816	0.00219377	0.001523788	0.001887211	0.000363424	0.000600337	0.000236913	0.000497065	0.000260151	0.000496568	0.000236417	0.000387036	0.000150619	0.00219377
71	0.001783562	0.002027362	0.001419366	0.001756441	0.000337075	0.000567865	0.00023079	0.000494563	0.000263773	0.00049964	0.000235867	0.000389739	0.000153872	0.002027362
72	0.001637773	0.001869245	0.001318219	0.001630771	0.000312552	0.000536365	0.000223813	0.000490053	0.00026624	0.000499704	0.000233465	0.000389566	0.000156101	0.001869245
73	0.000645727	0.000750277	0.000558226	0.000770956	0.000212731	0.000317879	0.000105149	0.000225429	0.00012028	0.000198269	7.79891E-05	0.000127412	4.94232E-05	0.000770956
74	0.000691061	0.000801708	0.000595831	0.000824599	0.000228768	0.000339019	0.000110251	0.000234842	0.000124591	0.00020599	8.13987E-05	0.000132683	5.12838E-05	0.000824599
75	0.002697195	0.002956485	0.001994105	0.002649727	0.000655622	0.000865439	0.000209817	0.000407606	0.000197789	0.000370224	0.000172435	0.000275962	0.000103527	0.002956485
76	0.002927212	0.00319886	0.002130328	0.002816785	0.000686456	0.000905549	0.000219092	0.000424923	0.000205831	0.00038387	0.000178039	0.000284934	0.000106895	0.00319886
77	0.003135733	0.003420823	0.002254239	0.002959074	0.000704835	0.000933713	0.000228878	0.000440779	0.000211901	0.000395793	0.000183892	0.000294228	0.000110336	0.003420823
78	0.003305553	0.003604573	0.002358335	0.003068612	0.000710277	0.00094921	0.000238933	0.000455783	0.000216851	0.000407254	0.000190404	0.000304386	0.000113982	0.003604573
79	0.003428396	0.003740473	0.002432683	0.003135222	0.000702539	0.000951278	0.000248739	0.000470911	0.000222173	0.000419769	0.000197596	0.000315294	0.000117698	0.003740473
80	0.003481971	0.003805115	0.002470217	0.003153979	0.000683762	0.000941569	0.000257807	0.000485761	0.000227954	0.000433811	0.000205857	0.000327645	0.000121789	0.003805115
81	0.003463538	0.00379465	0.002467855	0.003123901	0.000656045	0.000921586	0.00026554	0.000499791	0.00023425	0.000449288	0.000215038	0.000341356	0.000126319	0.00379465
82	0.003379469	0.003714809	0.002427458	0.003049814	0.000622357	0.000893893	0.000271537	0.000512561	0.000241024	0.000466042	0.000225019	0.000356478	0.00013146	0.003714809
83	0.0032357	0.003571069	0.002352209	0.002936634	0.000584425	0.000859728	0.000275303	0.000523525	0.000248222	0.000483368	0.000235146	0.000372176	0.00013703	0.003571069
84	0.003056979	0.003388594	0.002251221	0.002796604	0.000545383	0.000822342	0.00027696	0.00053263	0.00025567	0.000500714	0.000245044	0.000388235	0.000143191	0.003388594
85	0.002850817	0.003175074	0.002130401	0.002636364	0.000505963	0.000782241	0.000276278	0.000539375	0.000263097	0.0005168	0.000253703	0.000403262	0.000149559	0.003175074

	6				7				8				2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
No.	DPM conc	PM2.5 dust	DPM→PM2.5	g annual co	DPM conc	PM2.5 dust	DPM→PM2.5	g annual co	DPM conc	PM2.5 dust	DPM→PM2.5	g annual conc	1+2	1+2+3	2+3	2+3+4	4	4+5	5	5+6	6	6+7	7	7+8	8	max PM2.5
86	0.000273	1.59E-05	0.9307	0.00027	0.000263	1.56E-05	0.9315	0.00026	0.000147	1.73E-05	0.9434	0.000156	0.00263132	0.002945221	0.001997326	0.002464715	0.000467389	0.00074079	0.000273402	0.000543676	0.000270274	0.00053074	0.000260466	0.000416356	0.000155891	0.002945221
87	0.00028	1.62E-05	0.9307	0.000277	0.000268	1.56E-05	0.9315	0.000265	0.000152	1.82E-05	0.9434	0.000162	0.002413345	0.00271468	0.001859516	0.002290304	0.000430788	0.000699471	0.000268683	0.000545467	0.000276785	0.000541719	0.000264934	0.000426847	0.000161913	0.00271468
88	0.000286	1.64E-05	0.9307	0.000282	0.00027	1.54E-05	0.9315	0.000267	0.000157	1.87E-05	0.9434	0.000167	0.002199385	0.002486433	0.001720725	0.002116935	0.00039621	0.000658412	0.000262201	0.000544548	0.000282347	0.000549017	0.00026667	0.000433771	0.000167101	0.002486433
89	0.00029	1.65E-05	0.9307	0.000287	0.000269	1.51E-05	0.9315	0.000266	0.000161	1.9E-05	0.9434	0.000171	0.001999504	0.002271345	0.001586341	0.00195069	0.000364349	0.000618835	0.000254486	0.000541195	0.000286708	0.000552575	0.000265867	0.000437136	0.000171269	0.002271345
90	0.000294	1.64E-05	0.9307	0.00029	0.000266	1.46E-05	0.9315	0.000263	0.000164	1.9E-05	0.9434	0.000174	0.001815077	0.00207131	0.00145873	0.001793888	0.000335158	0.000580939	0.000245781	0.000535475	0.000289694	0.000552303	0.000262609	0.000436739	0.00017413	0.00207131
91	0.000295	1.62E-05	0.9307	0.000291	0.000261	1.41E-05	0.9315	0.000257	0.000166	1.88E-05	0.9434	0.000175	0.001645303	0.001885721	0.001338436	0.001646824	0.000308389	0.000544593	0.000236204	0.000527329	0.000291124	0.000548173	0.000257048	0.000432471	0.000175423	0.001885721
92	0.000131	2.36E-06	0.9307	0.000125	8.49E-05	1.79E-06	0.9315	8.09E-05	5.18E-05	2.18E-06	0.9434	5.11E-05	0.000673202	0.000782945	0.000583935	0.00081127	0.000227336	0.00033787	0.000110534	0.000235269	0.000124735	0.000205624	8.08891E-05	0.000131962	5.10726E-05	0.00081127
93	0.000135	2.45E-06	0.9307	0.000128	8.91E-05	1.8E-06	0.9315	8.48E-05	5.4E-05	2.19E-06	0.9434	5.32E-05	0.000723604	0.000840423	0.000626871	0.000873207	0.000246336	0.000362762	0.000116426	0.0002442	0.000127774	0.000212541	8.47678E-05	0.000137935	5.31676E-05	0.000873207
94	0.00024	7.87E-06	0.9307	0.000232	0.000217	7.07E-06	0.9315	0.00021	0.000124	5.93E-06	0.9434	0.000123	0.004161513	0.004506555	0.002893851	0.003755404	0.000861552	0.001125529	0.000263976	0.00049553	0.000231554	0.000441157	0.000209603	0.000332708	0.000123105	0.004506555
95	0.000244	9.06E-06	0.9307	0.000236	0.000225	8.55E-06	0.9315	0.000218	0.000128	6.79E-06	0.9434	0.000128	0.004336259	0.004698629	0.002994117	0.003843399	0.000849282	0.001125566	0.000276284	0.000512337	0.000236053	0.000454093	0.00021804	0.00034563	0.000127589	0.004698629
96	0.000251	1.04E-05	0.9307	0.000244	0.000233	1.03E-05	0.9315	0.000228	0.000132	7.96E-06	0.9434	0.000132	0.004407683	0.004784712	0.003039631	0.003859691	0.00082006	0.001107863	0.000287804	0.000531897	0.000244093	0.000471669	0.000227576	0.000359772	0.000132196	0.004784712
97	0.000257	1.18E-05	0.9307	0.000251	0.000243	1.21E-05	0.9315	0.000239	0.000136	9.47E-06	0.9434	0.000137	0.004366052	0.0047536	0.003027301	0.003806635	0.000779334	0.001077052	0.000297718	0.000548979	0.000251261	0.000489869	0.000238608	0.000375976	0.000137368	0.0047536
98	0.000264	1.31E-05	0.9307	0.000259	0.000254	1.39E-05	0.9315	0.000251	0.00014	1.13E-05	0.9434	0.000143	0.004222061	0.004614816	0.002959487	0.003690149	0.000730661	0.001036008	0.000305347	0.000564409	0.000259062	0.000509852	0.000250789	0.000393947	0.000143158	0.004614816
99	0.000272	1.44E-05	0.9307	0.000267	0.000267	1.54E-05	0.9315	0.000264	0.000145	1.33E-05	0.9434	0.00015	0.004003449	0.004395848	0.002845557	0.003524014	0.000678457	0.000988767	0.00031031	0.00057774	0.00026743	0.000531173	0.000263743	0.000413544	0.000149801	0.004395848
100	0.00028	1.55E-05	0.9307	0.000276	0.000279	1.65E-05	0.9315	0.000276	0.00015	1.54E-05	0.9434	0.000157	0.003726802	0.004113341	0.002695029	0.003319889	0.00062486	0.000937062	0.000312202	0.000588403	0.000276201	0.000552554	0.000276352	0.000433423	0.000157071	0.004113341
101	0.000289	1.64E-05	0.9307	0.000285	0.00029	1.73E-05	0.9315	0.000288	0.000156	1.72E-05	0.9434	0.000165	0.003422212	0.003798173	0.002521066	0.003093515	0.000572449	0.000883587	0.000311138	0.000596212	0.000285074	0.000572707	0.000287633	0.000452474	0.000164841	0.003798173
102	0.000297	1.71E-05	0.9307	0.000294	0.000299	1.76E-05	0.9315	0.000297	0.000163	1.88E-05	0.9434	0.000173	0.003109411	0.003470951	0.002334677	0.002857175	0.000522498	0.000829752	0.000307255	0.000600915	0.00029366	0.00059017	0.000296509	0.000469263	0.000172754	0.003470951
103	0.000305	1.76E-05	0.9307	0.000302	0.000305	1.77E-05	0.9315	0.000302	0.00017	2E-05	0.9434	0.00018	0.002805025	0.00314937	0.002145558	0.002621491	0.000475932	0.000776849	0.000300917	0.000602485	0.000301568	0.000603812	0.000302244	0.000482591	0.000180347	0.00314937
104	0.000312	1.78E-05	0.9307	0.000308	0.000308	1.75E-05	0.9315	0.000304	0.000176	2.08E-05	0.9434	0.000187	0.002519145	0.002844544	0.001960976	0.002394201	0.000433225	0.000725828	0.000292603	0.000600941	0.000308338	0.000612831	0.000304493	0.000491592	0.000187099	0.002844544
105	0.000318	1.79E-05	0.9307	0.000314	0.000307	1.7E-05	0.9315	0.000303	0.000182	2.12E-05	0.9434	0.000192	0.002255961	0.002561361	0.001785093	0.002179397	0.000394304	0.000676871	0.000282568	0.000596185	0.000313618	0.000616699	0.000303081	0.000495512	0.000192431	0.002561361
106	0.000322	1.79E-05	0.9307	0.000317	0.000303	1.65E-05	0.9315	0.000299	0.000185	2.13E-05	0.9434	0.000196	0.002019591	0.002304933	0.001622179	0.001981654	0.000359475	0.000631026	0.000271551	0.000588779	0.000317228	0.00061578	0.000298551	0.000494681	0.00019613	0.002304933
107	0.000324	1.77E-05	0.9307	0.000319	0.000296	1.58E-05	0.9315	0.000291	0.000187	2.1E-05	0.9434	0.000198	0.001808436	0.002073928	0.0014723	0.001800489	0.000328189	0.000587838	0.000259649	0.000578614	0.000318965	0.000610083	0.000291119	0.000488957	0.000197839	0.002073928
108	0.000324	1.74E-05	0.9307	0.000319	0.000286	1.51E-05	0.9315	0.000281	0.000188	2.06E-05	0.9434	0.000198	0.001622086	0.001868454	0.001336548	0.001636846	0.000300298	0.000547599	0.000247301	0.000566133	0.000318832	0.000600263	0.000281431	0.000479025	0.000197594	0.001868454
109	0.000136	2.44E-06	0.9307	0.000129	8.8E-05	1.97E-06	0.9315	8.39E-05	5.34E-05	2.39E-06	0.9434	5.28E-05	0.000700627	0.000815815	0.000609928	0.000853166	0.000243237	0.000359617	0.00011638	0.000245831	0.000129451	0.000213349	8.38979E-05	0.000136666	5.27679E-05	0.000853166
110	0.000142	2.54E-06	0.9307	0.000135	9.25E-05	1.98E-06	0.9315	8.82E-05	5.58E-05	2.39E-06	0.9434	5.5E-05	0.000757068	0.000880281	0.000658281	0.000923969	0.000265689	0.000388776	0.000123087	0.000257784	0.000134696	0.000222847	8.81513E-05	0.00014319	5.50383E-05	0.000923969
111	0.000271	1.03E-05	0.9307	0.000263	0.000262	1.02E-05	0.9315	0.000254	0.000145	7.73E-06	0.9434	0.000145	0.005806195	0.006254348	0.00385981	0.004866915	0.001007105	0.001331608	0.000324503	0.000587174	0.000262671	0.000516721	0.000254051	0.000398584	0.000144533	0.006254348
112	0.000278	1.19E-05	0.9307	0.000271	0.000273	1.24E-05	0.9315	0.000267	0.00015	9.18E-06	0.9434	0.000151	0.005710797	0.006173133	0.00382438	0.004769015	0.000944635	0.00128209	0.000337455	0.000608305	0.00027085	0.000538044	0.000267194	0.000417702	0.000150507	0.006173133
113	0.000286	1.35E-05	0.9307	0.00028	0.000287	1.47E-05	0.9315	0.000282	0.000155	1.11E-05	0.9434	0.000157	0.005463509	0.005932506	0.003709109	0.004582247	0.000873138	0.001220622	0.000347484	0.000627339	0.000279854	0.000562163	0.000282309	0.000439515	0.000157207	0.005932506
114	0.000295	1.5E-05	0.9307	0.00029	0.000303	1.67E-05	0.9315	0.000299	0.000161	1.34E-05	0.9434	0.000165	0.005095492	0.005563006	0.003526818	0.004324697	0.000797879	0.001151678	0.000353799	0.000643476	0.000289676	0.00058836	0.000298683	0.000463504	0.000164821	0.005563006
115	0.000305	1.64E-05	0.9307	0.0003	0.000319	1.84E-05	0.9315	0.000315	0.000167	1.59E-05	0.9434	0.000174	0.004661252	0.005119701	0.003297356	0.004021082	0.000723726	0.00107989	0.000356164	0.00065622	0.000300057	0.000615272	0.000315216	0.000488742	0.000173526	0.005119701
116	0.000315	1.76E-05	0.9307	0.000311	0.000334	1.95E-05	0.9315	0.00033	0.000175	1.83E-05	0.9434	0.000183	0.004197018	0.004639904	0.003039871	0.003692919	0.000653048	0.001007541	0.000354493	0.000665224	0.000310731	0.000640951	0.00033022	0.00051328	0.00018306	0.004639904
117	0.000325	1.85E-05	0.9307	0.000321	0.000346	2.01E-05	0.9315	0.000342	0.000183	2.04E-05	0.9434	0.000193	0.003739096	0.004161493	0.002772382	0.003360023	0.00058764	0.000936807	0.000349166	0.00067032	0.000321154	0.000663342	0.000342188	0.000535254	0.000193066	0.004161493
118	0.000335	1.91E-05	0.9307	0.000331	0.000354	2.03E-05	0.9315	0.00035	0.000192	2.21E-05	0.9434	0.000203	0.00330785	0.003706391	0.002508532	0.003036753	0.000528221	0.0008689	0.000340678	0.000671502	0.000330823	0.000680702	0.000349879	0.00055276	0.000202881	0.003706391
119	0.000343	1.95E-05	0.9307	0.000339	0.000357	2E-05	0.9315	0.000353	0.0002	2.33E-05	0.9434	0.000212	0.002914725	0.00328751	0.002257599	0.002732492	0.000474894	0.000804504	0.000329611	0.000668763	0.000339152	0.000691817	0.000352665	0.000564374	0.000211709	0.00328751
120	0.00035	1.97E-05	0.9307	0.000346	0.000355	1.95E-05	0.9315	0.000351	0.000207	2.39E-05	0.9434	0.000219	0.002565311	0.002911644	0.002025445	0.002453017	0.000427572	0.000744219	0.000316647	0.000662324	0.000345677	0.000696235	0.000350558	0.000569391	0.000218833	0.002911644
121	0.000355	1.96E-05	0.9307	0.00035	0.000349	1.88E-05	0.9315	0.000344	0.000212	2.41E-05	0.9434	0.000224	0.002259164	0.002579296	0.00181472	0.002200552	0.000385832	0.00068819	0.000302357	0.000652419	0.000350061	0.000694057	0.000343995	0.000567643	0.000223647	0.002579296
122	0.000357	1.94E-05	0.9307	0.000352	0.000339	1.8E-05	0.9315	0.000334	0.000214	2.38E-05	0.9434	0.000226	0.001993435	0.002288257	0.001625909	0.001974997	0.000349088	0.000636319	0.00028723	0.000639323	0.000352093	0.000685764	0.000333671	0.000559509	0.000225838	0.002288257
123	0.000357	1.9E-05	0.9307	0.000352	0.000326	1.71E-05	0.9315	0.00032	0.000214	2.33E-05	0.9434	0.000225	0.001764665	0.002035527	0.001458548	0.001775415	0.000316867	0.00058862	0.000271753	0.000623516	0.000351763	0.000672241	0.000320478	0.000545838	0.00022536	0.002035527
124	0.000355	1.86E-05	0.9307	0.000349	0.00031	1.62E-05	0.9315	0.000305	0.000212	2.26E-05	0.9434	0.000222	0.001568251	0.001816755	0.001311004	0.001599632	0.000288628	0.000544875	0.000256247	0.000605369	0.000349122	0.000654369	0.000305247	0.000527627	0.00022238	0.001816755
125	0.000142	2.55E-06	0.9307	0.000134	9.11E-05	2.2E-06	0.9315	8.7E-05	5.5E-05	2.64E-06	0.9434	5.45E-05	0.000728038	0.000848907	0.00063627	0.000896598	0.000260328	0.000383116	0.000122788	0.000257253	0.000134465	0.000221514	8.70489E-05	0.000141598	5.45491E-05	0.000896598
126	0.000148	2.64E-06	0.9307	0.00014	9.61E-05	2.21E-06	0.9315	9.17E-05	5.76E-05	2.65E-06	0.9434	5.7E-05	0.000790264	0.000920272	0.000690242	0.00097711	0.000286867	0.000417312	0.000130445	0.000270712	0.000140267	0.000231991	9.17232E-05	0.000148741	5.70181E-05	0.00097711
127	0.000322	1.56E-05	0.9307	0.000316	0.000348	1.81E-05	0.9315	0.000342	0.00018	1.32E-05	0.9434	0.000183	0.006743062	0.007312678	0.004507641	0.005460953	0.000953311	0.001362448	0.000409137	0.000724754	0.000315617	0.000657834	0.000342216	0.000525198	0.000182982	0.007312678
128	0.000334	1.73E-05	0.9307	0.000328	0.000369	2.05E-05	0.9315	0.000364	0.000188	1.61E-05	0.9434	0.000193	0.006026306	0.006581457	0.004143912	0.004992277	0.000848365	0.001260454	0.000412089	0.000740109	0.00032802	0.000692265	0.000364245	0.0005576	0.000193355	0.006581457
129	0.000346	1.88E-05	0.9307	0.000341	0.000389	2.22E-05	0.9315	0.000385	0.000197	1.92E-05	0.9434	0.000205	0.00528682	0.00581847	0.003749633	0.004501188	0.000751554	0.001161028	0.000409474	0.000750424	0.00034095	0.000725702	0.000384752	0.000589818	0.000205066	0.00581847
130	0.000359	2E-05	0.9307	0.000354	0.000406	2.32E-05	0.9315	0.000401	0.000207	2.21E-05	0.9434	0.000218	0.004590602	0.005092328	0.00335391	0.004018756	0.000664846	0.001066809	0.000401963	0.000755716	0.000353753	0.000755045	0.000401292	0.000619089	0.000217797	0.005092328
131	0.00037	2.09E-05	0.9307	0.000366	0.000417	2.36E-05	0.9315	0.000412	0.000218	2.45E-05	0.9434	0.000231	0.003959415	0.004427211	0.002975933	0.003564197	0.000588264	0.000978446	0.000390182	0.000755919	0.000365737	0.000777549	0.000411812	0.000642416	0.000230604	0.004427211
132	0.000381	2.15E-05	0.9307	0.000376	0.000421	2.33E-05	0.9315	0.000415	0.000229	2.62E-05	0.9434	0.000242	0.00340864	0.003840755	0.002628177	0.003149654	0.000521478	0.000896686	0.000375209	0.000751326	0.000376117	0.000791469	0.000415352	0.000657739	0.000242388	0.003840755
133	0.000389	2.17E-05	0.9307	0.000384	0.000418	2.27E-05	0.9315	0.000412	0.000238	2.72E-05	0.9434	0.000252	0.002937305	0.003333725	0.002316483	0.002780184	0.000463701	0.000821722	0.000358021	0.000742255	0.000384233	0.000796217	0.000411983	0.000664022	0.000252038	0.003333725
134	0.000395	2.17E-05	0.9307	0.00039	0.000409	2.18E-05	0.9315	0.000402	0.000245	2.76E-05	0.9434	0.000259	0.002537541	0.002899363	0.002041368	0.002455113	0.000413744	0.000753015	0.000339271	0.000728895	0.000389625	0.000791943	0.000402318	0.000660843	0.000258524	0.002899363
135	0.000398	2.15E-05	0.9307	0.000392	0.000394	2.07E-05	0.9315	0.000388	0.000248	2.74E-05	0.9434	0.000261	0.002202039	0.002531296	0.001801984	0.002172778	0.000370794	0.000690702	0.000319908	0.000711943	0.000392035	0.000779745	0.00038771	0.000649153	0.000261443	0.002531296
136	0.000398	2.1E-05	0.9307	0.000391	0.000376	1.95E-05	0.9315	0.000369	0.000248	2.68E-05	0.9434	0.000261	0.00192071	0.002219731	0.00159468	0.00192844	0.00033376	0.000634031	0.000300271	0.000691643	0.000391372	0.000760743	0.000369371	0.000629982	0.000260611	0.002219731
137	0.000395	2.05E-05	0.9307	0.000388	0.000355	1.83E-05	0.9315	0.000349	0.000244	2.58E-05	0.9434	0.000256	0.001684983	0.00195632	0.00141593	0.001717675	0.000301745	0.000582624	0.000280879	0.000668638	0.000387759	0.000736361	0.000348602	0.000604922	0.000256319	0.00195632
138	0.000389	1.99E-05	0.9307	0.000382	0.000332	1.72E-05	0.9315	0.000327	0.000238	2.47E-05	0.9434	0.000249	0.001488355	0.001734856	0.001263318	0.00153759	0.000274272	0.000536605	0.000262333	0.000643955	0.000381622	0.000708425	0.000326803	0.000576096	0.000249293	0.001734856
139	0.000147	2.7E-06	0.9307	0.00014	9.43E-05	2.47E-06	0.9315	9.03E-05	5.67E-05	2.93E-06	0.9434	5.64E-05	0.000755479	0.000882179	0.000662752	0.000941112	0.00027836	0.000408175	0.000129815	0.000269626	0.000139811	0.000230094	9.02837E-05	0.000146686	5.64027E-05	0.000941112
140	0.000152	2.78E-06	0.9307	0.000145	9.98E-05	2.49E-06	0.9315	9.55E-05	5.95E-05	2.95E-06	0.9434	5.91E-05	0.000823312	0.000960412	0.000722569	0.001032196	0.000309626	0.000448177	0.000138551	0.000283146	0.000144596	0.000240054	9.54586E-05	0.000154557	5.90982E-05	0.001032196
141	0.000369	1.82E-05	0.9307	0.000361	0.000434	2.28E-05	0.9315	0.000427	0.000214	1.61E-05	0.9434	0.000218	0.008117969	0.008807297	0.005386093	0.006392873	0.00100678	0.001491461	0.000484681	0.000845905	0.000361224	0.000788305	0.000427081	0.000644646	0.000217565	0.008807297
142	0.000383	2.02E-05	0.9307	0.000377	0.000462	2.55E-05	0.9315	0.000456	0.000225	1.98E-05	0.9434	0.000232	0.006877785	0.007530394	0.004755598	0.00562766	0.000872062	0.001352534	0.000480472	0.000857548	0.000377076	0.000832882	0.000455806	0.000687692	0.000231886	0.007530394
143	0.000399	2.18E-05	0.9307	0.000393	0.000486	2.72E-05	0.9315	0.00048	0.000238	2.37E-05	0.9434	0.000248	0.005774353	0.006381949	0.004148657	0.004904779	0.000756122	0.001225767	0.000469645	0.000862583	0.000392937	0.000872469	0.000479532	0.000727742	0.00024821	0.006381949
144	0.000414	2.3E-05	0.9307	0.000408	0.000501	2.78E-05	0.9315	0.000495	0.000252	2.71E-05	0.9434	0.000265	0.00482403	0.005382192	0.003591528	0.00424854	0.000657012	0.001110087	0.000453075	0.000861049	0.000407974	0.000902523	0.000494549	0.00075977	0.000265222	0.005382192
145	0.000427	2.38E-05	0.9307	0.000421	0.000506	2.77E-05	0.9315	0.000499	0.000267	2.97E-05	0.9434	0.000281	0.00403541	0.00454316	0.00309896	0.0036722	0.000573241	0.001005739	0.000432499	0.000853568	0.000421069	0.000920381	0.000499312	0.000780708	0.000281396	0.00454316
146	0.000437	2.42E-05	0.9307	0.000431	0.000501	2.69E-05	0.9315	0.000494	0.000279	3.13E-05	0.9434	0.000295	0.003387671	0.003846268	0.002672716	0.003175293	0.000502577	0.000911673	0.000409096	0.000840429	0.000431334	0.000925021	0.000493688	0.000788435	0.000294747	0.003846268
147	0.000445	2.42E-05	0.9307	0.000438	0.000487	2.56E-05	0.9315	0.000479	0.000288	3.2E-05	0.9434	0.000304	0.002861616	0.003273939	0.002309639	0.002752705	0.000443066	0.000827267	0.000384201	0.000822258	0.000438057	0.000917199	0.000479142	0.000782935	0.000303793	0.003273939
148	0.000448	2.4E-05	0.9307	0.000441	0.000465	2.42E-05	0.9315	0.000458	0.000292	3.19E-05	0.9434	0.000308	0.002435458	0.002805276	0.002003275	0.002396218	0.000392943	0.000751787	0.000358845	0.000799703	0.000440858	0.000898612	0.000457754	0.000765444	0.00030769	0.002805276
149	0.000447	2.35E-05	0.9307	0.00044	0.000439	2.26E-05	0.9315	0.000432	0.000292	3.11E-05	0.9434	0.000306	0.00208998	0.002421448	0.00174615	0.002096807	0.000350657	0.000684481	0.000333824	0.000773533	0.00043971	0.000871469	0.000431759	0.000738115	0.000306356	0.002421448
150	0.000443	2.28E-05	0.9307	0.000435	0.00041	2.11E-05	0.9315	0.000403	0.000286	3E-05	0.9434	0.0003	0.001808362	0.002105469	0.001529949	0.001844666	0.000314717	0.000624191	0.000309474	0.000744211	0.000434737	0.000837728	0.000402991	0.000703125	0.000300134	0.002105469
151	0.000434	2.21E-05	0.9307	0.000426	0.00038	1.96E-05	0.9315	0.000374	0.000277	2.86E-05	0.9434	0.00029	0.001577934	0.001845161	0.001350367	0.001634826	0.000284459	0.000571299	0.000286841	0.000712702	0.000425861	0.000799608	0.000373746	0.000664103	0.000290356	0.001845161
152	0.000423	2.12E-05	0.9307	0.000415	0.00035	1.81E-05	0.9315	0.000344	0.000265	2.7E-05	0.9434	0.000277	0.001389618	0.001630081	0.001198003	0.001456367	0.000258364	0.000523423	0.000265059	0.000680016	0.000414956	0.00075913	0.000344173	0.000621444	0.00027727	0.001630081
153	0.000429	2.16E-05	0.9307	0.000421	0.00056	2.93E-05	0.9315	0.000551	0.00026	2E-05	0.9434	0.000265	0.00937099	0.010194391	0.006257513	0.007278222	0.001020708	0.001595609	0.000574901	0.000995507	0.000420606	0.000971503	0.000550897	0.000816388	0.000265491	0.010194391
154	0.000448	2.38E-05	0.9307	0.000441	0.000594	3.22E-05	0.9315	0.000586	0.000277	2.5E-05	0.9434	0.000286	0.007494207	0.008247166	0.005276985	0.006140409	0.000863424	0.00142173	0.000558306	0.000999073	0.000440767	0.001026695	0.000585928	0.000872008	0.00028608	0.008247166
155	0.000467	2.54E-05	0.9307	0.00046	0.000617	3.35E-05	0.9315	0.000609	0.000296	2.98E-05	0.9434	0.000309	0.006001219	0.006679968	0.004424388	0.005159232	0.000734844	0.001269294	0.00053445	0.000994334	0.000459884	0.001068417	0.000608533	0.000917581	0.000309048	0.006679968
156	0.000484	2.66E-05	0.9307	0.000477	0.000624	3.35E-05	0.9315	0.000615	0.000316	3.37E-05	0.9434	0.000332	0.004835749	0.005441268	0.003705516	0.00433512	0.000629604	0.001134785	0.000505181	0.00098194	0.000476758	0.001091739	0.000614981	0.000946555	0.000331574	0.005441268
157	0.000497	2.72E-05	0.9307	0.00049	0.000615	3.25E-05	0.9315	0.000606	0.000333	3.64E-05	0.9434	0.000351	0.003934255	0.004470935	0.003112358	0.003656018	0.00054366	0.001016611	0.000472951	0.00096282	0.00048987	0.001095544	0.000605674	0.000956505	0.000350832	0.004470935
158	0.000506	2.73E-05	0.9307	0.000498	0.000593	3.09E-05	0.9315	0.000583	0.000346	3.77E-05	0.9434	0.000364	0.003236914	0.003710897	0.002627886	0.003101124	0.000473238	0.000912734	0.000439496	0.00093783	0.000498334	0.001081495	0.000583162	0.000947211	0.000364049	0.003710897
159	0.00051	2.7E-05	0.9307	0.000502	0.000561	2.88E-05	0.9315	0.000551	0.000352	3.78E-05	0.9434	0.00037	0.002694726	0.003112791	0.002233864	0.002649133	0.000415269	0.000821339	0.00040607	0.000907684	0.000501614	0.00105265	0.000551036	0.000920647	0.000369611	0.003112791
160	0.000508	2.65E-05	0.9307	0.0005	0.000522	2.67E-05	0.9315	0.000513	0.00035	3.69E-05	0.9434	0.000367	0.002270842	0.002639696	0.001913308	0.00228053	0.000367222	0.000740733	0.000373511	0.00087312	0.000499609	0.001012561	0.000512952	0.000880235	0.000367283	0.002639696
161	0.000502	2.57E-05	0.9307	0.000493	0.000481	2.45E-05	0.9315	0.000472	0.000342	3.54E-05	0.9434	0.000358	0.001936246	0.002262313	0.001652159	0.001979397	0.000327238	0.000669912	0.000342674	0.000835346	0.000492672	0.000964873	0.000472201	0.000830205	0.000358004	0.002262313
162	0.000491	2.47E-05	0.9307	0.000482	0.000439	2.25E-05	0.9315	0.000431	0.000328	3.35E-05	0.9434	0.000343	0.001670162	0.00195942	0.001439176	0.001733011	0.000293835	0.000607909	0.000314074	0.000795604	0.000481529	0.000912872	0.000431343	0.000774692	0.000343349	0.00195942
163	0.000476	2.37E-05	0.9307	0.000466	0.000399	2.06E-05	0.9315	0.000392	0.000311	3.14E-05	0.9434	0.000325	0.001455473	0.001713161	0.001264438	0.001530135	0.000265697	0.000553497	0.0002878	0.000754183	0.000466383	0.000858325	0.000391942	0.000716887	0.000324945	0.001713161
164	0.000458	2.26E-05	0.9307	0.000449	0.000361	1.89E-05	0.9315	0.000355	0.000291	2.92E-05	0.9434	0.000304	0.001281478	0.001511971	0.001119608	0.00136139	0.000241782	0.00050549	0.000263708	0.00071267	0.000448962	0.000803829	0.000354867	0.000659059	0.000304192	0.001511971
165	0.000424	1.36E-05	0.9307	0.000408	0.000537	1.51E-05	0.9315	0.000516	0.00025	1.05E-05	0.9434	0.000246	0.031381796	0.032667741	0.014953065	0.017206474	0.002253409	0.002938618	0.000685209	0.001093262	0.000408053	0.000923581	0.000515528	0.000761795	0.000246267	0.032667741
166	0.000442	1.65E-05	0.9307	0.000428	0.000583	2.04E-05	0.9315	0.000563	0.000269	1.23E-05	0.9434	0.000266	0.024289166	0.025541597	0.012782195	0.014604316	0.001822122	0.002530926	0.000708805	0.00113635	0.000427546	0.000990688	0.000563142	0.000828922	0.00026578	0.025541597
167	0.000485	2.29E-05	0.9307	0.000474	0.000696	3.36E-05	0.9315	0.000682	0.000306	1.97E-05	0.9434	0.000308	0.013693081	0.014768042	0.008668836	0.009871893	0.001203057	0.00190712	0.000704063	0.00117805	0.000473987	0.001155494	0.000681507	0.000989804	0.000308297	0.014768042
168	0.000509	2.59E-05	0.9307	0.0005	0.000749	3.86E-05	0.9315	0.000736	0.000328	2.57E-05	0.9434	0.000335	0.010184014	0.011144338	0.006972348	0.007961549	0.000989201	0.001668026	0.000678825	0.001178395	0.00049957	0.001235979	0.000736409	0.001071332	0.000334923	0.011144338
169	0.000533	2.83E-05	0.9307	0.000525	0.000784	4.13E-05	0.9315	0.000772	0.000353	3.23E-05	0.9434	0.000366	0.007665607	0.008510016	0.005592913	0.006414665	0.000821752	0.001464341	0.000642589	0.001167294	0.000524706	0.001296549	0.000771843	0.001137467	0.000365623	0.008510016
170	0.000555	2.99E-05	0.9307	0.000547	0.000794	4.18E-05	0.9315	0.000782	0.000381	3.84E-05	0.9434	0.000398	0.005880787	0.006615943	0.00450656	0.005196805	0.000690245	0.001290461	0.000600215	0.001146941	0.000546725	0.001328262	0.000781537	0.001179548	0.000398011	0.006615943

	6				7				8			
No.	DPM conc	PM2.5 dust	DPM→PM	g annual co	DPM conc	PM2.5 dust	DPM→PM	g annual co	DPM conc	PM2.5 dust	DPM→PM	g annual conc
171	0.000573	3.09E-05	0.9307	0.000564	0.000778	4.05E-05	0.9315	0.000765	0.000407	4.28E-05	0.9434	0.000426
172	0.000584	3.12E-05	0.9307	0.000575	0.000741	3.81E-05	0.9315	0.000729	0.000425	4.53E-05	0.9434	0.000447
173	0.000588	3.09E-05	0.9307	0.000579	0.000691	3.51E-05	0.9315	0.000678	0.000434	4.58E-05	0.9434	0.000455
174	0.000586	3.02E-05	0.9307	0.000575	0.000632	3.21E-05	0.9315	0.000621	0.000431	4.47E-05	0.9434	0.000451
175	0.000576	2.92E-05	0.9307	0.000565	0.000572	2.9E-05	0.9315	0.000562	0.000417	4.26E-05	0.9434	0.000437
176	0.000561	2.8E-05	0.9307	0.00055	0.000513	2.62E-05	0.9315	0.000504	0.000397	4E-05	0.9434	0.000414
177	0.000541	2.67E-05	0.9307	0.00053	0.000458	2.36E-05	0.9315	0.00045	0.000371	3.71E-05	0.9434	0.000387
178	0.000517	2.53E-05	0.9307	0.000506	0.000408	2.13E-05	0.9315	0.000401	0.000343	3.42E-05	0.9434	0.000358
179	0.000492	2.4E-05	0.9307	0.000481	0.000363	1.93E-05	0.9315	0.000357	0.000314	3.13E-05	0.9434	0.000327
180	0.000408	8.4E-06	0.9307	0.000388	0.000448	8.22E-06	0.9315	0.000425	0.000198	7.07E-06	0.9434	0.000193
181	0.000431	9.48E-06	0.9307	0.000411	0.000513	9.78E-06	0.9315	0.000488	0.000222	8.02E-06	0.9434	0.000218
182	0.000456	1.1E-05	0.9307	0.000436	0.000581	1.18E-05	0.9315	0.000553	0.000249	9.22E-06	0.9434	0.000244
183	0.000478	1.33E-05	0.9307	0.000458	0.000651	1.48E-05	0.9315	0.000621	0.000278	1.07E-05	0.9434	0.000273
184	0.000526	2.01E-05	0.9307	0.00051	0.0008	2.81E-05	0.9315	0.000773	0.000336	1.5E-05	0.9434	0.000332
185	0.000586	2.81E-05	0.9307	0.000574	0.000978	4.68E-05	0.9315	0.000957	0.000395	2.56E-05	0.9434	0.000399
186	0.000618	3.15E-05	0.9307	0.000607	0.001037	5.23E-05	0.9315	0.001018	0.000431	3.43E-05	0.9434	0.000441
187	0.000648	3.4E-05	0.9307	0.000637	0.001052	5.38E-05	0.9315	0.001033	0.000471	4.33E-05	0.9434	0.000488
188	0.000671	3.55E-05	0.9307	0.00066	0.001022	5.21E-05	0.9315	0.001004	0.00051	5.08E-05	0.9434	0.000532
189	0.000686	3.6E-05	0.9307	0.000674	0.000958	4.85E-05	0.9315	0.000941	0.000539	5.54E-05	0.9434	0.000564
190	0.00069	3.58E-05	0.9307	0.000678	0.000875	4.4E-05	0.9315	0.000859	0.000551	5.68E-05	0.9434	0.000577
191	0.000685	3.49E-05	0.9307	0.000673	0.000783	3.94E-05	0.9315	0.000769	0.000546	5.56E-05	0.9434	0.00057
192	0.000671	3.36E-05	0.9307	0.000658	0.000692	3.5E-05	0.9315	0.00068	0.000524	5.27E-05	0.9434	0.000547
193	0.000649	3.21E-05	0.9307	0.000636	0.000607	3.09E-05	0.9315	0.000597	0.000491	4.89E-05	0.9434	0.000512
194	0.000621	3.04E-05	0.9307	0.000609	0.000531	2.74E-05	0.9315	0.000522	0.000452	4.47E-05	0.9434	0.000471
195	0.000589	2.87E-05	0.9307	0.000577	0.000463	2.42E-05	0.9315	0.000456	0.00041	4.06E-05	0.9434	0.000427
196	0.000555	2.69E-05	0.9307	0.000544	0.000405	2.15E-05	0.9315	0.000399	0.000368	3.67E-05	0.9434	0.000384
197	0.000434	8.55E-06	0.9307	0.000413	0.000463	8.34E-06	0.9315	0.000439	0.000198	7.35E-06	0.9434	0.000194
198	0.000479	9.62E-06	0.9307	0.000456	0.000551	9.81E-06	0.9315	0.000523	0.000226	8.12E-06	0.9434	0.000221
199	0.000494	1.1E-05	0.9307	0.00047	0.000654	1.19E-05	0.9315	0.000621	0.00026	9.25E-06	0.9434	0.000255
200	0.000537	1.31E-05	0.9307	0.000513	0.000775	1.48E-05	0.9315	0.000737	0.000299	1.07E-05	0.9434	0.000293
201	0.000573	1.61E-05	0.9307	0.00055	0.000901	1.95E-05	0.9315	0.000859	0.000343	1.27E-05	0.9434	0.000336
202	0.000607	2.02E-05	0.9307	0.000585	0.001033	2.78E-05	0.9315	0.00099	0.00039	1.52E-05	0.9434	0.000383
203	0.000675	3.03E-05	0.9307	0.000658	0.001333	5.61E-05	0.9315	0.001298	0.000485	2.5E-05	0.9434	0.000483
204	0.00073	3.51E-05	0.9307	0.000714	0.001444	6.81E-05	0.9315	0.001413	0.000538	3.48E-05	0.9434	0.000542
205	0.00077	3.89E-05	0.9307	0.000756	0.001469	7.24E-05	0.9315	0.001441	0.000599	4.77E-05	0.9434	0.000613
206	0.000802	4.13E-05	0.9307	0.000787	0.001411	7.04E-05	0.9315	0.001384	0.000661	6.04E-05	0.9434	0.000684
207	0.000821	4.23E-05	0.9307	0.000807	0.001293	6.45E-05	0.9315	0.001269	0.000709	6.92E-05	0.9434	0.000738
208	0.000826	4.22E-05	0.9307	0.000811	0.001147	5.72E-05	0.9315	0.001125	0.00073	7.28E-05	0.9434	0.000761
209	0.000817	4.11E-05	0.9307	0.000802	0.000996	4.97E-05	0.9315	0.000978	0.000718	7.16E-05	0.9434	0.000749
210	0.000795	3.95E-05	0.9307	0.00078	0.000854	4.29E-05	0.9315	0.000839	0.000681	6.74E-05	0.9434	0.000709
211	0.000763	3.74E-05	0.9307	0.000748	0.000729	3.7E-05	0.9315	0.000716	0.000626	6.16E-05	0.9434	0.000652
212	0.000724	3.51E-05	0.9307	0.000709	0.000621	3.19E-05	0.9315	0.00061	0.000563	5.53E-05	0.9434	0.000587
213	0.00068	3.28E-05	0.9307	0.000665	0.00053	2.77E-05	0.9315	0.000521	0.0005	4.91E-05	0.9434	0.00052
214	0.000633	3.06E-05	0.9307	0.00062	0.000454	2.41E-05	0.9315	0.000447	0.000439	4.35E-05	0.9434	0.000458
215	0.000588	2.84E-05	0.9307	0.000575	0.000391	2.12E-05	0.9315	0.000386	0.000384	3.85E-05	0.9434	0.000401
216	0.000433	7.68E-06	0.9307	0.000411	0.000376	8.43E-06	0.9315	0.000359	0.000168	7.72E-06	0.9434	0.000166
217	0.000464	8.63E-06	0.9307	0.00044	0.000454	9.3E-06	0.9315	0.000432	0.000193	8.24E-06	0.9434	0.00019
218	0.00051	9.76E-06	0.9307	0.000485	0.000556	1.05E-05	0.9315	0.000528	0.000223	8.88E-06	0.9434	0.000219
219	0.000556	1.12E-05	0.9307	0.000529	0.000691	1.22E-05	0.9315	0.000656	0.000261	9.76E-06	0.9434	0.000256
220	0.000588	1.3E-05	0.9307	0.00056	0.000855	1.48E-05	0.9315	0.000811	0.000307	1.1E-05	0.9434	0.000301
221	0.000639	1.58E-05	0.9307	0.000611	0.001078	1.93E-05	0.9315	0.001024	0.000365	1.28E-05	0.9434	0.000357
222	0.000688	2E-05	0.9307	0.000661	0.001333	2.69E-05	0.9315	0.001269	0.000435	1.54E-05	0.9434	0.000426
223	0.000761	2.57E-05	0.9307	0.000734	0.00164	4.24E-05	0.9315	0.00157	0.000514	1.9E-05	0.9434	0.000504
224	0.000982	4.87E-05	0.9307	0.000962	0.002089	0.000102	0.9315	0.002048	0.000895	7.1E-05	0.9434	0.000915
225	0.001008	5.07E-05	0.9307	0.000989	0.001849	9.09E-05	0.9315	0.001813	0.000982	8.85E-05	0.9434	0.001015
226	0.001013	5.08E-05	0.9307	0.000994	0.001573	7.76E-05	0.9315	0.001542	0.001019	9.72E-05	0.9434	0.001058
227	0.000997	4.95E-05	0.9307	0.000977	0.001308	6.49E-05	0.9315	0.001284	0.000995	9.66E-05	0.9434	0.001035
228	0.000962	4.72E-05	0.9307	0.000943	0.001078	5.39E-05	0.9315	0.001058	0.000925	9E-05	0.9434	0.000962
229	0.000914	4.43E-05	0.9307	0.000895	0.000887	4.48E-05	0.9315	0.000871	0.000828	8.04E-05	0.9434	0.000861
230	0.000856	4.12E-05	0.9307	0.000838	0.000732	3.75E-05	0.9315	0.000719	0.000723	7.03E-05	0.9434	0.000752
231	0.000794	3.81E-05	0.9307	0.000777	0.000608	3.17E-05	0.9315	0.000598	0.000622	6.08E-05	0.9434	0.000648
232	0.000731	3.51E-05	0.9307	0.000715	0.000509	2.7E-05	0.9315	0.000501	0.000531	5.24E-05	0.9434	0.000553
233	0.00067	3.23E-05	0.9307	0.000656	0.00043	2.32E-05	0.9315	0.000424	0.000453	4.52E-05	0.9434	0.000473
234	0.000437	7.77E-06	0.9307	0.000414	0.00035	9.88E-06	0.9315	0.000336	0.000159	8.88E-06	0.9434	0.000159
235	0.000482	8.66E-06	0.9307	0.000457	0.000424	1.1E-05	0.9315	0.000406	0.000183	9.56E-06	0.9434	0.000182
236	0.000541	9.83E-06	0.9307	0.000513	0.000526	1.24E-05	0.9315	0.000502	0.000212	1.03E-05	0.9434	0.000211
237	0.000616	1.13E-05	0.9307	0.000584	0.00067	1.42E-05	0.9315	0.000638	0.00025	1.12E-05	0.9434	0.000247
238	0.000671	1.31E-05	0.9307	0.000638	0.000877	1.66E-05	0.9315	0.000833	0.000301	1.23E-05	0.9434	0.000296
239	0.000733	1.57E-05	0.9307	0.000698	0.001169	2.03E-05	0.9315	0.001109	0.000366	1.39E-05	0.9434	0.000359
240	0.000815	1.96E-05	0.9307	0.000778	0.001629	2.69E-05	0.9315	0.001544	0.000453	1.6E-05	0.9434	0.000444
241	0.000897	2.57E-05	0.9307	0.000861	0.002269	4.06E-05	0.9315	0.002154	0.000567	1.94E-05	0.9434	0.000554
242	0.000994	3.41E-05	0.9307	0.00096	0.003077	7.52E-05	0.9315	0.002941	0.00071	2.45E-05	0.9434	0.000695
243	0.001251	6.1E-05	0.9307	0.001226	0.00179	8.8E-05	0.9315	0.001755	0.001483	0.000139	0.9434	0.001538
244	0.001194	5.77E-05	0.9307	0.001169	0.001395	6.91E-05	0.9315	0.001368	0.001335	0.000127	0.9434	0.001387
245	0.001118	5.37E-05	0.9307	0.001095	0.001095	5.49E-05	0.9315	0.001074	0.001149	0.00011	0.9434	0.001194
246	0.001032	4.93E-05	0.9307	0.00101	0.000869	4.42E-05	0.9315	0.000853	0.000962	9.25E-05	0.9434	0.001
247	0.000945	4.49E-05	0.9307	0.000925	0.000699	3.62E-05	0.9315	0.000687	0.000796	7.72E-05	0.9434	0.000829
248	0.000853	4.08E-05	0.9307	0.000835	0.000569	3.01E-05	0.9315	0.00056	0.000653	6.4E-05	0.9434	0.00068
249	0.000769	3.7E-05	0.9307	0.000753	0.000471	2.54E-05	0.9315	0.000464	0.000538	5.35E-05	0.9434	0.000561
250	0.000494	9.05E-06	0.9307	0.000469	0.000384	1.27E-05	0.9315	0.00037	0.00017	1.07E-05	0.9434	0.000171
251	0.000557	1.01E-05	0.9307	0.000528	0.000474	1.47E-05	0.9315	0.000456	0.000197	1.18E-05	0.9434	0.000198
252	0.000639	1.14E-05	0.9307	0.000606	0.000605	1.71E-05	0.9315	0.000581	0.000233	1.31E-05	0.9434	0.000233
253	0.000732	1.33E-05	0.9307	0.000694	0.000803	2.03E-05	0.9315	0.000768	0.000281	1.45E-05	0.9434	0.000279
254	0.000827	1.58E-05	0.9307	0.000785	0.001106	2.48E-05	0.9315	0.001055	0.000345	1.63E-05	0.9434	0.000342
255	0.000929	1.92E-05	0.9307	0.000884	0.001592	3.1E-05	0.9315	0.001514	0.000434	1.86E-05	0.9434	0.000428

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
No.	1+2	1+2+3	2+3	2+3+4	4	4+5	5	5+6	6	6+7	7	7+8	8	max PM2.5
171	0.004598779	0.005235053	0.003660277	0.004246462	0.000586185	0.001140539	0.000554354	0.001118372	0.000564018	0.00132926	0.000765243	0.001191707	0.000426464	0.005235053
172	0.00366713	0.004216924	0.003004999	0.003508478	0.000503479	0.001011803	0.000508324	0.00108313	0.000574806	0.001303548	0.000728741	0.001175358	0.000446617	0.004216924
173	0.002978094	0.003453308	0.002494784	0.002931753	0.000436969	0.000900255	0.000463286	0.001041888	0.000578602	0.001257013	0.000678412	0.001133255	0.000454843	0.003453308
174	0.002460769	0.002872573	0.00209569	0.002478778	0.000383088	0.000803781	0.000420694	0.000995945	0.000575251	0.001196259	0.000621008	0.001071964	0.000450956	0.002872573
175	0.002065838	0.00242407	0.001780789	0.002119762	0.000338973	0.000720149	0.000381176	0.00094642	0.000565245	0.001126872	0.000561627	0.000998133	0.000436506	0.00242407
176	0.001760659	0.002074027	0.001531026	0.001833699	0.000302673	0.000647993	0.00034532	0.000895102	0.000549782	0.001053801	0.000504019	0.000918397	0.000414378	0.002074027
177	0.001520775	0.001796503	0.001330802	0.001603295	0.000272494	0.000585491	0.000312998	0.000842949	0.000529951	0.000980104	0.000450153	0.000837422	0.000387269	0.001796503
178	0.001324869	0.001569234	0.001168008	0.001414723	0.000246714	0.000531008	0.000284293	0.000790613	0.000506319	0.000907725	0.000401406	0.000759373	0.000357967	0.001569234
179	0.00117574	0.001393014	0.001035146	0.001260683	0.000225537	0.000483608	0.000258071	0.000739519	0.000481449	0.000838419	0.000356971	0.000684191	0.00032722	0.001393014
180	0.000259363	0.001763873	0.00150451	0.008575934	0.007071424	0.007730566	0.000659142	0.001047382	0.00038824	0.0008133	0.00042506	0.000618527	0.000193466	0.008575934
181	0.058966876	0.060698689	0.05799313	0.063457596	0.005464467	0.006195064	0.000730598	0.00114156	0.000410962	0.000898502	0.00048754	0.000705075	0.000217535	0.063457596
182	0.038767078	0.040632564	0.037542242	0.041661974	0.004119731	0.004922232	0.000802501	0.001238107	0.000435606	0.000988874	0.000553268	0.000797319	0.000244051	0.041661974
183	0.029674017	0.031559473	0.028735633	0.031850235	0.003114602	0.003976317	0.000861715	0.001319581	0.000457866	0.001078554	0.000620689	0.00089373	0.000273041	0.031850235
184	0.036817255	0.038471549	0.017360414	0.01918214	0.001821726	0.00272737	0.000905644	0.001415427	0.000509784	0.001282575	0.000772791	0.001105102	0.000332311	0.038471549
185	0.014818476	0.016087374	0.009733927	0.010866767	0.00113284	0.001979297	0.000846456	0.00142028	0.000573824	0.001531151	0.000957327	0.001355896	0.00039857	0.016087374
186	0.010141297	0.011221466	0.00731864	0.00823481	0.00091617	0.001707135	0.000790965	0.001397832	0.000606867	0.001624919	0.001018052	0.001458817	0.000440764	0.011221466
187	0.007263148	0.008173993	0.005589571	0.006342909	0.000753338	0.001480055	0.000726717	0.001363515	0.000636798	0.001670052	0.001033253	0.001520866	0.000487612	0.008173993
188	0.005404774	0.006170285	0.004350224	0.004979279	0.000629056	0.001289431	0.000660376	0.001320249	0.000659873	0.001663977	0.001004103	0.001536094	0.000531991	0.006170285
189	0.004153354	0.004797031	0.003450359	0.003983342	0.000532983	0.001128122	0.000595139	0.001269301	0.000674162	0.001615342	0.00094118	0.001505005	0.000563824	0.004797031
190	0.003281171	0.003824245	0.00278719	0.00324482	0.00045763	0.000991113	0.000533483	0.001211911	0.000678428	0.001537038	0.000858611	0.001435439	0.000576828	0.003824245
191	0.002656396	0.003117323	0.00229177	0.002689769	0.000397998	0.000875098	0.000477099	0.001149847	0.000672747	0.001441535	0.000768788	0.001339118	0.00057033	0.003117323
192	0.002195918	0.002589726	0.001914629	0.002264593	0.000349964	0.000776045	0.000426081	0.001084153	0.000658072	0.001337748	0.000679676	0.001226665	0.000546989	0.002589726
193	0.001850016	0.002189213	0.001624227	0.00193521	0.000310983	0.000691867	0.000380884	0.001017039	0.000636155	0.00123276	0.000596604	0.001108852	0.000512248	0.002189213
194	0.00158385	0.001878316	0.001396464	0.001675321	0.000278857	0.000619776	0.000340918	0.000949473	0.000608555	0.001130241	0.000521686	0.000992599	0.000470913	0.001878316
195	0.001375944	0.001633751	0.001215949	0.001468104	0.000252154	0.000558125	0.000305971	0.000883204	0.000577233	0.001033123	0.00045589	0.000883193	0.000427303	0.001633751
196	0.001210453	0.001437994	0.001070692	0.00130039	0.000229697	0.000505129	0.000275432	0.000819126	0.000543694	0.000942594	0.000398901	0.000783139	0.000384239	0.001437994
197	0.000142138	0.002296764	0.002154626	0.025828974	0.023674348	0.024477998	0.00080365	0.001216351	0.0004127	0.000852077	0.000439377	0.000633456	0.000194079	0.025828974
198	0.000275957	0.003047956	0.002771999	0.013183224	0.010411225	0.011327891	0.000916666	0.00137242	0.000455755	0.000978916	0.000523161	0.000744408	0.000221247	0.013183224
199	0.00047627	0.003587896	0.003111626	0.010060802	0.006949176	0.007970407	0.001021231	0.001491653	0.000470422	0.001091443	0.000621021	0.000875702	0.000254681	0.010060802
200	0.000785559	0.003868507	0.003082948	0.007620327	0.004537379	0.005661776	0.001124397	0.001637028	0.000512631	0.001249796	0.000737165	0.001030436	0.000293271	0.007620327
201	0.067165664	0.070017021	0.067301625	0.070454317	0.003152692	0.00433525	0.001182558	0.001732333	0.000549775	0.001408369	0.000858594	0.00119502	0.000336426	0.070454317
202	0.039934935	0.042441977	0.039359668	0.041630931	0.002271263	0.003464327	0.001193064	0.001778208	0.000585144	0.001575434	0.00099029	0.001373405	0.000383115	0.042441977
203	0.026071509	0.027840902	0.0154312	0.016721475	0.001290275	0.00238703	0.001096755	0.001754957	0.000658202	0.001955809	0.001297607	0.001780466	0.00048286	0.027840902
204	0.014072261	0.015502324	0.010060988	0.011076592	0.001015604	0.002015114	0.000999511	0.001713998	0.000714487	0.002127524	0.001413037	0.001955385	0.000542349	0.015502324
205	0.009114322	0.010270838	0.007101888	0.007918634	0.000816746	0.00171692	0.000900175	0.001655677	0.000755503	0.002196581	0.001441078	0.002053614	0.000612535	0.010270838
206	0.006369228	0.007304968	0.005222043	0.005892706	0.000670662	0.001471404	0.000800742	0.001588119	0.000787377	0.002171817	0.00138444	0.002068544	0.000684104	0.007304968
207	0.00469298	0.005453892	0.003972579	0.004533605	0.000561026	0.001267605	0.000706579	0.001513193	0.000806614	0.00207538	0.001268766	0.002007009	0.000738243	0.005453892
208	0.003601875	0.00422576	0.003111664	0.003588898	0.000477234	0.001098205	0.000620971	0.001432253	0.000811282	0.001936672	0.00112539	0.001886469	0.000761079	0.00422576
209	0.002856307	0.003372988	0.002499408	0.002911413	0.000412004	0.000956951	0.000544947	0.00134664	0.000801693	0.001779204	0.00097751	0.001726829	0.000749318	0.003372988
210	0.002326811	0.002759357	0.002051869	0.002412208	0.000360339	0.000838792	0.000478453	0.001258014	0.000779561	0.001618386	0.000838825	0.00154828	0.000709455	0.002759357
211	0.001939059	0.002305302	0.001717247	0.002036094	0.000318847	0.000739874	0.000421027	0.00116854	0.000747513	0.001463283	0.000715769	0.001367758	0.000651989	0.002305302
212	0.001647731	0.001961409	0.001462036	0.001747178	0.000285143	0.000656964	0.000371821	0.001080472	0.000708651	0.001318803	0.000610152	0.001196848	0.000586696	0.001961409
213	0.001423361	0.001694935	0.001263393	0.001520673	0.00025728	0.000586963	0.000329684	0.000995121	0.000665438	0.001186538	0.0005211	0.001041528	0.000520428	0.001694935
214	0.001246897	0.001484437	0.001106	0.001339986	0.000233986	0.000527649	0.000293663	0.000913842	0.000620179	0.00106703	0.000446852	0.000904498	0.000457646	0.001484437
215	0.001105773	0.001315777	0.000980402	0.001194904	0.000214503	0.000477572	0.000263069	0.000838411	0.000575341	0.000960856	0.000385514	0.000786372	0.000400858	0.001315777
216	6.40461E-05	6.40461E-05	0	0.00431858	0.00431858	0.005169952	0.000851372	0.001261973	0.0004106	0.000769241	0.00035864	0.000524588	0.000165948	0.005169952
217	9.58182E-05	9.58182E-05	0	0.004190499	0.004190499	0.005188868	0.000998369	0.0014386	0.000440231	0.00087208	0.00043185	0.000621714	0.000189864	0.005188868
218	0.000145768	0.005365228	0.005219459	0.039299718	0.034080259	0.035255226	0.001174967	0.001659564	0.000484598	0.001013007	0.00052841	0.000747466	0.000219056	0.039299718
219	0.000213216	0.006889695	0.006676479	0.020100791	0.013424312	0.014795049	0.001370737	0.001899715	0.000528978	0.00118528	0.000656302	0.000911951	0.00025565	0.020100791
220	0.000284441	0.006726436	0.006441995	0.013807553	0.007365559	0.008898774	0.001533215	0.002093232	0.000560017	0.001371117	0.0008111	0.001111665	0.000300564	0.013807553
221	0.000361133	0.005713642	0.005352509	0.009708581	0.004356072	0.006005597	0.001649525	0.002260193	0.000610668	0.001634481	0.001023814	0.00138131	0.000357497	0.009708581
222	0.000457413	0.004777421	0.004320008	0.007164603	0.002844595	0.004513651	0.001669056	0.002329566	0.00066051	0.001929237	0.001268727	0.00169424	0.000425513	0.007164603
223	0.000599732	0.003974831	0.0033751	0.005366435	0.001991335	0.003581376	0.00159004	0.002324097	0.000734057	0.002303949	0.001569892	0.002073887	0.000503995	0.005366435
224	0.007498007	0.008663038	0.006322729	0.007033039	0.00071031	0.001701873	0.000991563	0.001954046	0.000962483	0.003010121	0.002047638	0.002962639	0.000915001	0.008663038
225	0.005283752	0.006192075	0.004576901	0.00516461	0.000587709	0.001439879	0.00085217	0.001841149	0.00098898	0.002802127	0.001813147	0.002828065	0.001014917	0.006192075
226	0.00393982	0.004659086	0.003464692	0.003960613	0.000495921	0.001226459	0.000730539	0.001724333	0.000993795	0.002536248	0.001542454	0.002600693	0.001058239	0.004659086
227	0.003063452	0.00364237	0.002715869	0.003141365	0.000425496	0.001052057	0.000626561	0.00160388	0.000977319	0.002260912	0.001283593	0.002319042	0.001035449	0.00364237
228	0.00246335	0.002937259	0.002192006	0.00256269	0.000370685	0.000910003	0.000539319	0.001482215	0.000942896	0.002001349	0.001058453	0.00202091	0.000962457	0.002937259
229	0.002033509	0.00242757	0.001811416	0.002138349	0.000326933	0.000793121	0.000466188	0.00136101	0.000894822	0.001765898	0.000871076	0.001732378	0.000861303	0.00242757
230	0.001716361	0.002049089	0.001527972	0.001819647	0.000291675	0.000697042	0.000405367	0.00124364	0.000838272	0.001557616	0.000719344	0.001471653	0.000752309	0.002049089
231	0.001475186	0.001760039	0.001311239	0.001573942	0.000262702	0.000617365	0.000354663	0.001131797	0.000777134	0.001374869	0.000597735	0.001245298	0.000647563	0.001760039
232	0.001287958	0.001535023	0.001142413	0.001381087	0.000238674	0.00055109	0.000312416	0.001027495	0.000715079	0.0012159	0.000500821	0.001054239	0.000553418	0.001535023
233	0.001133988	0.001351098	0.00100767	0.001225762	0.000218092	0.000495457	0.000277365	0.000932998	0.000655633	0.001079543	0.000423909	0.000896567	0.000472658	0.001351098
234	5.18889E-05	5.18889E-05	0	0.004322384	0.004322384	0.005270017	0.000947633	0.001361684	0.000414051	0.000750057	0.000336006	0.000495071	0.000159065	0.005270017
235	7.04335E-05	7.04335E-05	0	0	0	0.001211311	0.001211311	0.001668341	0.00045703	0.000862789	0.000405759	0.000587633	0.000181874	0.001668341
236	9.57543E-05	9.57543E-05	0	0	0	0.001540969	0.001540969	0.002054166	0.000513197	0.001015108	0.000501911	0.000712533	0.000210623	0.002054166
237	0.000127404	0.000127404	0	0.045274895	0.045274895	0.047226016	0.001951121	0.00253537	0.000584249	0.001222737	0.000638488	0.000885965	0.000247477	0.047226016
238	0.000160666	0.000160666	0	0.012501542	0.012501542	0.014797398	0.002295856	0.002933635	0.000637779	0.001470899	0.000833119	0.001128986	0.000295867	0.014797398
239	0.000189102	0.018006452	0.01781735	0.023792928	0.005975578	0.008470806	0.002495229	0.003192941	0.000697712	0.001807176	0.001109464	0.001468481	0.000359017	0.023792928
240	0.000209325	0.009884899	0.009675573	0.013189063	0.00351349	0.006023069	0.002509578	0.003287582	0.000778003	0.002322133	0.00154413	0.00198778	0.00044365	0.013189063
241	0.000210951	0.006527477	0.006316526	0.00862168	0.002305154	0.004658202	0.002353048	0.003214024	0.000860976	0.003015169	0.002154193	0.002708558	0.000554365	0.00862168
242	0.000169716	0.004482826	0.004313109	0.005945036	0.001631926	0.003719345	0.002087418	0.003047111	0.000959693	0.003900857	0.002941164	0.003635949	0.000694785	0.005945036
243	0.003289757	0.003937025	0.002944447	0.003384487	0.00044004	0.001165199	0.000725159	0.001950894	0.001225735	0.002981028	0.001755293	0.003293726	0.001538433	0.003937025
244	0.002612647	0.003129195	0.002336026	0.002717526	0.000381499	0.000990482	0.000608983	0.001778148	0.001169165	0.00253729	0.001368124	0.002755028	0.001386904	0.003129195
245	0.002140143	0.002561828	0.00190907	0.002244772	0.000335702	0.000851705	0.000516003	0.001610644	0.001094641	0.002169025	0.001074384	0.002268055	0.001193671	0.002561828
246	0.001796567	0.002147781	0.001597937	0.001897027	0.00029909	0.000740321	0.000441231	0.001451322	0.00101009	0.001863397	0.000853306	0.001853049	0.000999742	0.002147781
247	0.001528106	0.001826029	0.001361503	0.001629888	0.000268385	0.000649509	0.000381125	0.001305913	0.000924788	0.001611984	0.000687196	0.001515807	0.000828611	0.001826029
248	0.00133808	0.001594284	0.001182934	0.001427196	0.000244262	0.000575693	0.000331431	0.001166301	0.00083487	0.001395242	0.000560372	0.001240643	0.000680271	0.001594284
249	0.001180465	0.001404178	0.001041281	0.001264821	0.00022354	0.000514763	0.000291223	0.001044173	0.000752951	0.001216973	0.000464023	0.001025453	0.00056143	0.001404178
250	5.43719E-05	5.43719E-05	0	0.004554388	0.004554388	0.005869703	0.001315315	0.001784494	0.000469179	0.000839364	0.000370186	0.000541429	0.000171243	0.005869703
251	6.91012E-05	6.91012E-05	0	0	0	0.001906897	0.001906897	0.00243508	0.000528184	0.000984522	0.000456339	0.000654497	0.000198158	0.00243508
252	8.6354E-05	8.6354E-05	0	0	0	0.002868908	0.002868908	0.003475148	0.000606239	0.001186914	0.000580675	0.000813689	0.000233014	0.003475148
253	0.000104344	0.000104344	0	0.020384489	0.020384489	0.024342556	0.003958068	0.004652387	0.000694319	0.001462176	0.000767857	0.001047206	0.000279349	0.024342556
254	0.000119426	0.000119426	0	0.007818585	0.007818585	0.012224206	0.004405622	0.005190739	0.000785118	0.00184045	0.001055332	0.001397348	0.000342016	0.012224206
255	0.000127876	0.000127876	0	0.00399031	0.00399031	0.008325658	0.004335349	0.005219065	0.000883716	0.002397359	0.001513643	0.001941909	0.000428266	0.008325658

	6				7				8				2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
No.	DPM conc	PM2.5 dust	DPM→PM	annual co	DPM conc	PM2.5 dust	DPM→PM	annual co	DPM conc	PM2.5 dust	DPM→PM	annual conc	1+2	1+2+3	2+3	2+3+4	4	4+5	5	5+6	6	6+7	7	7+8	8	max PM2.5
256	0.001086	2.54E-05	0.9307	0.001037	0.002648	4.41E-05	0.9315	0.002511	0.000568	2.17E-05	0.9434	0.000558	0.000126567	0.022141513	0.022014946	0.024631804	0.002616858	0.006479423	0.003862565	0.004899072	0.001036507	0.003547352	0.002510845	0.003068346	0.000557501	0.024631804
257	0.001234	3.49E-05	0.9307	0.001184	0.004721	7.39E-05	0.9315	0.004471	0.000759	2.63E-05	0.9434	0.000742	0.000111475	0.009537209	0.009425734	0.0112217	0.001795966	0.005038044	0.003242078	0.004425943	0.001183865	0.005654921	0.004471056	0.005213474	0.000742418	0.0112217
258	0.001408	6.68E-05	0.9307	0.001377	0.001368	6.77E-05	0.9315	0.001342	0.001708	0.000162	0.9434	0.001774	0.002268191	0.002717457	0.002021076	0.002368252	0.000347176	0.000918141	0.000570965	0.001948235	0.001377269	0.002719523	0.001342253	0.003116123	0.00177387	0.003116123
259	0.001275	6.03E-05	0.9307	0.001247	0.001035	5.21E-05	0.9315	0.001016	0.001342	0.000128	0.9434	0.001394	0.00189569	0.002265345	0.001680733	0.00198956	0.000308826	0.000788366	0.00047954	0.001726603	0.001247063	0.002263164	0.001016101	0.002410446	0.001394345	0.002410446
260	0.001139	5.39E-05	0.9307	0.001114	0.000801	4.12E-05	0.9315	0.000787	0.001045	0.0001	0.9434	0.001086	0.001615609	0.001925816	0.001425647	0.001702865	0.000277218	0.000684537	0.000407319	0.001521142	0.001113823	0.001900954	0.000787131	0.001873061	0.00108593	0.001925816
261	0.001014	4.8E-05	0.9307	0.000992	0.000634	3.33E-05	0.9315	0.000624	0.000819	7.95E-05	0.9434	0.000852	0.001395175	0.001660577	0.001230766	0.001482006	0.00025124	0.000601697	0.000350457	0.001342023	0.000991566	0.001615725	0.000624159	0.001476399	0.00085224	0.001660577
262	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
264	0.000785	1.39E-05	0.9307	0.000745	0.00069	2.46E-05	0.9315	0.000667	0.000254	1.67E-05	0.9434	0.000256	7.37285E-05	7.37285E-05	0	0.00086277	0.00086277	0.002881387	0.002018617	0.002763286	0.000744669	0.001411714	0.000667046	0.000923497	0.000256452	0.002881387
265	0.000919	1.62E-05	0.9307	0.000872	0.000953	3.1E-05	0.9315	0.000919	0.000312	1.92E-05	0.9434	0.000314	8.28062E-05	8.28062E-05	0	0.008940244	0.008940244	0.021234543	0.012294299	0.013165927	0.000871628	0.001790604	0.000918976	0.001232933	0.000313957	0.021234543
266	0.001099	1.96E-05	0.9307	0.001042	0.001417	4.08E-05	0.9315	0.00136	0.000395	2.23E-05	0.9434	0.000395	8.80949E-05	8.80949E-05	0	0.004746733	0.004746733	0.01466985	0.009923117	0.010965416	0.001042299	0.002402674	0.001360375	0.001755601	0.000395226	0.01466985
267	0.001298	2.5E-05	0.9307	0.001233	0.002322	5.8E-05	0.9315	0.002221	0.000519	2.64E-05	0.9434	0.000516	8.76697E-05	8.76697E-05	0	0.002842238	0.002842238	0.01075645	0.007914211	0.009146884	0.001232673	0.003453521	0.002220848	0.002736768	0.00051592	0.01075645
268	0.001556	3.46E-05	0.9307	0.001483	0.004526	9.69E-05	0.9315	0.004313	0.000713	3.18E-05	0.9434	0.000705	8.08838E-05	8.08838E-05	0	0.001944874	0.001944874	0.007788028	0.005843154	0.007326031	0.001482877	0.005795855	0.004312979	0.005017917	0.000704939	0.007788028
269	0.001853	5.15E-05	0.9307	0.001776	0.012155	0.000258	0.9315	0.01158	0.001034	3.99E-05	0.9434	0.001016	6.82145E-05	6.82145E-05	0	0.00141251	0.00141251	0.005607652	0.004195142	0.005971526	0.001776384	0.013356697	0.011580313	0.012595813	0.0010155	0.013356697
270	0	7.2E-05	0.9307	7.2E-05	0	0.002476	0.9315	0.002476	0.001613	5.45E-05	0.9434	0.001577	5.29061E-05	5.29061E-05	0	5.78307E-05	5.78307E-05	0.000349237	0.000291406	0.000363378	7.19716E-05	0.002547562	0.00247559	0.004052169	0.001576578	0.004052169
271	0.00184	8.6E-05	0.9307	0.001798	0.001726	8.36E-05	0.9315	0.001691	0.002843	0.000267	0.9434	0.002949	0.00239635	0.002873508	0.002147954	0.00251003	0.000362076	0.00099209	0.000630014	0.002428421	0.001798407	0.003489533	0.001691126	0.004640071	0.002948945	0.004640071
272	0.001405	6.6E-05	0.9307	0.001374	0.000912	4.65E-05	0.9315	0.000896	0.001422	0.000134	0.9434	0.001476	0.001703894	0.002027083	0.001499523	0.001786887	0.000287364	0.00072101	0.000433646	0.001807648	0.001374002	0.002269699	0.000895697	0.002372067	0.00147637	0.002372067
273	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
274	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
275	0.000945	1.77E-05	0.9307	0.000897	0.000774	3.62E-05	0.9315	0.000757	0.000276	2.16E-05	0.9434	0.000282	6.10413E-05	6.10413E-05	0	0.000297799	0.000297799	0.000297799	0	0.000897456	0.000897456	0.001654777	0.000757321	0.001039668	0.000282347	0.001654777
276	0.001053	1.97E-05	0.9307	0.001	0.00106	4.44E-05	0.9315	0.001031	0.000341	2.59E-05	0.9434	0.000348	6.51971E-05	6.51971E-05	0	0.000176922	0.000176922	0.003143733	0.002966811	0.003966811	0.001	0.002031437	0.001031437	0.001379013	0.000347576	0.003966811
277	0.001509	2.58E-05	0.9307	0.00143	0.001723	7.22E-05	0.9315	0.001677	0.000447	3.14E-05	0.9434	0.000453	6.52822E-05	6.52822E-05	0	0.000134296	0.000134296	0.000134296	0	0.001429892	0.001429892	0.003106529	0.001676637	0.002129631	0.000452994	0.003106529
278	0.00193	3.42E-05	0.9307	0.00183	0.003135	0.000118	0.9315	0.003039	0.00061	3.94E-05	0.9434	0.000615	6.19536E-05	6.19536E-05	0	0.002048511	0.002048511	0.019717808	0.017669297	0.019499535	0.001830238	0.004868994	0.003038757	0.003653341	0.000614584	0.019717808
279	0.002501	5.2E-05	0.9307	0.00238	0.007524	0.000246	0.9315	0.007254	0.000888	5.12E-05	0.9434	0.000889	5.52441E-05	5.52441E-05	0	0.001484619	0.001484619	0.009831062	0.008346443	0.010726286	0.002379843	0.009633394	0.007253551	0.00814257	0.000889019	0.010726286
280	0	8.79E-05	0.9307	8.79E-05	0	0.001599	0.9315	0.001599	0.001415	7E-05	0.9434	0.001405	4.63963E-05	4.63963E-05	0	6.14397E-05	6.14397E-05	0.000534309	0.000472869	0.000560807	8.79375E-05	0.001686506	0.001598568	0.003003841	0.001405273	0.003003841
281	0	0.000122	0.9307	0.000122	0	0	0.9315	0	0.00261	0.000111	0.9434	0.002574	3.73716E-05	3.73716E-05	0	4.97094E-05	4.97094E-05	0.00034969	0.00029998	0.000421763	0.000121783	0.000121783	0	0.00257377	0.00257377	0.00257377
282	0	0.000143	0.9307	0.000143	0	0.002957	0.9315	0.002957	0.006169	0.000241	0.9434	0.006061	3.00715E-05	3.00715E-05	0	4.07904E-05	4.07904E-05	0.00024526	0.00020447	0.000346971	0.000142501	0.003099726	0.002957225	0.009018373	0.006061148	0.009018373
283	0	0.000151	0.9307	0.000151	0	0.000992	0.9315	0.000992	0	0.003035	0.9434	0.003035	2.43874E-05	2.43874E-05	0	3.40163E-05	3.40163E-05	0.000180757	0.000146741	0.00029749	0.000150749	0.001143124	0.000992375	0.004027148	0.003034773	0.004027148
284	0	0.000146	0.9307	0.000146	0	0.000309	0.9315	0.000309	0	0.002903	0.9434	0.002903	2.06759E-05	2.06759E-05	0	2.97515E-05	2.97515E-05	0.00014074	0.000110988	0.000256693	0.000145705	0.000455013	0.000309307	0.003212418	0.00290311	0.003212418
285	0.002123	9.83E-05	0.9307	0.002074	0.001443	7.06E-05	0.9315	0.001415	0.003262	0.000299	0.9434	0.003377	0.002104317	0.002512709	0.001877681	0.002213749	0.000336068	0.000893024	0.000556956	0.00263092	0.002073964	0.003488765	0.001414801	0.004791396	0.003376595	0.004791396
286	0.001781	8.28E-05	0.9307	0.00174	0.001025	5.21E-05	0.9315	0.001007	0.002017	0.000185	0.9434	0.002087	0.001790946	0.002129342	0.001582421	0.001882599	0.000300178	0.000759655	0.000459477	0.002199649	0.001740172	0.002747268	0.001007096	0.003094282	0.002087186	0.003094282
287	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
288	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
289	0.001089	2.34E-05	0.9307	0.001037	0.000844	5.14E-05	0.9315	0.000837	0.000299	2.88E-05	0.9434	0.000311	4.9911E-05	4.9911E-05	0	0.000165627	0.000165627	0.003599165	0.003433539	0.004470084	0.001036545	0.001873812	0.000837268	0.001148033	0.000310765	0.004470084
290	0.001149	2.52E-05	0.9307	0.001094	0.001228	6.4E-05	0.9315	0.001208	0.000357	3.4E-05	0.9434	0.00037	4.85762E-05	4.85762E-05	0	0.000106327	0.000106327	0.003018183	0.002911857	0.004006351	0.001094494	0.002302183	0.001207689	0.001578139	0.00037045	0.004006351
291	0.00173	3.27E-05	0.9307	0.001643	0.001974	0.000105	0.9315	0.001943	0.000486	4.58E-05	0.9434	0.000504	4.73158E-05	4.73158E-05	0	8.65978E-05	8.65978E-05	0.003192604	0.003106006	0.004748583	0.001642577	0.003586019	0.001943442	0.0024473	0.000503858	0.004748583
292	0.002565	4.47E-05	0.9307	0.002432	0.003641	0.000194	0.9315	0.003585	0.000683	6.15E-05	0.9434	0.000706	4.34297E-05	4.34297E-05	0	7.06855E-05	7.06855E-05	0.002966377	0.002895692	0.005327765	0.002432073	0.006017494	0.003585421	0.004290983	0.000705562	0.006017494
293	0.005384	9.95E-05	0.9307	0.005111	0.010911	0.000537	0.9315	0.0107	0.001065	8.69E-05	0.9434	0.001092	0.006479695	0.016302827	0.015062653	0.016245197	0.001182543	0.012103491	0.010920948	0.016031951	0.005111003	0.015810867	0.010699864	0.011791598	0.001091735	0.016302827
294	0	0.000208	0.9307	0.000208	0	0	0.9315	0	0.001872	0.000139	0.9434	0.001904	3.39214E-05	3.39214E-05	0	5.09885E-05	5.09885E-05	0.000506195	0.000455207	0.000662738	0.000207532	0.000207532	0	0.00190449	0.00190449	0.00190449
295	0	0.000237	0.9307	0.000237	0	0.002929	0.9315	0.002929	0.004189	0.000268	0.9434	0.00422	2.7793E-05	2.7793E-05	0	4.24854E-05	4.24854E-05	0.000303497	0.000261011	0.000497614	0.000236603	0.003165487	0.002928884	0.007148485	0.004219601	0.007148485
296	0	0.000237	0.9307	0.000237	0	0.00229	0.9315	0.00229	0.01627	0.000975	0.9434	0.016325	2.30013E-05	2.30013E-05	0	3.5839E-05	3.5839E-05	0.000205301	0.000169462	0.000406389	0.000236927	0.002527067	0.00229014	0.01861533	0.01632519	0.01861533
297	0	0.000227	0.9307	0.000227	0	0.000415	0.9315	0.000415	0	0	0.9434	0	1.94691E-05	1.94691E-05	0	3.07244E-05	3.07244E-05	0.000151977	0.000121253	0.000348374	0.000227122	0.000642306	0.000415185	0.000415185	0	0.000642306
298	0	0.000205	0.9307	0.000205	0	0.000196	0.9315	0.000196	0	0	0.9434	0	1.65969E-05	1.65969E-05	0	2.6659E-05	2.6659E-05	0.000119254	9.25952E-05	0.000297108	0.000204513	0.000400044	0.000195531	0.000195531	0	0.000400044
299	0	0.000167	0.9307	0.000167	0	0.000121	0.9315	0.000121	0	0.003737	0.9434	0.003737	1.47847E-05	1.47847E-05	0	2.39416E-05	2.39416E-05	9.99589E-05	7.60172E-05	0.00024267	0.000166653	0.000287407	0.000120754	0.003857459	0.003736705	0.003857459
300	0.002928	0.000134	0.9307	0.00286	0.001663	8.08E-05	0.9315	0.00163	0.006487	0.000532	0.9434	0.006653	0.002168453	0.002601888	0.001967547	0.002321032	0.000353485	0.000948597	0.000595112	0.00345469	0.002859579	0.004489351	0.001629772	0.008282464	0.006652691	0.008282464
301	0.002331	0.000107	0.9307	0.002276	0.001137	5.79E-05	0.9315	0.001117	0.002975	0.000257	0.9434	0.003064	0.001856381	0.002213797	0.001660589	0.00197552	0.000314931	0.000799609	0.000484678	0.002760965	0.002276287	0.003392992	0.001116705	0.004180549	0.003063845	0.004180549
302	0.001861	8.64E-05	0.9307	0.001819	0.000827	4.39E-05	0.9315	0.000814	0.001726	0.000155	0.9434	0.001783	0.001609334	0.001910729	0.001424821	0.001708035	0.000283214	0.000686906	0.000403692	0.00222237	0.001818678	0.002632977	0.000814299	0.002597228	0.001782929	0.002632977
303	0.0015	7.05E-05	0.9307	0.001466	0.000631	3.46E-05	0.9315	0.000622	0.001119	0.000105	0.9434	0.001161	0.00141178	0.001670713	0.001240486	0.001497344	0.000256858	0.000599676	0.000342818	0.001809085	0.001466268	0.00208836	0.000622092	0.001782712	0.00116062	0.00208836
304	0.001222	5.83E-05	0.9307	0.001196	0.000499	2.82E-05	0.9315	0.000493	0.000781	7.6E-05	0.9434	0.000813	0.001252012	0.001477995	0.001093932	0.001328676	0.000234744	0.000530759	0.000296015	0.001491638	0.001195623	0.001688397	0.000492775	0.001305632	0.000812857	0.001688397
305	0.001005	4.89E-05	0.9307	0.000985	0.000406	2.35E-05	0.9315	0.000401	0.000574	5.81E-05	0.9434	0.0006	0.001119955	0.001319604	0.000974381	0.001190142	0.000215761	0.000474772	0.000259011	0.001243656	0.000984646	0.001386112	0.000401467	0.001001397	0.000599931	0.001386112
306	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
307	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
308	0.001232	3.13E-05	0.9307	0.001178	0.000981	6.88E-05	0.9315	0.000982	0.000321	3.87E-05	0.9434	0.000341	4.02158E-05	4.02158E-05	0	0.000105937	0.000105937	0.003140393	0.003034456	0.004212749	0.001178293	0.0021605	0.000982208	0.001323411	0.000341203	0.004212749
309	0.001476	3.67E-05	0.9307	0.00141	0.00146	9.5E-05	0.9315	0.001455	0.000416	4.7E-05	0.9434	0.000439	3.78666E-05	3.78666E-05	0	7.84753E-05	7.84753E-05	0.003092919	0.003014444	0.004424764	0.00141032	0.002865064	0.001454744	0.001894032	0.000439288	0.004424764
310	0.0025	5.31E-05	0.9307	0.00238	0.002246	0.000159	0.9315	0.002251	0.00055	6.66E-05	0.9434	0.000586	3.61883E-05	3.61883E-05	0	6.59415E-05	6.59415E-05	0.00320638	0.003140438	0.005520542	0.002380104	0.004630695	0.002250591	0.002836445	0.000585855	0.005520542
311	0.005246	0.000111	0.9307	0.004994	0.00333	0.000304	0.9315	0.003407	0.000776	9.49E-05	0.9434	0.000827	3.42555E-05	3.42555E-05	0	5.80499E-05	5.80499E-05	0.00362213	0.00356408	0.008557942	0.004993862	0.008400367	0.003406505	0.004233465	0.00082696	0.008557942
312	0	0.001139	0.9307	0.001139	0.007092	0.000617	0.9315	0.007222	0.001199	0.000145	0.9434	0.001277	3.04357E-05	3.04357E-05	0	4.9794E-05	4.9794E-05	0.000767959	0.000718165	0.001857649	0.001139484	0.008361977	0.007222493	0.008499067	0.001276573	0.008499067
313	0	0.001282	0.9307	0.001282	0.019443	0.001132	0.9315	0.019242	0.002181	0.000256	0.9434	0.002314	2.61143E-05	2.61143E-05	0	4.22675E-05	4.22675E-05	0.000380062	0.000337795	0.001619868	0.001282073	0.020523842	0.019241769	0.021555393	0.002313624	0.021555393
314	0	0.000569	0.9307	0.000569	0	0.002098	0.9315	0.002098	0.005953	0.000591	0.9434	0.006207	2.17574E-05	2.17574E-05	0	3.61974E-05	3.61974E-05	0.00023547	0.000199272	0.000768643	0.000569371	0.002667267	0.002097897	0.008304664	0.006206767	0.008304664
315	0	0.000418	0.9307	0.000418	0	0.000472	0.9315	0.000472	0	0	0.9434	0	1.864E-05	1.864E-05	0	3.14097E-05	3.14097E-05	0.000165214	0.000133804	0.000551358	0.000417554	0.000889779	0.000472225	0.000472225	0	0.000889779
316	0	0.00035	0.9307	0.00035	0	0.000207	0.9315	0.000207	0	0	0.9434	0	1.62009E-05	1.62009E-05	0	2.76095E-05	2.76095E-05	0.000127086	9.94763E-05	0.000449929	0.000350453	0.000557896	0.000207443	0.000207443	0	0.000557896
317	0	0.000277	0.9307	0.000277	0	0.000129	0.9315	0.000129	0	0	0.9434	0	1.41923E-05	1.41923E-05	0	2.44947E-05	2.44947E-05	0.000104248	7.97528E-05	0.00035721	0.000277457	0.000406001	0.000128544	0.000128544	0	0.000406001
318	0.004368	0.000198	0.9307	0.004263	0.001865	8.91E-05	0.9315	0.001826	0.011054	0.000821	0.9434	0.01125	0.002174005	0.002636237	0.002020787	0.002390977	0.00037019	0.001004075	0.000633884	0.004896672	0.004262787	0.006089001	0.001826213	0.013076369	0.011250156	0.013076369
319	0.003221	0.000145	0.9307	0.003143	0.001247	6.36E-05	0.9315	0.001225	0.004252	0.000335	0.9434	0.004347	0.001872032	0.002251227	0.001713247	0.002042023	0.000328776	0.000838863	0.000510088	0.003652938	0.003142851	0.004367673	0.001224822	0.005571881	0.004347059	0.005571881
320	0.002388	0.000109	0.9307	0.002332	0.000893	4.79E-05	0.9315	0.000879	0.002169	0.000186	0.9434	0.002232	0.001645254	0.001964675	0.001479286	0.001775435	0.000296148	0.000718325	0.000422177	0.002753955	0.002331778	0.003211082	0.000879303	0.003111315	0.002232011	0.003211082
321	0.001826	8.49E-05	0.9307	0.001785	0.000673	3.75E-05	0.9315	0.000665	0.001305	0.00012	0.9434	0.001351	0.001449871	0.001723255	0.001289963	0.001558071	0.000268108	0.000624505	0.000356397	0.002140909	0.001784512	0.002449073	0.000664561	0.002015705	0.001351143	0.002449073
322	0.001431	6.78E-05	0.9307	0.0014	0.000528	3.03E-05	0.9315	0.000523	0.000872	8.48E-05	0.9434	0.000907	0.001289962	0.001527784	0.001138543	0.001383184	0.000244641	0.000551141	0.0003065	0.001706287	0.001399786	0.001922304	0.000522518	0.001429838	0.00090732	0.001922304
323	0.001143	5.53E-05	0.9307	0.001119	0.000428	2.5E-05	0.9315	0.000423	0.000624	6.36E-05	0.9434	0.000653	0.00115674	0.001366299	0.001014693	0.00123929	0.000224597	0.000492107	0.00026751	0.0013865	0.001118989	0.001542385	0.000423396	0.001075955	0.00065256	0.001542385
324	0.000931	4.6E-05	0.9307	0.000912	0.000355	2.11E-05	0.9315	0.000352	0.000471	4.98E-05	0.9434	0.000494	0.001046023	0.001232943	0.000913207	0.001120742	0.000207534	0.000444198	0.000236664	0.001148742	0.000912078	0.001263905	0.000351828	0.00084567	0.000493842	0.001263905
325	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
326	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
327	0.001582	5.03E-05	0.9307	0.001523	0.000924	9.03E-05	0.9315	0.000951	0.000341	5.11E-05	0.9434	0.000373	0.003511413	0.00495775	0.004074152	0.005300037	0.001225885	0.029118834	0.027892949	0.029415779	0.00152283	0.002473505	0.000950675	0.00132341	0.000372735	0.029415779
328	0.002587	7.67E-05	0.9307	0.002485	0.001184	0.000128	0.9315	0.001231	0.000432	6.69E-05	0.9434	0.000474	0.003284936	0.00477737	0.004041659	0.005248587	0.001206928	0.026749777	0.025542849	0.028027445	0.002484596	0.003715572	0.001230976	0.001704948	0.000473971	0.028027445
329	0.0041	0.000114	0.9307	0.00393	0.001928	0.000194	0.9315	0.00199	0.000583	9.21E-05	0.9434	0.000642	0.003712904	0.00538877	0.004490027	0.005375311	0.000885285	0.030909374	0.03002409	0.033954081	0.003929991	0.005920226	0.001990235	0.002632178	0.000641943	0.033954081
330	0.011491	0.000321	0.9307	0.011015	0.002462	0.000282	0.9315	0.002574	0.000798	0.000132	0.9434	0.000885	0.003405511	0.005050103	0.004282428	0.0051899	0.000907473	0.014625154	0.013717681	0.024733164	0.011015482	0.013589936	0.002574454	0.003459925	0.000885472	0.024733164
331	0	0	0.9307	0	0.003746	0.000393	0.9315	0.003883	0.001201	0.000207	0.9434	0.00134	2.4009E-05	2.4009E-05	0	4.1052E-05	4.1052E-05	0.000448731	0.000407679	0.000407679	0	0.003882509	0.003882509	0.005222301	0.001339792	0.005222301
332	0	0	0.9307	0	0.005385	0.000454	0.9315	0.00547	0.002033	0.000365	0.9434	0.002283	2.06472E-05	2.06472E-05	0	3.52194E-05	3.52194E-05	0.00026427	0.000229051	0.000229051	0	0.005469912	0.005469912	0.007752957	0.002283045	0.007752957
333	0	0.001461	0.9307	0.001461	0.006238	0.000353	0.9315	0.006164	0.004227	0.000736	0.9434	0.004724	1.77089E-05	1.77089E-05	0	3.08715E-05	3.08715E-05	0.000183039	0.000152168	0.001612882	0.001460715	0.007624392	0.006163677	0.010888139	0.004724462	0.010888139
334	0	0.001298	0.9307	0.001298	0.004682	0.000196	0.9315	0.004557	0.011075	0.001408	0.9434	0.011856	1.56393E-05	1.56393E-05	0	2.75001E-05	2.75001E-05	0.000138814	0.000111314	0.001408836	0.001297522	0.005854807	0.004557285	0.016413618	0.011856333	0.016413618
335	0	0.000727	0.9307	0.000727	0	0.000127	0.9315	0.000127	0	0.003726	0.9434	0.003726	1.39002E-05	1.39002E-05	0	2.46974E-05	2.46974E-05	0.000111484	8.67865E-05	0.000813854	0.000727068	0.000854105	0.000127037	0.003853051	0.003726014	0.003853051
336	0.007795	0.000355	0.9307	0.007611	0.00195	9.1E-05	0.9315	0.001908	0.013249	0.001014	0.9434	0.013514	0.002110949	0.002597483	0.002017427	0.002400308	0.000382881	0.001059191	0.00067631	0.008286977	0.007610667	0.0095183	0.001907633	0.015421561	0.013513928	0.015421561
337	0.004661	0.000208	0.9307	0.004546	0.001327	6.65E-05	0.9315	0.001303	0.004815	0.000367	0.9434	0.00491	0.00186147	0.002262444	0.001735946	0.002077308	0.000341362	0.000881234	0.000539872	0.005086275	0.004546403	0.005848942	0.001302538	0.006212146	0.004909608	0.006212146
338	0.003149	0.000141	0.9307	0.003072	0.000956	5.09E-05	0.9315	0.000941	0.002484	0.000202	0.9434	0.002546	0.001647064	0.001984436	0.001508891	0.001816007	0.000307116	0.000750951	0.000443834	0.00351616	0.003072325	0.00401373	0.000941405	0.003487113	0.002545708	0.00401373
339	0.00225	0.000103	0.9307	0.002197	0.00072	4.01E-05	0.9315	0.000711	0.001465	0.000131	0.9434	0.001513	0.001463853	0.00175237	0.001323137	0.00160133	0.000278193	0.000651112	0.000372919	0.002570345	0.002197426	0.002908483	0.000711057	0.002224454	0.001513398	0.002908483
340	0.001682	7.89E-05	0.9307	0.001645	0.000564	3.24E-05	0.9315	0.000558	0.000958	9.29E-05	0.9434	0.000997	0.00131013	0.001560741	0.001172028	0.001425905	0.000253878	0.000573403	0.000319525	0.001964244	0.001644719	0.002202373	0.000557654	0.001554561	0.000996908	0.002202373

	6				7				8				2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
No.	DPM conc	PM2.5 dust	DPM→PM	g annual co	DPM conc	PM2.5 dust	DPM→PM	g annual co	DPM conc	PM2.5 dust	DPM→PM	g annual conc	1+2	1+2+3	2+3	2+3+4	4	4+5	5	5+6	6	6+7	7	7+8	8	max PM2.5
341	0.001297	6.24E-05	0.9307	0.00127	0.000455	2.68E-05	0.9315	0.00045	0.000675	6.94E-05	0.9434	0.000707	0.001179895	0.001400285	0.001046994	0.001280008	0.000233014	0.000511027	0.000278013	0.001548044	0.001270031	0.001720401	0.000450371	0.001156998	0.000706627	0.001720401
342	0.001028	5.08E-05	0.9307	0.001008	0.000376	2.25E-05	0.9315	0.000373	0.000504	5.4E-05	0.9434	0.000529	0.001069802	0.001265875	0.000943202	0.001158329	0.000215127	0.000460331	0.000245205	0.001253109	0.001007905	0.001380711	0.000372806	0.000901842	0.000529036	0.001380711
343	0.000834	4.22E-05	0.9307	0.000818	0.000317	1.92E-05	0.9315	0.000315	0.000391	4.33E-05	0.9434	0.000413	0.000975762	0.001151881	0.000855837	0.001055375	0.000199538	0.000418282	0.000218744	0.001036909	0.000818166	0.001133057	0.000314891	0.000727442	0.00041255	0.001151881
344	0.00069	3.57E-05	0.9307	0.000677	0.000273	1.66E-05	0.9315	0.000271	0.000314	3.56E-05	0.9434	0.000332	0.000894695	0.001054198	0.000781485	0.00096733	0.000185846	0.000382825	0.000196979	0.000874442	0.000677463	0.000947963	0.0002705	0.000602567	0.000332067	0.001054198
345	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
346	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
347	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
348	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
349	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350	0	0.001433	0.9307	0.001433	0.001752	0.000215	0.9315	0.001847	0.000769	0.000161	0.9434	0.000887	2.20159E-05	2.20159E-05	0	3.98116E-05	3.98116E-05	0.000436258	0.000396446	0.00182968	0.001433233	0.003280081	0.001846848	0.002733672	0.000886824	0.003280081
351	0	0.001336	0.9307	0.001336	0.002494	0.00023	0.9315	0.002553	0.001183	0.000238	0.9434	0.001354	1.83286E-05	1.83286E-05	0	3.23778E-05	3.23778E-05	0.000243826	0.000211448	0.001547486	0.001336038	0.003889091	0.002553052	0.003907012	0.00135396	0.003907012
352	0	0.001487	0.9307	0.001487	0.002553	0.00021	0.9315	0.002588	0.001666	0.000356	0.9434	0.001928	1.63059E-05	1.63059E-05	0	2.89683E-05	2.89683E-05	0.000183194	0.000154226	0.001641246	0.001487021	0.004075412	0.002588391	0.004516585	0.001928193	0.004516585
353	0	0	0.9307	0	0.002472	0.000157	0.9315	0.002459	0.002499	0.000508	0.9434	0.002866	1.45943E-05	1.45943E-05	0	2.61772E-05	2.61772E-05	0.000143213	0.000117036	0.000117036	0	0.00245895	0.00245895	0.005324833	0.002865884	0.005324833
354	0	0	0.9307	0	0.002226	0.000113	0.9315	0.002186	0.003651	0.000617	0.9434	0.004062	1.32802E-05	1.32802E-05	0	2.39564E-05	2.39564E-05	0.000116882	9.29253E-05	9.29253E-05	0	0.002186399	0.002186399	0.006247927	0.004061528	0.006247927
355	0	0	0.9307	0	0.001771	8.62E-05	0.9315	0.001736	0.004512	0.000541	0.9434	0.004798	1.22153E-05	1.22153E-05	0	2.23502E-05	2.23502E-05	9.92956E-05	7.69454E-05	7.69454E-05	0	0.001735656	0.001735656	0.006533313	0.004797657	0.006533313
356	0.007689	0.000322	0.9307	0.007478	0.001317	6.5E-05	0.9315	0.001291	0.003694	0.000318	0.9434	0.003803	0.001795233	0.002208298	0.001710994	0.002059858	0.000348864	0.000923056	0.000574192	0.008052623	0.007478431	0.00876986	0.001291429	0.00509416	0.003802731	0.00876986
357	0.004285	0.000186	0.9307	0.004175	0.000987	5.09E-05	0.9315	0.00097	0.002324	0.000195	0.9434	0.002388	0.001614409	0.001964555	0.001507157	0.001821945	0.000314788	0.000784907	0.000470119	0.004644656	0.004174537	0.005145037	0.0009705	0.003358087	0.002387587	0.005145037
358	0.002806	0.000126	0.9307	0.002737	0.000758	4.1E-05	0.9315	0.000747	0.0015	0.000133	0.9434	0.001548	0.001452922	0.001753842	0.001334869	0.001620832	0.000285963	0.000679884	0.000393921	0.003131242	0.002737321	0.003484473	0.000747152	0.002295032	0.001547881	0.003484473
359	0.001979	9.17E-05	0.9307	0.001934	0.000597	3.38E-05	0.9315	0.00059	0.001015	9.63E-05	0.9434	0.001054	0.001310911	0.001572708	0.001189536	0.001450793	0.000261257	0.000597406	0.000336149	0.002269837	0.001933688	0.002523911	0.000590223	0.001643922	0.001053699	0.002523911
360	0.001467	7.03E-05	0.9307	0.001436	0.000483	2.82E-05	0.9315	0.000478	0.000722	7.32E-05	0.9434	0.000754	0.001187373	0.001417673	0.001066915	0.001306871	0.000239956	0.000531308	0.000291352	0.001727465	0.001436113	0.001913854	0.000477741	0.001232211	0.00075447	0.001913854
361	0.001132	5.58E-05	0.9307	0.001109	0.000399	2.38E-05	0.9315	0.000395	0.000539	5.75E-05	0.9434	0.000566	0.001081187	0.001285983	0.000963925	0.001185535	0.000221611	0.000477719	0.000256109	0.00136521	0.001109101	0.001504499	0.000395398	0.000961142	0.000565744	0.001504499
362	0.0009	4.56E-05	0.9307	0.000883	0.000336	2.04E-05	0.9315	0.000334	0.000418	4.63E-05	0.9434	0.00044	0.000989604	0.001173422	0.000876619	0.001082269	0.00020565	0.000433445	0.000227795	0.001110631	0.000882836	0.001216387	0.00033355	0.000774046	0.000440496	0.001216387
363	0.000733	3.81E-05	0.9307	0.000721	0.000288	1.77E-05	0.9315	0.000286	0.000335	3.81E-05	0.9434	0.000354	0.000910548	0.001076964	0.000802324	0.000994046	0.000191721	0.000396478	0.000204757	0.000925355	0.000720599	0.001006699	0.0002861	0.000639873	0.000353773	0.001076964
364	0.000611	3.24E-05	0.9307	0.000601	0.000251	1.55E-05	0.9315	0.000249	0.000275	3.19E-05	0.9434	0.000291	0.000841763	0.000993551	0.000738465	0.000917891	0.000179426	0.000365116	0.00018569	0.000786407	0.000600717	0.00084965	0.000248933	0.000540315	0.000291382	0.000993551
365	0.000518	2.81E-05	0.9307	0.00051	0.000221	1.37E-05	0.9315	0.000219	0.000231	2.71E-05	0.9434	0.000245	0.000780771	0.000919992	0.000682472	0.000850823	0.000168352	0.000337888	0.000169536	0.00067966	0.000510124	0.000729271	0.000219147	0.000464041	0.000244894	0.000919992
366	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
367	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
368	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
369	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
370	0	0.001369	0.9307	0.001369	0.001339	0.000154	0.9315	0.001402	0.000716	0.000168	0.9434	0.000843	1.74346E-05	1.74346E-05	0	3.2696E-05	3.2696E-05	0.000242634	0.000209937	0.00157882	0.001368882	0.002770788	0.001401906	0.002244995	0.000843088	0.002770788
371	0	0.001431	0.9307	0.001431	0.001583	0.000144	0.9315	0.001619	0.001008	0.000222	0.9434	0.001172	1.52325E-05	1.52325E-05	0	2.78872E-05	2.78872E-05	0.000174787	0.000146899	0.001578001	0.001431102	0.003049742	0.00161864	0.002790907	0.001172267	0.003049742
372	0	0.0015	0.9307	0.0015	0.001542	0.000122	0.9315	0.001558	0.001295	0.000282	0.9434	0.001503	1.35908E-05	1.35908E-05	0	2.47874E-05	2.47874E-05	0.000139052	0.000114264	0.001614727	0.001500463	0.003058587	0.001558125	0.003061475	0.00150335	0.003061475
373	0	0	0.9307	0	0.001437	9.73E-05	0.9315	0.001435	0.001529	0.000326	0.9434	0.001768	1.24695E-05	1.24695E-05	0	2.27873E-05	2.27873E-05	0.000117174	9.43868E-05	9.43868E-05	0	0.0014354	0.0014354	0.003203798	0.001768398	0.003203798
374	0	0	0.9307	0	0.001373	7.91E-05	0.9315	0.001358	0.001783	0.000319	0.9434	0.002001	1.18302E-05	1.18302E-05	0	2.17129E-05	2.17129E-05	0.000101284	7.95712E-05	7.95712E-05	0	0.001358378	0.001358378	0.003359767	0.002001389	0.003359767
375	0.012116	0.000483	0.9307	0.01176	0.001161	6.14E-05	0.9315	0.001143	0.001876	0.000249	0.9434	0.002019	0.001692484	0.002103042	0.001641621	0.001992949	0.000351329	0.000959716	0.000608387	0.012367999	0.011759612	0.012902356	0.001142744	0.003161566	0.002018822	0.012902356
376	0.005844	0.000242	0.9307	0.005681	0.000943	4.88E-05	0.9315	0.000927	0.001675	0.000175	0.9434	0.001756	0.001551481	0.001905113	0.001472457	0.001790985	0.000318528	0.000816693	0.000498165	0.006178879	0.005680714	0.006608157	0.000927443	0.002683028	0.001755585	0.006608157
377	0.003462	0.000152	0.9307	0.003375	0.000757	3.98E-05	0.9315	0.000745	0.00131	0.000124	0.9434	0.00136	0.001414628	0.001721171	0.001319148	0.001609105	0.000289957	0.0007061	0.000416143	0.003790986	0.003374843	0.004119488	0.000744645	0.00210434	0.001359695	0.004119488
378	0.002319	0.000107	0.9307	0.002265	0.000613	3.33E-05	0.9315	0.000604	0.000985	9.35E-05	0.9434	0.001023	0.001292516	0.00156136	0.001188417	0.001454548	0.000266131	0.000621317	0.000355185	0.002619959	0.002264774	0.002868937	0.000604163	0.001627144	0.001022981	0.002868937
379	0.001655	7.92E-05	0.9307	0.001619	0.000502	2.83E-05	0.9315	0.000496	0.000738	7.28E-05	0.9434	0.000769	0.001180608	0.001418193	0.001073451	0.001318482	0.000245032	0.000552305	0.000307273	0.001926685	0.001619412	0.002115266	0.000495854	0.001265195	0.000769341	0.002115266
380	0.001242	6.15E-05	0.9307	0.001217	0.000418	2.43E-05	0.9315	0.000413	0.000564	5.84E-05	0.9434	0.00059	0.001081456	0.001293256	0.000974488	0.00120113	0.000226641	0.000496013	0.000269372	0.001486505	0.001217133	0.001630513	0.00041338	0.001003787	0.000590408	0.001630513
381	0.000968	4.94E-05	0.9307	0.00095	0.000353	2.11E-05	0.9315	0.00035	0.000442	4.79E-05	0.9434	0.000465	0.000994272	0.001184648	0.000889367	0.001099935	0.000210568	0.00044951	0.000238942	0.001189374	0.000950432	0.001300462	0.00035003	0.000814765	0.000464735	0.001300462
382	0.000778	4.07E-05	0.9307	0.000765	0.000303	1.84E-05	0.9315	0.000301	0.000355	3.99E-05	0.9434	0.000375	0.000917808	0.001090248	0.000816013	0.001012454	0.000196441	0.000410566	0.000214125	0.000979205	0.000765079	0.001065705	0.000300626	0.000675487	0.000374861	0.001090248
383	0.000642	3.43E-05	0.9307	0.000632	0.000263	1.62E-05	0.9315	0.000262	0.000292	3.37E-05	0.9434	0.000309	0.000850568	0.001007815	0.000752353	0.000936279	0.000183926	0.000377535	0.000193609	0.000825127	0.000631519	0.000893063	0.000261544	0.000570551	0.000309007	0.001007815
384	0.00054	2.94E-05	0.9307	0.000532	0.000232	1.44E-05	0.9315	0.00023	0.000245	2.87E-05	0.9434	0.00026	0.000791202	0.000935483	0.000696787	0.00086954	0.000172753	0.000349161	0.000176408	0.000708763	0.000532355	0.000762539	0.000230183	0.00048979	0.000259607	0.000935483
385	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
387	0	0	0.9307	0	0.000904	0.00011	0.9315	0.000952	0.000583	0.000153	0.9434	0.000703	1.54566E-05	1.54566E-05	0	2.92836E-05	2.92836E-05	0.000181565	0.000152281	0.000152281	0	0.000952233	0.000952233	0.001655666	0.000703433	0.001655666
388	0	0	0.9307	0	0.000973	0.000102	0.9315	0.001008	0.000719	0.000184	0.9434	0.000862	1.35488E-05	1.35488E-05	0	2.5317E-05	2.5317E-05	0.000141304	0.000115987	0.000115987	0	0.001008332	0.001008332	0.001870284	0.000861952	0.001870284
389	0	0	0.9307	0	0.000994	8.38E-05	0.9315	0.00101	0.000868	0.000207	0.9434	0.001027	1.18052E-05	1.18052E-05	0	2.2143E-05	2.2143E-05	0.000113195	9.1052E-05	9.1052E-05	0	0.001009777	0.001009777	0.002036306	0.00102653	0.002036306
390	0	0	0.9307	0	0.000984	6.95E-05	0.9315	0.000986	0.000979	0.000212	0.9434	0.001136	1.11094E-05	1.11094E-05	0	2.04703E-05	2.04703E-05	9.77681E-05	7.72978E-05	7.72978E-05	0	0.000986334	0.000986334	0.002121847	0.001135512	0.002121847
391	0.018424	0.000765	0.9307	0.017913	0.000929	5.72E-05	0.9315	0.000923	0.001054	0.000188	0.9434	0.001183	0.001567512	0.001960905	0.001537987	0.001887198	0.000349212	0.000979558	0.000630347	0.018543348	0.017913001	0.018835764	0.000922763	0.002105546	0.001182782	0.018835764
392	0.007515	0.000303	0.9307	0.007297	0.000825	4.65E-05	0.9315	0.000815	0.001066	0.00015	0.9434	0.001155	0.001465942	0.001812838	0.001409179	0.001727715	0.000318536	0.000839006	0.000520471	0.007817685	0.007297214	0.008112165	0.000814951	0.001970062	0.001155111	0.008112165
393	0.004198	0.000179	0.9307	0.004086	0.000706	3.83E-05	0.9315	0.000696	0.000982	0.000113	0.9434	0.00104	0.001358167	0.001663479	0.001282315	0.001573566	0.000291251	0.000727576	0.000436325	0.004522646	0.004086321	0.004782345	0.000696023	0.001736055	0.001040032	0.004782345
394	0.002676	0.000121	0.9307	0.002612	0.000596	3.21E-05	0.9315	0.000587	0.000843	8.74E-05	0.9434	0.000882	0.001254694	0.001524829	0.001166971	0.001434788	0.000267817	0.000640124	0.000372308	0.00298406	0.002611753	0.003198893	0.000587141	0.001469457	0.000882316	0.003198893
395	0.001851	8.79E-05	0.9307	0.001811	0.000502	2.74E-05	0.9315	0.000495	0.000691	6.93E-05	0.9434	0.000721	0.001157655	0.001398148	0.001063598	0.001310989	0.000247391	0.000569643	0.000322251	0.002132787	0.001810535	0.002305288	0.000494753	0.001215732	0.00072098	0.002305288
396	0.001358	6.73E-05	0.9307	0.001331	0.000424	2.38E-05	0.9315	0.000419	0.000557	5.64E-05	0.9434	0.000581	0.001068203	0.001283681	0.000971681	0.00120107	0.000229389	0.000511743	0.000282354	0.001613201	0.001330847	0.00175009	0.000419243	0.001000722	0.00058148	0.00175009
397	0.001042	5.35E-05	0.9307	0.001023	0.000363	2.09E-05	0.9315	0.000359	0.000449	4.7E-05	0.9434	0.000471	0.000987626	0.001182008	0.000891115	0.001104645	0.00021353	0.000463702	0.000250172	0.001273185	0.001023013	0.001381668	0.000358655	0.00082959	0.000470936	0.001381668
398	0.000828	4.37E-05	0.9307	0.000814	0.000313	1.85E-05	0.9315	0.00031	0.000367	3.98E-05	0.9434	0.000386	0.000915919	0.001092468	0.000820882	0.001020455	0.000199573	0.000423499	0.000223926	0.001038053	0.000814127	0.001124288	0.000310161	0.000696372	0.000386211	0.001124288
399	0.000677	3.65E-05	0.9307	0.000666	0.000273	1.65E-05	0.9315	0.000271	0.000304	3.41E-05	0.9434	0.000321	0.00085145	0.001012688	0.000758854	0.000945848	0.000186994	0.000389034	0.00020204	0.000868462	0.000666422	0.000937309	0.000270886	0.000592202	0.000321315	0.001012688
400	0.000565	3.11E-05	0.9307	0.000557	0.000241	1.48E-05	0.9315	0.000239	0.000257	2.96E-05	0.9434	0.000272	0.000795804	0.000944209	0.000705852	0.000882053	0.000176201	0.000360305	0.000184104	0.000741393	0.000557289	0.000796622	0.000239333	0.000511212	0.00027188	0.000944209
401	0	0	0.9307	0	0	0	0.9315	0	0	0	0.9434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
402	0	0.001314	0.9307	0.001314	0.000683	8.12E-05	0.9315	0.000717	0.000483	0.000131	0.9434	0.000587	1.33153E-05	1.33153E-05	0	2.57073E-05	2.57073E-05	0.00013753	0.000111823	0.001425417	0.001313595	0.002030965	0.00071737	0.001304051	0.000586681	0.002030965
403	0	0	0.9307	0	0.000715	7.39E-05	0.9315	0.00074	0.000551	0.000144	0.9434	0.000663	1.20356E-05	1.20356E-05	0	2.30287E-05	2.30287E-05	0.000114158	9.11291E-05	9.11291E-05	0	0.000739631	0.000739631	0.001402834	0.000663203	0.001402834
404	0	0	0.9307	0	0.000728	6.33E-05	0.9315	0.000741	0.000617	0.00015	0.9434	0.000732	1.09587E-05	1.09587E-05	0	2.0833E-05	2.0833E-05	9.65623E-05	7.57293E-05	7.57293E-05	0	0.00074119	0.00074119	0.00147307	0.000731879	0.00147307
405	0	0	0.9307	0	0.000716	5.24E-05	0.9315	0.000719	0.000671	0.000143	0.9434	0.000776	1.00443E-05	1.00443E-05	0	1.89959E-05	1.89959E-05	8.31186E-05	6.41226E-05	6.41226E-05	0	0.000718949	0.000718949	0.001495352	0.000776403	0.001495352
406	0.009141	0.00037	0.9307	0.008878	0.000678	4.37E-05	0.9315	0.000675	0.000703	0.000125	0.9434	0.000787	0.001362749	0.001692852	0.001320584	0.001635398	0.000314814	0.000841243	0.000526429	0.009404017	0.008877588	0.009552842	0.000675254	0.001462751	0.000787497	0.009552842
407	0.004801	0.000201	0.9307	0.00467	0.000619	3.67E-05	0.9315	0.000613	0.000699	0.000101	0.9434	0.00076	0.001284923	0.001581704	0.001224742	0.001514325	0.000289583	0.000736382	0.000446799	0.005116577	0.004669778	0.005282998	0.00061322	0.001373578	0.000760358	0.005282998
408	0.002987	0.000132	0.9307	0.002912	0.00055	3.1E-05	0.9315	0.000543	0.000659	8.1E-05	0.9434	0.000702	0.001203828	0.001470209	0.001130374	0.001397719	0.000267345	0.000651217	0.000383873	0.003295444	0.002911571	0.003454743	0.000543171	0.001245643	0.000702472	0.003454743
409	0.002032	9.48E-05	0.9307	0.001986	0.000481	2.65E-05	0.9315	0.000474	0.000591	6.58E-05	0.9434	0.000624	0.001123814	0.001363446	0.001041734	0.001289624	0.00024789	0.00058179	0.0003339	0.002319889	0.001985989	0.0024603	0.000474311	0.001098087	0.000623777	0.0024603
410	0.001471	7.22E-05	0.9307	0.001441	0.000417	2.3E-05	0.9315	0.000412	0.000512	5.41E-05	0.9434	0.000537	0.001046736	0.001263091	0.00095996	0.001190619	0.000230659	0.000524106	0.000293447	0.001734468	0.001441021	0.001852922	0.000411902	0.000948602	0.0005367	0.001852922
411	0.001117	5.72E-05	0.9307	0.001097	0.000363	2.03E-05	0.9315	0.000358	0.000433	4.52E-05	0.9434	0.000454	0.00097435	0.001170557	0.000885713	0.001100987	0.000215274	0.000475607	0.000260333	0.001356874	0.001096541	0.001454727	0.000358186	0.00081226	0.000454074	0.001454727
412	0.00088	4.66E-05	0.9307	0.000866	0.000317	1.81E-05	0.9315	0.000313	0.000365	3.86E-05	0.9434	0.000383	0.000908067	0.00108693	0.000819461	0.00102103	0.000201569	0.000434625	0.000233057	0.001099025	0.000865968	0.001179123	0.000313155	0.000696128	0.000382973	0.001179123
413	0.000715	3.88E-05	0.9307	0.000705	0.000278	1.63E-05	0.9315	0.000276	0.000309	3.34E-05	0.9434	0.000324	0.000847815	0.001011709	0.000760441	0.000949734	0.000189294	0.000399647	0.000210353	0.000914922	0.000704569	0.000980268	0.000275699	0.000600193	0.000324493	0.001011709
414	0.000595	3.29E-05	0.9307	0.000587	0.000247	1.47E-05	0.9315	0.000245	0.000263	2.93E-05	0.9434	0.000277	0.000793692	0.000944649	0.000708271	0.000886575	0.000178305	0.000369596	0.000191291	0.00077846	0.000587169	0.000831782	0.000244614	0.000521979	0.000277365	0.000944649
415	0	0.001366	0.9307	0.001366	0.000551	5.55E-05	0.9315	0.000569	0.000436	0.000112	0.9434	0.000524	1.06191E-05	1.06191E-05	0	2.06979E-05	2.06979E-05	9.36555E-05	7.29575E-05	0.001438835	0.001365878	0.001934644	0.000568767	0.001092802	0.000524035	0.001934644
416	0	0	0.9307	0	0.000555	4.77E-05	0.9315	0.000564	0.00047	0.000111	0.9434	0.000554	9.70511E-06	9.70511E-06	0	1.87926E-05	1.87926E-05	8.07591E-05	6.19664E-05	6.19664E-05	0	0.000564489	0.000564489	0.001118348	0.000553859	0.001118348
417	0.01353	0.00052	0.9307	0.013113	0.000546	4.05E-05	0.9315	0.000549	0.000496	0.000103	0.9434	0.000571	0.001255209	0.001561766	0.00121998	0.001528322	0.000308342	0.000822692	0.00051435	0.013627665	0.013113315	0.013662743	0.000549428	0.001120052	0.000570624	0.013662743
418	0.005092	0.000217	0.9307	0.004956	0.000523	3.47E-05	0.9315	0.000522	0.000508	8.93E-05	0.9434	0.000569	0.001203641	0.001486164	0.001153956	0.001440039	0.000286083	0.000731629	0.000445546	0.005401913	0.004956367	0.00547817	0.000521803	0.001090485	0.000568682	0.00547817
419	0.003136	0.000138	0.9307	0.003057	0.000486	2.99E-05	0.9315	0.000483	0.000502	7.41E-05	0.9434	0.000548	0.001142375	0.001400255	0.001080491	0.001345628	0.000265137	0.000652086	0.00038695	0.003443461	0.003056511	0.003539199	0.000482688	0.001030609	0.000547921	0.003539199
420	0.002136	9.87E-05	0.9307	0.002086	0.000443	2.59E-05	0.9315	0.000438	0.00048	6.16E-05	0.9434	0.000514	0.001079939	0.001315031	0.001008559	0.001255365	0.000246806	0.000586185	0.000339379	0.002425661	0.002086282	0.002524485	0.000438203	0.000952514	0.000514311	0.002524485
421	0.001551	7.53E-05	0.9307	0.001519	0.000397	2.25E-05	0.9315	0.000392	0.000442	5.18E-05	0.9434	0.000469	0.001016478	0.001230799	0.000938774	0.001169157	0.000230383	0.000530479	0.000300096	0.00181876	0.001518664	0.001910831	0.000392167	0.000861152	0.000468985	0.001910831
422	0.001181	5.98E-05	0.9307	0.001159	0.000353	1.97E-05	0.9315	0.000348	0.000395	4.37E-05	0.9434	0.000417	0.000953497	0.00114914	0.000872383	0.001087881	0.000215497	0.000482744	0.000267247	0.001426012	0.001158765	0.001507042	0.000348277	0.000764921	0.000416645	0.001507042
423	0.000929	4.89E-05	0.9307	0.000914	0.000313	1.75E-05	0.9315	0.000309	0.000347	3.73E-05	0.9434	0.000365	0.000894993	0.00107442	0.000812421	0.00101489	0.000202469	0.000442603	0.000240134	0.001153912	0.000913778	0.001223146	0.000309369	0.000674146	0.000364777	0.001223146
424	0.000754	4.08E-05	0.9307	0.000743	0.000279	1.58E-05	0.9315	0.000275	0.000302	3.23E-05	0.9434	0.000317	0.000839619	0.001004685	0.000757199	0.000947763	0.000190565	0.000407666	0.000217101	0.000959843	0.000742741	0.00101807	0.000275329	0.000592309	0.00031698	0.00101807
425	0.000627	3.46E-05	0.9307	0.000618	0.000249	1.44E-05	0.9315	0.000246	0.000262	2.84E-05	0.9434	0.000276	0.000788672	0.000941127	0.00070737	0.000887148	0.000179778	0.00037735	0.000197572	0.000815654	0.000618082	0.000864252	0.000246169	0.000521823	0.000275653	0.000941127

Construction HRA

Risk Calculations - PM2.5 Dust - Unmitigated

	6				7				8				2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
No.	DPM conc	PM2.5 dust	DPM→PM2.5	annual co	DPM conc	PM2.5 dust	DPM→PM2.5	annual co	DPM conc	PM2.5 dust	DPM→PM2.5	annual conc	1+2	1+2+3	2+3	2+3+4	4	4+5	5	5+6	6	6+7	7	7+8	8	max PM2.5
426	0.002168	0.00023	0.9307	0.002247	0.000351	4.21E-05	0.9315	0.000369	0.000261	7.15E-05	0.9434	0.000318	0.001083503	0.001348134	0.001054889	0.00137195	0.000317061	0.000832432	0.000515371	0.002762572	0.002247201	0.002616191	0.00036899	0.000686587	0.000317598	0.002762572
427	0.00273	0.000168	0.9307	0.002709	0.000363	3.05E-05	0.9315	0.000368	0.0003	6.69E-05	0.9434	0.00035	0.001029716	0.001271173	0.00098746	0.001258519	0.000271059	0.000676995	0.000405936	0.003114897	0.002708961	0.003077266	0.000368306	0.000717923	0.000349617	0.003114897
428	0.002368	0.000123	0.9307	0.002328	0.000357	2.68E-05	0.9315	0.000359	0.000307	6.04E-05	0.9434	0.00035	0.001002462	0.001231976	0.000953462	0.00120892	0.000255457	0.000622425	0.000366968	0.00269465	0.002327683	0.002687034	0.000359352	0.000709168	0.000349817	0.00269465
429	0.001385	0.000162	0.9307	0.001451	0.000292	3.69E-05	0.9315	0.000309	0.000213	5.96E-05	0.9434	0.000261	0.000984249	0.001216582	0.000947983	0.00124233	0.000294347	0.000735888	0.000441542	0.001892906	0.001451364	0.001760161	0.000308797	0.00056977	0.000260973	0.001892906
430	0.001545	0.000165	0.9307	0.001603	0.000299	3.48E-05	0.9315	0.000314	0.000225	6.06E-05	0.9434	0.000272	0.000977908	0.001208104	0.000940303	0.001224841	0.000284538	0.000708148	0.00042361	0.002026564	0.001602954	0.001916579	0.000313625	0.000586015	0.00027239	0.002026564
431	0.001669	0.000156	0.9307	0.00171	0.000304	3.2E-05	0.9315	0.000316	0.000235	6.02E-05	0.9434	0.000281	0.000967447	0.001193578	0.000927533	0.00120089	0.000273356	0.000674624	0.000401268	0.002110989	0.001709721	0.002025259	0.000315538	0.000596959	0.000281421	0.002110989
432	0.001736	0.000136	0.9307	0.001751	0.000306	2.87E-05	0.9315	0.000314	0.000243	5.79E-05	0.9434	0.000287	0.000950698	0.001170464	0.000907688	0.001168297	0.000260609	0.000635113	0.000374504	0.002125919	0.001751415	0.002065259	0.000313844	0.000600562	0.000286718	0.002125919
433	0.001682	0.00011	0.9307	0.001676	0.000305	2.54E-05	0.9315	0.00031	0.000249	5.39E-05	0.9434	0.000289	0.000932643	0.001144843	0.000885486	0.001133415	0.000247929	0.000594328	0.000346399	0.002022145	0.001675747	0.00198561	0.000309863	0.00059883	0.000288967	0.002022145
434	0.000987	0.000122	0.9307	0.001041	0.000248	3.26E-05	0.9315	0.000264	0.00018	5.08E-05	0.9434	0.00022	0.000899827	0.001105558	0.000858162	0.001130784	0.000272622	0.000653564	0.000380942	0.001421521	0.001040578	0.001304536	0.000263958	0.000484207	0.000220249	0.001421521
435	0.001077	0.000125	0.9307	0.001127	0.000255	3.13E-05	0.9315	0.000268	0.000188	5.16E-05	0.9434	0.000229	0.000896666	0.001101774	0.000854605	0.001120341	0.000265736	0.000636138	0.000370401	0.001497399	0.001126998	0.00139546	0.000268463	0.000497291	0.000228828	0.001497399
436	0.001152	0.000121	0.9307	0.001194	0.00026	2.94E-05	0.9315	0.000271	0.000195	5.17E-05	0.9434	0.000236	0.000890662	0.001093871	0.000847688	0.001105555	0.000257867	0.000614853	0.000356986	0.001550859	0.001193873	0.001464969	0.000271096	0.000507196	0.0002361	0.001550859
437	0.001207	0.000111	0.9307	0.001235	0.000262	2.69E-05	0.9315	0.000271	0.000202	5.04E-05	0.9434	0.000241	0.000879723	0.001079253	0.000835045	0.001083597	0.000248552	0.000588712	0.00034016	0.001574925	0.001234765	0.001505917	0.000271152	0.000512038	0.000240886	0.001574925
438	0.001221	9.58E-05	0.9307	0.001232	0.000263	2.42E-05	0.9315	0.000269	0.000207	4.8E-05	0.9434	0.000244	0.000866935	0.001061703	0.000819963	0.001058566	0.000238603	0.000559753	0.00032115	0.001553522	0.001232372	0.001501869	0.000269497	0.000513125	0.000243629	0.001553522
439	0.000634	8.41E-05	0.9307	0.000675	0.000202	2.92E-05	0.9315	0.000218	0.000141	4.12E-05	0.9434	0.000174	0.000820312	0.001000645	0.000773769	0.00103327	0.000259501	0.000596012	0.000336511	0.001011092	0.000674581	0.000892142	0.000217561	0.000391732	0.000174172	0.00103327
440	0.000693	9.09E-05	0.9307	0.000736	0.000209	2.93E-05	0.9315	0.000224	0.000148	4.28E-05	0.9434	0.000182	0.000823947	0.001006163	0.000778154	0.001034464	0.00025631	0.000591723	0.000335413	0.001071097	0.000735684	0.000959476	0.000223792	0.000405825	0.000182033	0.001071097
441	0.000752	9.62E-05	0.9307	0.000796	0.000215	2.9E-05	0.9315	0.000229	0.000154	4.4E-05	0.9434	0.000189	0.000825119	0.001008403	0.000779857	0.001031987	0.00025213	0.000583593	0.000331463	0.001127177	0.000795714	0.00102478	0.000229066	0.000418419	0.000189354	0.001127177
442	0.000808	9.87E-05	0.9307	0.000851	0.00022	2.82E-05	0.9315	0.000233	0.00016	4.48E-05	0.9434	0.000196	0.000824304	0.001007871	0.000779197	0.001026434	0.000247238	0.000572389	0.000325151	0.001176335	0.000851184	0.001084375	0.000233191	0.00042923	0.000196039	0.001176335
443	0.000859	9.75E-05	0.9307	0.000897	0.000224	2.69E-05	0.9315	0.000236	0.000166	4.49E-05	0.9434	0.000202	0.000821446	0.001004404	0.000776003	0.00101766	0.000241657	0.000558458	0.000316801	0.001213937	0.000897136	0.001133128	0.000235993	0.000437863	0.00020187	0.001213937
444	0.000899	9.22E-05	0.9307	0.000929	0.000228	2.51E-05	0.9315	0.000237	0.000172	4.44E-05	0.9434	0.000206	0.000815657	0.000996865	0.00076942	0.001004636	0.000235217	0.000541635	0.000306419	0.001235103	0.000928685	0.001165909	0.000237225	0.000443635	0.000206411	0.001235103
445	0.000922	8.32E-05	0.9307	0.000941	0.00023	2.31E-05	0.9315	0.000237	0.000177	4.3E-05	0.9434	0.00021	0.000808589	0.000987364	0.000761421	0.000989727	0.000228306	0.000522816	0.00029451	0.001235433	0.000940923	0.00117829	0.000237367	0.000447023	0.000209657	0.001235433
446	0.000596	3.35E-05	0.9307	0.000588	0.00019	1.29E-05	0.9315	0.00019	0.000158	2.36E-05	0.9434	0.000172	0.000676037	0.00081419	0.000619448	0.000792587	0.000173139	0.000368315	0.000195176	0.000783474	0.000588298	0.000778093	0.000189796	0.000362134	0.000172339	0.00081419
447	0.00059	4.09E-05	0.9307	0.00059	0.000181	1.48E-05	0.9315	0.000183	0.000142	2.77E-05	0.9434	0.000161	0.000672618	0.000813294	0.000621431	0.00080471	0.000183279	0.000394255	0.000210976	0.000800605	0.000589629	0.000772877	0.000183247	0.000344667	0.000161419	0.000813294
448	0.000569	3.63E-05	0.9307	0.000566	0.000178	1.35E-05	0.9315	0.00018	0.000142	2.52E-05	0.9434	0.000159	0.000659949	0.000796663	0.000607724	0.000784321	0.000176597	0.000376926	0.000200329	0.000765868	0.000565539	0.000745233	0.000179694	0.000338685	0.000158991	0.000796663
449	0.00054	3.24E-05	0.9307	0.000535	0.000175	1.25E-05	0.9315	0.000176	0.000141	2.29E-05	0.9434	0.000156	0.000647099	0.0007796	0.000593541	0.000763646	0.000170105	0.000359775	0.00018967	0.000724453	0.000534783	0.000710464	0.000175681	0.000331772	0.000156091	0.0007796
450	0.00044	5.81E-05	0.9307	0.000467	0.000156	2.16E-05	0.9315	0.000166	0.000111	3.2E-05	0.9434	0.000137	0.000665505	0.000803925	0.000616236	0.000818864	0.000202628	0.000436023	0.000233395	0.000700673	0.000467279	0.000633756	0.000166477	0.000303099	0.000136622	0.000818864
451	0.000508	4.83E-05	0.9307	0.000521	0.000165	1.71E-05	0.9315	0.00017	0.000124	2.98E-05	0.9434	0.000147	0.000651289	0.000787559	0.000602523	0.00078846	0.000185937	0.000398063	0.000212126	0.000733186	0.000521061	0.000691496	0.000170436	0.000316976	0.00014654	0.00078846
452	0.00051	4.35E-05	0.9307	0.000518	0.000165	1.58E-05	0.9315	0.00017	0.000126	2.83E-05	0.9434	0.000147	0.000646628	0.000781414	0.000597198	0.000779302	0.000182104	0.000388431	0.000206328	0.000724591	0.000518263	0.000688034	0.000169771	0.000316558	0.000146787	0.000781414
453	0.000507	3.89E-05	0.9307	0.00051	0.000165	1.45E-05	0.9315	0.000168	0.000127	2.65E-05	0.9434	0.000146	0.000638898	0.000771399	0.000588867	0.000766245	0.000177378	0.000376769	0.000199391	0.000709799	0.000510409	0.000678522	0.000168114	0.000314104	0.000145991	0.000771399
454	0.000498	3.47E-05	0.9307	0.000498	0.000163	1.33E-05	0.9315	0.000165	0.000127	2.44E-05	0.9434	0.000144	0.000627685	0.000757055	0.000577223	0.000748881	0.000171658	0.000362788	0.000191131	0.000688913	0.000497782	0.000663166	0.000165384	0.000309503	0.000144119	0.000757055
455	0.000482	3.12E-05	0.9307	0.00048	0.000161	1.23E-05	0.9315	0.000163	0.000127	2.23E-05	0.9434	0.000142	0.000617471	0.000743682	0.000566214	0.000732391	0.000166177	0.000348918	0.000182742	0.000662724	0.000479982	0.000642486	0.000162504	0.000304564	0.00014206	0.000743682
456	0.000462	2.82E-05	0.9307	0.000458	0.000159	1.14E-05	0.9315	0.000159	0.000126	2.04E-05	0.9434	0.000139	0.000606094	0.000728759	0.000553894	0.000714389	0.000160495	0.000334466	0.000173971	0.00063171	0.000457739	0.000616824	0.000159085	0.000298566	0.000139481	0.000728759
457	0.000378	5.07E-05	0.9307	0.000403	0.000141	2E-05	0.9315	0.000151	0.0001	2.92E-05	0.9434	0.000124	0.000623655	0.000751052	0.000574372	0.000764584	0.000190212	0.000402334	0.000212122	0.000614959	0.000402836	0.0005543	0.000151464	0.000275204	0.000123741	0.000764584
458	0.000406	5.08E-05	0.9307	0.000428	0.000146	1.91E-05	0.9315	0.000155	0.000105	2.93E-05	0.9434	0.000128	0.000622245	0.00075028	0.000573796	0.00075957	0.000185774	0.000393516	0.000207742	0.000635986	0.000428244	0.000582992	0.000154748	0.000283224	0.000128476	0.00075957
459	0.000417	4.96E-05	0.9307	0.000438	0.000147	1.84E-05	0.9315	0.000156	0.000107	2.91E-05	0.9434	0.00013	0.000620802	0.000748837	0.000572561	0.000755761	0.0001832	0.000387834	0.000204635	0.000642561	0.000437927	0.000593616	0.000155689	0.000286128	0.000130439	0.000755761
460	0.000427	4.74E-05	0.9307	0.000445	0.000149	1.75E-05	0.9315	0.000156	0.000109	2.86E-05	0.9434	0.000132	0.00061841	0.000746089	0.000570229	0.000750561	0.000180333	0.000381242	0.000200909	0.000645763	0.000444854	0.000600962	0.000156108	0.000288034	0.000131926	0.000750561
461	0.000434	4.44E-05	0.9307	0.000449	0.00015	1.65E-05	0.9315	0.000156	0.000111	2.78E-05	0.9434	0.000133	0.000615795	0.000742896	0.000567476	0.0007449	0.000177424	0.000374271	0.000196847	0.000645541	0.000448694	0.000604882	0.000156188	0.00028911	0.000132922	0.0007449
462	0.000439	4.08E-05	0.9307	0.000449	0.000151	1.54E-05	0.9315	0.000156	0.000113	2.67E-05	0.9434	0.000133	0.000611241	0.000737185	0.000562685	0.000736743	0.000174059	0.000366231	0.000192172	0.000641187	0.000449015	0.000604645	0.00015563	0.000288784	0.000133153	0.000737185
463	0.000439	3.69E-05	0.9307	0.000446	0.000151	1.43E-05	0.9315	0.000154	0.000114	2.52E-05	0.9434	0.000133	0.000604829	0.000729081	0.000556012	0.000726253	0.00017024	0.000357104	0.000186864	0.000632589	0.000445725	0.000600181	0.000154456	0.000287091	0.000132635	0.000729081
464	0.000428	2.99E-05	0.9307	0.000429	0.000149	1.21E-05	0.9315	0.000151	0.000115	2.17E-05	0.9434	0.00013	0.000589264	0.00070911	0.000539625	0.000701277	0.000161653	0.000336413	0.00017476	0.000603507	0.000428747	0.000579486	0.00015074	0.000280862	0.000130122	0.00070911
465	0.000343	4.55E-05	0.9307	0.000364	0.000132	1.84E-05	0.9315	0.000141	9.36E-05	2.71E-05	0.9434	0.000115	0.00058832	0.000707023	0.000539605	0.000717522	0.000177916	0.000371351	0.000193434	0.000557806	0.000364372	0.000505338	0.000140966	0.000256426	0.00011546	0.000717522
466	0.000362	4.45E-05	0.9307	0.000382	0.000135	1.74E-05	0.9315	0.000143	9.76E-05	2.69E-05	0.9434	0.000119	0.000586013	0.000705013	0.000538047	0.000711798	0.000173751	0.000362768	0.000189017	0.000570838	0.000381821	0.000524927	0.000143106	0.000262085	0.000118979	0.000711798
467	0.000371	4.31E-05	0.9307	0.000388	0.000136	1.67E-05	0.9315	0.000144	9.94E-05	2.66E-05	0.9434	0.00012	0.000584379	0.00070329	0.000536603	0.000708041	0.000171438	0.000357623	0.000186185	0.000574199	0.000388013	0.000531639	0.000143625	0.000263988	0.000120363	0.000708041
468	0.000377	4.09E-05	0.9307	0.000392	0.000137	1.59E-05	0.9315	0.000144	0.000101	2.6E-05	0.9434	0.000121	0.000582074	0.000700614	0.000534365	0.000703284	0.000168919	0.000351839	0.0001829 2	0.000575014	0.000392094	0.000535841	0.000143747	0.000265054	0.000121307	0.000703284
469	0.000382	3.82E-05	0.9307	0.000394	0.000138	1.5E-05	0.9315	0.000143	0.000102	2.51E-05	0.9434	0.000122	0.000578714	0.000696556	0.000530985	0.000697149	0.000166163	0.000345376	0.000179212	0.000572946	0.000393734	0.000537186	0.000143452	0.000265129	0.000121678	0.000697149
470	0.000384	3.51E-05	0.9307	0.000393	0.000138	1.4E-05	0.9315	0.000143	0.000103	2.39E-05	0.9434	0.000122	0.000574449	0.000691238	0.000526562	0.000689777	0.000163216	0.000338398	0.000175183	0.000568064	0.000392881	0.000535672	0.000142791	0.000264324	0.000121533	0.000691238
471	0.000384	3.19E-05	0.9307	0.000389	0.000138	1.3E-05	0.9315	0.000142	0.000104	2.26E-05	0.9434	0.000121	0.000568865	0.00068423	0.000520794	0.000680767	0.000159973	0.000330776	0.000170802	0.000560284	0.000389482	0.000531177	0.000141695	0.00026258	0.000120884	0.00068423
472	0.000381	2.89E-05	0.9307	0.000384	0.000138	1.2E-05	0.9315	0.00014	0.000105	2.11E-05	0.9434	0.00012	0.000562802	0.000676476	0.000514425	0.000671002	0.000156577	0.000322717	0.00016614	0.000549841	0.000383701	0.000524006	0.000140304	0.000260219	0.000119914	0.000676476
473	0.000431	1.24E-05	0.9307	0.000413	0.000547	1.32E-05	0.9315	0.000523	0.000249	9.95E-06	0.9434	0.000244	0.047665487	0.049093799	0.019030942	0.021772424	0.002741482	0.003454621	0.000713138	0.001126307	0.000413169	0.000935744	0.000522575	0.000767019	0.000244443	0.049093799
474	0.000492	1.66E-05	0.9307	0.000474	0.0007	2.05E-05	0.9315	0.000672	0.000303	1.27E-05	0.9434	0.000299	0.047787836	0.04947026	0.019852272	0.022073062	0.00222079	0.003083567	0.000862777	0.001337008	0.000474231	0.001146554	0.000672323	0.000970828	0.000298505	0.04947026

Construction HRA

HRA Factors and values

CHANGED (Brian Schuster, 9/16/15)

Dose factors

$$\text{Dose-air} = C_{air} \times \{BR/BW\} \times A \times EF \times 10^{-6}$$

		3rd trimester	0<2	2<9	2<16	source
Daily Breath Rate (L/kg-day)	Residential	361	1090	631	572	OEHHA 2015, Table 5.6, 95th %ile for 3rdtri-2yrs old; Table 5.7, 80th for other age groups
	Parks/Paths	0	1200	640	520	OEHHA 2015, Table 5.8 (95th, moderate) for all bins but 3rd tri; assume no 3rd tri receptors;
	School	0	1200	640	520	same as park
	Daycare	361	1200	640	520	similar to schools; assume women of child bearing age are present at daycare facilities (for 3rd tri DBR)
A		1	1	1	1	OEHHA 2015, page 5-24
EF, Exposure frequency (unitless), days	Residential	0.96	0.96	0.96	0.96	OEHHA 2015, page 5-24, 350 days/yr
	Parks/Paths	0.03	0.03	0.03	0.03	3x/week, 2 hours/day, for 9 years
	School	0.12	0.12	0.12	0.12	180 days/yr, 6 hours/day
	Daycare	0.23	0.23	0.23	0.23	250 days/yr, 8 hours/day (similar to worker)
Conversion Factor		1.00E-06	1.00E-06	1.00E-06	1.00E-06	(mg/ug + m3/L)

Risk Factors

$$RISK_{inh\text{-}res} = DOSE_{air} \times CPF \times ASF \times ED/AT \times FAH$$

CPF, DPM ([mg/kg-day]$^{-1}$)	1.1	1.1	1.1	1.1	OEHHA 2015, Table 7.1
Average Age Sensitivity Factor - residence	10	10	3	3	OEHHA 2015, Table 8.3
AT, Average Time (days)	70	70	70	70	Averaging time for lifetime cancer risk
FAH	1.00	1.00	1.00	1.00	OEHHA 2015, Table 8.4: Use FAH = 1 if a school is within the 1×10-6 (or greater) cancer risk isopleth
Adjustment Factor (schools and daycare)	3.36	3.36	3.36	3.36	OEHHA 2015, Page 4-44 and Equation 4.1; the long term residential exposure is adjusted upward to rep
ED, Exposure Duration (years): varies by receptor location (see below)					Equation 8.2.4 A, OEHHA 2015

Construction HRA

ED

Offsite receptors (residents)

		3rd trimester	0<2	2<9	2<16
Assume no 3rd tri receptors	*Phase 1*	0.25	1.54	0.00	0.00
Use 2-16 breathing rates only	*Phase 2*	0.00	2.00	0.00	1.42
Use 2-16 breathing rates only	*Phase 3*	0.00	0.08	0.00	2.01
Use 2-16 breathing rates only	*Phase 4*	0.00	0.00	0.00	1.96
Use 2-16 breathing rates only	*Phase 5*	0.00	0.00	0.00	1.37
Use 2-16 breathing rates only	*Phase 6*	0.00	0.00	0.00	1.63
Use 2-16 breathing rates only	*Phase 7*	0.00	0.00	0.00	1.89
Use 2-16 breathing rates only	*Phase 8*	0.00	0.00	0.00	1.84
	QA	0.25	3.62	0.00	12.12

Offsite receptors (schools, parks)

		3rd trimester	0<2	2<9	2<16
Assume no 3rd tri receptors	*Phase 1*	0.00	1.79	0.00	0.00
Use 2-16 breathing rates only	*Phase 2*	0.00	2.00	0.00	1.42
Use 2-16 breathing rates only	*Phase 3*	0.00	0.08	0.00	2.01
Use 2-16 breathing rates only	*Phase 4*	0.00	0.00	0.00	1.96
Use 2-16 breathing rates only	*Phase 5*	0.00	0.00	0.00	1.37
Use 2-16 breathing rates only	*Phase 6*	0.00	0.00	0.00	1.63
Use 2-16 breathing rates only	*Phase 7*	0.00	0.00	0.00	1.89
Use 2-16 breathing rates only	*Phase 8*	0.00	0.00	0.00	1.84
	QA	0.00	3.87	0.00	12.12

Phase 1 receptors

		3rd trimester	0<2	2<9	2<16
Use 2-16 breathing rates only	*Phase 2*	0.25	1.25	0.00	0.00
Use 2-16 breathing rates only	*Phase 3*	0.00	2.00	0.00	0.09
Use 2-16 breathing rates only	*Phase 4*	0.00	0.25	0.00	1.71
Use 2-16 breathing rates only	*Phase 5*	0.00	0.00	0.00	1.37
Use 2-16 breathing rates only	*Phase 6*	0.00	0.00	0.00	1.63
Use 2-16 breathing rates only	*Phase 7*	0.00	0.00	0.00	1.89
Use 2-16 breathing rates only	*Phase 8*	0.00	0.00	0.00	1.84
	QA	0.25	3.50	0.00	8.53

Phase 2 receptors

	3rd trimester	0<2	2<9	2<16
Phase 3	0.25	0.34	0.00	0.00
Phase 4	0.00	1.96	0.00	0.00
Phase 5	0.00	0.00	1.37	0.00
Phase 6	0.00	0.00	1.63	0.00
Phase 7	0.00	0.00	1.89	0.00
Phase 8	0.00	0.00	1.84	0.00
QA	0.25	2.30	6.73	0.00

Phase 3 receptors

	3rd trimester	0<2	2<9	2<16
Phase 4	0.25	1.46	0.00	0.00
Phase 5	0.00	0.00	1.37	0.00
Phase 6	0.00	0.00	1.63	0.00
Phase 7	0.00	0.00	1.89	0.00
Phase 8	0.00	0.00	1.84	0.00
QA	0.25	1.46	6.73	0.00

Phase 4 receptors

	3rd trimester	0<2	2<9	2<16
Phase 5	0.25	1.12	0.00	0.00
Phase 6	0.00	0.00	1.63	0.00
Phase 7	0.00	0.00	1.89	0.00
Phase 8	0.00	0.00	1.84	0.00
QA	0.25	1.12	5.36	0.00

Phase 5 receptors

	3rd trimester	0<2	2<9	2<16
Phase 6	0.25	1.38	0.00	0.00
Phase 7	0.00	0.00	1.89	0.00
Phase 8	0.00	0.00	1.84	0.00
QA	0.25	1.38	3.73	0.00

Phase 6 receptors

	3rd trimester	0<2	2<9	2<16
Phase 7	0.25	1.64	0.00	0.00
Phase 8	0.00	0.00	1.84	0.00
QA	0.25	1.64	1.84	0.00

Phase 7 receptors

	3rd trimester	0<2	2<9	2<16
Phase 8	0.25	1.59	0.00	0.00
QA	0.25	1.59	0.00	0.00

Construction Phase Overlap

Year	Phase Overlap 1	2	3	4	5	6	7	8
2017	X	X						
2018	X	X	X					
2019		X	X					
2020		X	X	X				
2021				X				
2022				X				
2023					X			
2024					X	X		
2025						X		
2026						X	X	
2027							X	
2028							X	X
2029								X
2030								X

Days for HRA

Phase	Start
1	2/21/2017
2	1/2/2017
3	12/3/2018
4	10/5/2020
5	1/23/2023
6	10/7/2024
7	10/15/2026
8	10/2/2028

Phase	Start	End	Workdays by year 2017 1/1/2017 12/31/2017	2018 1/1/2018 12/31/2018	2019 1/1/2019 12/31/2019	2020 1/1/2020 12/31/2020	2021 1/1/2021 12/31/2021	2022 1/1/2022 12/31/2022	2023 1/1/2023 12/31/2023	2024 1/1/2024 12/31/2024	2025 1/1/2025 12/31/2025	2030 1/1/2030 12/31/2030			
1	2/21/2017	12/3/2018	224	241	0	0	0	0	0	0	0	0	465	0	
2	1/2/2017	6/1/2020	260	261	261	109	0	0	0	0	0	0	891	0	
3	12/3/2018	12/31/2020	0	21	261	262	0	0	0	0	0	0	544	0	-241
4	10/5/2020	9/15/2022	0	0	0	64	261	184	0	0	0	0	509	0	
5	1/23/2023	6/1/2024	0	0	0	0	0	0	245	110	0	0	355	0	
6	10/7/2024	5/20/2026	0	0	0	0	0	0	0	62	261	0	423	0	
7	10/15/2026	9/1/2028	0	0	0	0	0	0	0	0	0	0	492	0	
8	10/2/2028	8/1/2030	0	0	0	0	0	0	0	0	0	153	479	0	

WORKDAYS OF EXPOSURE

Offsite receptors (residents)

	3rd trimester	0<2	2<9	2<16
1	65	400		0
2		521		370
3		21		523
4		0		509
5		0		355
6		0		423
7		0		492
8		0		479

Offsite receptors (schools, parks)

	3rd trimester	0<2	2<9	2<16
1		465		0
2		521		370
3		21		523
4		0		509
5		0		355
6		0		423
7		0		492
8		0		479

Phase 1 re	3rd trimester	0<2	2<9	2<16			
2	65	325			390	2	0.25
3		520		24	544	3	0.00
4		64		445	509	4	0.00
5				355	355	5	0.00
6				423	423	6	0.00
7				492	492	7	0.00
8				479	479	8	0.00

Phase 2 re	3rd trimester	0<2	2<9	2<16			
3	65	88			153	3	0.25
4		509			509	4	0.00
5			355		355	5	0.00
6			423		423	6	0.00
7			492		492	7	0.00
8			479		479	8	0.00

Phase 3 re	3rd trimester	0<2	2<9	2<16			
4	65	380			445	4	0.25
5			355		355	5	0.00
6			423		423	6	0.00
7			492		492	7	0.00
8			479		479	8	0.00

Phase 4 re	3rd trimester	0<2	2<9	2<16			
5	65	290			355	5	0.25
6			423		423	6	0.00
7			492		492	7	0.00
8			479		479	8	0.00

Phase 5 re	3rd trimester	0<2	2<9	2<16			
6	65	358			423	6	0.25
7			492		492	7	0.00
8			479		479	8	0.00

Phase 6 re	3rd trimester	0<2	2<9	2<16			
7	65	427			492	7	0.25
8			479		479	8	0.00

Phase 7 re	3rd trimester	0<2	2<9	2<16			
8	65	414			479	8	0.25

YEARS OF EXPOSURE 260 workdays per year

Offsite receptors (residents)

	3rd trimester 0<2		2<9	2<16
1	0.25	1.54	0.00	0.00
2	0.00	2.00	0.00	1.42
3	0.00	0.08	0.00	2.01
4	0.00	0.00	0.00	1.96
5	0.00	0.00	0.00	1.37
6	0.00	0.00	0.00	1.63
7	0.00	0.00	0.00	1.89
8	0.00	0.00	0.00	1.84

Offsite receptors (schools, parks)

	3rd trimester 0<2		2<9	2<16
1	0.00	1.79	0.00	0.00
2	0.00	2.00	0.00	1.42
3	0.00	0.08	0.00	2.01
4	0.00	0.00	0.00	1.96
5	0.00	0.00	0.00	1.37
6	0.00	0.00	0.00	1.63
7	0.00	0.00	0.00	1.89
8	0.00	0.00	0.00	1.84

Phase 1 recej	3rd trimester 0<2		2<9	2<16
2	0.25	1.25	0.00	0.00
3	0.00	2.00	0.00	0.09
4	0.00	0.25	0.00	1.71
5	0.00	0.00	0.00	1.37
6	0.00	0.00	0.00	1.63
7	0.00	0.00	0.00	1.89
8	0.00	0.00	0.00	1.84

Phase 2 recej	3rd trimester 0<2		2<9	2<16
3	0.25	0.34	0.00	0.00
4	0.00	1.96	0.00	0.00
5	0.00	0.00	1.37	0.00
6	0.00	0.00	1.63	0.00
7	0.00	0.00	1.89	0.00
8	0.00	0.00	1.84	0.00

Phase 3 recej	3rd trimester 0<2		2<9	2<16
4	0.25	1.46	0.00	0.00
5	0.00	0.00	1.37	0.00
6	0.00	0.00	1.63	0.00
7	0.00	0.00	1.89	0.00
8	0.00	0.00	1.84	0.00

Phase 4 recej	3rd trimester 0<2		2<9	2<16
5	0.25	1.12	0.00	0.00
6	0.00	0.00	1.63	0.00
7	0.00	0.00	1.89	0.00
8	0.00	0.00	1.84	0.00

Phase 5 recej	3rd trimester 0<2		2<9	2<16
6	0.25	1.38	0.00	0.00
7	0.00	0.00	1.89	0.00
8	0.00	0.00	1.84	0.00

Phase 6 recej	3rd trimester 0<2		2<9	2<16
7	0.25	1.64	0.00	0.00
8	0.00	0.00	1.84	0.00

Phase 7 recej	3rd trimester 0<2		2<9	2<16
8	0.25	1.59	0.00	0.00

Receptor	Phase	TOTAL Days Exposure Original	New
Phase 1	Phase 2	891	390
	Phase 3	544	544
	Phase 4	509	509
	Phase 5	355	355
	Phase 6	423	423
	Phase 7	492	492
	Phase 8	479	479
Phase 2	Phase 3	544	153
	Phase 4	509	509
	Phase 5	355	355
	Phase 6	423	423
	Phase 7	492	492
	Phase 8	479	479
Phase 3	Phase 4	509	445
	Phase 5	355	355
	Phase 6	423	423
	Phase 7	492	492
	Phase 8	479	479
Phase 4	Phase 5	355	355
	Phase 6	423	423
	Phase 7	492	492
	Phase 8	479	479
Phase 5	Phase 6	423	423
	Phase 7	492	492
	Phase 8	479	479
Phase 6	Phase 7	492	492
	Phase 8	479	479
Phase 7	Phase 8	479	479

Receptor	Phase	Days Exposure Original 0<2	2<9	2<16	TOTAL	New 0<2	2<9	2<16	TOTAL
Phase 1	Phase 2	456	0	370	826	325	0	0	325
	Phase 3	21	0	523	544	520	0	24	544
	Phase 4	0	0	509	509	64	0	445	509
	Phase 5	0	0	355	355	0	0	355	355
	Phase 6	0	0	423	423	0	0	423	423
	Phase 7	0	0	492	492	0	0	492	492
	Phase 8	0	0	479	479	0	0	479	479
Phase 2	Phase 3	217	262	0	479	88	0	0	88
	Phase 4	0	509	0	509	509	0	0	509
	Phase 5	0	355	0	355	0	355	0	355
	Phase 6	0	423	0	423	0	423	0	423
	Phase 7	0	492	0	492	0	492	0	492
	Phase 8	0	479	0	479	0	479	0	479
Phase 3	Phase 4	260	184	0	444	380	0	0	380
	Phase 5	0	355	0	355	0	355	0	355
	Phase 6	0	423	0	423	0	423	0	423
	Phase 7	0	492	0	492	0	492	0	492
	Phase 8	0	479	0	479	0	479	0	479
Phase 4	Phase 5	290	0	0	290	290	0	0	290
	Phase 6	0	423	0	423	0	423	0	423
	Phase 7	0	492	0	492	0	492	0	492
	Phase 8	0	479	0	479	0	479	0	479
Phase 5	Phase 6	258	100	0	358	358	0	0	358
	Phase 7	0	492	0	492	0	492	0	492
	Phase 8	0	479	0	479	0	479	0	479
Phase 6	Phase 7	252	175	0	427	427	0	0	427
	Phase 8	0	479	0	479	0	479	0	479
Phase 7	Phase 8	261	153	0	414	414	0	0	414

Construction HRA

Construction Emissions and Emission Rates											DPM Emission Rate Per Volume Source (g/s)		PM2.5 Dust Emission Rate per Area Source (g/s-m2)	
Phase	Unmitigated DPM* Emissions (tons)	Mitigated DPM* Emissions (tons)	Unmitigated PM2.5 Dust Emissions (tons)	Mitigated PM2.5 Dust Emissions (tons)	Unmitigated PM2.5 Exhaust Emissions (tons)	Mitigated PM2.5 Exhaust Emissions (tons)	Hours/day	Total days/phase	Area in AERMOD (m2)	# of sources	Unmitigated	Mitigated	Unmitigated	Mitigated
1	0.173	0.017	0.001	0.001	0.160	0.016	24	650	49532.7	126	2.22E-05	2.20E-06	3.15E-10	2.04E-10
2	0.761	0.069	0.005	0.002	0.701	0.062	24	1246	172254.7	432	1.48E-05	1.34E-06	2.48E-10	1.21E-10
3	0.114	0.012	0.000	0.000	0.107	0.010	24	759	115810.7	287	5.51E-06	5.84E-07	0.00E+00	0.00E+00
4	0.163	0.019	0.002	0.001	0.152	0.016	24	710	78442.7	194	1.24E-05	1.46E-06	4.66E-10	2.66E-10
5	0.078	0.013	0.002	0.001	0.074	0.009	24	495	112775.2	331	5.01E-06	8.44E-07	3.92E-10	1.13E-10
6	0.148	0.020	0.002	0.001	0.138	0.014	24	590	255005.4	637	4.13E-06	5.45E-07	1.51E-10	4.16E-11
7	0.099	0.015	0.002	0.000	0.092	0.010	24	687	78546.5	195	7.74E-06	1.18E-06	3.02E-10	8.76E-11
8	0.067	0.014	0.002	0.001	0.063	0.008	24	668	81364.5	203	5.18E-06	1.07E-06	3.98E-10	1.12E-10
*DPM emissions are assum	1.603									11	12		14	

AERMOD entries = BLUE

7.70E-05

Second per hour		3600
Grams per ton		907185
Million		1,000,000
m2 per acre		4046.86

465
891
544
509
355
423
492
479

AERMOD inputs - DPM

	input	metric	
emissions rate	--	g/s	varies by phase, see below
Source Type	Area		
source release height	5.00	m	ENVIRON guidance
larger side length	--	m	varies by parcel
smaller side length	--	m	varies by parcel
initial vertical dimension	1.40	m	ENVIRON guidance
Urban or Rural	U		
Urban Area Population	120,245		City of Santa Clara Pop

AERMOD inputs - PM2.5 Dust

	input	metric	
emissions rate	--	g/s	varies by phase, see below
Source Type	Area		
source release height	0.00	m	ground level, per SCAQMD's LST Methodology
larger side length	--	m	varies by parcel
smaller side length	--	m	varies by parcel
initial vertical dimension	1.00	m	per SCAQMD's LST Methodology
Urban or Rural	U		
Urban Area Population	120,245		City of Santa Clara Pop

Scaling Factors for Concentrations by source				
Phase	Name	Unitized Rate	Actual Rate	Scaling Factor
DPM		g/s		
1	P1V_001	0.007936508	2.21995E-05	0.0028
2	P2V_001	0.002314815	1.48368E-05	0.0064
3	P3V_126	0.003484321	5.51199E-06	0.0016
4	P4V_070	0.005154639	1.24366E-05	0.0024
5	P5V_127	0.003021148	5.00866E-06	0.0017
6	P6V_067	0.001569859	4.13409E-06	0.0026
7	P7V_185	0.005128205	7.7365E-06	0.0015
8	P8V_004	0.004926108	5.1835E-06	0.0011
PM2.5 Dust		g/s-m2		
1	PHASE1	1.0	3.14775E-10	3.15E-10
2	PHASE2	1.0	2.47605E-10	2.48E-10
3	PHASE4	1.0	0	0.00E+00
4	PHASE3	1.0	4.65769E-10	4.66E-10
5	PHASE5	1.0	3.91692E-10	3.92E-10
6	PHASE7	1.0	1.50969E-10	1.51E-10
7	PHASE8	1.0	3.01981E-10	3.02E-10
8	PHASE6	1.0	3.98359E-10	3.98E-10

Operational Health Risk Assessment Sheets

City Place Roadway TOG, DPM, and PM2.5 Emission Calculations

Peak Hour, Daily, and Annual Volumes

Scenario	Annual Scalar Days	
2040 Cumulative Without Proj	347	*From 2008 ARB Scoping Plan, Appendix II, Page I-19*
2040 Project Only	312	*Project-specific conversion factor calculated below.*

	Roadway lengths (from AERMOD)	
	m	mi
Tasman	2381.70	1.48
Lafayette	3661.20	2.27
Great Am	1966.20	1.22
SR237	2221.90	1.38

Cumulative Volumes

All vehicles	AM Peak	PM Peak	Daily Scalar	ADT	Annual Vols
2040 Cumulative + Project					
Tasman	4,547	5,140	19%	50,982	17,232,695
Lafayette	2,251	2,771	19%	26,435	8,771,714
Great Am	4,031	4,498	14%	60,921	20,405,977
SR237	16,601	13,858	14%	217,564	74,669,710
2040 Cumulative Without Project					
All vehicles	**AM Peak**	**PM Peak**	**Daily Scalar**	**ADT**	**Annual Vols**
Tasman	3,344	3,879	19%	38,015	13,191,218
Lafayette	1,125	1,740	19%	15,079	5,232,395
Great Am	2,694	2,929	14%	40,163	13,936,653
SR237	15,177	12,013	14%	194,214	67,392,357
2040 Cumulative + Project					
Gas Vehicles	**AM Peak**	**PM Peak**	**Daily Scalar**	**ADT**	**Annual Vols**
Tasman	3,943	4,458	19%	44,217	14,945,872
Lafayette	1,953	2,403	19%	22,927	7,607,685
Great Am	3,496	3,901	14%	52,836	17,698,051
SR237	14,398	12,019	14%	188,693	64,760,848
2040 Cumulative + Project					
Diesel Vehicles	**AM Peak**	**PM Peak**	**Daily Scalar**	**ADT**	**Annual Vols**
Tasman	262	296	19%	2,933	991,249
Lafayette	130	159	19%	1,521	504,562
Great Am	232	259	14%	3,504	1,173,781
SR237	955	797	14%	12,515	4,295,109
2040 Cumulative Without Project					
Gas Vehicles	**AM Peak**	**PM Peak**	**Daily Scalar**	**ADT**	**Annual Vols**
Tasman	2,900	3,364	19%	32,970	11,440,710
Lafayette	976	1,509	19%	13,078	4,538,043
Great Am	2,337	2,540	14%	34,833	12,087,223
SR237	13,163	10,419	14%	168,442	58,449,218
2040 Cumulative Without Project					
Diesel Vehicles	**AM Peak**	**PM Peak**	**Daily Scalar**	**ADT**	**Annual Vols**
Tasman	192	223	19%	2,187	758,778
Lafayette	65	100	19%	867	300,975
Great Am	155	168	14%	2,310	801,656
SR237	873	691	14%	11,171	3,876,505

Project Volumes

All vehicles	AM Peak	PM Peak	Daily Scalar	ADT	Annual Vols
Project Only					
Tasman	1,202	1,261	19%	12,967	4,041,477
Lafayette	1,126	1,031	19%	11,356	3,539,319
Great Am	1,337	1,569	14%	20,757	6,469,323
SR237	1,424	1,845	14%	23,350	7,277,353
Project Only					
All Vehicles	**AM Peak**	**PM Peak**	**Daily Scalar**	**ADT**	**Annual Vols**
Tasman	1,677	2,397	19%	21,444	6,683,200
Lafayette	907	1,227	19%	11,232	3,500,478
Great Am	2,269	2,280	14%	32,496	10,127,806
SR237	14,640	12,084	14%	190,886	59,492,193
Project Only					
Gas Vehicles	**AM Peak**	**PM Peak**	**Daily Scalar**	**ADT**	**Annual Vols**
Tasman	1,043	1,094	19%	11,247	3,505,162
Lafayette	977	894	19%	9,849	3,069,642
Great Am	1,159	1,361	14%	18,003	5,610,828
SR237	1,235	1,600	14%	20,251	6,311,629
Project Only					
Diesel Vehicles	**AM Peak**	**PM Peak**	**Daily Scalar**	**ADT**	**Annual Vols**
Tasman	69	73	19%	746	232,472
Lafayette	65	59	19%	653	203,587
Great Am	77	90	14%	1,194	372,125
SR237	82	106	14%	1,343	418,604
2020 Near Term No Project					
Gas Vehicles	**AM Peak**	**PM Peak**	**Daily Scalar**	**ADT**	**Annual Vols**
Tasman	1,455	2,079	19%	18,598	5,796,322
Lafayette	787	1,064	19%	9,741	3,035,956
Great Am	1,968	1,978	14%	28,184	8,783,820
SR237	12,697	10,480	14%	165,555	51,597,426
2020 Near Term No Project					
Diesel Vehicles	**AM Peak**	**PM Peak**	**Daily Scalar**	**ADT**	**Annual Vols**
Tasman	96	138	19%	1,233	384,427
Lafayette	52	71	19%	646	201,353
Great Am	131	131	14%	1,869	582,566
SR237	842	695	14%	10,980	3,422,077

Emission Calcs - Mass Emissions - Cumulative With Project

Segment	Mi/Segment	Peak hour VMT_Gas	Peak Hour TOG (grams)	Annual VMT - Gas	Annual TOG (grams)	Annual VMT - Diesel	Annual DPM (grams)	Total VMT - all vehicles	Annual PM2.5 exhaust (grams)	Annual PM2.5 dust (grams)	Cumulative grams per secondScaling Factors for AERMOD unitized concentrations: Max Hourly TOG	Annual TOG	Annual DPM	PM2.5 (exhaust + dust)
Tasman	1.48	6,597	146	22,118,684	490,096	1,466,969	7,686	25,502,998	7,353	1,151,170	0.04061	0.0155	0.000244	0.03674
Lafayette	2.27	5,468	121	17,307,205	383,485	1,147,859	6,014	19,955,328	5,754	900,756	0.03365	0.0122	0.000191	0.02875
Great Am	1.22	4,766	106	21,622,411	479,100	1,434,055	7,513	24,930,791	7,188	1,125,341	0.02933	0.0152	0.000238	0.03591
SR237	1.38	19,878	440	89,410,395	1,981,116	5,929,932	31,067	103,090,811	29,723	3,736,478	0.12235	0.0628	0.000985	0.11943

Emission Calcs - Mass Emissions - Cumulative Without Project

Segment	Mi/Segment	Peak hour VMT_Gas	Peak Hour TOG (grams)	Annual VMT - Gas	Annual TOG (grams)	Annual VMT - Diesel	Annual DPM (grams)	Total VMT - all vehicles	Annual PM2.5 exhaust (grams)	Annual PM2.5 dust (grams)	Background grams per secondScaling Factors for AERMOD unitized: Max Hourly TOG	Annual TOG	Annual DPM	PM2.5 (exhaust + dust)
Tasman	1.48	4,978	110	16,931,327	375,157	1,122,930	5,883	19,521,938	5,629	881,193	0.03064	0.0119	0.000187	0.02812
Lafayette	2.27	3,433	76	10,323,881	228,752	684,707	3,587	11,903,507	3,432	537,308	0.02113	0.0073	0.000114	0.01715
Great Am	1.22	3,103	69	14,767,440	327,210	979,415	5,131	17,026,962	4,909	768,573	0.01910	0.0104	0.000163	0.02453
SR237	1.38	18,173	403	80,696,406	1,788,035	5,351,997	28,039	93,043,521	26,826	3,372,319	0.11185	0.0567	0.000889	0.10779

Emission Calcs - Mass Emissions -Project Only

Segment	Mi/Segment	Peak hour VMT_Gas	Peak Hour TOG (grams)	Annual VMT - Gas	Annual TOG (grams)	Annual VMT - Diesel	Annual DPM (grams)	Total VMT - all vehicles	Annual PM2.5 exhaust (grams)	Annual PM2.5 dust (grams)	Project Only grams per secondScaling Factors for AERMOD unitized concentrations: Max Hourly TOG	Annual TOG	Annual DPM	PM2.5 (exhaust + dust)
Tasman	1.48	1,619	42	5,187,357	135,321	344,039	3,004	5,981,059	2,874	269,977	0.01173	0.0043	0.000095	0.00865
Lafayette	2.27	2,223	58	6,983,324	182,172	463,152	4,044	8,051,821	3,869	363,448	0.01611	0.0058	0.000128	0.01165
Great Am	1.22	1,663	43	6,854,971	178,824	454,640	3,969	7,903,829	3,798	356,768	0.01205	0.0057	0.000126	0.01143
SR237	1.38	2,209	58	8,713,988	227,319	577,935	5,046	10,047,290	4,828	364,159	0.01601	0.0072	0.000160	0.01170

Emission Calcs - Mass Emissions -Near Term No Project

Segment	Mi/Segment	Peak hour VMT_Gas	Peak Hour TOG (grams)	Annual VMT - Gas	Annual TOG (grams)	Annual VMT - Diesel	Annual DPM (grams)	Total VMT - all vehicles	Annual PM2.5 exhaust (grams)	Annual PM2.5 dust (grams)	Near Term No Project grams per second Scaling Factors for AERMOD unitized: Max Hourly TOG	Annual TOG	Annual DPM	PM2.5 (exhaust + dust)
Tasman	1.48	3,077	80	8,578,089	223,774	568,921	4,967	9,890,596	4,752	446,448	0.02229	0.0071	0.000158	0.01431
Lafayette	2.27	2,420	63	6,906,688	180,173	458,070	3,999	7,963,460	3,826	359,459	0.01754	0.0057	0.000127	0.01152
Great Am	1.22	2,416	63	10,731,541	279,951	711,744	6,214	12,373,542	5,945	558,524	0.01751	0.0089	0.000197	0.01790
SR237	1.38	17,530	457	71,236,656	1,858,330	4,724,602	41,250	82,136,362	39,466	2,976,994	0.12703	0.0589	0.001308	0.09565

sec/day	*86400*
sec/hr	*3600*
days/yr	*365*
m per mi	*1609.34*

EMFAC - 2030	g/mi 2030 - Project	g/mi 2040 - Cumulative	% of VMT	
Gas Tog	0.0261	0.0222	86.730%	
Dsl PM10e	0.0087	0.0052	5.752%	
PM2.5d road, brake, tire	0.0362		on SR237	freeway silt loading; EMFAC average brake and tire wear
	0.0451		all other roads	local road silt loading; EMFAC average brake and tire wear
PM2.5e/DPM ratio	0.9567			EMFAC diesel exhaust PM2.5/PM10 ratio

Method:

EMFAC 2014, Santa Clara County, Calendar Year 2030&2040, Annual Average, aggregated speec
DPM based on weighted average of all diesel fuel vehicles, weighted by VMT
TOG based on weighted average of all gas fuel vehicles, weighted by VMT
% VMT based the sum of aall gas and diesel VMT relative to countywide VMT. Countywide VMT used for P2.5 Dust

Project Level Scalar - Weekday/Weekend conversions for annual ADT

	Weekday	No game weekend/Saturday	Game weekend/Sunday	Week total	Annual Total	Ratio	
Scheme A ADT	123,040	77,870	30,880	231,790		0.530825316	*unmitigated scenario*
Scheme B ADT	140,730	81,510	32,710	254,950		0.551990586	*unmitigated scenario*
days	260.0	52.5	52.5				
Annual	31990400	4088175	1621200	37,699,775		0.848556788	
	36589800	4279275	1717275	42,586,350		0.859190797	
						0.853873793	
						312	

Roadway HRA
Project Contribution

City Place Roadway HRA - DPM

Truck g/s	Annual Average DPM (g/s) - Scaling Factor
Tasman	0.000095
Lafayette	0.000128
Great Am	0.000126
SR237	0.000160

Annual DPM (g/s) - Scaling Factor	
0.01047	99%
0.00970	99%
0.00756	98%
0.03151	99%
(OLD)	

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								CHRONIC HAZARD QUOTIENT
			Tasman	Lafayette	Great Am	SR237			3rd trimester	0<2	2<9	2<16	16<30	16-70	rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	
offsite	589514.99	4139264.85	0.05088	0.05261	0.06785	0.02777	2.45759E-05	Residential	8.51E-09	2.57E-08	1.49E-08	1.35E-08	6.15E-09	5.49E-09	3.3E-10	8.1E-09	0.0E+00	8.9E-09	0.0E+00	4.7E-09	2.20E-08	0	4.92E-06
offsite	589614.99	4139264.85	0.05251	0.05453	0.07232	0.02872	2.5692E-05	Residential	8.89E-09	2.69E-08	1.55E-08	1.41E-08	6.43E-09	5.74E-09	3.5E-10	8.4E-09	0.0E+00	9.3E-09	0.0E+00	4.9E-09	2.30E-08	0	5.14E-06
offsite	591314.99	4139264.85	0.2687	0.20607	0.38608	0.06837	0.000111552	Residential	3.86E-08	1.17E-07	6.75E-08	6.12E-08	2.79E-08	2.49E-08	1.5E-09	3.7E-08	0.0E+00	4.0E-08	0.0E+00	2.1E-08	9.97E-08	0	2.23E-05
offsite	591414.99	4139264.85	0.27804	0.24712	0.36442	0.07198	0.000115557	Residential	4.00E-08	1.21E-07	6.99E-08	6.34E-08	2.89E-08	2.58E-08	1.6E-09	3.8E-08	0.0E+00	4.2E-08	0.0E+00	2.2E-08	1.03E-07	0	2.31E-05
offsite	591514.99	4139264.85	0.28462	0.30485	0.34343	0.07557	0.000121519	Residential	4.21E-08	1.27E-07	7.35E-08	6.67E-08	3.04E-08	2.72E-08	1.7E-09	4.0E-08	0.0E+00	4.4E-08	0.0E+00	2.3E-08	1.09E-07	0	2.43E-05
offsite	591614.99	4139264.85	0.28878	0.38998	0.32349	0.07909	0.000130884	Residential	4.53E-08	1.37E-07	7.92E-08	7.18E-08	3.28E-08	2.92E-08	1.8E-09	4.3E-08	0.0E+00	4.7E-08	0.0E+00	2.5E-08	1.17E-07	0	2.62E-05
offsite	591714.99	4139264.85	0.29081	0.52306	0.30474	0.08259	0.000146342	Residential	5.07E-08	1.53E-07	8.85E-08	8.03E-08	3.66E-08	3.27E-08	2.0E-09	4.8E-08	0.0E+00	5.3E-08	0.0E+00	2.8E-08	1.31E-07	0	2.93E-05
offsite	591814.99	4139264.85	0.29112	0.75006	0.28726	0.08602	0.000173828	Residential	6.02E-08	1.82E-07	1.05E-07	9.53E-08	4.35E-08	3.88E-08	2.4E-09	5.7E-08	0.0E+00	6.3E-08	0.0E+00	3.3E-08	1.55E-07	0	3.48E-05
offsite	591914.99	4139264.85	0.29007	1.19573	0.27098	0.08937	0.000229361	Residential	7.94E-08	2.40E-07	1.39E-07	1.26E-07	5.74E-08	5.12E-08	3.1E-09	7.5E-08	0.0E+00	8.3E-08	0.0E+00	4.3E-08	2.05E-07	0	4.59E-05
offsite	592014.99	4139264.85	0.2879	2.39111	0.25587	0.09256	0.000381043	Residential	1.32E-07	3.98E-07	2.31E-07	2.09E-07	9.54E-08	8.51E-08	5.2E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.41E-07	0	7.62E-05
offsite	592214.99	4139264.85	0.28099	4.09509	0.22881	0.09839	0.000596407	Residential	2.06E-07	6.23E-07	3.61E-07	3.27E-07	1.49E-07	1.33E-07	8.1E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.1E-07	5.33E-07	1	1.19E-04
offsite	592314.99	4139264.85	0.27645	1.88998	0.21675	0.10098	0.000312117	Residential	1.08E-07	3.26E-07	1.89E-07	1.71E-07	7.81E-08	6.97E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.79E-07	0	6.24E-05
offsite	592414.99	4139264.85	0.2713	1.20418	0.20553	0.1034	0.000222664	Residential	7.71E-08	2.33E-07	1.35E-07	1.22E-07	5.57E-08	4.97E-08	3.0E-09	7.3E-08	0.0E+00	8.1E-08	0.0E+00	4.2E-08	1.99E-07	0	4.45E-05
offsite	592514.99	4139264.85	0.2656	0.87457	0.19506	0.10569	0.000178904	Residential	6.19E-08	1.87E-07	1.08E-07	9.81E-08	4.48E-08	4.00E-08	2.4E-09	5.9E-08	0.0E+00	6.5E-08	0.0E+00	3.4E-08	1.60E-07	0	3.58E-05
offsite	592614.99	4139264.85	0.25938	0.68363	0.18535	0.10776	0.000152937	Residential	5.29E-08	1.60E-07	9.25E-08	8.39E-08	3.83E-08	3.42E-08	2.1E-09	5.0E-08	0.0E+00	5.5E-08	0.0E+00	2.9E-08	1.37E-07	0	3.06E-05
offsite	592714.99	4139264.85	0.2527	0.5596	0.17633	0.10956	0.00013555	Residential	4.69E-08	1.42E-07	8.20E-08	7.43E-08	3.39E-08	3.03E-08	1.8E-09	4.5E-08	0.0E+00	4.9E-08	0.0E+00	2.6E-08	1.21E-07	0	2.71E-05
offsite	592814.99	4139264.85	0.24562	0.47236	0.1679	0.11113	0.000122879	Residential	4.25E-08	1.28E-07	7.44E-08	6.74E-08	3.08E-08	2.75E-08	1.7E-09	4.0E-08	0.0E+00	4.4E-08	0.0E+00	2.3E-08	1.10E-07	0	2.46E-05
offsite	589514.99	4139364.85	0.05643	0.05669	0.07674	0.02857	2.68747E-05	Residential	9.30E-09	2.81E-08	1.63E-08	1.47E-08	6.73E-09	6.00E-09	3.7E-10	8.8E-09	0.0E+00	9.7E-09	0.0E+00	5.1E-09	2.40E-08	0	5.37E-06
offsite	589614.99	4139364.85	0.05833	0.05891	0.08234	0.0296	2.821E-05	Residential	9.77E-09	2.95E-08	1.71E-08	1.55E-08	7.06E-09	6.30E-09	3.8E-10	9.3E-09	0.0E+00	1.0E-08	0.0E+00	5.3E-09	2.52E-08	0	5.64E-06
offsite	591314.99	4139364.85	0.31997	0.25192	0.42834	0.07358	0.000128468	Residential	4.45E-08	1.34E-07	7.77E-08	7.05E-08	3.22E-08	2.87E-08	1.7E-09	4.2E-08	0.0E+00	4.7E-08	0.0E+00	2.4E-08	1.15E-07	0	2.57E-05
offsite	591414.99	4139364.85	0.32752	0.30726	0.39787	0.07747	0.00013307	Residential	4.61E-08	1.39E-07	8.05E-08	7.30E-08	3.33E-08	2.97E-08	1.8E-09	4.4E-08	0.0E+00	4.8E-08	0.0E+00	2.5E-08	1.19E-07	0	2.66E-05
offsite	591514.99	4139364.85	0.33166	0.38617	0.37007	0.08134	0.000140703	Residential	4.87E-08	1.47E-07	8.51E-08	7.72E-08	3.52E-08	3.14E-08	1.9E-09	4.6E-08	0.0E+00	5.1E-08	0.0E+00	2.7E-08	1.26E-07	0	2.81E-05
offsite	591614.99	4139364.85	0.33292	0.50452	0.34488	0.0851	0.00015343	Residential	5.31E-08	1.60E-07	9.28E-08	8.42E-08	3.84E-08	3.43E-08	2.1E-09	5.0E-08	0.0E+00	5.6E-08	0.0E+00	2.9E-08	1.37E-07	0	3.07E-05
offsite	591714.99	4139364.85	0.33191	0.69354	0.322	0.0888	0.000175283	Residential	6.07E-08	1.83E-07	1.06E-07	9.61E-08	4.39E-08	3.92E-08	2.4E-09	5.8E-08	0.0E+00	6.3E-08	0.0E+00	3.3E-08	1.57E-07	0	3.51E-05
offsite	591814.99	4139364.85	0.32913	1.02971	0.30126	0.09239	0.000216088	Residential	7.48E-08	2.26E-07	1.31E-07	1.19E-07	5.41E-08	4.83E-08	2.9E-09	7.1E-08	0.0E+00	7.8E-08	0.0E+00	4.1E-08	1.93E-07	0	4.32E-05
offsite	591914.99	4139364.85	0.32514	1.7639	0.28236	0.09588	0.00030803	Residential	1.07E-07	3.22E-07	1.86E-07	1.69E-07	7.71E-08	6.88E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.75E-07	0	6.16E-05
offsite	592014.99	4139364.85	0.32024	4.79237	0.26509	0.09921	0.000694253	Residential	2.40E-07	7.26E-07	4.20E-07	3.81E-07	1.74E-07	1.55E-07	9.4E-09	2.3E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.20E-07	1	1.39E-04
offsite	592114.99	4139364.85	0.31461	8.53549	0.24931	0.10233	0.001172197	Residential	4.06E-07	1.23E-06	7.09E-07	6.43E-07	2.93E-07	2.62E-07	1.6E-08	3.9E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.05E-06	1	2.34E-04
offsite	592214.99	4139364.85	0.30837	2.58775	0.23485	0.10521	0.000407585	Residential	1.41E-07	4.26E-07	2.47E-07	2.24E-07	1.02E-07	9.11E-08	5.5E-09	1.3E-07	0.0E+00	1.5E-07	0.0E+00	7.7E-08	3.64E-07	0	8.15E-05
offsite	592314.99	4139364.85	0.3016	1.50271	0.22162	0.10782	0.000266562	Residential	9.23E-08	2.79E-07	1.61E-07	1.46E-07	6.67E-08	5.96E-08	3.6E-09	8.8E-08	0.0E+00	9.6E-08	0.0E+00	5.1E-08	2.38E-07	0	5.33E-05
offsite	592414.99	4139364.85	0.29436	1.04274	0.20942	0.11025	0.000205745	Residential	7.12E-08	2.15E-07	1.24E-07	1.13E-07	5.15E-08	4.60E-08	2.8E-09	6.8E-08	0.0E+00	7.4E-08	0.0E+00	3.9E-08	1.84E-07	0	4.11E-05
offsite	592514.99	4139364.85	0.28666	0.79215	0.19818	0.11247	0.000171819	Residential	5.95E-08	1.80E-07	1.04E-07	9.42E-08	4.30E-08	3.84E-08	2.3E-09	5.6E-08	0.0E+00	6.2E-08	0.0E+00	3.3E-08	1.54E-07	0	3.44E-05
offsite	592614.99	4139364.85	0.27854	0.63556	0.18778	0.11449	0.000149981	Residential	5.19E-08	1.57E-07	9.07E-08	8.23E-08	3.75E-08	3.35E-08	2.0E-09	4.9E-08	0.0E+00	5.4E-08	0.0E+00	2.8E-08	1.34E-07	0	3.00E-05
offsite	592714.99	4139364.85	0.27005	0.52875	0.17815	0.11625	0.000134546	Residential	4.66E-08	1.41E-07	8.14E-08	7.38E-08	3.37E-08	3.01E-08	1.8E-09	4.4E-08	0.0E+00	4.9E-08	0.0E+00	2.6E-08	1.20E-07	0	2.69E-05
offsite	592814.99	4139364.85	0.26122	0.45129	0.16921	0.1178	0.000122895	Residential	4.25E-08	1.28E-07	7.44E-08	6.74E-08	3.08E-08	2.75E-08	1.7E-09	4.0E-08	0.0E+00	4.4E-08	0.0E+00	2.3E-08	1.10E-07	0	2.46E-05
offsite	589514.99	4139464.85	0.06327	0.06126	0.08849	0.02945	2.97319E-05	Residential	1.03E-08	3.11E-08	1.80E-08	1.63E-08	7.44E-09	6.64E-09	4.0E-10	9.8E-09	0.0E+00	1.1E-08	0.0E+00	5.6E-09	2.66E-08	0	5.95E-06
offsite	589614.99	4139464.85	0.06564	0.06384	0.09592	0.03054	3.13981E-05	Residential	1.09E-08	3.28E-08	1.90E-08	1.72E-08	7.86E-09	7.02E-09	4.3E-10	1.0E-08	0.0E+00	1.1E-08	0.0E+00	6.0E-09	2.81E-08	0	6.28E-06
offsite	591314.99	4139464.85	0.38475	0.30664	0.46849	0.07954	0.000147662	Residential	5.11E-08	1.54E-07	8.93E-08	8.10E-08	3.70E-08	3.30E-08	2.0E-09	4.9E-08	0.0E+00	5.3E-08	0.0E+00	2.8E-08	1.32E-07	0	2.95E-05
offsite	591414.99	4139464.85	0.38848	0.37931	0.42904	0.08372	0.000153039	Residential	5.30E-08	1.60E-07	9.26E-08	8.39E-08	3.83E-08	3.42E-08	2.1E-09	5.0E-08	0.0E+00	5.5E-08	0.0E+00	2.9E-08	1.37E-07	0	3.06E-05
offsite	591514.99	4139464.85	0.38825	0.48412	0.39457	0.08784	0.000162777	Residential	5.63E-08	1.70E-07	9.85E-08	8.93E-08	4.07E-08	3.64E-08	2.2E-09	5.3E-08	0.0E+00	5.9E-08	0.0E+00	3.1E-08	1.45E-07	0	3.26E-05
offsite	591614.99	4139464.85	0.385	0.64356	0.36427	0.09186	0.000179741	Residential	6.22E-08	1.88E-07	1.09E-07	9.86E-08	4.50E-08	4.02E-08	2.4E-09	5.9E-08	0.0E+00	6.5E-08	0.0E+00	3.4E-08	1.61E-07	0	3.59E-05
offsite	591714.99	4139464.85	0.3796	0.9065	0.33742	0.09578	0.00021019	Residential	7.28E-08	2.20E-07	1.27E-07	1.15E-07	5.26E-08	4.70E-08	2.9E-09	6.9E-08	0.0E+00	7.6E-08	0.0E+00	4.0E-08	1.88E-07	0	4.20E-05
offsite	591814.99	4139464.85	0.37271	1.40965	0.31354	0.09958	0.000271653	Residential	9.40E-08	2.84E-07	1.64E-07	1.49E-07	6.80E-08	6.07E-08	3.7E-09	8.9E-08	0.0E+00	9.8E-08	0.0E+00	5.2E-08	2.43E-07	0	5.43E-05
offsite	591914.99	4139464.85	0.36484	2.79447	0.2922	0.10319	0.000446366	Residential	1.55E-07	4.67E-07	2.70E-07	2.45E-07	1.12E-07	9.97E-08	6.1E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.5E-08	3.99E-07	0	8.93E-05
offsite	592114.99	4139464.85	0.34764	3.82616	0.25565	0.10977	0.00057347	Residential	1.99E-07	5.99E-07	3.47E-07	3.15E-07	1.44E-07	1.28E-07	7.8E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.13E-07	1	1.15E-04
offsite	592214.99	4139464.85	0.33854	1.91145	0.23984	0.11273	0.00032557	Residential	1.13E-07	3.40E-07	1.97E-07	1.79E-07	8.15E-08	7.27E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.91E-07	0	6.51E-05
offsite	592314.99	4139464.85	0.32915	1.25168	0.22553	0.11535	0.000238694	Residential	8.26E-08	2.49E-07	1.44E-07	1.31E-07	5.97E-08	5.33E-08	3.2E-09	7.8E-08	0.0E+00	8.6E-08	0.0E+00	4.5E-08	2.13E-07	0	4.77E-05
offsite	592414.99	4139464.85	0.31945	0.92049	0.21244	0.11777	0.000194042	Residential	6.72E-08	2.03E-07	1.17E-07	1.06E-07	4.86E-08	4.34E-08	2.6E-09	6.4E-08	0.0E+00	7.0E-08	0.0E+00	3.7E-08	1.73E-07	0	3.88E-05
offsite	592514.99	4139464.85	0.30943	0.72293	0.20043	0.11999	0.000166599	Residential	5.77E-08	1.74E-07	1.01E-07	9.14E-08	4.17E-08	3.72E-08	2.3E-09	5.5E-08	0.0E+00	6.0E-08	0.0E+00	3.2E-08	1.49E-07	0	3.33E-05
offsite	592614.99	4139464.85	0.29909	0.59192	0.1894	0.12196	0.000147742	Residential	5.11E-08	1.54E-07	8.94E-08	8.10E-08	3.70E-08	3.30E-08	2.0E-09	4.9E-08	0.0E+00	5.3E-08	0.0E+00	2.8E-08	1.32E-07	0	2.95E-05
offsite	592714.99	4139464.85	0.28852	0.49921	0.1793	0.12357	0.000133834	Residential	4.63E-08	1.40E-07	8.10E-08	7.34E-08	3.35E-08	2.99E-08	1.8E-09	4.4E-08	0.0E+00	4.8E-08	0.0E+00	2.5E-08	1.20E-07	0	2.68E-05
offsite	592814.99	4139464.85	0.27768	0.43017	0.16995	0.12496	0.000122994	Residential	4.26E-08	1.29E-07	7.44E-08	6.75E-08	3.08E-08	2.75E-08	1.7E-09	4.0E-08	0.0E+00	4.5E-08	0.0E+00	2.3E-08	1.10E-07	0	2.46E-05
offsite	589514.99	4139564.85	0.07174	0.06637	0.10402	0.03044	3.33071E-05	Residential	1.15E-08	3.48E-08	2.02E-08	1.83E-08	8.34E-09	7.44E-09	4.5E-10	1.1E-08	0.0E+00	1.2E-08	0.0E+00	6.3E-09	2.98E-08	0	6.66E-06
offsite	589614.99	4139564.85	0.07492	0.06936	0.1144	0.0316	3.54855E-05	Residential	1.23E-08	3.71E-08	2.15E-08	1.95E-08	8.88E-09	7.93E-09	4.8E-10	1.2E-08	0.0E+00	1.3E-08	0.0E+00	6.7E-09	3.17E-08	0	7.10E-06
offsite	591314.99	4139564.85	0.46686	0.37064	0.5048	0.0863	0.000169342	Residential	5.86E-08	1.77E-07	1.02E-07	9.29E-08	4.24E-08	3.78E-08	2.3E-09	5.6E-08	0.0E+00	6.1E-08	0.0E+00	3.2E-08	1.51E-07	0	3.39E-05
offsite	591414.99	4139564.85	0.4636	0.46362	0.45689	0.09085	0.000175651	Residential	6.08E-08	1.84E-07	1.06E-07	9.63E-08	4.40E-08	3.92E-08	2.4E-09	5.8E-08	0.0E+00	6.4E-08	0.0E+00	3.3E-08	1.57E-07	0	3.51E-05
offsite	591514.99	4139564.85	0.45636	0.59963	0.41622	0.09526	0.000187988	Residential	6.51E-08	1.96E-07	1.14E-07	1.03E-07	4.70E-08	4.20E-08	2.6E-09	6.2E-08	0.0E+00	6.8E-08	0.0E+00	3.6E-08	1.68E-07	0	3.76E-05
offsite	591614.99	4139564.85	0.4464	0.81202	0.38125	0.09953	0.000210555	Residential	7.29E-08	2.20E-07	1.27E-07	1.15E-07	5.27E-08	4.70E-08	2.9E-09	6.9E-08	0.0E+00	7.6E-08	0.0E+00	4.0E-08	1.88E-07	0	4.21E-05
offsite	591714.99	4139564.85	0.43476	1.18349	0.35086	0.10363	0.000253909	Residential	8.79E-08	2.65E-07	1.54E-07	1.39E-07	6.35E-08	5.67E-08	3.5E-09	8.3E-08	0.0E+00	9.2E-08	0.0E+00	4.8E-08	2.27E-07	0	5.08E-05
offsite	591814.99	4139564.85	0.42238	2.00305	0.32415	0.10758	0.00035509	Residential	1.23E-07	3.71E-07	2.15E-07	1.95E-07	8.89E-08	7.93E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.17E-07	0	7.10E-05
offsite	591914.99	4139564.85	0.40971	5.86446	0.30053	0.11134	0.000846647	Residential	2.93E-07	8.85E-07	5.12E-07	4.64E-07	2.12E-07	1.89E-07	1.2E-08	2.8E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.57E-07	1	1.69E-04
offsite	592014.99	4139564.85	0.39704	7.00855	0.27953	0.11485	0.000990061	Residential	3.43E-07	1.03E-06	5.99E-07	5.43E-07	2.48E-07	2.21E-07	1.3E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.85E-07	1	1.98E-04
offsite	592114.99	4139564.85	0.38448	2.51944	0.26072	0.11807	0.000411389	Residential	1.42E-07	4.30E-07	2.49E-07	2.26E-07	1.03E-07	9.19E-08	5.6E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	7.8E-08	3.68E-07	0	8.23E-05
offsite	592214.99	4139564.85	0.372	1.52225	0.24378	0.12101	0.000280672	Residential	9.72E-08	2.93E-07	1.70E-07	1.54E-07	7.02E-08	6.27E-08	3.8E-09	9.2E-08	0.0E+00	1.0E-07	0.0E+00	5.3E-08	2.51E-07	0	5.61E-05
offsite	592314.99	4139564.85	0.35952	1.07498	0.22847	0.12364	0.000220626	Residential	7.64E-08	2.31E-07	1.33E-07	1.21E-07	5.52E-08	4.93E-08	3.0E-09	7.2E-08	0.0E+00	8.0E-08	0.0E+00	4.2E-08	1.97E-07	0	4.41E-05
offsite	592414.99	4139564.85	0.34691	0.82411	0.21455	0.12605	0.00018589	Residential	6.43E-08	1.94E-07	1.12E-07	1.02E-07	4.65E-08	4.15E-08	2.5E-09	6.1E-08	0.0E+00	6.7E-08	0.0E+00	3.5E-08	1.66E-07	0	3.72E-05
offsite	592514.99	4139564.85	0.33418	0.66382	0.20191	0.12816	0.00016287	Residential	5.64E-08	1.70E-07	9.85E-08	8.93E-08	4.08E-08	3.64E-08	2.2E-09	5.4E-08	0.0E+00	5.9E-08	0.0E+00	3.1E-08	1.46E-07	0	3.26E-05
offsite	592614.99	4139564.85	0.32129	0.5526	0.19037	0.13	0.000146223	Residential	5.06E-08	1.53E-07	8.85E-08	8.02E-08	3.66E-08	3.27E-08	2.0E-09	4.8E-08	0.0E+00	5.3E-08	0.0E+00	2.8E-08	1.31E-07	0	2.92E-05
offsite	592714.99	4139564.85	0.30824	0.47134	0.1798	0.13152	0.000133473	Residential	4.62E-08	1.40E-07	8.08E-08	7.32E-08	3.34E-08	2.98E-08	1.8E-09	4.4E-08	0.0E+00	4.8E-08	0.0E+00	2.5E-08	1.19E-07	0	2.67E-05
offsite	592814.99	4139564.85	0.29508	0.40952	0.17009	0.13271	0.000123261	Residential	4.27E-08	1.29E-07	7.46E-08	6.76E-08	3.08E-08	2.75E-08	1.7E-09	4.0E-08	0.0E+00	4.5E-08	0.0E+00	2.3E-08	1.10E-07	0	2.47E-05

Roadway HRA
Project Contribution

	AERMOD Output								Dose Inhalation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	589514.99	4139664.85	0.08235	0.07202	0.12445	0.03153	3.77881E-05	Residential	1.31E-08	3.95E-08	2.29E-08	2.07E-08	9.46E-09	8.44E-09	5.1E-10	1.2E-08	0.0E+00	1.4E-08	0.0E+00	7.2E-09	3.38E-08	0	7.56E-06
offsite	589614.99	4139664.85	0.08683	0.07548	0.13936	0.03277	4.07336E-05	Residential	1.41E-08	4.26E-08	2.46E-08	2.23E-08	1.02E-08	9.10E-09	5.5E-10	1.3E-08	0.0E+00	1.5E-08	0.0E+00	7.7E-09	3.64E-08	0	8.15E-06
offsite	591214.99	4139664.85	0.58037	0.36139	0.60406	0.08895	0.000191885	Residential	6.64E-08	2.01E-07	1.16E-07	1.05E-07	4.80E-08	4.29E-08	2.6E-09	6.3E-08	0.0E+00	6.9E-08	0.0E+00	3.6E-08	1.71E-07	0	3.84E-05
offsite	591314.99	4139664.85	0.57137	0.44395	0.53614	0.09409	0.000193887	Residential	6.71E-08	2.03E-07	1.17E-07	1.06E-07	4.85E-08	4.33E-08	2.6E-09	6.4E-08	0.0E+00	7.0E-08	0.0E+00	3.7E-08	1.73E-07	0	3.88E-05
offsite	591414.99	4139664.85	0.55629	0.56124	0.48089	0.099	0.000201322	Residential	6.97E-08	2.10E-07	1.22E-07	1.10E-07	5.04E-08	4.50E-08	2.7E-09	6.6E-08	0.0E+00	7.3E-08	0.0E+00	3.8E-08	1.80E-07	0	4.03E-05
offsite	591514.99	4139664.85	0.53851	0.73625	0.4347	0.10375	0.000217016	Residential	7.51E-08	2.27E-07	1.31E-07	1.19E-07	5.43E-08	4.85E-08	3.0E-09	7.1E-08	0.0E+00	7.9E-08	0.0E+00	4.1E-08	1.94E-07	0	4.34E-05
offsite	591614.99	4139664.85	0.51888	1.02267	0.39565	0.10825	0.000247677	Residential	8.57E-08	2.59E-07	1.50E-07	1.36E-07	6.20E-08	5.53E-08	3.4E-09	8.1E-08	0.0E+00	9.0E-08	0.0E+00	4.7E-08	2.21E-07	0	4.95E-05
offsite	591714.99	4139664.85	0.49898	1.57465	0.36206	0.11254	0.000313019	Residential	1.08E-07	3.27E-07	1.89E-07	1.72E-07	7.83E-08	6.99E-08	4.3E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.80E-07	0	6.26E-05
offsite	591814.99	4139664.85	0.47949	3.18106	0.33286	0.11662	0.000514124	Residential	1.78E-07	5.37E-07	3.11E-07	2.82E-07	1.29E-07	1.15E-07	7.0E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.7E-08	4.59E-07	0	1.03E-04
offsite	592014.99	4139664.85	0.44299	3.56393	0.28467	0.12402	0.00055486	Residential	1.92E-07	5.80E-07	3.36E-07	3.04E-07	1.39E-07	1.24E-07	7.5E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.1E-07	4.96E-07	0	1.11E-04
offsite	592114.99	4139664.85	0.42593	1.89014	0.26454	0.12729	0.0003366	Residential	1.17E-07	3.52E-07	2.04E-07	1.85E-07	8.42E-08	7.52E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.4E-08	3.01E-07	0	6.73E-05
offsite	592214.99	4139664.85	0.40944	1.26725	0.24655	0.1302	0.00025336	Residential	8.77E-08	2.65E-07	1.53E-07	1.39E-07	6.34E-08	5.66E-08	3.4E-09	8.3E-08	0.0E+00	9.2E-08	0.0E+00	4.8E-08	2.26E-07	0	5.07E-05
offsite	592314.99	4139664.85	0.39329	0.94302	0.23039	0.13278	0.000208625	Residential	7.22E-08	2.18E-07	1.26E-07	1.14E-07	5.22E-08	4.66E-08	2.8E-09	6.9E-08	0.0E+00	7.6E-08	0.0E+00	4.0E-08	1.86E-07	0	4.17E-05
offsite	592414.99	4139664.85	0.37724	0.74557	0.21578	0.13511	0.000180312	Residential	6.24E-08	1.88E-07	1.09E-07	9.89E-08	4.51E-08	4.03E-08	2.5E-09	5.9E-08	0.0E+00	6.5E-08	0.0E+00	3.4E-08	1.61E-07	0	3.61E-05
offsite	592514.99	4139664.85	0.36133	0.61259	0.20258	0.13709	0.000160401	Residential	5.55E-08	1.68E-07	9.71E-08	8.80E-08	4.01E-08	3.58E-08	2.2E-09	5.3E-08	0.0E+00	5.8E-08	0.0E+00	3.0E-08	1.43E-07	0	3.21E-05
offsite	592614.99	4139664.85	0.34535	0.51692	0.19057	0.13881	0.000145375	Residential	5.03E-08	1.52E-07	8.80E-08	7.97E-08	3.64E-08	3.25E-08	2.0E-09	4.8E-08	0.0E+00	5.3E-08	0.0E+00	2.8E-08	1.30E-07	0	2.91E-05
offsite	592714.99	4139664.85	0.32938	0.44514	0.17962	0.14017	0.000133489	Residential	4.62E-08	1.40E-07	8.08E-08	7.32E-08	3.34E-08	2.98E-08	1.8E-09	4.4E-08	0.0E+00	4.8E-08	0.0E+00	2.5E-08	1.19E-07	0	2.67E-05
offsite	592814.99	4139664.85	0.31351	0.38961	0.16963	0.14107	0.000123743	Residential	4.28E-08	1.29E-07	7.49E-08	6.79E-08	3.10E-08	2.76E-08	1.7E-09	4.1E-08	0.0E+00	4.5E-08	0.0E+00	2.3E-08	1.11E-07	0	2.47E-05
offsite	589514.99	4139764.85	0.09582	0.07825	0.15053	0.03278	4.33527E-05	Residential	1.50E-08	4.53E-08	2.62E-08	2.38E-08	1.09E-08	9.69E-09	5.9E-10	1.4E-08	0.0E+00	1.6E-08	0.0E+00	8.2E-09	3.87E-08	0	8.67E-06
offsite	589614.99	4139764.85	0.10237	0.08224	0.17185	0.03411	4.73845E-05	Residential	1.64E-08	4.95E-08	2.87E-08	2.60E-08	1.19E-08	1.06E-08	6.4E-10	1.6E-08	0.0E+00	1.7E-08	0.0E+00	9.0E-09	4.23E-08	0	9.48E-06
offsite	591414.99	4139764.85	0.67207	0.67468	0.50088	0.1084	0.000230916	Residential	7.99E-08	2.41E-07	1.40E-07	1.27E-07	5.78E-08	5.16E-08	3.1E-09	7.6E-08	0.0E+00	8.4E-08	0.0E+00	4.4E-08	2.06E-07	0	4.62E-05
offsite	591514.99	4139764.85	0.63817	0.90226	0.45	0.11346	0.000251275	Residential	8.70E-08	2.63E-07	1.52E-07	1.38E-07	6.29E-08	5.61E-08	3.4E-09	8.3E-08	0.0E+00	9.1E-08	0.0E+00	4.8E-08	2.25E-07	0	5.03E-05
offsite	591614.99	4139764.85	0.6052	1.30349	0.40746	0.11818	0.000294983	Residential	1.02E-07	3.08E-07	1.78E-07	1.62E-07	7.38E-08	6.59E-08	4.0E-09	9.7E-08	0.0E+00	1.1E-07	0.0E+00	5.6E-08	2.64E-07	0	5.90E-05
offsite	591714.99	4139764.85	0.57439	2.2152	0.37103	0.12266	0.000405085	Residential	1.40E-07	4.23E-07	2.45E-07	2.22E-07	1.01E-07	9.05E-08	5.5E-09	1.3E-07	0.0E+00	1.5E-07	0.0E+00	7.7E-08	3.62E-07	0	8.10E-05
offsite	591814.99	4139764.85	0.54589	7.38882	0.33968	0.12683	0.001062488	Residential	3.68E-07	1.11E-06	6.43E-07	5.83E-07	2.66E-07	2.37E-07	1.4E-08	3.5E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.50E-07	1	2.12E-04
offsite	591914.99	4139764.85	0.51974	5.9888	0.3123	0.13075	0.000877658	Residential	3.04E-07	9.17E-07	5.31E-07	4.81E-07	2.20E-07	1.96E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.84E-07	1	1.76E-04
offsite	592014.99	4139764.85	0.49566	2.42979	0.28829	0.13435	0.000416559	Residential	1.44E-07	4.35E-07	2.52E-07	2.28E-07	1.04E-07	9.31E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	7.9E-08	3.72E-07	0	8.33E-05
offsite	592114.99	4139764.85	0.47322	1.51524	0.26706	0.13756	0.000294993	Residential	1.02E-07	3.08E-07	1.78E-07	1.62E-07	7.38E-08	6.59E-08	4.0E-09	9.7E-08	0.0E+00	1.1E-07	0.0E+00	5.6E-08	2.64E-07	0	5.90E-05
offsite	592214.99	4139764.85	0.45193	1.08677	0.24817	0.14039	0.000236099	Residential	8.17E-08	2.47E-07	1.43E-07	1.29E-07	5.91E-08	5.28E-08	3.2E-09	7.8E-08	0.0E+00	8.5E-08	0.0E+00	4.5E-08	2.11E-07	0	4.72E-05
offsite	592314.99	4139764.85	0.43135	0.83996	0.23128	0.14287	0.000200762	Residential	6.95E-08	2.10E-07	1.21E-07	1.10E-07	5.02E-08	4.49E-08	2.7E-09	6.6E-08	0.0E+00	7.3E-08	0.0E+00	3.8E-08	1.79E-07	0	4.02E-05
offsite	592414.99	4139764.85	0.41119	0.67992	0.2161	0.14504	0.000176757	Residential	6.12E-08	1.85E-07	1.07E-07	9.69E-08	4.42E-08	3.95E-08	2.4E-09	5.8E-08	0.0E+00	6.4E-08	0.0E+00	3.4E-08	1.58E-07	0	3.54E-05
offsite	592514.99	4139764.85	0.39133	0.56762	0.2024	0.14686	0.000159032	Residential	5.51E-08	1.66E-07	9.62E-08	8.72E-08	3.98E-08	3.55E-08	2.2E-09	5.2E-08	0.0E+00	5.8E-08	0.0E+00	3.0E-08	1.42E-07	0	3.18E-05
offsite	592614.99	4139764.85	0.37163	0.48444	0.19003	0.14838	0.000145176	Residential	5.03E-08	1.52E-07	8.78E-08	7.96E-08	3.63E-08	3.24E-08	2.0E-09	4.8E-08	0.0E+00	5.3E-08	0.0E+00	2.8E-08	1.30E-07	0	2.90E-05
offsite	592714.99	4139764.85	0.35216	0.42068	0.17881	0.14948	0.00013391	Residential	4.64E-08	1.40E-07	8.10E-08	7.34E-08	3.35E-08	2.99E-08	1.8E-09	4.4E-08	0.0E+00	4.8E-08	0.0E+00	2.5E-08	1.20E-07	0	2.68E-05
offsite	592814.99	4139764.85	0.33299	0.37051	0.16858	0.15014	0.000124469	Residential	4.31E-08	1.30E-07	7.53E-08	6.83E-08	3.12E-08	2.78E-08	1.7E-09	4.1E-08	0.0E+00	4.5E-08	0.0E+00	2.4E-08	1.11E-07	0	2.49E-05
offsite	589514.99	4139864.85	0.11317	0.08502	0.18257	0.03417	5.01286E-05	Residential	1.74E-08	5.24E-08	3.03E-08	2.75E-08	1.25E-08	1.12E-08	6.8E-10	1.6E-08	0.0E+00	1.8E-08	0.0E+00	9.5E-09	4.48E-08	0	1.00E-05
offsite	589614.99	4139864.85	0.12303	0.08959	0.21227	0.0356	5.56209E-05	Residential	1.93E-08	5.81E-08	3.37E-08	3.05E-08	1.39E-08	1.24E-08	7.6E-10	1.8E-08	0.0E+00	2.0E-08	0.0E+00	1.1E-08	4.97E-08	0	1.11E-05
offsite	591514.99	4139864.85	0.76151	1.11472	0.46227	0.12462	0.000293596	Residential	1.02E-07	3.07E-07	1.78E-07	1.61E-07	7.35E-08	6.56E-08	4.0E-09	9.6E-08	0.0E+00	1.1E-07	0.0E+00	5.6E-08	2.62E-07	0	5.87E-05
offsite	591614.99	4139864.85	0.71013	1.71553	0.41662	0.12958	0.000360789	Residential	1.25E-07	3.77E-07	2.18E-07	1.98E-07	9.03E-08	8.06E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.8E-08	3.22E-07	0	7.22E-05
offsite	591714.99	4139864.85	0.66474	3.59784	0.37781	0.13417	0.000593678	Residential	2.06E-07	6.21E-07	3.59E-07	3.26E-07	1.49E-07	1.33E-07	8.1E-09	2.0E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.31E-07	1	1.19E-04
offsite	591914.99	4139864.85	0.5892	3.32697	0.31567	0.14233	0.000545234	Residential	1.89E-07	5.70E-07	3.30E-07	2.99E-07	1.36E-07	1.22E-07	7.4E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.0E-07	4.87E-07	0	1.09E-04
offsite	592014.99	4139864.85	0.55739	1.85005	0.29046	0.14586	0.000350215	Residential	1.21E-07	3.66E-07	2.12E-07	1.92E-07	8.76E-08	7.82E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.6E-08	3.13E-07	0	7.00E-05
offsite	592114.99	4139864.85	0.52827	1.26517	0.26827	0.14899	0.000270152	Residential	9.35E-08	2.82E-07	1.63E-07	1.48E-07	6.76E-08	6.04E-08	3.7E-09	8.9E-08	0.0E+00	9.8E-08	0.0E+00	5.1E-08	2.41E-07	0	5.40E-05
offsite	592214.99	4139864.85	0.50094	0.95146	0.24861	0.15171	0.000225283	Residential	7.80E-08	2.35E-07	1.36E-07	1.24E-07	5.64E-08	5.03E-08	3.1E-09	7.4E-08	0.0E+00	8.2E-08	0.0E+00	4.3E-08	2.01E-07	0	4.51E-05
offsite	592314.99	4139864.85	0.47483	0.75653	0.23112	0.15402	0.000195969	Residential	6.78E-08	2.05E-07	1.19E-07	1.07E-07	4.90E-08	4.38E-08	2.7E-09	6.4E-08	0.0E+00	7.1E-08	0.0E+00	3.7E-08	1.75E-07	0	3.92E-05
offsite	592414.99	4139864.85	0.44946	0.62384	0.21547	0.156	0.000174886	Residential	6.05E-08	1.83E-07	1.06E-07	9.59E-08	4.38E-08	3.91E-08	2.4E-09	5.7E-08	0.0E+00	6.3E-08	0.0E+00	3.3E-08	1.56E-07	0	3.50E-05
offsite	592514.99	4139864.85	0.42468	0.52763	0.20143	0.15762	0.000158681	Residential	5.49E-08	1.66E-07	9.60E-08	8.70E-08	3.97E-08	3.55E-08	2.2E-09	5.2E-08	0.0E+00	5.7E-08	0.0E+00	3.0E-08	1.42E-07	0	3.17E-05
offsite	592614.99	4139864.85	0.40042	0.4547	0.18877	0.15884	0.00014562	Residential	5.04E-08	1.52E-07	8.81E-08	7.99E-08	3.64E-08	3.25E-08	2.0E-09	4.8E-08	0.0E+00	5.3E-08	0.0E+00	2.8E-08	1.30E-07	0	2.91E-05
offsite	592714.99	4139864.85	0.37668	0.39772	0.17733	0.15962	0.000134737	Residential	4.66E-08	1.41E-07	8.15E-08	7.39E-08	3.37E-08	3.01E-08	1.8E-09	4.4E-08	0.0E+00	4.9E-08	0.0E+00	2.6E-08	1.20E-07	0	2.69E-05
offsite	592814.99	4139864.85	0.35358	0.35228	0.16694	0.15988	0.000125444	Residential	4.34E-08	1.31E-07	7.59E-08	6.88E-08	3.14E-08	2.80E-08	1.7E-09	4.1E-08	0.0E+00	4.5E-08	0.0E+00	2.4E-08	1.12E-07	0	2.51E-05
offsite	589514.99	4139964.85	0.1355	0.09241	0.21998	0.03578	5.81695E-05	Residential	2.01E-08	6.08E-08	3.52E-08	3.19E-08	1.46E-08	1.30E-08	7.9E-10	1.9E-08	0.0E+00	2.1E-08	0.0E+00	1.1E-08	5.20E-08	0	1.16E-05
offsite	589614.99	4139964.85	0.15049	0.09759	0.2593	0.03731	6.54555E-05	Residential	2.27E-08	6.84E-08	3.96E-08	3.59E-08	1.64E-08	1.46E-08	8.9E-10	2.2E-08	0.0E+00	2.4E-08	0.0E+00	1.2E-08	5.85E-08	0	1.31E-05
offsite	591714.99	4139964.85	0.77659	9.94221	0.38237	0.14732	0.001420526	Residential	4.92E-07	1.48E-06	8.60E-07	7.79E-07	3.56E-07	3.17E-07	1.9E-08	4.7E-07	0.0E+00	5.1E-07	0.0E+00	2.7E-07	1.27E-06	1	2.84E-04
offsite	591814.99	4139964.85	0.72109	5.2517	0.34746	0.15156	0.000810076	Residential	2.80E-07	8.47E-07	4.90E-07	4.44E-07	2.03E-07	1.81E-07	1.1E-08	2.7E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.24E-07	1	1.62E-04
offsite	591914.99	4139964.85	0.67343	2.33495	0.31735	0.15538	0.000428353	Residential	1.48E-07	4.48E-07	2.59E-07	2.35E-07	1.07E-07	9.57E-08	5.8E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.1E-08	3.83E-07	0	8.57E-05
offsite	592014.99	4139964.85	0.63162	1.49386	0.29113	0.15879	0.000313766	Residential	1.09E-07	3.28E-07	1.90E-07	1.72E-07	7.85E-08	7.01E-08	4.3E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.80E-07	0	6.28E-05
offsite	592114.99	4139964.85	0.59386	1.08577	0.26816	0.16176	0.000255425	Residential	8.84E-08	2.67E-07	1.55E-07	1.40E-07	6.39E-08	5.71E-08	3.5E-09	8.4E-08	0.0E+00	9.2E-08	0.0E+00	4.8E-08	2.28E-07	0	5.11E-05
offsite	592214.99	4139964.85	0.55875	0.84546	0.24789	0.16425	0.000219114	Residential	7.58E-08	2.29E-07	1.33E-07	1.20E-07	5.48E-08	4.90E-08	3.0E-09	7.2E-08	0.0E+00	7.9E-08	0.0E+00	4.2E-08	1.96E-07	0	4.38E-05
offsite	592314.99	4139964.85	0.52528	0.6871	0.22992	0.16635	0.000193694	Residential	6.70E-08	2.02E-07	1.17E-07	1.06E-07	4.85E-08	4.33E-08	2.6E-09	6.4E-08	0.0E+00	7.0E-08	0.0E+00	3.7E-08	1.73E-07	0	3.87E-05
offsite	592414.99	4139964.85	0.49319	0.57518	0.21392	0.16804	0.000174543	Residential	6.04E-08	1.82E-07	1.06E-07	9.57E-08	4.37E-08	3.90E-08	2.4E-09	5.7E-08	0.0E+00	6.3E-08	0.0E+00	3.3E-08	1.56E-07	0	3.49E-05
offsite	592514.99	4139964.85	0.46207	0.49174	0.19962	0.16939	0.000159295	Residential	5.51E-08	1.66E-07	9.64E-08	8.74E-08	3.99E-08	3.56E-08	2.2E-09	5.2E-08	0.0E+00	5.8E-08	0.0E+00	3.0E-08	1.42E-07	0	3.19E-05
offsite	592614.99	4139964.85	0.43204	0.4273	0.18678	0.17026	0.000146695	Residential	5.08E-08	1.53E-07	8.88E-08	8.05E-08	3.67E-08	3.28E-08	2.0E-09	4.8E-08	0.0E+00	5.3E-08	0.0E+00	2.8E-08	1.31E-07	0	2.93E-05
offsite	592714.99	4139964.85	0.40301	0.37616	0.17518	0.17059	0.000135965	Residential	4.71E-08	1.42E-07	8.23E-08	7.46E-08	3.40E-08	3.04E-08	1.8E-09	4.5E-08	0.0E+00	4.9E-08	0.0E+00	2.6E-08	1.22E-07	0	2.72E-05
offsite	592814.99	4139964.85	0.37521	0.3348	0.16477	0.17046	0.000126683	Residential	4.39E-08	1.32E-07	7.67E-08	6.95E-08	3.17E-08	2.83E-08	1.7E-09	4.2E-08	0.0E+00	4.6E-08	0.0E+00	2.4E-08	1.13E-07	0	2.53E-05
offsite	589514.99	4140064.85	0.16336	0.10044	0.26147	0.03763	6.73712E-05	Residential	2.33E-08	7.04E-08	4.08E-08	3.70E-08	1.69E-08	1.51E-08	9.2E-10	2.2E-08	0.0E+00	2.4E-08	0.0E+00	1.3E-08	6.02E-08	0	1.35E-05
offsite	589614.99	4140064.85	0.18576	0.10626	0.31074	0.03927	7.6715E-05	Residential	2.66E-08	8.02E-08	4.64E-08	4.21E-08	1.92E-08	1.71E-08	1.0E-09	2.5E-08	0.0E+00	2.8E-08	0.0E+00	1.5E-08	6.86E-08	0	1.53E-05
offsite	591714.99	4140064.85	0.92158	13.8534	0.3848	0.16235	0.001938566	Residential	6.71E-07	2.03E-06	1.17E-06	1.06E-06	4.85E-07	4.33E-07	2.6E-08	6.4E-07	0.0E+00	7.0E-07	0.0E+00	3.7E-07	1.73E-06	2	3.88E-04
offsite	591814.99	4140064.85	0.84405	3.115	0.34854	0.16643	0.000550321	Residential	1.91E-07	5.75E-07	3.33E-07	3.02E-07	1.38E-07	1.23E-07	7.5E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.0E-07	4.92E-07	0	1.10E-04
offsite	591914.99	4140064.85	0.77957	1.79925	0.31737	0.17008	0.000372126	Residential	1.29E-07	3.89E-07	2.25E-07	2.04E-07	9.31E-08	8.31E-08	5.1E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	7.1E-08	3.33E-07	0	7.44E-05
offsite	592014.99	4140064.85	0.72404	1.25157	0.29034	0.17327	0.000293718	Residential	1.02E-07	3.07E-07	1.78E-07	1.61E-07	7.35E-08	6.56E-08	4.0E-09	9.6E-08	0.0E+00	1.1E-07	0.0E+00	5.6E-08	2.62E-07	0	5.87E-05
offsite	592114.99	4140064.85	0.6743	0.95021	0.26674	0.17598	0.000247801	Residential	8.58E-08	2.59E-07	1.50E-07	1.36E-07	6.20E-08	5.54E-08	3.4E-09	8.1E-08	0.0E+00	9.0E-08	0.0E+00	4.7E-08	2.21E-07	0	4.96E-05
offsite	592214.99	4140064.85	0.62831	0.75962	0.24601	0.17818	0.000216724	Residential	7.50E-08	2.27E-07	1.31E-07	1.19E-07	5.42E-08	4.84E-08	2.9E-09	7.1E-08	0.0E+00	7.8E-08	0.0E+00	4.1E-08	1.94E-07	0	4.33E-05
offsite	592314.99	4140064.85	0.58486	0.62819	0.22772	0.17994	0.000193713	Residential	6.71E-08	2.02E-07	1.17E-07	1.06E-07	4.85E-08	4.33E-08	2.6E-09	6.4E-08	0.0E+00	7.0E-08	0.0E+00	3.7E-08	1.73E-07	0	3.87E-05
offsite	592414.99	4140064.85	0.54354	0.5323	0.21148	0.18128	0.000175651	Residential	6.08E-08	1.84E-07	1.06E-07	9.63E-08	4.40E-08	3.92E-08	2.4E-09	5.8E-08	0.0E+00	6.4E-08	0.0E+00	3.3E-08	1.57E-07	0	3.51E-05
offsite	592514.99	4140064.85	0.50417	0.45931	0.19704	0.18223	0.000160877	Residential	5.57E-08	1.68E-07	9.73E-08	8.82E-08	4.03E-08	3.59E-08	2.2E-09	5.3E-08	0.0E+00	5.8E-08	0.0E+00	3.1E-08	1.44E-07	0	3.22E-05
offsite	592614.99	4140064.85	0.46672	0.40195	0.18409	0.18266	0.000148393	Residential	5.14E-08	1.55E-07	8.98E-08	8.14E-08	3.71E-08	3.32E-08	2.0E-09	4.9E-08	0.0E+00	5.4E-08	0.0E+00	2.8E-08	1.33E-07	0	2.97E-05
offsite	592714.99	4140064.85	0.43127	0.35558	0.17246	0.18268	0.00013761	Residential	4.76E-08	1.44E-07	8.33E-08	7.55E-08	3.44E-08	3.07E-08	1.9E-09	4.5E-08	0.0E+00	5.0E-08	0.0E+00	2.6E-08	1.23E-07	0	2.75E-05
offsite	592814.99	4140064.85	0.39774	0.31796	0.16203	0.18192	0.000128158	Residential	4.44E-08	1.34E-07	7.75E-08	7.03E-08	3.21E-08	2.86E-08	1.7E-09	4.2E-08	0.0E+00	4.6E-08	0.0E+00	2.4E-08	1.15E-07	0	2.56E-05
offsite	591714.99	4140164.85	1.12207	4.67306	0.38497	0.17955	0.000783272	Residential	2.71E-07	8.19E-07	4.74E-07	4.30E-07	1.96E-07	1.75E-07	1.1E-08	2.6E-07	0.0E+00	2.8E-07	0.0E+00	1.5E-07	7.00E-07	1	1.57E-04
offsite	591814.99	4140164.85	1.01002	2.23709	0.3476	0.18333	0.000456144	Residential	1.58E-07	4.77E-07	2.76E-07	2.50E-07	1.14E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.6E-08	4.08E-07	0	9.12E-05
offsite	591914.99	4140164.85	0.92013	1.4641	0.31567	0.18667	0.00034498	Residential	1.19E-07	3.61E-07	2.09E-07	1.89E-07	8.63E-08	7.71E-08	4.7E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.08E-07	0	6.90E-05
offsite	592014.99	4140164.85	0.8445	1.07664	0.28798	0.18945	0.000285053	Residential	9.87E-08	2.98E-07	1.72E-07	1.56E-07	7.13E-08	6.37E-08	3.9E-09	9.4E-08	0.0E+00	1.0E-07	0.0E+00	5.4E-08	2.55E-07	0	5.70E-05
offsite	592114.99	4140164.85	0.77651	0.84378	0.26401	0.19181	0.000246079	Residential	8.52E-08	2.57E-07	1.49E-07	1.35E-07	6.16E-08	5.50E-08	3.3E-09	8.1E-08	0.0E+00	8.9E-08	0.0E+00	4.7E-08	2.20E-07	0	4.92E-05
offsite	592214.99	4140164.85	0.71389	0.68812	0.24302	0.19364	0.000217805	Residential	7.54E-08	2.28E-07	1.32E-07	1.19E-07	5.45E-08	4.87E-08	3.0E-09	7.2E-08	0.0E+00	7.9E-08	0.0E+00	4.1E-08	1.95E-07	0	4.36E-05
offsite	592314.99	4140164.85	0.65581	0.57702	0.22455	0.19498	0.000195917	Residential	6.78E-08	2.05E-07	1.19E-07	1.07E-07	4.90E-08	4.38E-08	2.7E-09	6.4E-08	0.0E+00	7.1E-08	0.0E+00	3.7E-08	1.75E-07	0	3.92E-05

Roadway HRA
Project Contribution

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhalation: 3rd trimester	0<2	2<9	2<16	16<30	16-70	Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year): rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592414.99	4140164.85	0.60173	0.49396	0.20822	0.19588	0.000178204	Residential	6.17E-08	1.86E-07	1.08E-07	9.77E-08	4.46E-08	3.98E-08	2.4E-09	5.9E-08	0.0E+00	6.5E-08	0.0E+00	3.4E-08	1.59E-07	0	3.56E-05
offsite	592514.99	4140164.85	0.5514	0.42961	0.1937	0.19631	0.000163399	Residential	5.66E-08	1.71E-07	9.89E-08	8.96E-08	4.09E-08	3.65E-08	2.2E-09	5.4E-08	0.0E+00	5.9E-08	0.0E+00	3.1E-08	1.46E-07	0	3.27E-05
offsite	592614.99	4140164.85	0.50465	0.37826	0.18081	0.19625	0.00015073	Residential	5.22E-08	1.58E-07	9.12E-08	8.27E-08	3.77E-08	3.37E-08	2.0E-09	5.0E-08	0.0E+00	5.5E-08	0.0E+00	2.9E-08	1.35E-07	0	3.01E-05
offsite	592714.99	4140164.85	0.46122	0.33638	0.16924	0.19562	0.000139666	Residential	4.83E-08	1.46E-07	8.45E-08	7.66E-08	3.50E-08	3.12E-08	1.9E-09	4.6E-08	0.0E+00	5.1E-08	0.0E+00	2.6E-08	1.25E-07	0	2.79E-05
offsite	592814.99	4140164.85	0.42083	0.30187	0.15885	0.19425	0.000129867	Residential	4.50E-08	1.36E-07	7.86E-08	7.12E-08	3.25E-08	2.90E-08	1.8E-09	4.3E-08	0.0E+00	4.7E-08	0.0E+00	2.5E-08	1.16E-07	0	2.60E-05
park	591314.99	4140264.85	3.71116	1.26672	0.62519	0.17734	0.000622981	Parks/Paths	0.00E+00	2.22E-08	1.18E-08	9.61E-09	4.44E-09	4.25E-09	0.0E+00	7.0E-09	3.9E-09	0.0E+00	4.2E-10	0.0E+00	1.13E-08	0	1.25E-04
park	591414.99	4140264.85	2.61034	1.98131	0.54596	0.18428	0.000600895	Parks/Paths	0.00E+00	2.14E-08	1.14E-08	9.27E-09	4.28E-09	4.10E-09	0.0E+00	6.7E-09	3.8E-09	0.0E+00	4.0E-10	0.0E+00	1.09E-08	0	1.20E-04
offsite	591614.99	4140264.85	1.66859	9.94362	0.42775	0.19514	0.001519033	Residential	5.26E-07	1.59E-06	9.19E-07	8.33E-07	3.80E-07	3.39E-07	2.1E-08	5.0E-07	0.0E+00	5.5E-07	0.0E+00	2.9E-07	1.36E-06	1	3.04E-04
offsite	591714.99	4140264.85	1.42631	2.92379	0.38285	0.19924	0.000590831	Residential	2.05E-07	6.18E-07	3.57E-07	3.24E-07	1.48E-07	1.32E-07	8.0E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.28E-07	1	1.18E-04
offsite	591814.99	4140264.85	1.25238	1.74602	0.34475	0.20256	0.000418979	Residential	1.45E-07	4.38E-07	2.54E-07	2.30E-07	1.05E-07	9.36E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	7.9E-08	3.74E-07	0	8.38E-05
park	591914.99	4140264.85	1.11874	1.23198	0.31227	0.20539	0.000336701	Parks/Paths	0.00E+00	1.20E-08	6.40E-09	5.20E-09	2.40E-09	2.30E-09	0.0E+00	3.8E-09	2.1E-09	0.0E+00	2.3E-10	0.0E+00	6.11E-09	0	6.73E-05
offsite	592014.99	4140264.85	1.00858	0.94259	0.28416	0.20761	0.000285917	Residential	9.90E-08	2.99E-07	1.73E-07	1.57E-07	7.16E-08	6.39E-08	3.9E-09	9.4E-08	0.0E+00	1.0E-07	0.0E+00	5.4E-08	2.56E-07	0	5.72E-05
offsite	592114.99	4140264.85	0.91008	0.75671	0.26006	0.20953	0.000249974	Residential	8.65E-08	2.61E-07	1.51E-07	1.37E-07	6.26E-08	5.59E-08	3.4E-09	8.2E-08	0.0E+00	9.0E-08	0.0E+00	4.7E-08	2.23E-07	0	5.00E-05
offsite	592214.99	4140264.85	0.82132	0.6272	0.23894	0.2108	0.000222458	Residential	7.70E-08	2.33E-07	1.35E-07	1.22E-07	5.57E-08	4.97E-08	3.0E-09	7.3E-08	0.0E+00	8.1E-08	0.0E+00	4.2E-08	1.99E-07	0	4.45E-05
offsite	592314.99	4140264.85	0.74101	0.53202	0.22043	0.21159	0.000200401	Residential	6.94E-08	2.09E-07	1.21E-07	1.10E-07	5.02E-08	4.48E-08	2.7E-09	6.6E-08	0.0E+00	7.3E-08	0.0E+00	3.8E-08	1.79E-07	0	4.01E-05
offsite	592414.99	4140264.85	0.66892	0.45938	0.20411	0.21192	0.000182218	Residential	6.31E-08	1.90E-07	1.10E-07	9.99E-08	4.56E-08	4.07E-08	2.5E-09	6.0E-08	0.0E+00	6.6E-08	0.0E+00	3.5E-08	1.63E-07	0	3.64E-05
offsite	592514.99	4140264.85	0.60439	0.40219	0.18973	0.21182	0.000166913	Residential	5.78E-08	1.74E-07	1.01E-07	9.16E-08	4.18E-08	3.73E-08	2.3E-09	5.5E-08	0.0E+00	6.0E-08	0.0E+00	3.2E-08	1.49E-07	0	3.34E-05
offsite	592614.99	4140264.85	0.54602	0.35602	0.17696	0.21112	0.000153713	Residential	5.32E-08	1.61E-07	9.30E-08	8.43E-08	3.85E-08	3.43E-08	2.1E-09	5.0E-08	0.0E+00	5.6E-08	0.0E+00	2.9E-08	1.37E-07	0	3.07E-05
path	592714.99	4140264.85	0.49279	0.31798	0.1655	0.20976	0.000142105	Parks/Paths	0.00E+00	5.06E-09	2.70E-09	2.19E-09	1.01E-09	9.70E-10	0.0E+00	1.6E-09	8.9E-10	0.0E+00	9.5E-11	0.0E+00	2.58E-09	0	2.84E-05
path	592814.99	4140264.85	0.44411	0.28653	0.15534	0.20749	0.000131794	Parks/Paths	0.00E+00	4.69E-09	2.50E-09	2.03E-09	9.39E-10	9.00E-10	0.0E+00	1.5E-09	8.3E-10	0.0E+00	8.9E-11	0.0E+00	2.39E-09	0	2.64E-05
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.000535713	Residential	1.85E-07	5.60E-07	3.24E-07	2.94E-07	1.34E-07	1.20E-07	7.3E-09	1.8E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.79E-07	0	1.07E-04
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.000594993	Residential	2.06E-07	6.22E-07	3.60E-07	3.26E-07	1.49E-07	1.33E-07	8.1E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.1E-07	5.32E-07	1	1.19E-04
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.000750594	Residential	2.60E-07	7.85E-07	4.54E-07	4.12E-07	1.88E-07	1.68E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.71E-07	1	1.50E-04
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.001343052	Residential	4.65E-07	1.40E-06	8.13E-07	7.37E-07	3.36E-07	3.00E-07	1.8E-08	4.4E-07	0.0E+00	4.9E-07	0.0E+00	2.5E-07	1.20E-06	1	2.69E-04
park	591414.99	4140364.85	5.41692	2.89298	0.54444	0.20822	0.00098876	Parks/Paths	0.00E+00	3.52E-08	1.88E-08	1.53E-08	7.04E-09	6.75E-09	0.0E+00	1.1E-08	6.2E-09	0.0E+00	6.6E-10	0.0E+00	1.79E-08	0	1.98E-04
offsite	591614.99	4140364.85	2.4506	4.22363	0.42399	0.21825	0.000863288	Residential	2.99E-07	9.02E-07	5.22E-07	4.74E-07	2.16E-07	1.93E-07	1.2E-08	2.8E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.72E-07	1	1.73E-04
school	591714.99	4140364.85	1.96167	2.14283	0.37841	0.22174	0.000544725	School	0.00E+00	8.06E-08	4.30E-08	3.49E-08	1.61E-08	1.54E-08	0.0E+00	0.0E+00	1.4E-08	3.3E-09	0.0E+00	0.0E+00	1.75E-08	0	1.09E-04
school	591814.99	4140364.85	1.65135	1.42893	0.33983	0.22438	0.000419193	School	0.00E+00	6.20E-08	3.31E-08	2.69E-08	1.24E-08	1.19E-08	0.0E+00	0.0E+00	1.1E-08	2.5E-09	0.0E+00	0.0E+00	1.34E-08	0	8.38E-05
school	591914.99	4140364.85	1.42828	1.06106	0.30709	0.22649	0.000346992	School	0.00E+00	5.13E-08	2.74E-08	2.22E-08	1.03E-08	9.84E-09	0.0E+00	0.0E+00	9.0E-09	2.1E-09	0.0E+00	0.0E+00	1.11E-08	0	6.94E-05
offsite	592014.99	4140364.85	1.24904	0.83606	0.27898	0.22808	0.000297784	Residential	1.03E-07	3.11E-07	1.80E-07	1.63E-07	7.45E-08	6.65E-08	4.0E-09	9.8E-08	0.0E+00	1.1E-07	0.0E+00	5.6E-08	2.66E-07	0	5.96E-05
offsite	592114.99	4140364.85	1.09253	0.68386	0.25469	0.22916	0.000260476	Residential	9.02E-08	2.72E-07	1.58E-07	1.43E-07	6.52E-08	5.82E-08	3.5E-09	8.6E-08	0.0E+00	9.4E-08	0.0E+00	4.9E-08	2.33E-07	0	5.21E-05
offsite	592214.99	4140364.85	0.95749	0.57429	0.23375	0.22984	0.000231037	Residential	8.00E-08	2.41E-07	1.40E-07	1.27E-07	5.78E-08	5.16E-08	3.1E-09	7.6E-08	0.0E+00	8.4E-08	0.0E+00	4.4E-08	2.06E-07	0	4.62E-05
offsite	592314.99	4140364.85	0.84282	0.49179	0.21533	0.22993	0.000207232	Residential	7.17E-08	2.17E-07	1.25E-07	1.14E-07	5.19E-08	4.63E-08	2.8E-09	6.8E-08	0.0E+00	7.5E-08	0.0E+00	3.9E-08	1.85E-07	0	4.14E-05
offsite	592414.99	4140364.85	0.74664	0.42777	0.19931	0.2297	0.000187809	Residential	6.50E-08	1.96E-07	1.14E-07	1.03E-07	4.70E-08	4.20E-08	2.6E-09	6.2E-08	0.0E+00	6.8E-08	0.0E+00	3.6E-08	1.68E-07	0	3.76E-05
offsite	592514.99	4140364.85	0.66397	0.37671	0.18514	0.22888	0.000171472	Residential	5.94E-08	1.79E-07	1.04E-07	9.41E-08	4.29E-08	3.83E-08	2.3E-09	5.6E-08	0.0E+00	6.2E-08	0.0E+00	3.3E-08	1.53E-07	0	3.43E-05
offsite	592614.99	4140364.85	0.59118	0.33511	0.17259	0.22737	0.000157384	Residential	5.45E-08	1.64E-07	9.52E-08	8.63E-08	3.94E-08	3.52E-08	2.1E-09	5.2E-08	0.0E+00	5.7E-08	0.0E+00	3.0E-08	1.41E-07	0	3.15E-05
path	592714.99	4140364.85	0.52588	0.30063	0.16139	0.225	0.000144954	Parks/Paths	0.00E+00	5.16E-09	2.75E-09	2.24E-09	1.03E-09	9.90E-10	0.0E+00	1.6E-09	9.1E-10	0.0E+00	9.7E-11	0.0E+00	2.63E-09	0	2.90E-05
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.000479588	Residential	1.66E-07	5.01E-07	2.90E-07	2.63E-07	1.20E-07	1.07E-07	6.5E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.1E-08	4.29E-07	0	9.59E-05
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.000470044	Residential	1.63E-07	4.91E-07	2.84E-07	2.58E-07	1.18E-07	1.05E-07	6.4E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.9E-08	4.20E-07	0	9.40E-05
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.000490485	Residential	1.70E-07	5.13E-07	2.97E-07	2.69E-07	1.23E-07	1.10E-07	6.7E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.3E-08	4.38E-07	0	9.81E-05
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.000553107	Residential	1.91E-07	5.78E-07	3.35E-07	3.03E-07	1.38E-07	1.24E-07	7.5E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.0E-07	4.94E-07	0	1.11E-04
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.00067477	Residential	2.34E-07	7.05E-07	4.08E-07	3.70E-07	1.69E-07	1.51E-07	9.2E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	6.03E-07	1	1.35E-04
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.000956413	Residential	3.31E-07	1.00E-06	5.79E-07	5.25E-07	2.39E-07	2.14E-07	1.3E-08	3.1E-07	0.0E+00	3.5E-07	0.0E+00	1.8E-07	8.55E-07	1	1.91E-04
offsite	591514.99	4140464.85	11.9602	7.63164	0.47473	0.24289	0.002216398	Residential	7.67E-07	2.32E-06	1.34E-06	1.22E-06	5.55E-07	4.95E-07	3.0E-08	7.3E-07	0.0E+00	8.0E-07	0.0E+00	4.2E-07	1.98E-06	2	4.43E-04
offsite	591614.99	4140464.85	4.79699	2.755	0.41739	0.24482	0.000901884	Residential	3.12E-07	9.43E-07	5.46E-07	4.95E-07	2.26E-07	2.02E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.06E-07	1	1.80E-04
offsite	591714.99	4140464.85	3.21746	1.68904	0.37142	0.24733	0.000609365	Residential	2.11E-07	6.37E-07	3.69E-07	3.34E-07	1.53E-07	1.36E-07	8.3E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.45E-07	1	1.22E-04
school	591814.99	4140464.85	2.45836	1.20613	0.33287	0.24912	0.000470574	School	0.00E+00	6.96E-08	3.71E-08	3.02E-08	1.39E-08	1.33E-08	0.0E+00	0.0E+00	1.2E-08	2.8E-09	0.0E+00	0.0E+00	1.51E-08	0	9.41E-05
offsite	591914.99	4140464.85	1.986	0.92893	0.3001	0.25022	0.000386089	Residential	1.34E-07	4.04E-07	2.34E-07	2.12E-07	9.66E-08	8.63E-08	5.3E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.3E-08	3.45E-07	0	7.72E-05
offsite	592014.99	4140464.85	1.63071	0.74846	0.27223	0.25096	0.000325717	Residential	1.13E-07	3.40E-07	1.97E-07	1.79E-07	8.15E-08	7.28E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.91E-07	0	6.51E-05
offsite	592114.99	4140464.85	1.34734	0.62145	0.24827	0.25126	0.000279472	Residential	9.67E-08	2.92E-07	1.69E-07	1.53E-07	6.99E-08	6.24E-08	3.8E-09	9.2E-08	0.0E+00	1.0E-07	0.0E+00	5.3E-08	2.50E-07	0	5.59E-05
offsite	592214.99	4140464.85	1.12997	0.52748	0.22756	0.25109	0.000244084	Residential	8.45E-08	2.55E-07	1.48E-07	1.34E-07	6.11E-08	5.45E-08	3.3E-09	8.0E-08	0.0E+00	8.8E-08	0.0E+00	4.6E-08	2.18E-07	0	4.88E-05
offsite	592314.99	4140464.85	0.96534	0.4554	0.20953	0.25045	0.000216789	Residential	7.50E-08	2.27E-07	1.31E-07	1.19E-07	5.43E-08	4.84E-08	2.9E-09	7.1E-08	0.0E+00	7.8E-08	0.0E+00	4.1E-08	1.94E-07	0	4.34E-05
offsite	592414.99	4140464.85	0.83775	0.39864	0.19389	0.24947	0.000195233	Residential	6.76E-08	2.04E-07	1.18E-07	1.07E-07	4.89E-08	4.36E-08	2.7E-09	6.4E-08	0.0E+00	7.1E-08	0.0E+00	3.7E-08	1.74E-07	0	3.90E-05
offsite	592514.99	4140464.85	0.73267	0.35289	0.17999	0.24775	0.000177333	Residential	6.14E-08	1.85E-07	1.07E-07	9.73E-08	4.44E-08	3.96E-08	2.4E-09	5.8E-08	0.0E+00	6.4E-08	0.0E+00	3.4E-08	1.58E-07	0	3.55E-05
path	592614.99	4140464.85	0.64175	0.31531	0.16782	0.24532	0.000161933	Parks/Paths	0.00E+00	5.77E-09	3.08E-09	2.50E-09	1.15E-09	1.11E-09	0.0E+00	1.8E-09	1.0E-09	0.0E+00	1.1E-10	0.0E+00	2.94E-09	0	3.24E-05
path	592714.99	4140464.85	0.56081	0.28388	0.15696	0.24196	0.000148289	Parks/Paths	0.00E+00	5.28E-09	2.82E-09	2.29E-09	1.06E-09	1.01E-09	0.0E+00	1.7E-09	9.3E-10	0.0E+00	1.0E-10	0.0E+00	2.69E-09	0	2.97E-05
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.000687553	Residential	2.38E-07	7.19E-07	4.16E-07	3.77E-07	1.72E-07	1.54E-07	9.4E-09	2.3E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.14E-07	1	1.38E-04
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.000516551	Residential	1.79E-07	5.40E-07	3.13E-07	2.83E-07	1.29E-07	1.15E-07	7.0E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.8E-08	4.62E-07	0	1.03E-04
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.000459029	Residential	1.59E-07	4.80E-07	2.78E-07	2.52E-07	1.15E-07	1.03E-07	6.2E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.7E-08	4.10E-07	0	9.18E-05
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.000443795	Residential	1.54E-07	4.64E-07	2.69E-07	2.43E-07	1.11E-07	9.92E-08	6.0E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.4E-08	3.97E-07	0	8.88E-05
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.000453692	Residential	1.57E-07	4.74E-07	2.75E-07	2.49E-07	1.14E-07	1.01E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.05E-07	0	9.07E-05
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.000496763	Residential	1.72E-07	5.19E-07	3.01E-07	2.72E-07	1.24E-07	1.11E-07	6.8E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.4E-08	4.44E-07	0	9.94E-05
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.000586102	Residential	2.03E-07	6.13E-07	3.55E-07	3.21E-07	1.47E-07	1.31E-07	8.0E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.24E-07	1	1.17E-04
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.00082821	Residential	2.87E-07	8.66E-07	5.01E-07	4.54E-07	2.07E-07	1.85E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.40E-07	1	1.66E-04
offsite	591714.99	4140564.85	10.93829	1.38917	0.36212	0.27662	0.001309834	Residential	4.53E-07	1.37E-06	7.93E-07	7.18E-07	3.28E-07	2.93E-07	1.8E-08	4.3E-07	0.0E+00	4.7E-07	0.0E+00	2.5E-07	1.17E-06	1	2.62E-04
offsite	591814.99	4140564.85	5.08341	1.03982	0.32392	0.27721	0.000702651	Residential	2.43E-07	7.34E-07	4.25E-07	3.85E-07	1.76E-07	1.57E-07	9.6E-09	2.3E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.28E-07	1	1.41E-04
offsite	591914.99	4140564.85	3.31374	0.82289	0.29163	0.27719	0.000502207	Residential	1.74E-07	5.25E-07	3.04E-07	2.75E-07	1.26E-07	1.12E-07	6.8E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.5E-08	4.49E-07	0	1.00E-04
offsite	592014.99	4140564.85	2.30074	0.67452	0.26411	0.27675	0.00038316	Residential	1.33E-07	4.00E-07	2.32E-07	2.10E-07	9.59E-08	8.56E-08	5.2E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.3E-08	3.42E-07	0	7.66E-05
offsite	592114.99	4140564.85	1.70781	0.56694	0.24071	0.27608	0.000309837	Residential	1.07E-07	3.24E-07	1.87E-07	1.70E-07	7.75E-08	6.92E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.77E-07	0	6.20E-05
offsite	592214.99	4140564.85	1.34913	0.48554	0.22049	0.27495	0.000262509	Residential	9.09E-08	2.74E-07	1.59E-07	1.44E-07	6.57E-08	5.87E-08	3.6E-09	8.6E-08	0.0E+00	9.5E-08	0.0E+00	5.0E-08	2.35E-07	0	5.25E-05
offsite	592314.99	4140564.85	1.11598	0.42217	0.20302	0.27345	0.000229737	Residential	7.95E-08	2.40E-07	1.39E-07	1.26E-07	5.75E-08	5.13E-08	3.1E-09	7.5E-08	0.0E+00	8.3E-08	0.0E+00	4.4E-08	2.05E-07	0	4.59E-05
offsite	592414.99	4140564.85	0.94989	0.37164	0.18778	0.27147	0.000205203	Residential	7.10E-08	2.14E-07	1.24E-07	1.13E-07	5.14E-08	4.58E-08	2.8E-09	6.7E-08	0.0E+00	7.4E-08	0.0E+00	3.9E-08	1.83E-07	0	4.10E-05
path	592514.99	4140564.85	0.8165	0.33059	0.17448	0.26884	0.000185139	Parks/Paths	0.00E+00	6.59E-09	3.52E-09	2.86E-09	1.32E-09	1.26E-09	0.0E+00	2.1E-09	1.2E-09	0.0E+00	1.2E-10	0.0E+00	3.36E-09	0	3.70E-05
path	592614.99	4140564.85	0.70008	0.29661	0.16272	0.2652	0.00016763	Parks/Paths	0.00E+00	5.97E-09	3.18E-09	2.59E-09	1.19E-09	1.14E-09	0.0E+00	1.9E-09	1.1E-09	0.0E+00	1.1E-10	0.0E+00	3.04E-09	0	3.35E-05
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.001651079	Residential	5.72E-07	1.73E-06	9.99E-07	9.06E-07	4.13E-07	3.69E-07	2.2E-08	5.4E-07	0.0E+00	6.0E-07	0.0E+00	3.1E-07	1.48E-06	1	3.30E-04
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.000678937	Residential	2.35E-07	7.10E-07	4.11E-07	3.72E-07	1.70E-07	1.52E-07	9.2E-09	2.2E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.07E-07	1	1.36E-04
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.000509916	Residential	1.77E-07	5.33E-07	3.09E-07	2.80E-07	1.28E-07	1.14E-07	6.9E-09	1.7E-07	0.0E+00	1.8E-07	0.0E+00	9.7E-08	4.56E-07	0	1.02E-04
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.000453167	Residential	1.57E-07	4.74E-07	2.74E-07	2.49E-07	1.13E-07	1.01E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.05E-07	0	9.06E-05
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.000435427	Residential	1.51E-07	4.55E-07	2.63E-07	2.39E-07	1.09E-07	9.73E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.3E-08	3.89E-07	0	8.71E-05
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.000444823	Residential	1.54E-07	4.65E-07	2.69E-07	2.44E-07	1.11E-07	9.94E-08	6.0E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.4E-08	3.98E-07	0	8.90E-05
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.000490425	Residential	1.70E-07	5.13E-07	2.97E-07	2.69E-07	1.23E-07	1.10E-07	6.7E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.3E-08	4.38E-07	0	9.81E-05
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.000606919	Residential	2.10E-07	6.34E-07	3.67E-07	3.33E-07	1.52E-07	1.36E-07	8.3E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.42E-07	1	1.21E-04
offsite	591314.99	4140664.85	2.2313	6.67174	0.60105	0.30516	0.001192505	Residential	4.13E-07	1.25E-06	7.22E-07	6.54E-07	2.98E-07	2.66E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.3E-07	1.07E-06	1	2.39E-04
offsite	591914.99	4140664.85	10.44952	0.73481	0.28149	0.30771	0.001174198	Residential	4.06E-07	1.23E-06	7.10E-07	6.44E-07	2.94E-07	2.62E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.2E-07	1.05E-06	1	2.35E-04
offsite	592014.99	4140664.85	3.56423	0.61041	0.2545	0.30574	0.000498715	Residential	1.73E-07	5.21E-07	3.02E-07	2.74E-07	1.25E-07	1.11E-07	6.8E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.5E-08	4.46E-07	0	9.97E-05

Roadway HRA
Project Contribution

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhallation: 3rd trimester	0<2	2<9	2<16	16<30	16-70	Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year): rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592114.99	4140664.85	2.21972	0.51823	0.23183	0.30389	0.000355682	Residential	1.23E-07	3.72E-07	2.15E-07	1.95E-07	8.90E-08	7.95E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.18E-07	0	7.11E-05
offsite	592214.99	4140664.85	1.63705	0.44735	0.21243	0.30176	0.000288312	Residential	9.98E-08	3.01E-07	1.74E-07	1.58E-07	7.22E-08	6.44E-08	3.9E-09	9.5E-08	0.0E+00	1.0E-07	0.0E+00	5.5E-08	2.58E-07	0	5.77E-05
path	592314.99	4140664.85	1.31516	0.39137	0.19591	0.29966	0.000248058	Parks/Paths	0.00E+00	8.83E-09	4.71E-09	3.83E-09	1.77E-09	1.69E-09	0.0E+00	2.8E-09	1.6E-09	0.0E+00	1.7E-10	0.0E+00	4.50E-09	0	4.96E-05
path	592414.99	4140664.85	1.10459	0.3466	0.18136	0.29643	0.000219913	Parks/Paths	0.00E+00	7.83E-09	4.18E-09	3.39E-09	1.57E-09	1.50E-09	0.0E+00	2.5E-09	1.4E-09	0.0E+00	1.5E-10	0.0E+00	3.99E-09	0	4.40E-05
path	592514.99	4140664.85	0.92734	0.30971	0.16864	0.29256	0.000196079	Parks/Paths	0.00E+00	6.98E-09	3.72E-09	3.03E-09	1.40E-09	1.34E-09	0.0E+00	2.2E-09	1.2E-09	0.0E+00	1.3E-10	0.0E+00	3.56E-09	0	3.92E-05
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.001666483	Residential	5.77E-07	1.74E-06	1.01E-06	9.14E-07	4.17E-07	3.72E-07	2.3E-08	5.5E-07	0.0E+00	6.0E-07	0.0E+00	3.2E-07	1.49E-06	1	3.33E-04
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.000682839	Residential	2.36E-07	7.14E-07	4.13E-07	3.75E-07	1.71E-07	1.53E-07	9.3E-09	2.2E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.10E-07	1	1.37E-04
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.000514424	Residential	1.78E-07	5.38E-07	3.11E-07	2.82E-07	1.29E-07	1.15E-07	7.0E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.8E-08	4.60E-07	0	1.03E-04
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.000455716	Residential	1.58E-07	4.76E-07	2.76E-07	2.50E-07	1.14E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.07E-07	0	9.11E-05
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.000440426	Residential	1.52E-07	4.60E-07	2.66E-07	2.42E-07	1.10E-07	9.84E-08	6.0E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.4E-08	3.94E-07	0	8.81E-05
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.000452239	Residential	1.57E-07	4.73E-07	2.74E-07	2.48E-07	1.13E-07	1.01E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.04E-07	0	9.04E-05
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.000517624	Residential	1.79E-07	5.41E-07	3.13E-07	2.84E-07	1.30E-07	1.16E-07	7.0E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.8E-08	4.63E-07	0	1.04E-04
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.000734449	Residential	2.54E-07	7.68E-07	4.44E-07	4.03E-07	1.84E-07	1.64E-07	1.0E-08	2.4E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.56E-07	1	1.47E-04
offsite	592014.99	4140764.85	6.87477	0.55498	0.24466	0.33969	0.000811128	Residential	2.81E-07	8.48E-07	4.91E-07	4.45E-07	2.03E-07	1.81E-07	1.1E-08	2.7E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.25E-07	1	1.62E-04
path	592114.99	4140764.85	3.07953	0.47503	0.2229	0.33659	0.000436147	Parks/Paths	0.00E+00	1.55E-08	8.28E-09	6.73E-09	3.11E-09	2.98E-09	0.0E+00	4.9E-09	2.7E-09	0.0E+00	2.9E-10	0.0E+00	7.91E-09	0	8.72E-05
path	592214.99	4140764.85	2.08739	0.41318	0.20444	0.33305	0.000330826	Parks/Paths	0.00E+00	1.18E-08	6.28E-09	5.11E-09	2.36E-09	2.26E-09	0.0E+00	3.7E-09	2.1E-09	0.0E+00	2.2E-10	0.0E+00	6.00E-09	0	6.62E-05
path	592314.99	4140764.85	1.63289	0.36343	0.18843	0.3294	0.000278556	Parks/Paths	0.00E+00	9.92E-09	5.29E-09	4.30E-09	1.98E-09	1.90E-09	0.0E+00	3.1E-09	1.7E-09	0.0E+00	1.9E-10	0.0E+00	5.05E-09	0	5.57E-05
offsite	590714.99	4140864.85	0.90408	0.66981	2.33819	0.37835	0.000526846	Residential	1.82E-07	5.51E-07	3.19E-07	2.89E-07	1.32E-07	1.18E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.71E-07	0	1.05E-04
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.000467245	Residential	1.62E-07	4.88E-07	2.83E-07	2.56E-07	1.17E-07	1.04E-07	6.4E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.9E-08	4.18E-07	0	9.34E-05
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.000454696	Residential	1.57E-07	4.75E-07	2.75E-07	2.49E-07	1.14E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.06E-07	0	9.09E-05
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.000481289	Residential	1.67E-07	5.03E-07	2.91E-07	2.64E-07	1.20E-07	1.08E-07	6.5E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.1E-08	4.30E-07	0	9.63E-05
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.000588776	Residential	2.04E-07	6.15E-07	3.56E-07	3.23E-07	1.47E-07	1.32E-07	8.0E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.26E-07	1	1.18E-04
offsite	591214.99	4140864.85	1.29664	8.59958	0.66601	0.41344	0.001376182	Residential	4.76E-07	1.44E-06	8.33E-07	7.55E-07	3.44E-07	3.07E-07	1.9E-08	4.5E-07	0.0E+00	5.0E-07	0.0E+00	2.6E-07	1.23E-06	1	2.75E-04
Phase7	591314.99	4140864.85	1.42654	5.62814	0.56007	0.41045	0.000993724	Daycare	8.19E-08	2.72E-07	1.45E-07	1.18E-07	5.45E-08	5.22E-08	3.2E-09	8.6E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.16E-07	0	1.99E-04
path	591914.99	4140864.85	5.18803	0.59501	0.25766	0.38347	0.000664241	Parks/Paths	0.00E+00	2.37E-08	1.26E-08	1.03E-08	4.73E-09	4.53E-09	0.0E+00	7.4E-09	4.2E-09	0.0E+00	4.5E-10	0.0E+00	1.20E-08	0	1.33E-04
path	592114.99	4140864.85	5.25384	0.43635	0.21317	0.37399	0.000643048	Parks/Paths	0.00E+00	2.29E-08	1.22E-08	9.92E-09	4.58E-09	4.39E-09	0.0E+00	7.2E-09	4.0E-09	0.0E+00	4.3E-10	0.0E+00	1.17E-08	0	1.29E-04
Phase5	590714.99	4140964.85	0.81493	0.74878	2.31683	0.49909	0.000545111	Daycare	4.49E-08	1.49E-07	7.97E-08	6.47E-08	2.99E-08	2.86E-08	1.8E-09	4.7E-08	1.5E-08	0.0E+00	0.0E+00	0.0E+00	6.37E-08	0	1.09E-04
Phase5	590814.99	4140964.85	0.83379	0.88609	1.58334	0.51162	0.000474195	Daycare	3.91E-08	1.30E-07	6.93E-08	5.63E-08	2.60E-08	2.49E-08	1.5E-09	4.1E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.54E-08	0	9.48E-05
Phase5	590914.99	4140964.85	0.91505	1.24463	1.21985	0.50918	0.000481766	Daycare	3.97E-08	1.32E-07	7.04E-08	5.72E-08	2.64E-08	2.53E-08	1.6E-09	4.1E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.63E-08	0	9.64E-05
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.000531151	Residential	1.84E-07	5.55E-07	3.21E-07	2.91E-07	1.33E-07	1.19E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.75E-07	0	1.06E-04
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.000768551	Residential	2.66E-07	8.03E-07	4.65E-07	4.22E-07	1.92E-07	1.72E-07	1.0E-08	2.5E-07	0.0E+00	2.8E-07	0.0E+00	1.5E-07	6.87E-07	1	1.54E-04
Phase7	591314.99	4140964.85	1.21455	3.18739	0.52992	0.48559	0.000668791	Daycare	5.51E-08	1.83E-07	9.77E-08	7.94E-08	3.66E-08	3.51E-08	2.2E-09	5.8E-08	1.8E-08	0.0E+00	0.0E+00	0.0E+00	7.82E-08	0	1.34E-04
Phase7	591414.99	4140964.85	1.32649	1.82344	0.44189	0.47575	0.000491904	Daycare	4.05E-08	1.35E-07	7.19E-08	5.84E-08	2.70E-08	2.58E-08	1.6E-09	4.2E-08	1.4E-08	0.0E+00	0.0E+00	0.0E+00	5.75E-08	0	9.84E-05
Phase8	591514.99	4140964.85	1.45834	1.26834	0.38068	0.46563	0.00042396	Daycare	3.49E-08	1.16E-07	6.19E-08	5.03E-08	2.32E-08	2.23E-08	1.4E-09	3.7E-08	1.2E-08	0.0E+00	0.0E+00	0.0E+00	4.96E-08	0	8.48E-05
Phase8	591614.99	4140964.85	1.6083	0.97352	0.34277	0.45232	0.000393538	Daycare	3.24E-08	1.08E-07	5.75E-08	4.67E-08	2.16E-08	2.07E-08	1.3E-09	3.4E-08	1.1E-08	0.0E+00	0.0E+00	0.0E+00	4.60E-08	0	7.87E-05
path	591914.99	4140964.85	3.37142	0.53894	0.24442	0.43132	0.00049001	Parks/Paths	0.00E+00	1.75E-08	9.31E-09	7.56E-09	3.49E-09	3.35E-09	0.0E+00	5.5E-09	3.1E-09	0.0E+00	3.3E-10	0.0E+00	8.89E-09	0	9.80E-05
offsite	592014.99	4140964.85	6.49538	0.46182	0.22203	0.42478	0.000773812	Residential	2.68E-07	8.09E-07	4.68E-07	4.24E-07	1.94E-07	1.73E-07	1.1E-08	2.5E-07	0.0E+00	2.8E-07	0.0E+00	1.5E-07	6.92E-07	1	1.55E-04
Phase5	590714.99	4141064.85	0.72377	0.81963	2.24297	0.65508	0.000561175	Daycare	4.63E-08	1.54E-07	8.20E-08	6.66E-08	3.07E-08	2.95E-08	1.8E-09	4.8E-08	1.5E-08	0.0E+00	0.0E+00	0.0E+00	6.56E-08	0	1.12E-04
Phase5	590814.99	4141064.85	0.75236	0.94849	1.4133	0.62764	0.000471601	Daycare	3.89E-08	1.29E-07	6.89E-08	5.60E-08	2.58E-08	2.48E-08	1.5E-09	4.1E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.51E-08	0	9.43E-05
Phase5	590914.99	4141064.85	0.80363	1.33396	1.10899	0.63147	0.000488221	Daycare	4.02E-08	1.34E-07	7.13E-08	5.80E-08	2.68E-08	2.56E-08	1.6E-09	4.2E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.71E-08	0	9.76E-05
Phase5	591014.99	4141064.85	0.85389	2.16383	0.87437	0.62034	0.000568107	Daycare	4.68E-08	1.56E-07	8.30E-08	6.74E-08	3.11E-08	2.98E-08	1.8E-09	4.9E-08	1.6E-08	0.0E+00	0.0E+00	0.0E+00	6.64E-08	0	1.14E-04
Phase7	591214.99	4141064.85	0.991	4.86026	0.59714	0.57695	0.000885083	Daycare	7.29E-08	2.42E-07	1.29E-07	1.05E-07	4.85E-08	4.65E-08	2.9E-09	7.6E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.03E-07	0	1.77E-04
Phase7	591314.99	4141064.85	1.06395	2.20454	0.4846	0.56748	0.000535817	Daycare	4.42E-08	1.47E-07	7.83E-08	6.36E-08	2.94E-08	2.81E-08	1.7E-09	4.6E-08	1.5E-08	0.0E+00	0.0E+00	0.0E+00	6.26E-08	0	1.07E-04
Phase7	591414.99	4141064.85	1.13226	1.42228	0.40726	0.53866	0.000427671	Daycare	3.52E-08	1.17E-07	6.25E-08	5.08E-08	2.34E-08	2.25E-08	1.4E-09	3.7E-08	1.2E-08	0.0E+00	0.0E+00	0.0E+00	5.00E-08	0	8.55E-05
Phase8	591514.99	4141064.85	1.23404	1.05573	0.34975	0.52408	0.000380792	Daycare	3.14E-08	1.04E-07	5.56E-08	4.52E-08	2.09E-08	2.00E-08	1.2E-09	3.3E-08	1.0E-08	0.0E+00	0.0E+00	0.0E+00	4.45E-08	0	7.62E-05
Phase8	591614.99	4141064.85	1.37544	0.83569	0.30539	0.51456	0.000358939	Daycare	2.96E-08	9.83E-08	5.24E-08	4.26E-08	1.97E-08	1.88E-08	1.2E-09	3.1E-08	9.9E-09	0.0E+00	0.0E+00	0.0E+00	4.20E-08	0	7.18E-05
Phase8	591714.99	4141064.85	1.59145	0.69287	0.28386	0.5096	0.000357697	Daycare	2.95E-08	9.80E-08	5.23E-08	4.25E-08	1.96E-08	1.88E-08	1.2E-09	3.1E-08	9.9E-09	0.0E+00	0.0E+00	0.0E+00	4.18E-08	0	7.15E-05
path	591814.99	4141064.85	1.89556	0.57616	0.25559	0.49832	0.000366335	Parks/Paths	0.00E+00	1.30E-08	6.96E-09	5.65E-09	2.61E-09	2.50E-09	0.0E+00	4.1E-09	2.3E-09	0.0E+00	2.5E-10	0.0E+00	6.64E-09	0	7.33E-05
offsite	591914.99	4141064.85	2.41673	0.48979	0.23101	0.48968	0.000400424	Residential	1.39E-07	4.19E-07	2.42E-07	2.20E-07	1.00E-07	8.95E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.6E-08	3.58E-07	0	8.01E-05
offsite	592014.99	4141064.85	3.27292	0.42304	0.21038	0.48094	0.000469422	Residential	1.62E-07	4.91E-07	2.84E-07	2.57E-07	1.17E-07	1.05E-07	6.4E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.9E-08	4.20E-07	0	9.39E-05
offsite	592114.99	4141064.85	4.71179	0.37021	0.19296	0.47243	0.000596145	Residential	2.06E-07	6.23E-07	3.61E-07	3.27E-07	1.49E-07	1.33E-07	8.1E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.1E-07	5.33E-07	1	1.19E-04
offsite	592214.99	4141064.85	6.96192	0.32767	0.17806	0.46392	0.000801776	Residential	2.78E-07	8.38E-07	4.85E-07	4.40E-07	2.01E-07	1.79E-07	1.1E-08	2.6E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.17E-07	1	1.60E-04
offsite	592314.99	4141064.85	6.35648	0.29284	0.16511	0.45462	0.000736524	Residential	2.55E-07	7.70E-07	4.46E-07	4.04E-07	1.84E-07	1.65E-07	1.0E-08	2.4E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.58E-07	1	1.47E-04
Phase5	590714.99	4141164.85	0.66605	0.89022	2.05619	0.89998	0.000580404	Daycare	4.78E-08	1.59E-07	8.48E-08	6.89E-08	3.18E-08	3.05E-08	1.9E-09	5.0E-08	1.6E-08	0.0E+00	0.0E+00	0.0E+00	6.78E-08	0	1.16E-04
Phase5	590814.99	4141164.85	0.68612	1.08247	1.32866	0.80726	0.000500558	Daycare	4.13E-08	1.37E-07	7.31E-08	5.94E-08	2.74E-08	2.63E-08	1.6E-09	4.3E-08	1.4E-08	0.0E+00	0.0E+00	0.0E+00	5.85E-08	0	1.00E-04
Phase5	590914.99	4141164.85	0.73002	1.62278	1.02757	0.79118	0.00053355	Daycare	4.40E-08	1.46E-07	7.80E-08	6.33E-08	2.92E-08	2.80E-08	1.7E-09	4.6E-08	1.5E-08	0.0E+00	0.0E+00	0.0E+00	6.24E-08	0	1.07E-04
offsite	591014.99	4141164.85	0.78454	3.95294	0.81699	0.78597	0.000810192	Residential	2.80E-07	8.47E-07	4.90E-07	4.44E-07	2.03E-07	1.81E-07	1.1E-08	2.7E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.24E-07	1	1.62E-04
Phase6	591114.99	4141164.85	0.82837	11.31349	0.67388	0.72279	0.001730063	Daycare	1.43E-07	4.74E-07	2.53E-07	2.05E-07	9.48E-08	9.08E-08	5.6E-09	1.5E-07	4.8E-08	0.0E+00	0.0E+00	0.0E+00	2.02E-07	0	3.46E-04
Phase6	591214.99	4141164.85	0.88623	2.90624	0.53448	0.69924	0.000636227	Daycare	5.24E-08	1.74E-07	9.30E-08	7.55E-08	3.49E-08	3.34E-08	2.1E-09	5.5E-08	1.8E-08	0.0E+00	0.0E+00	0.0E+00	7.44E-08	0	1.27E-04
Phase7	591314.99	4141164.85	0.93648	1.68259	0.44042	0.65306	0.00046488	Daycare	3.83E-08	1.27E-07	6.79E-08	5.52E-08	2.55E-08	2.44E-08	1.5E-09	4.0E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.43E-08	0	9.30E-05
Phase8	591414.99	4141164.85	0.98925	1.17518	0.37019	0.63033	0.000392366	Daycare	3.23E-08	1.07E-07	5.73E-08	4.66E-08	2.15E-08	2.06E-08	1.3E-09	3.4E-08	1.1E-08	0.0E+00	0.0E+00	0.0E+00	4.59E-08	0	7.85E-05
Phase8	591514.99	4141164.85	1.07605	0.90795	0.31955	0.60262	0.00035556	Daycare	2.93E-08	9.74E-08	5.20E-08	4.22E-08	1.95E-08	1.87E-08	1.2E-09	3.1E-08	9.8E-09	0.0E+00	0.0E+00	0.0E+00	4.16E-08	0	7.11E-05
Phase8	591614.99	4141164.85	1.19651	0.74458	0.28195	0.59838	0.000340674	Daycare	2.81E-08	9.33E-08	4.98E-08	4.04E-08	1.87E-08	1.79E-08	1.1E-09	2.9E-08	9.4E-09	0.0E+00	0.0E+00	0.0E+00	3.98E-08	0	6.81E-05
path	591714.99	4141164.85	1.32593	0.6184	0.26693	0.58496	0.000332784	Parks/Paths	0.00E+00	1.19E-08	6.32E-09	5.14E-09	2.37E-09	2.27E-09	0.0E+00	3.7E-09	2.1E-09	0.0E+00	2.2E-10	0.0E+00	6.03E-09	0	6.66E-05
path	591814.99	4141164.85	1.51764	0.52094	0.23982	0.57369	0.000333332	Parks/Paths	0.00E+00	1.19E-08	6.33E-09	5.14E-09	2.37E-09	2.28E-09	0.0E+00	3.7E-09	2.1E-09	0.0E+00	2.2E-10	0.0E+00	6.04E-09	0	6.67E-05
offsite	591914.99	4141164.85	1.76524	0.4468	0.21761	0.56265	0.000342847	Residential	1.19E-07	3.58E-07	2.07E-07	1.88E-07	8.58E-08	7.66E-08	4.7E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.06E-07	0	6.86E-05
offsite	592014.99	4141164.85	2.04461	0.38854	0.19887	0.55136	0.000357821	Residential	1.24E-07	3.74E-07	2.17E-07	1.96E-07	8.96E-08	7.99E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.8E-08	3.20E-07	0	7.16E-05
offsite	592114.99	4141164.85	2.27258	0.34199	0.18303	0.54009	0.000369769	Residential	1.28E-07	3.86E-07	2.24E-07	2.03E-07	9.25E-08	8.26E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	7.0E-08	3.30E-07	0	7.40E-05
offsite	592214.99	4141164.85	2.18962	0.30421	0.1694	0.52879	0.000353499	Residential	1.22E-07	3.69E-07	2.14E-07	1.94E-07	8.85E-08	7.90E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.16E-07	0	7.07E-05
offsite	592314.99	4141164.85	1.60857	0.27322	0.15771	0.51642	0.00029073	Residential	1.01E-07	3.04E-07	1.76E-07	1.59E-07	7.28E-08	6.50E-08	4.0E-09	9.6E-08	0.0E+00	1.1E-07	0.0E+00	5.5E-08	2.60E-07	0	5.81E-05
offsite	590714.99	4141264.85	0.61468	1.05837	2.0248	1.28793	0.000655195	Residential	2.27E-07	6.85E-07	3.96E-07	3.59E-07	1.64E-07	1.46E-07	8.9E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.2E-07	5.86E-07	1	1.31E-04
offsite	590814.99	4141264.85	0.65479	1.55973	1.39467	1.15212	0.000622259	Residential	2.15E-07	6.50E-07	3.77E-07	3.41E-07	1.56E-07	1.39E-07	8.5E-09	2.0E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.56E-07	1	1.24E-04
offsite	590914.99	4141264.85	0.67348	2.36037	0.96176	1.04814	0.000655575	Residential	2.27E-07	6.85E-07	3.97E-07	3.60E-07	1.64E-07	1.46E-07	8.9E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.2E-07	5.86E-07	1	1.31E-04
Phase6	591114.99	4141264.85	0.74824	4.34735	0.61261	0.88335	0.000847165	Daycare	6.98E-08	2.32E-07	1.24E-07	1.01E-07	4.64E-08	4.45E-08	2.7E-09	7.3E-08	2.3E-08	0.0E+00	0.0E+00	0.0E+00	9.90E-08	0	1.69E-04
offsite	591214.99	4141264.85	0.79777	2.0811	0.4763	0.8377	0.000536827	Residential	1.86E-07	5.61E-07	3.25E-07	2.94E-07	1.34E-07	1.20E-07	7.3E-09	1.8E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.80E-07	0	1.07E-04
Phase6	591314.99	4141264.85	0.83815	1.37172	0.39583	0.76613	0.000428132	Daycare	3.53E-08	1.17E-07	6.26E-08	5.08E-08	2.35E-08	2.25E-08	1.4E-09	3.7E-08	1.2E-08	0.0E+00	0.0E+00	0.0E+00	5.00E-08	0	8.56E-05
Phase6	591414.99	4141264.85	0.89158	1.02073	0.33682	0.72958	0.000374939	Daycare	3.09E-08	1.03E-07	5.48E-08	4.45E-08	2.05E-08	1.97E-08	1.2E-09	3.2E-08	1.0E-08	0.0E+00	0.0E+00	0.0E+00	4.38E-08	0	7.50E-05
Phase8	591514.99	4141264.85	0.95529	0.81218	0.29437	0.71291	0.000346255	Daycare	2.85E-08	9.49E-08	5.06E-08	4.11E-08	1.90E-08	1.82E-08	1.1E-09	3.0E-08	9.5E-09	0.0E+00	0.0E+00	0.0E+00	4.05E-08	0	6.93E-05
path	591614.99	4141264.85	1.01647	0.66847	0.27815	0.7011	0.000329724	Parks/Paths	0.00E+00	1.17E-08	6.26E-09	5.09E-09	2.35E-09	2.25E-09	0.0E+00	3.7E-09	2.1E-09	0.0E+00	2.2E-10	0.0E+00	5.98E-09	0	6.59E-05
path	591714.99	4141264.85	1.10535	0.55716	0.2487	0.68547	0.000317709	Parks/Paths	0.00E+00	1.13E-08	6.04E-09	4.90E-09	2.26E-09	2.17E-09	0.0E+00	3.6E-09	2.0E-09	0.0E+00	2.1E-10	0.0E+00	5.76E-09	0	6.35E-05
offsite	591814.99	4141264.85	1.20513	0.47348	0.22457	0.67137	0.00031119	Residential	1.08E-07	3.25E-07	1.88E-07	1.71E-07	7.79E-08	6.95E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.78E-07	0	6.22E-05
offsite	591914.99	4141264.85	1.3004	0.40866	0.20454	0.65751	0.000307213	Residential	1.06E-07	3.21E-07	1.86E-07	1.69E-07	7.69E-08	6.86E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.75E-07	0	6.14E-05
offsite	592014.99	4141264.85	1.35823	0.35748	0.18781	0.64306	0.000301741	Residential	1.04E-07	3.15E-07	1.83E-07	1.66E-07	7.55E-08	6.74E-08	4.1E-09	9.9E-08	0.0E+00	1.1E-07	0.0E+00	5.7E-08	2.70E-07	0	6.03E-05
offsite	592114.99	4141264.85	1.32263	0.31633	0.17351	0.62793	0.000288853	Residential	1.00E-07	3.02E-07	1.75E-07	1.58E-07	7.23E-08	6.45E-08	3.9E-09	9.5E-08	0.0E+00	1.0E-07	0.0E+00	5.5E-08	2.58E-07	0	5.78E-05
offsite	592214.99	4141264.85	1.14392	0.2828	0.1612	0.61267	0.00026354	Residential	9.12E-08	2.75E-07	1.59E-07	1.45E-07	6.60E-08	5.89E-08	3.6E-09	8.7E-08	0.0E+00	9.5E-08	0.0E+00	5.0E-08	2.36E-07	0	5.27E-05

Roadway HRA
Project Contribution

	AERMOD Output						Concentration (AVERAGE CONC)		Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								CHRONIC
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				[ug/m^3] - SCALED	Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	HAZARD QUOTIENT
offsite	592314.99	4141264.85	0.86606	0.2551	0.15047	0.59552	0.000229428	Residential	7.94E-08	2.40E-07	1.39E-07	1.26E-07	5.74E-08	5.13E-08	3.1E-09	7.5E-08	0.0E+00	8.3E-08	0.0E+00	4.3E-08	2.05E-07	0	4.59E-05
offsite	592414.99	4141264.85	0.62559	0.23188	0.14097	0.57329	0.000198793	Residential	6.88E-08	2.08E-07	1.20E-07	1.09E-07	4.98E-08	4.44E-08	2.7E-09	6.5E-08	0.0E+00	7.2E-08	0.0E+00	3.8E-08	1.78E-07	0	3.98E-05
Phase6	591014.99	4141364.85	0.65236	8.39915	0.6796	1.22889	0.001421301	Daycare	1.17E-07	3.89E-07	2.08E-07	1.69E-07	7.79E-08	7.46E-08	4.6E-09	1.2E-07	3.9E-08	0.0E+00	0.0E+00	0.0E+00	1.66E-07	0	2.84E-04
Phase6	591114.99	4141364.85	0.6702	2.37905	0.49166	1.07077	0.000602107	Daycare	4.96E-08	1.65E-07	8.80E-08	7.15E-08	3.30E-08	3.16E-08	1.9E-09	5.2E-08	1.7E-08	0.0E+00	0.0E+00	0.0E+00	7.04E-08	0	1.20E-04
Phase6	591214.99	4141364.85	0.70511	1.58532	0.40963	0.98857	0.000480177	Daycare	3.96E-08	1.32E-07	7.02E-08	5.70E-08	2.63E-08	2.52E-08	1.6E-09	4.1E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.61E-08	0	9.60E-05
Phase6	591314.99	4141364.85	0.7409	1.14861	0.34711	0.92318	0.000409256	Daycare	3.37E-08	1.12E-07	5.98E-08	4.86E-08	2.24E-08	2.15E-08	1.3E-09	3.5E-08	1.1E-08	0.0E+00	0.0E+00	0.0E+00	4.78E-08	0	8.19E-05
Phase6	591414.99	4141364.85	0.79013	0.89426	0.30309	0.87162	0.000367541	Daycare	3.03E-08	1.01E-07	5.37E-08	4.36E-08	2.01E-08	1.93E-08	1.2E-09	3.2E-08	1.0E-08	0.0E+00	0.0E+00	0.0E+00	4.30E-08	0	7.35E-05
Phase6	591514.99	4141364.85	0.82169	0.72991	0.28894	0.86575	0.000346752	Daycare	2.86E-08	9.50E-08	5.07E-08	4.12E-08	1.90E-08	1.82E-08	1.1E-09	3.0E-08	9.6E-09	0.0E+00	0.0E+00	0.0E+00	4.05E-08	0	6.94E-05
path	591614.99	4141364.85	0.86752	0.5993	0.25697	0.8421	0.000326562	Parks/Paths	0.00E+00	1.16E-08	6.20E-09	5.04E-09	2.33E-09	2.23E-09	0.0E+00	3.7E-09	2.0E-09	0.0E+00	2.2E-10	0.0E+00	5.92E-09	0	6.53E-05
offsite	591714.99	4141364.85	0.91431	0.50354	0.2312	0.82312	0.000312459	Residential	1.08E-07	3.27E-07	1.89E-07	1.71E-07	7.82E-08	6.98E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.79E-07	0	6.25E-05
offsite	591814.99	4141364.85	0.95406	0.43077	0.21006	0.80569	0.000301464	Residential	1.04E-07	3.15E-07	1.82E-07	1.65E-07	7.54E-08	6.74E-08	4.1E-09	9.9E-08	0.0E+00	1.1E-07	0.0E+00	5.7E-08	2.69E-07	0	6.03E-05
offsite	591914.99	4141364.85	0.97257	0.37412	0.19233	0.78766	0.000290847	Residential	1.01E-07	3.04E-07	1.76E-07	1.60E-07	7.28E-08	6.50E-08	4.0E-09	9.6E-08	0.0E+00	1.1E-07	0.0E+00	5.5E-08	2.60E-07	0	5.82E-05
offsite	592014.99	4141364.85	0.95079	0.32912	0.1773	0.76807	0.000277976	Residential	9.62E-08	2.91E-07	1.68E-07	1.52E-07	6.96E-08	6.21E-08	3.8E-09	9.1E-08	0.0E+00	1.0E-07	0.0E+00	5.3E-08	2.48E-07	0	5.56E-05
offsite	592114.99	4141364.85	0.87206	0.29278	0.16446	0.74714	0.000260852	Residential	9.03E-08	2.73E-07	1.58E-07	1.43E-07	6.53E-08	5.83E-08	3.5E-09	8.6E-08	0.0E+00	9.4E-08	0.0E+00	4.9E-08	2.33E-07	0	5.22E-05
offsite	592214.99	4141364.85	0.7397	0.26302	0.15333	0.72574	0.000239604	Residential	8.29E-08	2.50E-07	1.45E-07	1.31E-07	6.00E-08	5.35E-08	3.3E-09	7.9E-08	0.0E+00	8.7E-08	0.0E+00	4.5E-08	2.14E-07	0	4.79E-05
offsite	592314.99	4141364.85	0.58987	0.23837	0.14363	0.70099	0.000216991	Residential	7.51E-08	2.27E-07	1.31E-07	1.19E-07	5.43E-08	4.85E-08	3.0E-09	7.1E-08	0.0E+00	7.9E-08	0.0E+00	4.1E-08	1.94E-07	0	4.34E-05
offsite	592414.99	4141364.85	0.46652	0.2177	0.1351	0.66723	0.000196116	Residential	6.79E-08	2.05E-07	1.19E-07	1.08E-07	4.91E-08	4.38E-08	2.7E-09	6.4E-08	0.0E+00	7.1E-08	0.0E+00	3.7E-08	1.75E-07	0	3.92E-05
offsite	592514.99	4141364.85	0.38163	0.20008	0.12738	0.62195	0.000177554	Residential	6.15E-08	1.86E-07	1.07E-07	9.74E-08	4.44E-08	3.97E-08	2.4E-09	5.8E-08	0.0E+00	6.4E-08	0.0E+00	3.4E-08	1.59E-07	0	3.55E-05
Phase6	591014.99	4141464.85	0.59376	4.36886	0.53654	1.58524	0.000937939	Daycare	7.73E-08	2.57E-07	1.37E-07	1.11E-07	5.14E-08	4.93E-08	3.0E-09	8.1E-08	2.6E-08	0.0E+00	0.0E+00	0.0E+00	1.10E-07	0	1.88E-04
Phase6	591114.99	4141464.85	0.60882	2.00352	0.42083	1.36007	0.000585482	Daycare	4.83E-08	1.60E-07	8.55E-08	6.95E-08	3.21E-08	3.07E-08	1.9E-09	5.0E-08	1.6E-08	0.0E+00	0.0E+00	0.0E+00	6.84E-08	0	1.17E-04
Phase6	591214.99	4141464.85	0.63224	1.33263	0.35371	1.22311	0.000471324	Daycare	3.88E-08	1.29E-07	6.89E-08	5.60E-08	2.58E-08	2.47E-08	1.5E-09	4.1E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.51E-08	0	9.43E-05
Phase6	591314.99	4141464.85	0.6678	1.00537	0.31023	1.14619	0.000414967	Daycare	3.42E-08	1.14E-07	6.06E-08	4.93E-08	2.27E-08	2.18E-08	1.3E-09	3.6E-08	1.1E-08	0.0E+00	0.0E+00	0.0E+00	4.85E-08	0	8.30E-05
Phase6	591414.99	4141464.85	0.69903	0.80706	0.29278	1.11843	0.000385875	Daycare	3.18E-08	1.06E-07	5.64E-08	4.58E-08	2.11E-08	2.03E-08	1.2E-09	3.3E-08	1.1E-08	0.0E+00	0.0E+00	0.0E+00	4.51E-08	0	7.72E-05
path	591514.99	4141464.85	0.71384	0.64925	0.26463	1.0815	0.000357598	Parks/Paths	0.00E+00	1.27E-08	6.79E-09	5.52E-09	2.55E-09	2.44E-09	0.0E+00	4.0E-09	2.2E-09	0.0E+00	2.4E-10	0.0E+00	6.48E-09	0	7.15E-05
offsite	591614.99	4141464.85	0.7375	0.53729	0.23742	1.05328	0.000337555	Residential	1.17E-07	3.53E-07	2.04E-07	1.85E-07	8.45E-08	7.54E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.4E-08	3.02E-07	0	6.75E-05
offsite	591714.99	4141464.85	0.75438	0.45455	0.21466	1.02588	0.000321304	Residential	1.11E-07	3.36E-07	1.94E-07	1.76E-07	8.04E-08	7.18E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.1E-08	2.87E-07	0	6.43E-05
offsite	591814.99	4141464.85	0.76039	0.39183	0.19646	1.00272	0.000307838	Residential	1.07E-07	3.22E-07	1.86E-07	1.69E-07	7.70E-08	6.88E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.75E-07	0	6.16E-05
offsite	591914.99	4141464.85	0.74509	0.34243	0.18082	0.97755	0.00029405	Residential	1.02E-07	3.07E-07	1.78E-07	1.61E-07	7.36E-08	6.57E-08	4.0E-09	9.7E-08	0.0E+00	1.1E-07	0.0E+00	5.6E-08	2.63E-07	0	5.88E-05
offsite	592014.99	4141464.85	0.70203	0.30304	0.16746	0.94994	0.000278799	Residential	9.65E-08	2.91E-07	1.69E-07	1.53E-07	6.98E-08	6.23E-08	3.8E-09	9.2E-08	0.0E+00	1.0E-07	0.0E+00	5.3E-08	2.49E-07	0	5.58E-05
offsite	592114.99	4141464.85	0.62988	0.27108	0.15596	0.91933	0.000261483	Residential	9.05E-08	2.73E-07	1.58E-07	1.43E-07	6.54E-08	5.84E-08	3.6E-09	8.6E-08	0.0E+00	9.5E-08	0.0E+00	5.0E-08	2.34E-07	0	5.23E-05
offsite	592214.99	4141464.85	0.53861	0.2448	0.14596	0.88739	0.000243051	Residential	8.41E-08	2.54E-07	1.47E-07	1.33E-07	6.08E-08	5.43E-08	3.3E-09	8.0E-08	0.0E+00	8.8E-08	0.0E+00	4.6E-08	2.17E-07	0	4.86E-05
offsite	592314.99	4141464.85	0.44764	0.22292	0.13718	0.84919	0.000224363	Residential	7.77E-08	2.35E-07	1.36E-07	1.23E-07	5.62E-08	5.01E-08	3.1E-09	7.4E-08	0.0E+00	8.1E-08	0.0E+00	4.3E-08	2.01E-07	0	4.49E-05
offsite	592414.99	4141464.85	0.37294	0.20445	0.12934	0.79432	0.000205113	Residential	7.10E-08	2.14E-07	1.24E-07	1.13E-07	5.13E-08	4.58E-08	2.8E-09	6.7E-08	0.0E+00	7.4E-08	0.0E+00	3.9E-08	1.83E-07	0	4.10E-05
Phase6	591214.99	4141564.85	0.57827	1.16519	0.31875	1.64789	0.000508279	Daycare	4.19E-08	1.39E-07	7.43E-08	6.03E-08	2.79E-08	2.67E-08	1.6E-09	4.4E-08	1.4E-08	0.0E+00	0.0E+00	0.0E+00	5.94E-08	0	1.02E-04
Phase6	591314.99	4141564.85	0.59799	0.88841	0.28872	1.55366	0.00045581	Daycare	3.76E-08	1.25E-07	6.66E-08	5.41E-08	2.50E-08	2.39E-08	1.5E-09	3.9E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.33E-08	0	9.12E-05
path	591414.99	4141564.85	0.60732	0.70773	0.27123	1.49882	0.000422555	Parks/Paths	0.00E+00	1.50E-08	8.03E-09	6.52E-09	3.01E-09	2.88E-09	0.0E+00	4.7E-09	2.6E-09	0.0E+00	2.8E-10	0.0E+00	7.66E-09	0	8.45E-05
path	591514.99	4141564.85	0.61934	0.5753	0.24262	1.44634	0.00039472	Parks/Paths	0.00E+00	1.41E-08	7.50E-09	6.09E-09	2.81E-09	2.69E-09	0.0E+00	4.4E-09	2.5E-09	0.0E+00	2.7E-10	0.0E+00	7.16E-09	0	7.89E-05
offsite	591614.99	4141564.85	0.62621	0.4803	0.21897	1.40156	0.000373051	Residential	1.29E-07	3.90E-07	2.26E-07	2.05E-07	9.34E-08	8.33E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.1E-08	3.33E-07	0	7.46E-05
offsite	591714.99	4141564.85	0.62611	0.40997	0.19973	1.36215	0.000355296	Residential	1.23E-07	3.71E-07	2.15E-07	1.95E-07	8.89E-08	7.94E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.18E-07	0	7.11E-05
offsite	591814.99	4141564.85	0.61439	0.3559	0.1836	1.32123	0.000338669	Residential	1.17E-07	3.54E-07	2.05E-07	1.86E-07	8.48E-08	7.57E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.4E-08	3.03E-07	0	6.77E-05
offsite	591914.99	4141564.85	0.58721	0.31319	0.16981	1.28259	0.000322685	Residential	1.12E-07	3.37E-07	1.95E-07	1.77E-07	8.08E-08	7.21E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.1E-08	2.88E-07	0	6.45E-05
offsite	592014.99	4141564.85	0.54334	0.27891	0.15798	1.24104	0.000305974	Residential	1.06E-07	3.20E-07	1.85E-07	1.68E-07	7.66E-08	6.84E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.73E-07	0	6.12E-05
offsite	592114.99	4141564.85	0.48553	0.25101	0.14776	1.19206	0.000287766	Residential	9.96E-08	3.01E-07	1.74E-07	1.58E-07	7.20E-08	6.43E-08	3.9E-09	9.5E-08	0.0E+00	1.0E-07	0.0E+00	5.5E-08	2.57E-07	0	5.76E-05
offsite	592214.99	4141564.85	0.42137	0.22786	0.13875	1.14124	0.000269421	Residential	9.33E-08	2.82E-07	1.63E-07	1.48E-07	6.74E-08	6.02E-08	3.7E-09	8.9E-08	0.0E+00	9.8E-08	0.0E+00	5.1E-08	2.41E-07	0	5.39E-05
offsite	592314.99	4141564.85	0.36115	0.20876	0.13108	1.07543	0.000249741	Residential	8.65E-08	2.61E-07	1.51E-07	1.37E-07	6.25E-08	5.58E-08	3.4E-09	8.2E-08	0.0E+00	9.0E-08	0.0E+00	4.7E-08	2.23E-07	0	4.99E-05
path	591414.99	4141664.85	0.53541	0.61467	0.24655	2.28387	0.000526278	Parks/Paths	0.00E+00	1.87E-08	1.00E-08	8.12E-09	3.75E-09	3.59E-09	0.0E+00	5.9E-09	3.3E-09	0.0E+00	3.5E-10	0.0E+00	9.54E-09	0	1.05E-04
offsite	591514.99	4141664.85	0.5376	0.50627	0.22254	2.19125	0.000494745	Residential	1.71E-07	5.17E-07	2.99E-07	2.71E-07	1.24E-07	1.11E-07	6.7E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.4E-08	4.42E-07	0	9.89E-05
offsite	591614.99	4141664.85	0.53452	0.42778	0.2026	2.10526	0.000468118	Residential	1.62E-07	4.89E-07	2.83E-07	2.57E-07	1.17E-07	1.05E-07	6.4E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.9E-08	4.18E-07	0	9.36E-05
offsite	591714.99	4141664.85	0.52484	0.369	0.18613	2.02579	0.00044487	Residential	1.54E-07	4.65E-07	2.69E-07	2.44E-07	1.11E-07	9.94E-08	6.0E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.4E-08	3.98E-07	0	8.90E-05
offsite	591814.99	4141664.85	0.50587	0.32322	0.17209	1.94166	0.000421965	Residential	1.46E-07	4.41E-07	2.55E-07	2.31E-07	1.06E-07	9.43E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.0E-08	3.77E-07	0	8.44E-05
offsite	591914.99	4141664.85	0.47659	0.28676	0.16001	1.87254	0.000401921	Residential	1.39E-07	4.20E-07	2.43E-07	2.20E-07	1.01E-07	8.98E-08	5.5E-09	1.3E-07	0.0E+00	1.5E-07	0.0E+00	7.6E-08	3.59E-07	0	8.04E-05
offsite	592014.99	4141664.85	0.43778	0.25726	0.14957	1.79155	0.000380169	Residential	1.32E-07	3.97E-07	2.30E-07	2.09E-07	9.51E-08	8.49E-08	5.2E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.40E-07	0	7.60E-05
offsite	592114.99	4141664.85	0.39242	0.23296	0.1404	1.69403	0.000355974	Residential	1.23E-07	3.72E-07	2.15E-07	1.95E-07	8.91E-08	7.95E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.18E-07	0	7.12E-05
offsite	592214.99	4141664.85	0.34576	0.21273	0.13234	1.6061	0.000333852	Residential	1.16E-07	3.49E-07	2.02E-07	1.83E-07	8.36E-08	7.46E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.3E-08	2.98E-07	0	6.68E-05
path	591314.99	4141764.85	0.47356	0.65291	0.24907	5.44263	0.001031024	Parks/Paths	0.00E+00	3.67E-08	1.96E-08	1.59E-08	7.34E-09	7.04E-09	0.0E+00	1.2E-08	6.5E-09	0.0E+00	6.9E-10	0.0E+00	1.87E-08	0	2.06E-04
offsite	591414.99	4141764.85	0.47333	0.53016	0.22519	5.02672	0.000945709	Residential	3.27E-07	9.88E-07	5.72E-07	5.19E-07	2.37E-07	2.11E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.45E-07	1	1.89E-04
offsite	591514.99	4141764.85	0.4688	0.44419	0.20485	4.57176	0.000858898	Residential	2.97E-07	8.98E-07	5.20E-07	4.71E-07	2.15E-07	1.92E-07	1.2E-08	2.8E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.68E-07	1	1.72E-04
offsite	591614.99	4141764.85	0.46018	0.38078	0.18812	4.24575	0.000795677	Residential	2.75E-07	8.32E-07	4.81E-07	4.36E-07	1.99E-07	1.78E-07	1.1E-08	2.6E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.11E-07	1	1.59E-04
offsite	591714.99	4141764.85	0.44588	0.33224	0.17399	3.95624	0.000739989	Residential	2.56E-07	7.73E-07	4.48E-07	4.06E-07	1.85E-07	1.65E-07	1.0E-08	2.4E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.61E-07	1	1.48E-04
offsite	591814.99	4141764.85	0.42464	0.29372	0.1615	3.68341	0.000687819	Residential	2.38E-07	7.19E-07	4.16E-07	3.77E-07	1.72E-07	1.54E-07	9.4E-09	2.3E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.15E-07	1	1.38E-04
offsite	591914.99	4141764.85	0.39716	0.26294	0.15114	3.47562	0.000646685	Residential	2.24E-07	6.76E-07	3.91E-07	3.55E-07	1.62E-07	1.44E-07	8.8E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.78E-07	1	1.29E-04
offsite	592014.99	4141764.85	0.36422	0.23764	0.14187	3.1915	0.000593676	Residential	2.06E-07	6.21E-07	3.59E-07	3.26E-07	1.49E-07	1.33E-07	8.1E-09	2.0E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.31E-07	1	1.19E-04
offsite	592114.99	4141764.85	0.32852	0.21663	0.13369	2.93711	0.000545848	Residential	1.89E-07	5.71E-07	3.30E-07	2.99E-07	1.37E-07	1.22E-07	7.4E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.0E-07	4.88E-07	0	1.09E-04
offsite	590914.99	4141964.85	0.38994	1.38121	0.30994	2.67044	0.000680545	Residential	2.36E-07	7.11E-07	4.12E-07	3.73E-07	1.70E-07	1.52E-07	9.3E-09	2.2E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.08E-07	1	1.36E-04
path	591214.99	4141964.85	0.38632	0.56095	0.2255	3.91723	0.000763885	Parks/Paths	0.00E+00	2.72E-08	1.45E-08	1.18E-08	5.44E-09	5.21E-09	0.0E+00	8.6E-09	4.8E-09	0.0E+00	5.1E-10	0.0E+00	1.39E-08	0	1.53E-04
path	591314.99	4141964.85	0.3819	0.46555	0.20648	4.17259	0.000789695	Parks/Paths	0.00E+00	2.81E-08	1.50E-08	1.22E-08	5.63E-09	5.39E-09	0.0E+00	8.8E-09	5.0E-09	0.0E+00	5.3E-10	0.0E+00	1.43E-08	0	1.58E-04
offsite	590814.99	4142064.85	0.36178	1.35808	0.30615	1.7833	0.000532473	Residential	1.84E-07	5.57E-07	3.22E-07	2.92E-07	1.33E-07	1.19E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.76E-07	0	1.06E-04
offsite	590914.99	4142064.85	0.3613	0.9324	0.27351	1.9813	0.000505416	Residential	1.75E-07	5.28E-07	3.06E-07	2.77E-07	1.26E-07	1.13E-07	6.9E-09	1.7E-07	0.0E+00	1.8E-07	0.0E+00	9.6E-08	4.52E-07	0	1.01E-04
offsite	591014.99	4142064.85	0.35964	0.70185	0.24679	2.17745	0.000503717	Residential	1.74E-07	5.26E-07	3.05E-07	2.76E-07	1.26E-07	1.13E-07	6.9E-09	1.7E-07	0.0E+00	1.8E-07	0.0E+00	9.6E-08	4.50E-07	0	1.01E-04
path	591114.99	4142064.85	0.35626	0.56144	0.22436	2.33172	0.000507252	Parks/Paths	0.00E+00	1.81E-08	9.64E-09	7.83E-09	3.61E-09	3.46E-09	0.0E+00	5.7E-09	3.2E-09	0.0E+00	3.4E-10	0.0E+00	9.20E-09	0	1.01E-04
path	591214.99	4142064.85	0.35158	0.46697	0.20562	2.44309	0.000510153	Parks/Paths	0.00E+00	1.82E-08	9.69E-09	7.87E-09	3.63E-09	3.48E-09	0.0E+00	5.7E-09	3.2E-09	0.0E+00	3.4E-10	0.0E+00	9.25E-09	0	1.02E-04
offsite	590714.99	4142164.85	0.33841	1.17124	0.30201	1.34291	0.000435303	Residential	1.51E-07	4.55E-07	2.63E-07	2.39E-07	1.09E-07	9.73E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.3E-08	3.89E-07	0	8.71E-05
offsite	590814.99	4142164.85	0.33729	0.87484	0.27057	1.45247	0.000410763	Residential	1.42E-07	4.29E-07	2.49E-07	2.25E-07	1.03E-07	9.18E-08	5.6E-09	1.3E-07	0.0E+00	1.5E-07	0.0E+00	7.8E-08	3.67E-07	0	8.22E-05
path	590914.99	4142164.85	0.33536	0.67932	0.24475	1.56154	0.00039971	Parks/Paths	0.00E+00	1.42E-08	7.59E-09	6.17E-09	2.85E-09	2.73E-09	0.0E+00	4.5E-09	2.5E-09	0.0E+00	2.7E-10	0.0E+00	7.25E-09	0	7.99E-05
path	591014.99	4142164.85	0.33174	0.551	0.22298	1.65416	0.000394991	Parks/Paths	0.00E+00	1.41E-08	7.50E-09	6.10E-09	2.81E-09	2.70E-09	0.0E+00	4.4E-09	2.5E-09	0.0E+00	2.7E-10	0.0E+00	7.16E-09	0	7.90E-05
path	591114.99	4142164.85	0.32716	0.46136	0.20464	1.7279	0.000392551	Parks/Paths	0.00E+00	1.40E-08	7.46E-09	6.06E-09	2.80E-09	2.68E-09	0.0E+00	4.4E-09	2.5E-09	0.0E+00	2.6E-10	0.0E+00	7.12E-09	0	7.85E-05
path	590414.99	4142264.85	0.3178	0.96269	0.37455	0.93595	0.000350614	Parks/Paths	0.00E+00	1.25E-08	6.66E-09	5.41E-09	2.50E-09	2.39E-09	0.0E+00	3.9E-09	2.2E-09	0.0E+00	2.4E-10	0.0E+00	6.36E-09	0	7.01E-05
path	590514.99	4142264.85	0.3181	1.03964	0.33348	1.00296	0.000366062	Parks/Paths	0.00E+00	1.30E-08	6.95E-09	5.65E-09	2.61E-09	2.50E-09	0.0E+00	4.1E-09	2.3E-09	0.0E+00	2.5E-10	0.0E+00	6.64E-09	0	7.32E-05
path	590614.99	4142264.85	0.31781	0.95892	0.29731	1.07278	0.000362302	Parks/Paths	0.00E+00	1.29E-08	6.88E-09	5.59E-09	2.58E-09	2.47E-09	0.0E+00	4.1E-09	2.3E-09	0.0E+00	2.4E-10	0.0E+00	6.57E-09	0	7.25E-05
path	590714.99	4142264.85	0.31648	0.7875	0.26711	1.14326	0.000347671	Parks/Paths	0.00E+00	1.24E-08	6.60E-09	5.37E-09	2.48E-09	2.37E-09	0.0E+00	3.9E-09	2.2E-09	0.0E+00	2.3E-10	0.0E+00	6.30E-09	0	6.95E-05
path	590814.99	4142264.85	0.31438	0.64198	0.2422	1.21224	0.000336713	Parks/Paths	0.00E+00	1.20E-08	6.40E-09	5.20E-09	2.40E-09	2.30E-09	0.0E+00	3.8E-09	2.1E-09	0.0E+00	2.3E-10	0.0E+00	6.11E-09	0	6.73E-05
path	590914.99	4142264.85	0.31155	0.53248	0.22158	1.27614	0.000330032	Parks/Paths	0.00E+00	1.18E-08	6.27E-09	5.09E-09	2.35E-09	2.25E-09	0.0E+00	3.7E-09	2.1E-09	0.0E+00	2.2E-10	0.0E+00	5.98E-09	0	6.60E-05
path	591014.99	4142264.85	0.3074	0.45069	0.20382	1.32896	0.000325365	Parks/Paths	0.00E+00	1.16E-08	6.18E-09	5.02E-09	2.32E-09	2.22E-09	0.0E+00	3.6E-09	2.0E-09	0.0E+00	2.2E-10	0.0E+00	5.90E-09	0	6.51E-05
school	591514.99	4142364.85	0.2429	0.2257	0.13601	1.11022	0.000246837	School	0.00E+00	3.65E-08	1.95E-08	1.58E-08	7.30E-09	7.00E-09	0.0E+00	0.0E+00	6.4E-09	1.5E-09	0.0E+00	0.0E+00	7.92E-09	0	4.94E-05
park	591214.99	4142464.85	0.2513	0.26849	0.15287	0.93896	0.000227844	Parks/Paths	0.00E+00	8.11E-09	4.33E-09	3.52E-09	1.62E-09	1.56E-09	0.0E+00	2.6E-09	1.4E-09	0.0E+00	1.5E-10	0.0E+00	4.13E-09	0	4.56E-05

Roadway HRA
Project Contribution

	AERMOD Output								Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								
			Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC)																**CHRONIC HAZARD**
Discrete Receptor ID (Group Name)	X	Y					[ug/m^3] - SCALED	Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	**QUOTIENT**
park	591314.99	4142464.85	0.24255	0.2446	0.14376	0.93118	0.000221555	Parks/Paths	0.00E+00	7.89E-09	4.21E-09	3.42E-09	1.58E-09	1.51E-09	0.0E+00	2.5E-09	1.4E-09	0.0E+00	1.5E-10	0.0E+00	4.02E-09	0	4.43E-05
school	591414.99	4142464.85	0.23359	0.2246	0.136	0.91495	0.000214564	School	0.00E+00	3.17E-08	1.69E-08	1.38E-08	6.35E-09	6.08E-09	0.0E+00	0.0E+00	5.6E-09	1.3E-09	0.0E+00	0.0E+00	6.88E-09	0	4.29E-05
path	590414.99	4142564.85	0.27149	0.5079	0.25672	0.69117	0.000233889	Parks/Paths	0.00E+00	8.33E-09	4.44E-09	3.61E-09	1.67E-09	1.60E-09	0.0E+00	2.6E-09	1.5E-09	0.0E+00	1.6E-10	0.0E+00	4.24E-09	0	4.68E-05
offsite	590914.99	4142564.85	0.25287	0.32319	0.17319	0.79032	0.000213782	Residential	7.40E-08	2.23E-07	1.29E-07	1.17E-07	5.35E-08	4.78E-08	2.9E-09	7.0E-08	0.0E+00	7.7E-08	0.0E+00	4.1E-08	1.91E-07	0	4.28E-05
offsite	591014.99	4142564.85	0.24778	0.29208	0.16268	0.79753	0.000209138	Residential	7.24E-08	2.19E-07	1.27E-07	1.15E-07	5.23E-08	4.67E-08	2.8E-09	6.9E-08	0.0E+00	7.6E-08	0.0E+00	4.0E-08	1.87E-07	0	4.18E-05
offsite	591114.99	4142564.85	0.24122	0.26531	0.15298	0.7976	0.000203871	Residential	7.06E-08	2.13E-07	1.23E-07	1.12E-07	5.10E-08	4.55E-08	2.8E-09	6.7E-08	0.0E+00	7.4E-08	0.0E+00	3.9E-08	1.82E-07	0	4.08E-05
park	591214.99	4142564.85	0.23304	0.242	0.14374	0.78962	0.000197663	Parks/Paths	0.00E+00	7.04E-09	3.75E-09	3.05E-09	1.41E-09	1.35E-09	0.0E+00	2.2E-09	1.2E-09	0.0E+00	1.3E-10	0.0E+00	3.58E-09	0	3.95E-05
park	591314.99	4142564.85	0.22503	0.22274	0.13596	0.77542	0.000191179	Parks/Paths	0.00E+00	6.81E-09	3.63E-09	2.95E-09	1.36E-09	1.31E-09	0.0E+00	2.1E-09	1.2E-09	0.0E+00	1.3E-10	0.0E+00	3.47E-09	0	3.82E-05
school	591414.99	4142564.85	0.21631	0.20601	0.12896	0.75252	0.000183658	School	0.00E+00	2.72E-08	1.45E-08	1.18E-08	5.43E-09	5.21E-09	0.0E+00	0.0E+00	4.8E-09	1.1E-09	0.0E+00	0.0E+00	5.89E-09	0	3.67E-05
path	590314.99	4142664.85	0.25944	0.44505	0.25161	0.60893	0.000210881	Parks/Paths	0.00E+00	7.51E-09	4.01E-09	3.25E-09	1.50E-09	1.44E-09	0.0E+00	2.4E-09	1.3E-09	0.0E+00	1.4E-10	0.0E+00	3.82E-09	0	4.22E-05
offsite	590514.99	4142664.85	0.25404	0.41007	0.21451	0.6475	0.000207382	Residential	7.18E-08	2.17E-07	1.25E-07	1.14E-07	5.19E-08	4.63E-08	2.8E-09	6.8E-08	0.0E+00	7.5E-08	0.0E+00	3.9E-08	1.85E-07	0	4.15E-05
offsite	590614.99	4142664.85	0.25068	0.37983	0.19855	0.66356	0.000203746	Residential	7.05E-08	2.13E-07	1.23E-07	1.12E-07	5.10E-08	4.55E-08	2.8E-09	6.7E-08	0.0E+00	7.4E-08	0.0E+00	3.9E-08	1.82E-07	0	4.07E-05
offsite	590714.99	4142664.85	0.24699	0.34707	0.1848	0.67681	0.000199583	Residential	6.91E-08	2.09E-07	1.21E-07	1.09E-07	5.00E-08	4.46E-08	2.7E-09	6.6E-08	0.0E+00	7.2E-08	0.0E+00	3.8E-08	1.78E-07	0	3.99E-05
offsite	590814.99	4142664.85	0.24273	0.31547	0.17281	0.68629	0.000195133	Residential	6.75E-08	2.04E-07	1.18E-07	1.07E-07	4.88E-08	4.36E-08	2.7E-09	6.4E-08	0.0E+00	7.1E-08	0.0E+00	3.7E-08	1.74E-07	0	3.90E-05
offsite	590914.99	4142664.85	0.23784	0.28696	0.16229	0.69129	0.000190487	Residential	6.59E-08	1.99E-07	1.15E-07	1.04E-07	4.77E-08	4.26E-08	2.6E-09	6.3E-08	0.0E+00	6.9E-08	0.0E+00	3.6E-08	1.70E-07	0	3.81E-05
offsite	591014.99	4142664.85	0.23171	0.26156	0.1526	0.69051	0.000185302	Residential	6.41E-08	1.94E-07	1.12E-07	1.02E-07	4.64E-08	4.14E-08	2.5E-09	6.1E-08	0.0E+00	6.7E-08	0.0E+00	3.5E-08	1.66E-07	0	3.71E-05
park	591214.99	4142664.85	0.21754	0.22082	0.13608	0.67184	0.000173661	Parks/Paths	0.00E+00	6.19E-09	3.30E-09	2.68E-09	1.24E-09	1.19E-09	0.0E+00	1.9E-09	1.1E-09	0.0E+00	1.2E-10	0.0E+00	3.15E-09	0	3.47E-05
path	590314.99	4142764.85	0.24731	0.39154	0.22971	0.56168	0.000192547	Parks/Paths	0.00E+00	6.86E-09	3.66E-09	2.97E-09	1.37E-09	1.31E-09	0.0E+00	2.2E-09	1.2E-09	0.0E+00	1.3E-10	0.0E+00	3.49E-09	0	3.85E-05
offsite	590514.99	4142764.85	0.24083	0.35663	0.19765	0.58801	0.000187631	Residential	6.50E-08	1.96E-07	1.14E-07	1.03E-07	4.70E-08	4.19E-08	2.6E-09	6.2E-08	0.0E+00	6.8E-08	0.0E+00	3.6E-08	1.68E-07	0	3.75E-05
offsite	590614.99	4142764.85	0.23728	0.33195	0.18406	0.59817	0.000184043	Residential	6.37E-08	1.92E-07	1.11E-07	1.01E-07	4.61E-08	4.11E-08	2.5E-09	6.0E-08	0.0E+00	6.7E-08	0.0E+00	3.5E-08	1.64E-07	0	3.68E-05
offsite	590714.99	4142764.85	0.23333	0.30603	0.17223	0.60541	0.000180013	Residential	6.23E-08	1.88E-07	1.09E-07	9.87E-08	4.51E-08	4.02E-08	2.4E-09	5.9E-08	0.0E+00	6.5E-08	0.0E+00	3.4E-08	1.61E-07	0	3.60E-05
offsite	590814.99	4142764.85	0.22849	0.28069	0.16162	0.60864	0.000175484	Residential	6.07E-08	1.83E-07	1.06E-07	9.63E-08	4.39E-08	3.92E-08	2.4E-09	5.8E-08	0.0E+00	6.4E-08	0.0E+00	3.3E-08	1.57E-07	0	3.51E-05
offsite	590914.99	4142764.85	0.2232	0.25764	0.15227	0.6079	0.000170729	Residential	5.91E-08	1.78E-07	1.03E-07	9.36E-08	4.27E-08	3.81E-08	2.3E-09	5.6E-08	0.0E+00	6.2E-08	0.0E+00	3.2E-08	1.53E-07	0	3.41E-05
offsite	591014.99	4142764.85	0.21717	0.23696	0.14378	0.60243	0.000165559	Residential	5.73E-08	1.73E-07	1.00E-07	9.08E-08	4.14E-08	3.70E-08	2.3E-09	5.4E-08	0.0E+00	6.0E-08	0.0E+00	3.1E-08	1.48E-07	0	3.31E-05
offsite	591114.99	4142764.85	0.21088	0.21906	0.13628	0.59243	0.000160121	Residential	5.54E-08	1.67E-07	9.69E-08	8.78E-08	4.01E-08	3.58E-08	2.2E-09	5.3E-08	0.0E+00	5.8E-08	0.0E+00	3.0E-08	1.43E-07	0	3.20E-05
park	591239.54	4140294.63	8.68408	1.04294	0.6985	0.17813	0.001077307	Parks/Paths	0.00E+00	3.84E-08	2.05E-08	1.66E-08	7.67E-09	7.35E-09	0.0E+00	1.2E-08	6.8E-09	0.0E+00	7.2E-10	0.0E+00	1.95E-08	0	2.15E-04
park	591338.72	4140348.36	8.10935	1.70094	0.60488	0.1989	0.001098477	Parks/Paths	0.00E+00	3.91E-08	2.09E-08	1.70E-08	7.82E-09	7.50E-09	0.0E+00	1.2E-08	6.9E-09	0.0E+00	7.4E-10	0.0E+00	1.99E-08	0	2.20E-04
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.000535713	Daycare	4.42E-08	1.47E-07	7.83E-08	6.36E-08	2.94E-08	2.81E-08	1.7E-09	4.6E-08	1.5E-08	0.0E+00	0.0E+00	0.0E+00	6.26E-08	0	1.07E-04
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.000594993	Daycare	4.90E-08	1.63E-07	8.69E-08	7.06E-08	3.26E-08	3.12E-08	1.9E-09	5.1E-08	1.6E-08	0.0E+00	0.0E+00	0.0E+00	6.96E-08	0	4.82E-04
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.000750594	Daycare	6.19E-08	2.06E-07	1.10E-07	8.91E-08	4.11E-08	3.94E-08	2.4E-09	6.5E-08	2.1E-08	0.0E+00	0.0E+00	0.0E+00	8.77E-08	0	6.13E-04
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.001343052	Daycare	1.11E-07	3.68E-07	1.96E-07	1.59E-07	7.36E-08	7.05E-08	4.3E-09	1.2E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.57E-07	0	1.11E-03
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.000479588	Daycare	3.95E-08	1.31E-07	7.01E-08	5.69E-08	2.63E-08	2.52E-08	1.6E-09	4.1E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.61E-08	0	3.73E-04
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.000470044	Daycare	3.87E-08	1.29E-07	6.87E-08	5.58E-08	2.58E-08	2.47E-08	1.5E-09	4.0E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.49E-08	0	3.73E-04
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.000490485	Daycare	4.04E-08	1.34E-07	7.17E-08	5.82E-08	2.69E-08	2.58E-08	1.6E-09	4.2E-08	1.4E-08	0.0E+00	0.0E+00	0.0E+00	5.73E-08	0	3.94E-04
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.000553107	Daycare	4.56E-08	1.52E-07	8.08E-08	6.57E-08	3.03E-08	2.90E-08	1.8E-09	4.8E-08	1.5E-08	0.0E+00	0.0E+00	0.0E+00	6.47E-08	0	4.44E-04
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.00067477	Daycare	5.56E-08	1.85E-07	9.86E-08	8.01E-08	3.70E-08	3.54E-08	2.2E-09	5.8E-08	1.9E-08	0.0E+00	0.0E+00	0.0E+00	7.89E-08	0	5.37E-04
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.000956413	Daycare	7.88E-08	2.62E-07	1.40E-07	1.14E-07	5.24E-08	5.02E-08	3.1E-09	8.2E-08	2.6E-08	0.0E+00	0.0E+00	0.0E+00	1.12E-07	0	7.45E-04
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.000687553	Daycare	5.67E-08	1.88E-07	1.00E-07	8.16E-08	3.77E-08	3.61E-08	2.2E-09	5.9E-08	1.9E-08	0.0E+00	0.0E+00	0.0E+00	8.04E-08	0	4.92E-04
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.000516551	Daycare	4.26E-08	1.42E-07	7.55E-08	6.13E-08	2.83E-08	2.71E-08	1.7E-09	4.4E-08	1.4E-08	0.0E+00	0.0E+00	0.0E+00	6.04E-08	0	3.90E-04
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.000459029	Daycare	3.78E-08	1.26E-07	6.71E-08	5.45E-08	2.52E-08	2.41E-08	1.5E-09	4.0E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.37E-08	0	3.59E-04
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.000443795	Daycare	3.66E-08	1.22E-07	6.48E-08	5.27E-08	2.43E-08	2.33E-08	1.4E-09	3.8E-08	1.2E-08	0.0E+00	0.0E+00	0.0E+00	5.19E-08	0	3.54E-04
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.000453692	Daycare	3.74E-08	1.24E-07	6.63E-08	5.39E-08	2.49E-08	2.38E-08	1.5E-09	3.9E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.30E-08	0	3.64E-04
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.000496763	Daycare	4.09E-08	1.36E-07	7.26E-08	5.90E-08	2.72E-08	2.61E-08	1.6E-09	4.3E-08	1.4E-08	0.0E+00	0.0E+00	0.0E+00	5.81E-08	0	3.96E-04
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.000586102	Daycare	4.83E-08	1.61E-07	8.56E-08	6.96E-08	3.21E-08	3.08E-08	1.9E-09	5.0E-08	1.6E-08	0.0E+00	0.0E+00	0.0E+00	6.85E-08	0	4.54E-04
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.00082821	Daycare	6.83E-08	2.27E-07	1.21E-07	9.83E-08	4.54E-08	4.35E-08	2.7E-09	7.1E-08	2.3E-08	0.0E+00	0.0E+00	0.0E+00	9.68E-08	0	5.95E-04
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.001651079	Daycare	1.36E-07	4.52E-07	2.41E-07	1.96E-07	9.05E-08	8.67E-08	5.3E-09	1.4E-07	4.5E-08	0.0E+00	0.0E+00	0.0E+00	1.93E-07	0	1.10E-03
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.000678937	Daycare	5.60E-08	1.86E-07	9.92E-08	8.06E-08	3.72E-08	3.57E-08	2.2E-09	5.8E-08	1.9E-08	0.0E+00	0.0E+00	0.0E+00	7.94E-08	0	4.91E-04
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.000509916	Daycare	4.20E-08	1.40E-07	7.45E-08	6.05E-08	2.79E-08	2.68E-08	1.7E-09	4.4E-08	1.4E-08	0.0E+00	0.0E+00	0.0E+00	5.96E-08	0	3.90E-04
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.000453167	Daycare	3.74E-08	1.24E-07	6.62E-08	5.38E-08	2.48E-08	2.38E-08	1.5E-09	3.9E-08	1.2E-08	0.0E+00	0.0E+00	0.0E+00	5.30E-08	0	3.59E-04
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.000435427	Daycare	3.59E-08	1.19E-07	6.36E-08	5.17E-08	2.39E-08	2.29E-08	1.4E-09	3.7E-08	1.2E-08	0.0E+00	0.0E+00	0.0E+00	5.09E-08	0	3.51E-04
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.000444823	Daycare	3.67E-08	1.22E-07	6.50E-08	5.28E-08	2.44E-08	2.34E-08	1.4E-09	3.8E-08	1.2E-08	0.0E+00	0.0E+00	0.0E+00	5.20E-08	0	3.59E-04
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.000490425	Daycare	4.04E-08	1.34E-07	7.17E-08	5.82E-08	2.69E-08	2.58E-08	1.6E-09	4.2E-08	1.4E-08	0.0E+00	0.0E+00	0.0E+00	5.73E-08	0	3.88E-04
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.000606919	Daycare	5.00E-08	1.66E-07	8.87E-08	7.21E-08	3.33E-08	3.19E-08	2.0E-09	5.2E-08	1.7E-08	0.0E+00	0.0E+00	0.0E+00	7.09E-08	0	4.53E-04
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.001666483	Daycare	1.37E-07	4.57E-07	2.44E-07	1.98E-07	9.13E-08	8.75E-08	5.4E-09	1.4E-07	4.6E-08	0.0E+00	0.0E+00	0.0E+00	1.95E-07	0	1.12E-03
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.000682839	Daycare	5.63E-08	1.87E-07	9.98E-08	8.11E-08	3.74E-08	3.59E-08	2.2E-09	5.9E-08	1.9E-08	0.0E+00	0.0E+00	0.0E+00	7.98E-08	0	5.02E-04
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.000514424	Daycare	4.24E-08	1.41E-07	7.52E-08	6.11E-08	2.82E-08	2.70E-08	1.7E-09	4.4E-08	1.4E-08	0.0E+00	0.0E+00	0.0E+00	6.01E-08	0	4.02E-04
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.000455716	Daycare	3.76E-08	1.25E-07	6.66E-08	5.41E-08	2.50E-08	2.39E-08	1.5E-09	3.9E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.33E-08	0	3.69E-04
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.000440426	Daycare	3.63E-08	1.21E-07	6.44E-08	5.23E-08	2.41E-08	2.31E-08	1.4E-09	3.8E-08	1.2E-08	0.0E+00	0.0E+00	0.0E+00	5.15E-08	0	3.62E-04
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.000452239	Daycare	3.73E-08	1.24E-07	6.61E-08	5.37E-08	2.48E-08	2.37E-08	1.5E-09	3.9E-08	1.2E-08	0.0E+00	0.0E+00	0.0E+00	5.29E-08	0	3.69E-04
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.000517624	Daycare	4.27E-08	1.42E-07	7.56E-08	6.15E-08	2.84E-08	2.72E-08	1.7E-09	4.5E-08	1.4E-08	0.0E+00	0.0E+00	0.0E+00	6.05E-08	0	4.05E-04
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.000734449	Daycare	6.05E-08	2.01E-07	1.07E-07	8.72E-08	4.02E-08	3.86E-08	2.4E-09	6.3E-08	2.0E-08	0.0E+00	0.0E+00	0.0E+00	8.59E-08	0	5.16E-04
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.000467245	Daycare	3.85E-08	1.28E-07	6.83E-08	5.55E-08	2.56E-08	2.45E-08	1.5E-09	4.0E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.46E-08	0	3.91E-04
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.000454696	Daycare	3.75E-08	1.25E-07	6.64E-08	5.40E-08	2.49E-08	2.39E-08	1.5E-09	3.9E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.32E-08	0	3.83E-04
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.000481289	Daycare	3.97E-08	1.32E-07	7.03E-08	5.71E-08	2.64E-08	2.53E-08	1.6E-09	4.1E-08	1.3E-08	0.0E+00	0.0E+00	0.0E+00	5.63E-08	0	3.96E-04
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.000588776	Daycare	4.85E-08	1.61E-07	8.60E-08	6.99E-08	3.23E-08	3.09E-08	1.9E-09	5.1E-08	1.6E-08	0.0E+00	0.0E+00	0.0E+00	6.88E-08	0	4.49E-04
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.000531151	Daycare	4.38E-08	1.46E-07	7.76E-08	6.31E-08	2.91E-08	2.79E-08	1.7E-09	4.6E-08	1.5E-08	0.0E+00	0.0E+00	0.0E+00	6.21E-08	0	4.38E-04
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.000768551	Daycare	6.33E-08	2.11E-07	1.12E-07	9.12E-08	4.21E-08	4.04E-08	2.5E-09	6.6E-08	2.1E-08	0.0E+00	0.0E+00	0.0E+00	8.98E-08	0	5.53E-04

Roadway HRA
Project Contribution

City Place Roadway HRA - PM2.5

Truck g/s	Annual Average Scaling Factor
Tasman	0.00865
Lafayette	0.01165
Great Am	0.01143
SR237	0.01170

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
			Tasman	Lafayette	Great Am	SR237	
offsite	589514.99	4139264.85	0.05088	0.05261	0.06785	0.02777	0.002153675
offsite	589614.99	4139264.85	0.05251	0.05453	0.07232	0.02872	0.002252364
offsite	591314.99	4139264.85	0.2687	0.20607	0.38608	0.06837	0.009939201
offsite	591414.99	4139264.85	0.27804	0.24712	0.36442	0.07198	0.010292732
offsite	591514.99	4139264.85	0.28462	0.30485	0.34343	0.07557	0.010824092
offsite	591614.99	4139264.85	0.28878	0.38998	0.32349	0.07909	0.011664842
offsite	591714.99	4139264.85	0.29081	0.52306	0.30474	0.08259	0.013059034
offsite	591814.99	4139264.85	0.29112	0.75006	0.28726	0.08602	0.015545983
offsite	591914.99	4139264.85	0.29007	1.19573	0.27098	0.08937	0.020580917
offsite	592014.99	4139264.85	0.2879	2.39111	0.25587	0.09256	0.034349941
offsite	592214.99	4139264.85	0.28099	4.09509	0.22881	0.09839	0.053896151
offsite	592314.99	4139264.85	0.27645	1.88998	0.21675	0.10098	0.028065186
offsite	592414.99	4139264.85	0.2713	1.20418	0.20553	0.1034	0.019932778
offsite	592514.99	4139264.85	0.2656	0.87457	0.19506	0.10569	0.015951402
offsite	592614.99	4139264.85	0.25938	0.68363	0.18535	0.10776	0.013586807
offsite	592714.99	4139264.85	0.2527	0.5596	0.17633	0.10956	0.012002299
offsite	592814.99	4139264.85	0.24562	0.47236	0.1679	0.11113	0.010846897
offsite	589514.99	4139364.85	0.05643	0.05669	0.07674	0.02857	0.00236022
offsite	589614.99	4139364.85	0.05833	0.05891	0.08234	0.0296	0.002478595
offsite	591314.99	4139364.85	0.31997	0.25192	0.42834	0.07358	0.011460968
offsite	591414.99	4139364.85	0.32752	0.30726	0.39787	0.07747	0.011868003
offsite	591514.99	4139364.85	0.33166	0.38617	0.37007	0.08134	0.01255036
offsite	591614.99	4139364.85	0.33292	0.50452	0.34488	0.0851	0.013695733
offsite	591714.99	4139364.85	0.33191	0.69354	0.322	0.0888	0.015670306
offsite	591814.99	4139364.85	0.32913	1.02971	0.30126	0.09239	0.019366681
offsite	591914.99	4139364.85	0.32514	1.7639	0.28236	0.09588	0.027708408
offsite	592014.99	4139364.85	0.32024	4.79237	0.26509	0.09921	0.062781739
offsite	592114.99	4139364.85	0.31461	8.53549	0.24931	0.10233	0.106187245
offsite	592214.99	4139364.85	0.30837	2.58775	0.23485	0.10521	0.0367251
offsite	592314.99	4139364.85	0.3016	1.50271	0.22162	0.10782	0.023907755
offsite	592414.99	4139364.85	0.29436	1.04274	0.20942	0.11025	0.01837654
offsite	592514.99	4139364.85	0.28666	0.79215	0.19818	0.11247	0.015288626
offsite	592614.99	4139364.85	0.27854	0.63556	0.18778	0.11449	0.013299211
offsite	592714.99	4139364.85	0.27005	0.52875	0.17815	0.11625	0.01189217
offsite	592814.99	4139364.85	0.26122	0.45129	0.16921	0.1178	0.010829475
offsite	589514.99	4139464.85	0.06327	0.06126	0.08849	0.02945	0.002617268
offsite	589614.99	4139464.85	0.06564	0.06384	0.09592	0.03054	0.002765529
offsite	591314.99	4139464.85	0.38475	0.30664	0.46849	0.07954	0.013187588
offsite	591414.99	4139464.85	0.38848	0.37931	0.42904	0.08372	0.013664145
offsite	591514.99	4139464.85	0.38825	0.48412	0.39457	0.08784	0.014537028
offsite	591614.99	4139464.85	0.385	0.64356	0.36427	0.09186	0.016066595
offsite	591714.99	4139464.85	0.3796	0.9065	0.33742	0.09578	0.018821355
offsite	591814.99	4139464.85	0.37271	1.40965	0.31354	0.09958	0.024393632
offsite	591914.99	4139464.85	0.36484	2.79447	0.2922	0.10319	0.040253533
offsite	592114.99	4139464.85	0.34764	3.82616	0.25565	0.10977	0.051780462
offsite	592214.99	4139464.85	0.33854	1.91145	0.23984	0.11273	0.029253942
offsite	592314.99	4139464.85	0.32915	1.25168	0.22553	0.11535	0.021355046
offsite	592414.99	4139464.85	0.31945	0.92049	0.21244	0.11777	0.017292225
offsite	592514.99	4139464.85	0.30943	0.72293	0.20043	0.11999	0.014793103

Roadway HRA
Project Contribution

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	592614.99	4139464.85	0.29909	0.59192	0.1894	0.12196	0.013074636
offsite	592714.99	4139464.85	0.28852	0.49921	0.1793	0.12357	0.011806701
offsite	592814.99	4139464.85	0.27768	0.43017	0.16995	0.12496	0.010818128
offsite	589514.99	4139564.85	0.07174	0.06637	0.10402	0.03044	0.002939215
offsite	589614.99	4139564.85	0.07492	0.06936	0.1144	0.0316	0.003133807
offsite	591314.99	4139564.85	0.46686	0.37064	0.5048	0.0863	0.015137693
offsite	591414.99	4139564.85	0.4636	0.46362	0.45689	0.09085	0.015697936
offsite	591514.99	4139564.85	0.45636	0.59963	0.41622	0.09526	0.016806077
offsite	591614.99	4139564.85	0.4464	0.81202	0.38125	0.09953	0.018843856
offsite	591714.99	4139564.85	0.43476	1.18349	0.35086	0.10363	0.022770367
offsite	591814.99	4139564.85	0.42238	2.00305	0.32415	0.10758	0.03194994
offsite	591914.99	4139564.85	0.40971	5.86446	0.30053	0.11134	0.076590173
offsite	592014.99	4139564.85	0.39704	7.00855	0.27953	0.11485	0.08960735
offsite	592114.99	4139564.85	0.38448	2.51944	0.26072	0.11807	0.037034214
offsite	592214.99	4139564.85	0.372	1.52225	0.24378	0.12101	0.025152145
offsite	592314.99	4139564.85	0.35952	1.07498	0.22847	0.12364	0.0196903
offsite	592414.99	4139564.85	0.34691	0.82411	0.21455	0.12605	0.016528225
offsite	592514.99	4139564.85	0.33418	0.66382	0.20191	0.12816	0.01443127
offsite	592614.99	4139564.85	0.32129	0.5526	0.19037	0.13	0.012913893
offsite	592714.99	4139564.85	0.30824	0.47134	0.1798	0.13152	0.011751438
offsite	592814.99	4139564.85	0.29508	0.40952	0.17009	0.13271	0.010820431
offsite	589514.99	4139664.85	0.08235	0.07202	0.12445	0.03153	0.003343161
offsite	589614.99	4139664.85	0.08683	0.07548	0.13936	0.03277	0.003607204
offsite	591214.99	4139664.85	0.58037	0.36139	0.60406	0.08895	0.017177936
offsite	591314.99	4139664.85	0.57137	0.44395	0.53614	0.09409	0.017345269
offsite	591414.99	4139664.85	0.55629	0.56124	0.48089	0.099	0.018006687
offsite	591514.99	4139664.85	0.53851	0.73625	0.4347	0.10375	0.019418756
offsite	591614.99	4139664.85	0.51888	1.02267	0.39565	0.10825	0.02219118
offsite	591714.99	4139664.85	0.49898	1.57465	0.36206	0.11254	0.028114357
offsite	591814.99	4139664.85	0.47949	3.18106	0.33286	0.11662	0.046370332
offsite	592014.99	4139664.85	0.44299	3.56393	0.28467	0.12402	0.050049631
offsite	592114.99	4139664.85	0.42593	1.89014	0.26454	0.12729	0.0302146
offsite	592214.99	4139664.85	0.40944	1.26725	0.24655	0.1302	0.022645154
offsite	592314.99	4139664.85	0.39329	0.94302	0.23039	0.13278	0.018574365
offsite	592414.99	4139664.85	0.37724	0.74557	0.21578	0.13511	0.015995913
offsite	592514.99	4139664.85	0.36133	0.61259	0.20258	0.13709	0.014181615
offsite	592614.99	4139664.85	0.34535	0.51692	0.19057	0.13881	0.012811844
offsite	592714.99	4139664.85	0.32938	0.44514	0.17962	0.14017	0.011728328
offsite	592814.99	4139664.85	0.31351	0.38961	0.16963	0.14107	0.010840542
offsite	589514.99	4139764.85	0.09582	0.07825	0.15053	0.03278	0.003845078
offsite	589614.99	4139764.85	0.10237	0.08224	0.17185	0.03411	0.004207545
offsite	591414.99	4139764.85	0.67207	0.67468	0.50088	0.1084	0.020668255
offsite	591514.99	4139764.85	0.63817	0.90226	0.45	0.11346	0.022503168
offsite	591614.99	4139764.85	0.6052	1.30349	0.40746	0.11818	0.0264601
offsite	591714.99	4139764.85	0.57439	2.2152	0.37103	0.12266	0.036448605
offsite	591814.99	4139764.85	0.54589	7.38882	0.33968	0.12683	0.096152308
offsite	591914.99	4139764.85	0.51974	5.9888	0.3123	0.13075	0.07935209
offsite	592014.99	4139764.85	0.49566	2.42979	0.28829	0.13435	0.03745765
offsite	592114.99	4139764.85	0.47322	1.51524	0.26706	0.13756	0.026406069
offsite	592214.99	4139764.85	0.45193	1.08677	0.24817	0.14039	0.021048381
offsite	592314.99	4139764.85	0.43135	0.83996	0.23128	0.14287	0.0178315
offsite	592414.99	4139764.85	0.41119	0.67992	0.2161	0.14504	0.015644833
offsite	592514.99	4139764.85	0.39133	0.56762	0.2024	0.14686	0.014029642
offsite	592614.99	4139764.85	0.37163	0.48444	0.19003	0.14838	0.012766707
offsite	592714.99	4139764.85	0.35216	0.42068	0.17881	0.14948	0.011740193
offsite	592814.99	4139764.85	0.33299	0.37051	0.16858	0.15014	0.010880734
offsite	589514.99	4139864.85	0.11317	0.08502	0.18257	0.03417	0.004456636
offsite	589614.99	4139864.85	0.12303	0.08959	0.21227	0.0356	0.00495148
offsite	591514.99	4139864.85	0.76151	1.11472	0.46227	0.12462	0.026315812
offsite	591614.99	4139864.85	0.71013	1.71553	0.41662	0.12958	0.032405325

Roadway HRA
Project Contribution

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	591714.99	4139864.85	0.66474	3.59784	0.37781	0.13417	0.053546859
offsite	591914.99	4139864.85	0.5892	3.32697	0.31567	0.14233	0.049123317
offsite	592014.99	4139864.85	0.55739	1.85005	0.29046	0.14586	0.03139868
offsite	592114.99	4139864.85	0.52827	1.26517	0.26827	0.14899	0.024117235
offsite	592214.99	4139864.85	0.50094	0.95146	0.24861	0.15171	0.020033869
offsite	592314.99	4139864.85	0.47483	0.75653	0.23112	0.15402	0.017364567
offsite	592414.99	4139864.85	0.44946	0.62384	0.21547	0.156	0.015443787
offsite	592514.99	4139864.85	0.42468	0.52763	0.20143	0.15762	0.013967209
offsite	592614.99	4139864.85	0.40042	0.4547	0.18877	0.15884	0.012777383
offsite	592714.99	4139864.85	0.37668	0.39772	0.17733	0.15962	0.011786634
offsite	592814.99	4139864.85	0.35358	0.35228	0.16694	0.15988	0.010941757
offsite	589514.99	4139964.85	0.1355	0.09241	0.21998	0.03578	0.005182475
offsite	589614.99	4139964.85	0.15049	0.09759	0.2593	0.03731	0.005839968
offsite	591714.99	4139964.85	0.77659	9.94221	0.38237	0.14732	0.128616876
offsite	591814.99	4139964.85	0.72109	5.2517	0.34746	0.15156	0.073154264
offsite	591914.99	4139964.85	0.67343	2.33495	0.31735	0.15538	0.038469387
offsite	592014.99	4139964.85	0.63162	1.49386	0.29113	0.15879	0.028051131
offsite	592114.99	4139964.85	0.59386	1.08577	0.26816	0.16176	0.022743311
offsite	592214.99	4139964.85	0.55875	0.84546	0.24789	0.16425	0.019437896
offsite	592314.99	4139964.85	0.52528	0.6871	0.22992	0.16635	0.017122921
offsite	592414.99	4139964.85	0.49319	0.57518	0.21392	0.16804	0.015378523
offsite	592514.99	4139964.85	0.46207	0.49174	0.19962	0.16939	0.013989699
offsite	592614.99	4139964.85	0.43204	0.4273	0.18678	0.17026	0.012842685
offsite	592714.99	4139964.85	0.40301	0.37616	0.17518	0.17059	0.011867094
offsite	592814.99	4139964.85	0.37521	0.3348	0.16477	0.17046	0.011024282
offsite	589514.99	4140064.85	0.16336	0.10044	0.26147	0.03763	0.00601307
offsite	589614.99	4140064.85	0.18576	0.10626	0.31074	0.03927	0.00685718
offsite	591714.99	4140064.85	0.92158	13.8534	0.3848	0.16235	0.175630709
offsite	591814.99	4140064.85	0.84405	3.115	0.34854	0.16643	0.049517158
offsite	591914.99	4140064.85	0.77957	1.79925	0.31737	0.17008	0.033320354
offsite	592014.99	4140064.85	0.72404	1.25157	0.29034	0.17327	0.026189061
offsite	592114.99	4140064.85	0.6743	0.95021	0.26674	0.17598	0.022010486
offsite	592214.99	4140064.85	0.62831	0.75962	0.24601	0.17818	0.0191814
offsite	592314.99	4140064.85	0.58486	0.62819	0.22772	0.17994	0.017086108
offsite	592414.99	4140064.85	0.54354	0.5323	0.21148	0.18128	0.015441723
offsite	592514.99	4140064.85	0.50417	0.45931	0.19704	0.18223	0.014096956
offsite	592614.99	4140064.85	0.46672	0.40195	0.18409	0.18266	0.012961802
offsite	592714.99	4140064.85	0.43127	0.35558	0.17246	0.18268	0.011982254
offsite	592814.99	4140064.85	0.39774	0.31796	0.16203	0.18192	0.011125828
offsite	591714.99	4140164.85	1.12207	4.67306	0.38497	0.17955	0.07064019
offsite	591814.99	4140164.85	1.01002	2.23709	0.3476	0.18333	0.040914637
offsite	591914.99	4140164.85	0.92013	1.4641	0.31567	0.18667	0.030807485
offsite	592014.99	4140164.85	0.8445	1.07664	0.28798	0.18945	0.025356112
offsite	592114.99	4140164.85	0.77651	0.84378	0.26401	0.19181	0.021809168
offsite	592214.99	4140164.85	0.71389	0.68812	0.24302	0.19364	0.019235746
offsite	592314.99	4140164.85	0.65581	0.57702	0.22455	0.19498	0.017243697
offsite	592414.99	4140164.85	0.60173	0.49396	0.20822	0.19588	0.015632173
offsite	592514.99	4140164.85	0.5514	0.42961	0.1937	0.19631	0.014286214
offsite	592614.99	4140164.85	0.50465	0.37826	0.18081	0.19625	0.013135552
offsite	592714.99	4140164.85	0.46122	0.33638	0.16924	0.19562	0.012132339
offsite	592814.99	4140164.85	0.42083	0.30187	0.15885	0.19425	0.011246103
park	591314.99	4140264.85	3.71116	1.26672	0.62519	0.17734	0.056086293
park	591414.99	4140264.85	2.61034	1.98131	0.54596	0.18428	0.054060506
offsite	591614.99	4140264.85	1.66859	9.94362	0.42775	0.19514	0.137429279
offsite	591714.99	4140264.85	1.42631	2.92379	0.38285	0.19924	0.05310394
offsite	591814.99	4140264.85	1.25238	1.74602	0.34475	0.20256	0.037484203
park	591914.99	4140264.85	1.11874	1.23198	0.31227	0.20539	0.030002398
offsite	592014.99	4140264.85	1.00858	0.94259	0.28416	0.20761	0.02538319
offsite	592114.99	4140264.85	0.91008	0.75671	0.26006	0.20953	0.02211284
offsite	592214.99	4140264.85	0.82132	0.6272	0.23894	0.2108	0.019609798

Roadway HRA
Project Contribution

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	592314.99	4140264.85	0.74101	0.53202	0.22043	0.21159	0.01760395
offsite	592414.99	4140264.85	0.66892	0.45938	0.20411	0.21192	0.015951415
offsite	592514.99	4140264.85	0.60439	0.40219	0.18973	0.21182	0.014561394
offsite	592614.99	4140264.85	0.54602	0.35602	0.17696	0.21112	0.013364412
path	592714.99	4140264.85	0.49279	0.31798	0.1655	0.20976	0.012313852
path	592814.99	4140264.85	0.44411	0.28653	0.15534	0.20749	0.011383632
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.048203651
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.053554891
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.067659027
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.121448954
park	591414.99	4140364.85	5.41692	2.89298	0.54444	0.20822	0.089224567
offsite	591614.99	4140364.85	2.4506	4.22363	0.42399	0.21825	0.077798864
school	591714.99	4140364.85	1.96167	2.14283	0.37841	0.22174	0.048852127
school	591814.99	4140364.85	1.65135	1.42893	0.33983	0.22438	0.037441838
school	591914.99	4140364.85	1.42828	1.06106	0.30709	0.22649	0.030877406
offsite	592014.99	4140364.85	1.24904	0.83606	0.27898	0.22808	0.02640313
offsite	592114.99	4140364.85	1.09253	0.68386	0.25469	0.22916	0.023011163
offsite	592214.99	4140364.85	0.95749	0.57429	0.23375	0.22984	0.020335111
offsite	592314.99	4140364.85	0.84282	0.49179	0.21533	0.22993	0.01817251
offsite	592414.99	4140364.85	0.74664	0.42777	0.19931	0.2297	0.016408827
offsite	592514.99	4140364.85	0.66397	0.37671	0.18514	0.22888	0.014927234
offsite	592614.99	4140364.85	0.59118	0.33511	0.17259	0.22737	0.013651757
path	592714.99	4140364.85	0.52588	0.30063	0.16139	0.225	0.012529387
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.043068899
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.042160412
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.043986771
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.049637833
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.060662627
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.086224042
offsite	591514.99	4140464.85	11.9602	7.63164	0.47473	0.24289	0.200639585
offsite	591614.99	4140464.85	4.79699	2.755	0.41739	0.24482	0.081229403
offsite	591714.99	4140464.85	3.21746	1.68904	0.37142	0.24733	0.054651222
school	591814.99	4140464.85	2.45836	1.20613	0.33287	0.24912	0.042038937
offsite	591914.99	4140464.85	1.986	0.92893	0.3001	0.25022	0.034361562
offsite	592014.99	4140464.85	1.63071	0.74846	0.27223	0.25096	0.028875558
offsite	592114.99	4140464.85	1.34734	0.62145	0.24827	0.25126	0.024674042
offsite	592214.99	4140464.85	1.12997	0.52748	0.22756	0.25109	0.021460055
offsite	592314.99	4140464.85	0.96534	0.4554	0.20953	0.25045	0.018982483
offsite	592414.99	4140464.85	0.83775	0.39864	0.19389	0.24947	0.01702717
offsite	592514.99	4140464.85	0.73267	0.35289	0.17999	0.24775	0.01540609
path	592614.99	4140464.85	0.64175	0.31531	0.16782	0.24532	0.014014155
path	592714.99	4140464.85	0.56081	0.28388	0.15696	0.24196	0.012784297
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.061971841
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.046382531
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.04110543
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.039676385
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.040542027
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.044417504
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.052504584
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.074481593
offsite	591714.99	4140564.85	10.93829	1.38917	0.36212	0.27662	0.118195719
offsite	591814.99	4140564.85	5.08341	1.03982	0.32392	0.27721	0.063040188
offsite	591914.99	4140564.85	3.31374	0.82289	0.29163	0.27719	0.044832826
offsite	592014.99	4140564.85	2.30074	0.67452	0.26411	0.27675	0.034020376
offsite	592114.99	4140564.85	1.70781	0.56694	0.24071	0.27608	0.027361902
offsite	592214.99	4140564.85	1.34913	0.48554	0.22049	0.27495	0.023066076
offsite	592314.99	4140564.85	1.11598	0.42217	0.20302	0.27345	0.020093457
offsite	592414.99	4140564.85	0.94989	0.37164	0.18778	0.27147	0.017870478
path	592514.99	4140564.85	0.8165	0.33059	0.17448	0.26884	0.016055415
path	592614.99	4140564.85	0.70008	0.29661	0.16272	0.2652	0.014475315

Roadway HRA
Project Contribution

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.149457304
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.06107897
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.045659455
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.040445015
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.038787541
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.039604348
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.043711923
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.05427926
offsite	591314.99	4140664.85	2.2313	6.67174	0.60105	0.30516	0.107457225
offsite	591914.99	4140664.85	10.44952	0.73481	0.28149	0.30771	0.105787071
offsite	592014.99	4140664.85	3.56423	0.61041	0.2545	0.30574	0.04443473
offsite	592114.99	4140664.85	2.21972	0.51823	0.23183	0.30389	0.031447474
offsite	592214.99	4140664.85	1.63705	0.44735	0.21243	0.30176	0.025333886
path	592314.99	4140664.85	1.31516	0.39137	0.19591	0.29966	0.021683403
path	592414.99	4140664.85	1.10459	0.3466	0.18136	0.29643	0.019135935
path	592514.99	4140664.85	0.92734	0.30971	0.16864	0.29256	0.01698197
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.150715638
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.061274039
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.045898445
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.040505111
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.039076172
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.040110705
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.046033696
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.06571759
offsite	592014.99	4140764.85	6.87477	0.55498	0.24466	0.33969	0.072716731
path	592114.99	4140764.85	3.07953	0.47503	0.2229	0.33659	0.03866391
path	592214.99	4140764.85	2.08739	0.41318	0.20444	0.33305	0.029107001
path	592314.99	4140764.85	1.63289	0.36343	0.18843	0.3294	0.024369431
offsite	590714.99	4140864.85	0.90408	0.66981	2.33819	0.37835	0.046784243
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.041319248
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.040148038
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.042548443
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.052307065
offsite	591214.99	4140864.85	1.29664	8.59958	0.66601	0.41344	0.123834754
Phase7	591314.99	4140864.85	1.42654	5.62814	0.56007	0.41045	0.089102448
path	591914.99	4140864.85	5.18803	0.59501	0.25766	0.38347	0.059250137
path	592114.99	4140864.85	5.25384	0.43635	0.21317	0.37399	0.057351934
Phase5	590714.99	4140964.85	0.81493	0.74878	2.31683	0.49909	0.04810122
Phase5	590814.99	4140964.85	0.83379	0.88609	1.58334	0.51162	0.041624002
Phase5	590914.99	4140964.85	0.91505	1.24463	1.21985	0.50918	0.042318678
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.046819231
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.06840504
Phase7	591314.99	4140964.85	1.21455	3.18739	0.52992	0.48559	0.059374033
Phase7	591414.99	4140964.85	1.32649	1.82344	0.44189	0.47575	0.043334262
Phase8	591514.99	4140964.85	1.45834	1.26834	0.38068	0.46563	0.037191233
Phase8	591614.99	4140964.85	1.6083	0.97352	0.34277	0.45232	0.034465589
path	591914.99	4140964.85	3.37142	0.53894	0.24442	0.43132	0.043288182
offsite	592014.99	4140964.85	6.49538	0.46182	0.22203	0.42478	0.069086009
Phase5	590714.99	4141064.85	0.72377	0.81963	2.24297	0.65508	0.049118414
Phase5	590814.99	4141064.85	0.75236	0.94849	1.4133	0.62764	0.04105962
Phase5	590914.99	4141064.85	0.80363	1.33396	1.10899	0.63147	0.042558484
Phase5	591014.99	4141064.85	0.85389	2.16383	0.87437	0.62034	0.049846534
Phase7	591214.99	4141064.85	0.991	4.86026	0.59714	0.57695	0.078762202
Phase7	591314.99	4141064.85	1.06395	2.20454	0.4846	0.56748	0.047063244
Phase7	591414.99	4141064.85	1.13226	1.42228	0.40726	0.53866	0.03732139
Phase8	591514.99	4141064.85	1.23404	1.05573	0.34975	0.52408	0.033104457
Phase8	591614.99	4141064.85	1.37544	0.83569	0.30539	0.51456	0.031146353
Phase8	591714.99	4141064.85	1.59145	0.69287	0.28386	0.5096	0.031047581
path	591814.99	4141064.85	1.89556	0.57616	0.25559	0.49832	0.03186416
offsite	591914.99	4141064.85	2.41673	0.48979	0.23101	0.48968	0.034985215

Roadway HRA
Project Contribution

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	592014.99	4141064.85	3.27292	0.42304	0.21038	0.48094	0.041277391
offsite	592114.99	4141064.85	4.71179	0.37021	0.19296	0.47243	0.052812458
offsite	592214.99	4141064.85	6.96192	0.32767	0.17806	0.46392	0.071515239
offsite	592314.99	4141064.85	6.35648	0.29284	0.16511	0.45462	0.065614391
Phase5	590714.99	4141164.85	0.66605	0.89022	2.05619	0.89998	0.05017113
Phase5	590814.99	4141164.85	0.68612	1.08247	1.32866	0.80726	0.043180963
Phase5	590914.99	4141164.85	0.73002	1.62278	1.02757	0.79118	0.046223425
offsite	591014.99	4141164.85	0.78454	3.95294	0.81699	0.78597	0.071367143
Phase6	591114.99	4141164.85	0.82837	11.31349	0.67388	0.72279	0.155103166
Phase6	591214.99	4141164.85	0.88623	2.90624	0.53448	0.69924	0.055810641
Phase7	591314.99	4141164.85	0.93648	1.68259	0.44042	0.65306	0.040377136
Phase8	591414.99	4141164.85	0.98925	1.17518	0.37019	0.63033	0.033854702
Phase8	591514.99	4141164.85	1.07605	0.90795	0.31955	0.60262	0.030589916
Phase8	591614.99	4141164.85	1.19651	0.74458	0.28195	0.59838	0.029249774
path	591714.99	4141164.85	1.32593	0.6184	0.26693	0.58496	0.028571082
path	591814.99	4141164.85	1.51764	0.52094	0.23982	0.57369	0.028652768
offsite	591914.99	4141164.85	1.76524	0.4468	0.21761	0.56265	0.029548352
offsite	592014.99	4141164.85	2.04461	0.38854	0.19887	0.55136	0.030940523
offsite	592114.99	4141164.85	2.27258	0.34199	0.18303	0.54009	0.032057764
offsite	592214.99	4141164.85	2.18962	0.30421	0.1694	0.52879	0.030611894
offsite	592314.99	4141164.85	1.60857	0.27322	0.15771	0.51642	0.024945281
offsite	590714.99	4141264.85	0.61468	1.05837	2.0248	1.28793	0.055865521
offsite	590814.99	4141264.85	0.65479	1.55973	1.39467	1.15212	0.053258555
offsite	590914.99	4141264.85	0.67348	2.36037	0.96176	1.04814	0.05657947
Phase6	591114.99	4141264.85	0.74824	4.34735	0.61261	0.88335	0.074449605
offsite	591214.99	4141264.85	0.79777	2.0811	0.4763	0.8377	0.046389285
Phase6	591314.99	4141264.85	0.83815	1.37172	0.39583	0.76613	0.036718669
Phase6	591414.99	4141264.85	0.89158	1.02073	0.33682	0.72958	0.031990436
Phase8	591514.99	4141264.85	0.95529	0.81218	0.29437	0.71291	0.029432166
path	591614.99	4141264.85	1.01647	0.66847	0.27815	0.7011	0.027963996
path	591714.99	4141264.85	1.10535	0.55716	0.2487	0.68547	0.026916907
offsite	591814.99	4141264.85	1.20513	0.47348	0.22457	0.67137	0.026364674
offsite	591914.99	4141264.85	1.3004	0.40866	0.20454	0.65751	0.026042779
offsite	592014.99	4141264.85	1.35823	0.35748	0.18781	0.64306	0.025586651
offsite	592114.99	4141264.85	1.32263	0.31633	0.17351	0.62793	0.024458816
offsite	592214.99	4141264.85	1.14392	0.2828	0.1612	0.61267	0.022202774
offsite	592314.99	4141264.85	0.86606	0.2551	0.15047	0.59552	0.019152739
offsite	592414.99	4141264.85	0.62559	0.23188	0.14097	0.57329	0.016433009
Phase6	591014.99	4141364.85	0.65236	8.39915	0.6796	1.22889	0.125622459
Phase6	591114.99	4141364.85	0.6702	2.37905	0.49166	1.07077	0.051658582
Phase6	591214.99	4141364.85	0.70511	1.58532	0.40963	0.98857	0.040815957
Phase6	591314.99	4141364.85	0.7409	1.14861	0.34711	0.92318	0.034559102
Phase6	591414.99	4141364.85	0.79013	0.89426	0.30309	0.87162	0.030915912
Phase6	591514.99	4141364.85	0.82169	0.72991	0.28894	0.86575	0.029044232
path	591614.99	4141364.85	0.86752	0.5993	0.25697	0.8421	0.027277225
offsite	591714.99	4141364.85	0.91431	0.50354	0.2312	0.82312	0.02604997
offsite	591814.99	4141364.85	0.95406	0.43077	0.21006	0.80569	0.025100654
offsite	591914.99	4141364.85	0.97257	0.37412	0.19233	0.78766	0.024187295
offsite	592014.99	4141364.85	0.95079	0.32912	0.1773	0.76807	0.023073657
offsite	592114.99	4141364.85	0.87206	0.29278	0.16446	0.74714	0.021577514
offsite	592214.99	4141364.85	0.7397	0.26302	0.15333	0.72574	0.019708055
offsite	592314.99	4141364.85	0.58987	0.23837	0.14363	0.70099	0.017724117
offsite	592414.99	4141364.85	0.46652	0.2177	0.1351	0.66723	0.015923598
offsite	592514.99	4141364.85	0.38163	0.20008	0.12738	0.62195	0.014365833
Phase6	591014.99	4141464.85	0.59376	4.36886	0.53654	1.58524	0.080706297
Phase6	591114.99	4141464.85	0.60882	2.00352	0.42083	1.36007	0.049328643
Phase6	591214.99	4141464.85	0.63224	1.33263	0.35371	1.22311	0.039347143
Phase6	591314.99	4141464.85	0.6678	1.00537	0.31023	1.14619	0.034445907
Phase6	591414.99	4141464.85	0.69903	0.80706	0.29278	1.11843	0.031881967
path	591514.99	4141464.85	0.71384	0.64925	0.26463	1.0815	0.029418055

Roadway HRA
Project Contribution

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	591614.99	4141464.85	0.7375	0.53729	0.23742	1.05328	0.027677411
offsite	591714.99	4141464.85	0.75438	0.45455	0.21466	1.02588	0.026278921
offsite	591814.99	4141464.85	0.76039	0.39183	0.19646	1.00272	0.025121314
offsite	591914.99	4141464.85	0.74509	0.34243	0.18082	0.97755	0.023940229
offsite	592014.99	4141464.85	0.70203	0.30304	0.16746	0.94994	0.022633074
offsite	592114.99	4141464.85	0.62988	0.27108	0.15596	0.91933	0.021146937
offsite	592214.99	4141464.85	0.53861	0.2448	0.14596	0.88739	0.019563121
offsite	592314.99	4141464.85	0.44764	0.22292	0.13718	0.84919	0.017973852
offsite	592414.99	4141464.85	0.37294	0.20445	0.12934	0.79432	0.016380771
Phase6	591214.99	4141564.85	0.57827	1.16519	0.31875	1.64789	0.041500354
Phase6	591314.99	4141564.85	0.59799	0.88841	0.28872	1.55366	0.037001281
path	591414.99	4141564.85	0.60732	0.70773	0.27123	1.49882	0.034135901
path	591514.99	4141564.85	0.61934	0.5753	0.24262	1.44634	0.031756262
offsite	591614.99	4141564.85	0.62621	0.4803	0.21897	1.40156	0.029914836
offsite	591714.99	4141564.85	0.62611	0.40997	0.19973	1.36215	0.028413703
offsite	591814.99	4141564.85	0.61439	0.3559	0.1836	1.32123	0.027019313
offsite	591914.99	4141564.85	0.58721	0.31319	0.16981	1.28259	0.025676909
offsite	592014.99	4141564.85	0.54334	0.27891	0.15798	1.24104	0.024276654
offsite	592114.99	4141564.85	0.48553	0.25101	0.14776	1.19206	0.022761573
offsite	592214.99	4141564.85	0.42137	0.22786	0.13875	1.14124	0.021239184
offsite	592314.99	4141564.85	0.36115	0.20876	0.13108	1.07543	0.019637986
path	591414.99	4141664.85	0.53541	0.61467	0.24655	2.28387	0.041333112
offsite	591514.99	4141664.85	0.5376	0.50627	0.22254	2.19125	0.03873125
offsite	591614.99	4141664.85	0.53452	0.42778	0.2026	2.10526	0.036556277
offsite	591714.99	4141664.85	0.52484	0.369	0.18613	2.02579	0.034669736
offsite	591814.99	4141664.85	0.50587	0.32322	0.17209	1.94166	0.032827494
offsite	591914.99	4141664.85	0.47659	0.28676	0.16001	1.87254	0.031202638
offsite	592014.99	4141664.85	0.43778	0.25726	0.14957	1.79155	0.029456262
offsite	592114.99	4141664.85	0.39242	0.23296	0.1404	1.69403	0.027534893
offsite	592214.99	4141664.85	0.34576	0.21273	0.13234	1.6061	0.025774581
path	591314.99	4141764.85	0.47356	0.65291	0.24907	5.44263	0.078231265
offsite	591414.99	4141764.85	0.47333	0.53016	0.22519	5.02672	0.071660154
offsite	591514.99	4141764.85	0.4688	0.44419	0.20485	4.57176	0.065063807
offsite	591614.99	4141764.85	0.46018	0.38078	0.18812	4.24575	0.060244894
offsite	591714.99	4141764.85	0.44588	0.33224	0.17399	3.95624	0.056006833
offsite	591814.99	4141764.85	0.42464	0.29372	0.16165	3.68341	0.052041065
offsite	591914.99	4141764.85	0.39716	0.26294	0.15114	3.47562	0.048893384
offsite	592014.99	4141764.85	0.36422	0.23764	0.14187	3.1915	0.044883369
offsite	592114.99	4141764.85	0.32852	0.21663	0.13369	2.93711	0.041259761
offsite	590914.99	4141964.85	0.38994	1.38121	0.30994	2.67044	0.054250633
path	591214.99	4141964.85	0.38632	0.56095	0.2255	3.91723	0.058287927
path	591314.99	4141964.85	0.3819	0.46555	0.20648	4.17259	0.059908885
offsite	590814.99	4142064.85	0.36178	1.35808	0.30615	1.7833	0.043314272
offsite	590914.99	4142064.85	0.3613	0.9324	0.27351	1.9813	0.040295505
offsite	591014.99	4142064.85	0.35964	0.70185	0.24679	2.17745	0.039585354
path	591114.99	4142064.85	0.35626	0.56144	0.22436	2.33172	0.039469263
path	591214.99	4142064.85	0.35158	0.46697	0.20562	2.44309	0.03941725
offsite	590714.99	4142164.85	0.33841	1.17124	0.30201	1.34291	0.035735731
offsite	590814.99	4142164.85	0.33729	0.87484	0.27057	1.45247	0.033196149
path	590914.99	4142164.85	0.33536	0.67932	0.24475	1.56154	0.031883086
path	591014.99	4142164.85	0.33174	0.551	0.22298	1.65416	0.031191947
path	591114.99	4142164.85	0.32716	0.46136	0.20464	1.7279	0.030761341
path	590414.99	4142264.85	0.3178	0.96269	0.37455	0.93595	0.029196066
path	590514.99	4142264.85	0.3181	1.03964	0.33348	1.00296	0.030409418
path	590614.99	4142264.85	0.31781	0.95892	0.29731	1.07278	0.029870101
path	590714.99	4142264.85	0.31648	0.7875	0.26711	1.14326	0.028341333
path	590814.99	4142264.85	0.31438	0.64198	0.2422	1.21224	0.027150507
path	590914.99	4142264.85	0.31155	0.53248	0.22158	1.27614	0.026362521
path	591014.99	4142264.85	0.3074	0.45069	0.20382	1.32896	0.025788925
school	591514.99	4142364.85	0.2429	0.2257	0.13601	1.11022	0.01927562

Roadway HRA
Project Contribution

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
park	591214.99	4142464.85	0.2513	0.26849	0.15287	0.93896	0.018035635
park	591314.99	4142464.85	0.24255	0.2446	0.14376	0.93118	0.017486482
school	591414.99	4142464.85	0.23359	0.2246	0.136	0.91495	0.016897386
path	590414.99	4142564.85	0.27149	0.5079	0.25672	0.69117	0.019286955
offsite	590914.99	4142564.85	0.25287	0.32319	0.17319	0.79032	0.017179505
offsite	591014.99	4142564.85	0.24778	0.29208	0.16268	0.79753	0.016737306
offsite	591114.99	4142564.85	0.24122	0.26531	0.15298	0.7976	0.016258659
park	591214.99	4142564.85	0.23304	0.242	0.14374	0.78962	0.015717366
park	591314.99	4142564.85	0.22503	0.22274	0.13596	0.77542	0.015168633
school	591414.99	4142564.85	0.21631	0.20601	0.12896	0.75252	0.014550348
path	590314.99	4142664.85	0.25944	0.44505	0.25161	0.60893	0.017429976
offsite	590514.99	4142664.85	0.25404	0.41007	0.21451	0.6475	0.017002931
offsite	590614.99	4142664.85	0.25068	0.37983	0.19855	0.66356	0.016627071
offsite	590714.99	4142664.85	0.24699	0.34707	0.1848	0.67681	0.016211393
offsite	590814.99	4142664.85	0.24273	0.31547	0.17281	0.68629	0.015780307
offsite	590914.99	4142664.85	0.23784	0.28696	0.16229	0.69129	0.01534415
offsite	591014.99	4142664.85	0.23171	0.26156	0.1526	0.69051	0.014875349
park	591214.99	4142664.85	0.21754	0.22082	0.13608	0.67184	0.0138709
path	590314.99	4142764.85	0.24731	0.39154	0.22971	0.56168	0.015898526
offsite	590514.99	4142764.85	0.24083	0.35663	0.19765	0.58801	0.015377363
offsite	590614.99	4142764.85	0.23728	0.33195	0.18406	0.59817	0.015022683
offsite	590714.99	4142764.85	0.23333	0.30603	0.17223	0.60541	0.014636058
offsite	590814.99	4142764.85	0.22849	0.28069	0.16162	0.60864	0.014215517
offsite	590914.99	4142764.85	0.2232	0.25764	0.15227	0.6079	0.013785711
offsite	591014.99	4142764.85	0.21717	0.23696	0.14378	0.60243	0.013331596
offsite	591114.99	4142764.85	0.21088	0.21906	0.13628	0.59243	0.012865928
park	591239.54	4140294.63	8.68408	1.04294	0.6985	0.17813	0.097353099
park	591338.72	4140348.36	8.10935	1.70094	0.60488	0.1989	0.099217216

Roadway HRA
Project Contribution

City Place Roadway HRA - Toxics

Truck g/s	Scaling Factor - Annual	Scaling Factor - 1hr
Tasman	0.00429	0.01173
Lafayette	0.00578	0.01611
Great Am	0.00567	0.01205
SR237	0.00721	0.01601

CANCER RISK
Cancer risk is calculated by multiplying the scaled annual average concentration by the Unit Risk Factor (TOG Speciation tab).

CHRONIC HAZARD QUOTIENT
Chronic risk is calculated by dividing the scaled 1-hr average concentration by the Unit Risk Factor (TOG Speciation tab).

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED: Tasman	Lafayette	Great Am	SR237	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED: Tasman	Lafayette	Great Am	SR237	Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	r Million (Residential 30-yr; school and par: Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	589514.99	4140064.85	0.30022	0.19426	0.49587	0.07197	0.005741004	32.71507	5.51455	16.77567	17.33471	0.952270866	Residential	1.05E-08	0	2.7E-04
offsite	589514.99	4139964.85	0.24955	0.17954	0.41156	0.06861	0.004936251	40.78093	5.41622	16.79108	16.34704	1.029693222	Residential	8.99E-09	0	2.3E-04
offsite	589514.99	4139864.85	0.21047	0.16589	0.33759	0.0657	0.004249287	34.00449	5.41877	16.79698	15.34252	0.934220602	Residential	7.74E-09	0	2.0E-04
offsite	589514.99	4139764.85	0.18021	0.1533	0.27626	0.06316	0.003680635	37.49381	5.45883	16.80069	14.74086	0.966216648	Residential	6.70E-09	0	1.7E-04
offsite	589514.99	4139664.85	0.15597	0.14161	0.228	0.06088	0.003219001	40.98284	5.46788	16.76644	14.07559	0.996234185	Residential	5.86E-09	0	1.5E-04
offsite	589514.99	4139564.85	0.13594	0.13089	0.19123	0.05883	0.002847847	35.57667	5.46886	16.56525	13.41077	0.919755771	Residential	5.19E-09	0	1.3E-04
offsite	589514.99	4139464.85	0.1193	0.12107	0.16351	0.05695	0.002548981	31.68553	5.60413	16.24627	12.78527	0.862425235	Residential	4.64E-09	0	1.2E-04
offsite	589514.99	4139364.85	0.10575	0.11218	0.14243	0.05524	0.002307624	28.40451	5.74344	16.40645	12.50402	0.823602221	Residential	4.20E-09	0	1.1E-04
offsite	589514.99	4139264.85	0.09489	0.10388	0.12626	0.05362	0.002109709	28.5725	5.8391	16.50796	12.31514	0.825313099	Residential	3.84E-09	0	9.8E-05
offsite	589614.99	4140064.85	0.34042	0.20546	0.59261	0.07536	0.006551197	36.62459	5.54982	18.07795	16.40999	0.999594137	Residential	1.19E-08	0	3.0E-04
offsite	589614.99	4139964.85	0.27629	0.18954	0.48699	0.07176	0.005559187	44.54871	5.54079	18.09639	15.46091	1.077446016	Residential	1.01E-08	0	2.6E-04
offsite	589614.99	4139864.85	0.22834	0.17474	0.39314	0.06862	0.004713133	35.11709	5.53521	18.10301	14.68806	0.95440833	Residential	8.58E-09	0	2.2E-04
offsite	589614.99	4139764.85	0.1922	0.16105	0.31528	0.06587	0.004017649	43.98139	5.64272	18.09888	13.92472	1.047869154	Residential	7.32E-09	0	1.9E-04
offsite	589614.99	4139664.85	0.1639	0.14835	0.25493	0.06336	0.003462545	42.95858	5.80455	18.04586	13.21057	1.026403996	Residential	6.30E-09	0	1.6E-04
offsite	589614.99	4139564.85	0.14122	0.13676	0.21002	0.06111	0.003027395	35.04785	5.91096	17.7559	12.8094	0.925390251	Residential	5.51E-09	0	1.4E-04
offsite	589614.99	4139464.85	0.12309	0.12616	0.17711	0.05904	0.002686831	31.92097	5.97363	17.08889	12.54941	0.877515072	Residential	4.89E-09	0	1.2E-04
offsite	589614.99	4139364.85	0.10882	0.11659	0.15278	0.05714	0.002418658	29.83113	6.0013	17.47209	12.31424	0.854294254	Residential	4.40E-09	0	1.1E-04
offsite	589614.99	4139264.85	0.09768	0.10771	0.13457	0.05537	0.002203542	29.26594	6.07594	17.95301	12.05793	0.850556631	Residential	4.01E-09	0	1.0E-04
path	590314.99	4142764.85	0.49924	1.35791	0.44787	1.14522	0.020781054	7.8449	43.96344	50.28042	14.25639	1.634112393	Parks/Paths	3.78E-08	0	9.6E-04
path	590314.99	4142664.85	0.52393	1.67941	0.49011	1.24433	0.023698117	7.8935	44.84928	52.2269	15.89305	1.698609862	Parks/Paths	4.32E-08	0	1.1E-03
path	590414.99	4142564.85	0.54783	2.4914	0.50038	1.41074	0.029749003	7.96515	57.38095	55.84681	17.30989	1.967571489	Parks/Paths	5.42E-08	0	1.4E-03
path	590414.99	4142264.85	0.64196	3.29134	0.72702	1.90984	0.039656668	8.18756	58.9328	76.47928	21.79905	2.315635762	Parks/Paths	7.22E-08	0	1.8E-03
offsite	590514.99	4142764.85	0.48496	1.25352	0.38853	1.19154	0.020114156	7.81679	50.04581	47.56107	14.31017	1.699842902	Residential	3.66E-08	0	9.3E-04
offsite	590514.99	4142664.85	0.51183	1.8349	0.42116	1.31634	0.024672493	7.83322	63.78135	50.54152	15.2247	1.97179903	Residential	4.49E-08	0	1.1E-03
path	590514.99	4142264.85	0.64183	5.81572	0.65127	2.04449	0.054779588	8.23945	88.53724	69.68534	22.39601	2.720724394	Parks/Paths	9.97E-08	0	2.5E-03
Phase4	590514.99	4140764.85	1.83489	0.80896	22.42546	0.47592	0.143139848	15.98804	11.71891	205.5199	18.09394	3.142240274	Residential	2.61E-07	0	6.6E-03
Phase4	590514.99	4140664.85	2.08319	0.73977	22.14638	0.37133	0.141469196	17.89171	10.65554	202.82676	16.59699	3.0910358	Residential	2.58E-07	0	6.5E-03
offsite	590614.99	4142764.85	0.47735	1.06438	0.36533	1.20751	0.01897247	7.87031	44.48737	40.88581	14.35051	1.531168595	Residential	3.45E-08	0	8.8E-04
offsite	590614.99	4142664.85	0.5046	1.48834	0.39386	1.34458	0.022688275	7.88133	62.84651	44.93104	15.31231	1.891110782	Residential	4.13E-08	0	1.0E-03
path	590614.99	4142264.85	0.64071	45.69914	0.58832	2.18478	0.285821072	8.27345	294.25172	66.43316	23.69958	6.015856493	Parks/Paths	5.20E-07	1	1.3E-02
Phase4	590614.99	4140764.85	1.94395	0.93339	7.54545	0.54416	0.060441978	16.68015	13.17647	78.18854	17.18033	1.62501898	Residential	1.10E-07	0	2.8E-03
Phase4	590614.99	4140664.85	2.21407	0.84877	7.51833	0.42613	0.060107673	19.14132	11.96184	74.81894	15.77723	1.571271135	Residential	1.09E-07	0	2.8E-03
Phase4	590614.99	4140564.85	2.59498	0.77319	7.49784	0.34615	0.060612858	22.14042	10.94495	70.57176	14.61578	1.520313829	Residential	1.10E-07	0	2.8E-03
offsite	590714.99	4142764.85	0.46904	0.89644	0.34555	1.21687	0.017921991	7.98873	34.67978	45.26307	14.33565	1.427108684	Residential	3.26E-08	0	8.3E-04
offsite	590714.99	4142664.85	0.49682	1.14496	0.3707	1.366	0.020694383	7.98769	41.27732	46.85328	15.38908	1.56937463	Residential	3.77E-08	0	9.6E-04
path	590714.99	4142264.85	0.63765	4.94989	0.535	2.32668	0.051134858	8.27144	37.56558	53.62931	24.36911	1.73832767	Parks/Paths	9.31E-08	0	2.4E-03
offsite	590714.99	4142164.85	0.68207	5.39194	0.60468	2.72	0.057109293	8.46771	49.17464	56.13105	27.76089	2.012036345	Residential	1.04E-07	0	2.6E-03
offsite	590714.99	4141264.85	1.25568	1.91613	4.05846	2.54758	0.057833847	11.80857	22.37245	53.4934	31.81879	1.652762255	Residential	1.05E-07	0	2.7E-03
Phase5	590714.99	4141164.85	1.3543	1.6145	4.15477	1.82492	0.051851628	12.44548	20.14748	51.23592	25.67119	1.498786204	Residential	9.44E-08	0	2.4E-03
Phase5	590714.99	4141064.85	1.48721	1.48843	4.5022	1.33525	0.05013411	13.69539	18.42721	48.92894	22.25627	1.403280649	Residential	9.13E-08	0	2.3E-03
Phase5	590714.99	4140964.85	1.66366	1.36885	4.60607	1.02961	0.048586349	14.75822	17.06007	47.86581	19.72526	1.340404563	Residential	8.85E-08	0	2.2E-03
offsite	590714.99	4140864.85	1.84508	1.22548	4.64828	0.78207	0.046991647	15.71781	15.86374	47.60951	17.71022	1.297049493	Residential	8.56E-08	0	2.2E-03
Phase4	590714.99	4140764.85	2.07127	1.09945	4.64681	0.60206	0.045928308	17.37898	14.76111	47.40557	16.04638	1.269687804	Residential	8.36E-08	0	2.1E-03
Phase4	590714.99	4140664.85	2.35835	0.9798	4.64015	0.47624	0.045524288	19.72534	13.60043	47.04311	14.66761	1.252083749	Residential	8.29E-08	0	2.1E-03
Phase4	590714.99	4140564.85	2.78541	0.89571	4.63029	0.38722	0.046173458	22.84121	12.26124	46.89527	13.51281	1.246804338	Residential	8.41E-08	0	2.1E-03
offsite	590814.99	4142764.85	0.45903	0.77455	0.32727	1.21785	0.017078332	8.06918	23.79369	39.99777	14.81428	1.196952852	Residential	3.11E-08	0	7.9E-04
offsite	590814.99	4142664.85	0.48798	0.94044	0.34982	1.37877	0.019448663	8.09579	25.24812	40.87617	15.98171	1.249961506	Residential	3.54E-08	0	9.0E-04
path	590814.99	4142264.85	0.63313	2.74402	0.48923	2.46392	0.039102678	8.35327	28.42844	46.44625	24.69502	1.510803465	Parks/Paths	7.12E-08	0	1.8E-03
offsite	590814.99	4142164.85	0.67946	3.15287	0.54639	2.94236	0.045436096	8.50382	33.56274	46.6181	28.92688	1.665075404	Residential	8.27E-08	0	2.1E-03
offsite	590814.99	4142064.85	0.7289	3.74755	0.61838	3.58747	0.054141824	8.82186	41.73944	46.02576	34.00054	1.87457909	Residential	9.86E-08	0	2.5E-03
offsite	590814.99	4141264.85	1.32946	2.80768	2.7964	2.31683	0.054480831	12.21817	29.13655	37.92906	28.9388	1.532867691	Residential	9.92E-08	0	2.5E-03
Phase5	590814.99	4141164.85	1.3999	1.92632	2.7014	1.62676	0.044178903	12.85548	25.13824	37.54962	23.79575	1.389046231	Residential	8.04E-08	0	2.0E-03
Phase5	590814.99	4141064.85	1.5367	1.69813	2.87353	1.28096	0.041931186	13.60057	21.77067	37.60295	20.55969	1.29239025	Residential	7.64E-08	0	1.9E-03
Phase5	590814.99	4140964.85	1.70968	1.60771	3.20658	1.03161	0.042242291	15.38072	19.74831	37.20984	18.55765	1.243918724	Residential	7.69E-08	0	2.0E-03
Phase3	590814.99	4140864.85	1.96506	1.50141	3.30684	0.81632	0.041740728	16.64978	18.12791	37.19053	16.02427	1.191922266	Residential	7.60E-08	0	1.9E-03
Phase3	590814.99	4140764.85	2.21993	1.32907	3.33762	0.64644	0.04078883	18.34496	16.71774	37.15565	14.47754	1.163918388	Residential	7.43E-08	0	1.9E-03
Phase3	590814.99	4140664.85	2.55917	1.18538	3.3552	0.52458	0.040635755	20.76181	15.43814	37.12894	13.2361	1.151469994	Residential	7.40E-08	0	1.9E-03
Phase2	590814.99	4140564.85	3.02814	1.05937	3.35009	0.42669	0.041185602	24.27999	14.12748	37.07041	12.24434	1.155056251	Residential	7.50E-08	0	1.9E-03
Phase2	590814.99	4140464.85	3.75366	0.94967	3.33449	0.35525	0.043061698	29.23776	12.6328	36.96336	11.45695	1.175255746	Residential	7.84E-08	0	2.0E-03
offsite	590914.99	4142764.85	0.44823	0.68214	0.31026	1.21071	0.016350248	8.21443	19.10689	35.74492	15.68088	1.085807093	Residential	2.98E-08	0	7.6E-04
offsite	590914.99	4142664.85	0.47796	0.80182	0.33045	1.38177	0.018516697	8.28313	19.38294	37.09995	16.80334	1.125354556	Residential	3.37E-08	0	8.6E-04

Roadway HRA
Project Contribution

			AERMOD Output											r Million (Residential 30-yr; school and par		
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	590914.99	4142564.85	0.50846	0.97457	0.35238	1.58765	0.021253875	8.3174	18.14498	37.77045	18.10712	1.134769749	Residential	3.87E-08	0	9.8E-04
path	590914.99	4142264.85	0.62732	1.86257	0.44994	2.58701	0.034650402	8.61517	22.70863	36.54873	24.95192	1.306617564	Parks/Paths	6.31E-08	0	1.6E-03
path	590914.99	4142164.85	0.67547	2.17895	0.49702	3.15885	0.041073557	8.75991	25.8353	35.3666	29.46467	1.416671143	Parks/Paths	7.48E-08	0	1.9E-03
offsite	590914.99	4142064.85	0.72771	2.56256	0.55564	3.98654	0.049812293	8.94718	30.19595	33.98606	36.53807	1.585699203	Residential	9.07E-08	0	2.3E-03
offsite	590914.99	4141964.85	0.78543	3.1935	0.63032	5.29118	0.06353232	9.30199	36.72705	33.28361	48.84867	1.883659272	Residential	1.16E-07	0	2.9E-03
offsite	590914.99	4141264.85	1.36973	4.09453	1.95664	2.06685	0.055523549	12.75451	48.79921	31.47262	26.29784	1.735758326	Residential	1.01E-07	0	2.6E-03
Phase5	590914.99	4141164.85	1.486	2.84663	2.096	1.58742	0.046148185	13.38249	35.41605	31.56817	22.66339	1.470557404	Residential	8.40E-08	0	2.1E-03
Phase5	590914.99	4141064.85	1.63714	2.37214	2.26027	1.2807	0.042776344	14.48101	28.50786	31.04484	19.59651	1.316786299	Residential	7.79E-08	0	2.0E-03
Phase5	590914.99	4140964.85	1.86591	2.28264	2.46306	1.04969	0.042725723	15.98948	24.26218	31.27964	17.90061	1.241787035	Residential	7.78E-08	0	2.0E-03
Phase3	590914.99	4140864.85	2.0979	1.92887	2.5249	0.83673	0.040493185	17.59456	21.5156	31.23722	16.02166	1.185793804	Residential	7.37E-08	0	1.9E-03
Phase3	590914.99	4140764.85	2.37685	1.61428	2.58931	0.67059	0.039040545	19.45907	19.42827	31.1861	13.28353	1.129602377	Residential	7.11E-08	0	1.8E-03
Phase3	590914.99	4140664.85	2.77484	1.42354	2.59696	0.55321	0.038843761	22.11176	17.74533	31.12625	12.07	1.113472625	Residential	7.07E-08	0	1.8E-03
Phase2	590914.99	4140564.85	3.34733	1.28379	2.59992	0.46033	0.039840316	26.57115	16.25325	30.85599	11.3379	1.126785453	Residential	7.25E-08	0	1.8E-03
Phase2	590914.99	4140464.85	4.21834	1.14023	2.60062	0.39017	0.042246769	32.7294	14.74607	29.76773	10.73799	1.152047023	Residential	7.69E-08	0	2.0E-03
Phase2	590914.99	4140364.85	5.87858	1.0136	2.58175	0.33201	0.048113137	49.41769	13.07223	28.58951	10.28217	1.299389613	Residential	8.76E-08	0	2.2E-03
offsite	591014.99	4142764.85	0.43601	0.60885	0.29398	1.1945	0.015665282	8.38739	15.58689	32.15059	16.30265	0.99779281	Residential	2.85E-08	0	7.2E-04
offsite	591014.99	4142664.85	0.46552	0.69932	0.31171	1.37343	0.017704831	8.45581	14.6307	31.70371	17.48976	0.996815771	Residential	3.22E-08	0	8.2E-04
offsite	591014.99	4142564.85	0.49813	0.81851	0.332	1.59326	0.020232921	8.53781	14.69022	30.89554	18.91372	1.011794712	Residential	3.68E-08	0	9.4E-04
path	591014.99	4142264.85	0.61895	1.39519	0.41532	2.68564	0.032429241	8.86558	17.66178	29.89036	26.07271	1.165992579	Parks/Paths	5.90E-08	0	1.5E-03
path	591014.99	4142164.85	0.66799	1.63424	0.4544	3.34464	0.038992414	8.99324	19.03963	29.30644	33.82323	1.306721163	Parks/Paths	7.10E-08	0	1.8E-03
offsite	591014.99	4142064.85	0.72425	1.90104	0.50339	4.37551	0.048483597	9.19451	21.24412	28.69637	42.37669	1.474165449	Residential	8.83E-08	0	2.2E-03
Phase6	591014.99	4141664.85	1.01135	5.07056	0.85364	9.4478	0.106573117	10.78157	43.03709	27.97369	96.53462	2.702055265	Residential	1.94E-07	0	4.9E-03
Phase6	591014.99	4141564.85	1.10323	7.3132	1.00309	4.89244	0.08793357	11.32625	72.50584	27.82185	54.03114	2.500786269	Residential	1.60E-07	0	4.1E-03
Phase6	591014.99	4141464.85	1.20686	7.41659	1.10398	3.14424	0.076946124	11.92187	73.8905	27.50771	37.15429	2.256112453	Residential	1.40E-07	0	3.6E-03
Phase6	591014.99	4141364.85	1.31666	14.54996	1.36928	2.45266	0.115143451	12.59825	100.30316	27.31351	28.66484	2.551180998	Residential	2.10E-07	0	5.3E-03
offsite	591014.99	4141264.85	1.44242	30.71394	1.5552	1.94007	0.206415893	13.31664	232.80285	27.2811	24.55603	4.627361099	Residential	3.76E-07	0	9.5E-03
offsite	591014.99	4141164.85	1.59436	6.76635	1.67231	1.55664	0.066631566	14.31127	69.5411	27.24143	21.5598	1.961241999	Residential	1.21E-07	0	3.1E-03
Phase5	591014.99	4141064.85	1.73648	3.76768	1.78419	1.25377	0.048370427	15.43895	45.17725	27.10948	18.64818	1.533889264	Residential	8.81E-08	0	2.2E-03
Phase3	591014.99	4140964.85	1.98543	3.3885	1.9351	1.03909	0.04655655	16.943	32.64711	27.22629	17.12151	1.326703714	Residential	8.48E-08	0	2.2E-03
Phase3	591014.99	4140864.85	2.24221	2.626	2.01353	0.8445	0.042295791	18.72808	27.25097	27.17494	15.69225	1.237242285	Residential	7.70E-08	0	2.0E-03
Phase3	591014.99	4140764.85	2.56984	2.13708	2.06131	0.69194	0.040048584	21.01178	23.63315	26.96686	14.03233	1.176689867	Residential	7.29E-08	0	1.9E-03
Phase2	591014.99	4140664.85	3.04679	1.81221	2.0983	0.57453	0.039581953	24.15249	21.0374	26.39814	11.58627	1.125722351	Residential	7.21E-08	0	1.8E-03
Phase2	591014.99	4140564.85	3.74436	1.55544	2.11399	0.47975	0.040497734	29.49956	18.98902	24.88681	10.97437	1.127461356	Residential	7.37E-08	0	1.9E-03
Phase2	591014.99	4140464.85	4.92267	1.35068	2.1081	0.40691	0.043812595	39.30155	17.23323	24.89168	10.49118	1.20650818	Residential	7.98E-08	0	2.0E-03
Phase1	591014.99	4140364.85	7.39847	1.23196	2.09807	0.35797	0.053340816	62.16999	15.51997	24.91237	10.09034	1.441049285	Residential	9.71E-08	0	2.5E-03
offsite	591114.99	4142764.85	0.42336	0.5496	0.27908	1.17	0.015007643	8.55398	12.49873	27.69689	16.88545	0.905680378	Residential	2.73E-08	0	6.9E-04
offsite	591114.99	4142564.85	0.48488	0.7079	0.31269	1.58478	0.019366489	8.71488	13.09617	27.69448	19.74791	0.962985246	Residential	3.53E-08	0	9.0E-04
path	591114.99	4142164.85	0.65878	1.28953	0.4182	3.48557	0.037772218	9.21298	16.74112	26.0475	38.46214	1.307278273	Parks/Paths	6.88E-08	0	1.7E-03
path	591114.99	4142064.85	0.71741	1.4859	0.45904	4.67739	0.047980675	9.41891	18.22675	25.83463	48.41136	1.490330054	Parks/Paths	8.74E-08	0	2.2E-03
Phase6	591114.99	4141764.85	0.93925	2.45917	0.6414	19.50135	0.162443682	10.59361	23.65325	25.09574	188.14796	3.81960887	Residential	2.96E-07	0	7.5E-03
Phase6	591114.99	4141664.85	1.02935	3.01131	0.72849	6.44771	0.072419763	11.11214	29.2965	24.73194	67.83487	1.986134545	Residential	1.32E-07	0	3.3E-03
Phase6	591114.99	4141564.85	1.14506	3.50185	0.80667	3.95216	0.058204716	11.75089	34.04327	24.36268	44.71552	1.695515203	Residential	1.06E-07	0	2.7E-03
Phase6	591114.99	4141464.85	1.23636	3.64756	0.87008	2.62913	0.050261033	12.42106	46.87115	24.26385	32.63054	1.715316059	Residential	9.15E-08	0	2.3E-03
Phase6	591114.99	4141364.85	1.36133	4.22472	1.01294	2.10884	0.051191025	13.20933	42.67178	24.24504	25.95926	1.549907766	Residential	9.32E-08	0	2.4E-03
Phase6	591114.99	4141264.85	1.50922	7.77738	1.2381	1.79779	0.07138268	14.1777	59.22967	24.36519	22.93458	1.780961677	Residential	1.30E-07	0	3.3E-03
Phase6	591114.99	4141164.85	1.67404	18.78047	1.36563	1.47621	0.134055895	15.28214	123.4496	24.33755	20.42294	2.78764573	Residential	2.44E-07	0	6.2E-03
offsite	591114.99	4141064.85	1.86965	19.78125	1.4766	1.2271	0.139510004	16.57912	150.9593	24.30119	18.18541	3.209650379	Residential	2.54E-07	0	6.5E-03
Phase3	591114.99	4140964.85	2.11418	6.83178	1.5636	1.0163	0.06472874	18.25341	62.29146	24.17984	16.39636	1.771187968	Residential	1.18E-07	0	3.0E-03
Phase3	591114.99	4140864.85	2.43378	4.36393	1.63267	0.8523	0.05105378	20.35117	41.48002	23.83373	15.17967	1.436981743	Residential	9.30E-08	0	2.4E-03
Phase2	591114.99	4140764.85	2.84587	3.18207	1.68264	0.71358	0.04527831	23.16064	31.79909	22.82948	14.00961	1.283200083	Residential	8.24E-08	0	2.1E-03
Phase2	591114.99	4140664.85	3.41815	2.48703	1.72387	0.60065	0.043138738	27.14796	26.48104	22.04203	12.46722	1.210153604	Residential	7.86E-08	0	2.0E-03
Phase2	591114.99	4140564.85	4.33128	2.05703	1.75025	0.50732	0.044049871	33.78417	23.07512	22.13263	10.87849	1.208817499	Residential	8.02E-08	0	2.0E-03
Phase2	591114.99	4140464.85	6.05135	1.79906	1.75078	0.44193	0.049472158	48.98895	20.55421	22.21257	10.41603	1.340165884	Residential	9.01E-08	0	2.3E-03
Phase1	591114.99	4140364.85	10.60583	1.54732	1.7516	0.38113	0.067127631	85.34162	18.43754	22.21679	10.02159	1.726315998	Residential	1.22E-07	0	3.1E-03
park	591214.99	4142664.85	0.43708	0.55563	0.27859	1.32421	0.016210154	8.77447	11.89454	25.01107	18.61683	0.893893006	Parks/Paths	2.95E-08	0	7.5E-04
park	591214.99	4142564.85	0.46847	0.62307	0.29407	1.56103	0.018529262	8.8517	12.13402	24.49342	20.22981	0.918240642	Parks/Paths	3.37E-08	0	8.6E-04
park	591214.99	4142464.85	0.50545	0.70615	0.31266	1.865	0.021464371	8.97137	12.45451	24.50849	24.42035	0.992072966	Parks/Paths	3.91E-08	0	9.9E-04
path	591214.99	4142064.85	0.70819	1.20518	0.42171	4.89646	0.047686927	9.7845	14.23318	23.49568	56.52876	1.532070216	Parks/Paths	8.68E-08	0	2.2E-03
path	591214.99	4141964.85	0.77813	1.37587	0.46258	7.6913	0.069350709	10.22718	15.25377	23.2208	102.68431	2.289280285	Parks/Paths	1.26E-07	0	3.2E-03
Phase6	591214.99	4141764.85	0.94665	1.83769	0.56735	11.89844	0.103661803	11.22828	17.88289	22.1797	130.30826	2.773048076	Residential	1.89E-07	0	4.8E-03
Phase6	591214.99	4141664.85	1.04976	2.15145	0.63562	5.24155	0.058319326	11.83171	20.94164	22.18646	62.82442	1.749140153	Residential	1.06E-07	0	2.7E-03
Phase6	591214.99	4141564.85	1.17262	2.31311	0.66197	3.29942	0.04593043	12.49707	25.48346	22.11748	38.25499	1.435936347	Residential	8.36E-08	0	2.1E-03
Phase6	591214.99	4141464.85	1.28403	2.54196	0.73228	2.40911	0.041711587	13.23165	29.24021	22.08306	29.32321	1.361656334	Residential	7.60E-08	0	1.9E-03
Phase6	591214.99	4141364.85	1.43182	2.95685	0.84446	1.98874	0.042348404	14.10728	35.14656	22.07406	24.10944	1.38347756	Residential	7.71E-08	0	2.0E-03
offsite	591214.99	4141264.85	1.61037	3.83074	0.98056	1.71331	0.046949089	15.16046	33.5508	22.10354	21.48192	1.328425946	Residential	8.55E-08	0	2.2E-03
Phase6	591214.99	4141164.85	1.78845	5.16182	1.09896	1.42123	0.053968393	16.38887	42.49027	22.02654	19.35872	1.451891555	Residential	9.83E-08	0	2.5E-03
Phase7	591214.99	4141064.85	1.99903	8.32525	1.21237	1.18129	0.072059516	17.90114	63.65327	21.81821	17.54024	1.778844337	Residential	1.31E-07	0	3.3E-03
Phase7	591214.99	4140964.85	2.26451	27.35204	1.29265	1.00573	0.182299277	19.75908	169.85452	21.22879	15.74904	3.475246088	Residential	3.32E-07	0	8.4E-03
offsite	591214.99	4140864.85	2.63435	14.61979	1.35719	0.85548	0.10961962	22.55524	114.91405	20.1353	14.65905	2.592606033	Residential	2.00E-07	0	5.1E-03
Phase2	591214.99	4140764.85	3.14902	6.19548	1.40594	0.72466	0.062497351	26.47262	55.58062	20.01095	13.69821	1.666116042	Residential	1.14E-07	0	2.9E-03
Phase2	591214.99	4140664.85	3.8865	4.06175	1.44658	0.61774	0.052795841	32.11826	39.53579	19.95495	12.66123	1.456673924	Residential	9.61E-08	0	2.4E-03
Phase2	591214.99	4140564.85	5.15068	2.98274	1.47605	0.52839	0.051510447	41.28389	31.44642	19.74249	11.20275	1.408020165	Residential	9.38E-08	0	2.4E-03
Phase1	591214.99	4140464.85	7.92341	2.47062	1.48368	0.46209	0.060015272	64.68833	26.1711	20.05467	10.37289	1.588126573	Residential	1.09E-07	0	2.8E-03
Phase1	591214.99	4140364.85	23.17206	2.03861	1.48816	0.40133	0.122539166	185.01596	22.50868	20.13971	10.00677	2.936034539	Residential	2.23E-07	0	5.7E-03
offsite	591214.99	4139664.85	1.16475	0.70079	1.24467	0.18078	0.017407117	20.34938	12.59817	20.11723	8.70215	0.823339826	Residential	3.17E-08	0	8.0E-04
park	591239.54	4140294.63	16.30636	1.94141	1.43171	0.36951	0.091967462	189.94513	21.75846	19.71571	9.77967	2.973038745	Parks/Paths	1.67E-07	0	4.3E-03
park	591314.99	4142564.85	0.45253	0.55696	0.27837	1.52522	0.017731816	9.05947	11.52645	23.07717	23.6443	0.948490842	Parks/Paths	3.23E-08	0	8.2E-04
park	591314.99	4142464.85	0.48801	0.62114	0.29435	1.83854	0.020603908	9.16738	11.73017	22.75816	28.08328	1.020256549	Parks/Paths	3.75E-08	0	9.5E-04

Roadway HRA
Project Contribution

			AERMOD Output											r Million (Residential 30-yr; school and par		
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
path	591314.99	4141964.85	0.76973	1.13482	0.42424	8.19204	0.07131426	10.82873	13.39388	20.81617	116.93074	2.46547853	Parks/Paths	1.30E-07	0	3.3E-03
path	591314.99	4141764.85	0.95391	1.46045	0.50937	10.84487	0.093590609	11.9047	14.78016	20.47453	121.80677	2.574371055	Parks/Paths	1.70E-07	0	4.3E-03
Phase6	591314.99	4141664.85	1.06621	1.66404	0.56196	4.76343	0.051710229	12.54664	17.71035	20.47689	58.27145	1.612002245	Residential	9.42E-08	0	2.4E-03
Phase6	591314.99	4141564.85	1.20761	1.8151	0.59776	3.18046	0.041982156	13.28221	20.34939	20.44583	35.08144	1.291517383	Residential	7.64E-08	0	1.9E-03
Phase6	591314.99	4141464.85	1.3533	1.9889	0.64211	2.33442	0.037764309	14.09663	21.68717	20.40892	26.7603	1.188961929	Residential	6.88E-08	0	1.7E-03
Phase6	591314.99	4141364.85	1.50468	2.21293	0.71658	1.87894	0.036847087	15.06395	25.47559	20.33533	22.55905	1.193180375	Residential	6.71E-08	0	1.7E-03
Phase6	591314.99	4141264.85	1.69667	2.59916	0.81404	1.60556	0.038484079	16.23151	28.18914	20.21859	20.25624	1.21230894	Residential	7.01E-08	0	1.8E-03
Phase7	591314.99	4141164.85	1.89602	3.09844	0.90343	1.36353	0.04098592	17.62564	28.46636	19.84368	18.40578	1.198989312	Residential	7.46E-08	0	1.9E-03
Phase7	591314.99	4141064.85	2.146	3.95471	0.99183	1.171	0.04611841	19.61183	34.45392	18.97907	16.8642	1.283625952	Residential	8.40E-08	0	2.1E-03
Phase7	591314.99	4140964.85	2.45173	5.59429	1.08313	0.99422	0.056144995	22.1268	44.58863	18.4015	15.22083	1.443085602	Residential	1.02E-07	0	2.6E-03
Phase7	591314.99	4140864.85	2.88507	9.7966	1.14385	0.84673	0.081560839	25.39815	69.4697	18.39688	14.16049	1.865147716	Residential	1.49E-07	0	3.8E-03
offsite	591314.99	4140664.85	4.5256	11.49012	1.22952	0.63333	0.097330758	36.94566	93.14214	18.07936	12.51869	2.35176519	Residential	1.77E-07	0	4.5E-03
Phase2	591314.99	4140564.85	6.40934	5.70871	1.2567	0.54948	0.071566505	53.9204	50.12857	17.37126	11.56052	1.834310971	Residential	1.30E-07	0	3.3E-03
Phase1	591314.99	4140464.85	11.95194	3.88336	1.27398	0.47854	0.084392078	101.98174	37.60079	18.05018	10.34112	2.185082444	Residential	1.54E-07	0	3.9E-03
park	591314.99	4140264.85	7.01339	2.35123	1.28257	0.36835	0.053604612	90.76643	26.05622	18.50623	9.6683	1.862297858	Parks/Paths	9.76E-08	0	2.5E-03
offsite	591314.99	4139664.85	1.15118	0.85587	1.10775	0.19262	0.017553675	19.13894	13.67039	18.52348	8.4793	0.803636378	Residential	3.20E-08	0	8.1E-04
offsite	591314.99	4139564.85	0.9423	0.72519	1.04595	0.17611	0.015433036	17.8825	13.15981	18.50238	8.39272	0.779032161	Residential	2.81E-08	0	7.1E-04
offsite	591314.99	4139464.85	0.77727	0.6101	0.97345	0.16178	0.013545656	16.61889	12.72041	18.51087	8.35787	0.756674838	Residential	2.47E-08	0	6.3E-04
offsite	591314.99	4139364.85	0.64672	0.51114	0.89203	0.14918	0.011861297	15.66246	12.34347	18.50124	8.34464	0.739055173	Residential	2.16E-08	0	5.5E-04
offsite	591314.99	4139264.85	0.54312	0.42586	0.80528	0.13817	0.010352842	14.87982	12.02088	19.16541	8.34266	0.732648365	Residential	1.89E-08	0	4.8E-04
park	591338.72	4140348.36	15.23493	3.13636	1.24076	0.41353	0.093507275	178.59156	32.20878	18.01993	9.91372	2.989851654	Parks/Paths	1.70E-07	0	4.3E-03
school	591414.99	4142564.85	0.43534	0.5034	0.26428	1.47438	0.016902293	9.25925	10.87941	21.54791	26.69988	0.970904306	School	3.08E-08	0	7.8E-04
school	591414.99	4142464.85	0.4703	0.55487	0.27885	1.79579	0.019749052	9.39863	11.08811	21.29988	30.62833	1.035801721	School	3.60E-08	0	9.1E-04
offsite	591414.99	4141764.85	0.95457	1.20143	0.46106	9.87243	0.084813647	12.55534	13.42	19.1668	111.78924	2.383974617	Residential	1.54E-07	0	3.9E-03
path	591414.99	4141664.85	1.07909	1.3475	0.50303	4.52183	0.047861287	13.2328	14.93844	19.13723	52.80165	1.471704841	Parks/Paths	8.71E-08	0	2.2E-03
path	591414.99	4141564.85	1.22316	1.50744	0.55182	2.99672	0.038686696	14.02629	16.03722	19.10804	31.93649	1.164333919	Parks/Paths	7.04E-08	0	1.8E-03
Phase6	591414.99	4141464.85	1.40818	1.65085	0.60045	2.29591	0.035533187	14.95597	18.7263	19.00331	25.25729	1.110361764	Residential	6.47E-08	0	1.6E-03
Phase6	591414.99	4141364.85	1.5985	1.76918	0.62632	1.82254	0.033767926	16.02498	17.96279	18.73942	21.29515	1.043999008	Residential	6.15E-08	0	1.6E-03
Phase6	591414.99	4141264.85	1.80232	1.98047	0.69434	1.5317	0.034152322	17.43349	22.27048	18.17783	19.21126	1.089772974	Residential	6.22E-08	0	1.6E-03
Phase8	591414.99	4141164.85	2.00741	2.22262	0.76248	1.29964	0.035144815	19.16455	23.63063	17.29927	17.55935	1.09495717	Residential	6.40E-08	0	1.6E-03
Phase7	591414.99	4141064.85	2.28787	2.62617	0.83696	1.12853	0.037868364	21.32154	24.46958	17.0848	16.2153	1.109674496	Residential	6.90E-08	0	1.8E-03
Phase7	591414.99	4140964.85	2.6704	3.32124	0.91155	0.98353	0.042902732	24.13423	28.9075	17.08878	14.90545	1.193226019	Residential	7.81E-08	0	2.0E-03
park	591414.99	4140364.85	10.16199	5.24119	1.11718	0.43338	0.083340431	129.39074	46.6634	16.66524	9.93467	2.629415431	Parks/Paths	1.52E-07	0	3.9E-03
park	591414.99	4140264.85	5.01111	3.63885	1.1209	0.38354	0.051643681	70.40972	35.89486	17.05829	9.61651	1.763642567	Parks/Paths	9.40E-08	0	2.4E-03
offsite	591414.99	4139764.85	1.35556	1.27722	1.03434	0.224	0.020674582	23.36207	18.50619	17.23881	8.45996	0.915276335	Residential	3.76E-08	0	9.6E-04
offsite	591414.99	4139664.85	1.12566	1.07344	0.99556	0.20406	0.018147285	20.05199	16.87026	17.24369	8.40248	0.84923308	Residential	3.30E-08	0	8.4E-04
offsite	591414.99	4139564.85	0.93975	0.89937	0.94841	0.18675	0.015951868	17.51915	15.43207	17.23014	8.3575	0.79547136	Residential	2.90E-08	0	7.4E-04
offsite	591414.99	4139464.85	0.78827	0.7492	0.89294	0.17161	0.014010716	16.36762	14.12664	17.23222	8.32075	0.760373863	Residential	2.55E-08	0	6.5E-04
offsite	591414.99	4139364.85	0.66498	0.6197	0.82988	0.15833	0.012280298	15.21261	13.14542	17.22206	8.28986	0.730403302	Residential	2.24E-08	0	5.7E-04
offsite	591414.99	4139264.85	0.56472	0.50931	0.76134	0.14667	0.010739698	14.40256	12.75642	17.21285	8.26355	0.71410246	Residential	1.96E-08	0	5.0E-04
school	591514.99	4142364.85	0.48972	0.54975	0.27975	2.17454	0.022538034	10.05628	10.76451	19.20258	37.46987	1.12256032	School	4.10E-08	0	1.0E-03
offsite	591514.99	4141764.85	0.94674	1.01281	0.41987	8.89615	0.076419624	13.1436	12.40661	18.08965	100.84872	2.186433389	Residential	1.39E-07	0	3.5E-03
offsite	591514.99	4141664.85	1.0852	1.12384	0.4547	4.33521	0.044976246	13.87507	12.90576	18.02797	46.76314	1.336469585	Residential	8.19E-08	0	2.1E-03
path	591514.99	4141564.85	1.24921	1.24503	0.49445	2.89147	0.036198647	14.7284	14.23684	17.87857	33.49285	1.153677766	Parks/Paths	6.59E-08	0	1.7E-03
path	591514.99	4141464.85	1.43831	1.37437	0.53842	2.18089	0.032884519	15.81862	15.81251	17.49414	25.2099	1.054613513	Parks/Paths	5.99E-08	0	1.5E-03
Phase6	591514.99	4141364.85	1.65362	1.51507	0.58757	1.75846	0.03185491	17.11532	16.51461	16.72397	20.43508	0.995415837	Residential	5.80E-08	0	1.5E-03
Phase8	591514.99	4141264.85	1.92628	1.60479	0.60809	1.49117	0.03173284	18.6905	16.1404	16.13712	18.32215	0.966973585	Residential	5.78E-08	0	1.5E-03
Phase8	591514.99	4141164.85	2.17632	1.75849	0.65896	1.26282	0.032336085	20.57274	19.66095	16.03111	16.83581	1.020683774	Residential	5.89E-08	0	1.5E-03
Phase8	591514.99	4141064.85	2.48738	1.99927	0.72001	1.09994	0.034233845	23.00342	20.64995	16.02068	15.63305	1.04574901	Residential	6.23E-08	0	1.6E-03
Phase8	591514.99	4140964.85	2.93086	2.36148	0.78188	0.96874	0.037634284	26.29713	21.21262	15.95522	14.5292	1.074993928	Residential	6.85E-08	0	1.7E-03
offsite	591514.99	4140464.85	23.00159	12.36009	0.9702	0.50163	0.179217027	243.55047	88.84668	15.06368	10.76601	4.642156613	Residential	3.26E-07	0	8.3E-03
offsite	591514.99	4139864.85	1.53517	2.07866	0.95386	0.25939	0.025873658	26.99242	25.34809	16.21299	8.4632	1.055750301	Residential	4.71E-08	0	1.2E-03
offsite	591514.99	4139764.85	1.2927	1.69431	0.93071	0.23578	0.02231151	22.02969	22.68506	16.20393	8.40091	0.953531051	Residential	4.06E-08	0	1.0E-03
offsite	591514.99	4139664.85	1.09422	1.39509	0.90128	0.21518	0.019415975	19.97767	20.62091	16.21329	8.3524	0.895548876	Residential	3.54E-08	0	9.0E-04
offsite	591514.99	4139564.85	0.92906	1.15069	0.86515	0.19715	0.016960624	16.95905	18.92463	16.20057	8.31407	0.832047703	Residential	3.09E-08	0	7.8E-04
offsite	591514.99	4139464.85	0.79124	0.9454	0.82219	0.18135	0.014825859	16.0937	17.47433	16.2069	8.28657	0.79817392	Residential	2.70E-08	0	6.9E-04
offsite	591514.99	4139364.85	0.67631	0.77039	0.77279	0.16746	0.012941481	15.25803	16.19399	16.19192	8.26766	0.767266329	Residential	2.36E-08	0	6.0E-04
offsite	591514.99	4139264.85	0.58071	0.62326	0.71833	0.15515	0.011283798	14.44075	15.02801	16.19595	8.25112	0.738683262	Residential	2.05E-08	0	5.2E-04
offsite	591614.99	4141764.85	0.93087	0.87059	0.38602	8.23527	0.070574239	13.75825	11.62333	17.15863	91.09072	2.013599053	Residential	1.29E-07	0	3.3E-03
offsite	591614.99	4141664.85	1.08096	0.95736	0.41452	4.16423	0.042536052	14.5986	11.98119	16.88861	47.37929	1.326203885	Residential	7.75E-08	0	2.0E-03
offsite	591614.99	4141564.85	1.26552	1.0519	0.44698	2.80567	0.034265347	15.58833	12.72615	16.36426	33.48658	1.121090998	Residential	6.24E-08	0	1.6E-03
offsite	591614.99	4141464.85	1.48896	1.15358	0.48394	2.12615	0.031122928	16.78498	13.12667	15.52759	26.5123	1.019850723	Residential	5.67E-08	0	1.4E-03
path	591614.99	4141364.85	1.74873	1.26256	0.52339	1.71179	0.03010403	18.14483	14.79707	15.20694	21.16954	0.97331268	Parks/Paths	5.48E-08	0	1.4E-03
path	591614.99	4141264.85	2.04575	1.3824	0.5668	1.43326	0.030309257	19.82947	14.3478	15.21677	17.81641	0.932281056	Parks/Paths	5.52E-08	0	1.4E-03
Phase8	591614.99	4141164.85	2.41135	1.47015	0.58384	1.24365	0.031114817	21.98653	15.24073	15.17111	16.20898	0.945686135	Residential	5.67E-08	0	1.4E-03
Phase8	591614.99	4141064.85	2.77018	1.61525	0.62915	1.07891	0.03256219	24.70469	17.66254	15.1018	15.10704	0.998104288	Residential	5.93E-08	0	1.5E-03
Phase8	591614.99	4140964.85	3.22185	1.88896	0.70156	0.94126	0.035499813	29.86837	18.57728	14.84798	14.1547	1.055114471	Residential	6.46E-08	0	1.6E-03
offsite	591614.99	4140464.85	8.99222	4.91637	0.85639	0.51102	0.075525424	113.95739	40.10461	14.20467	10.70109	2.325338306	Residential	1.38E-07	0	3.5E-03
offsite	591614.99	4140364.85	4.74091	7.39036	0.87045	0.45593	0.071256997	62.21301	56.25728	14.21264	10.11663	1.969133915	Residential	1.30E-07	0	3.3E-03
offsite	591614.99	4140264.85	3.27877	16.76869	0.87883	0.408	0.118860173	49.20627	110.22987	14.2154	9.27771	2.672370514	Residential	2.16E-07	0	5.5E-03
offsite	591614.99	4139864.85	1.43873	3.16151	0.86041	0.27092	0.03126827	24.99283	33.21954	15.34169	8.40122	1.147570423	Residential	5.69E-08	0	1.4E-03
offsite	591614.99	4139764.85	1.23161	2.42195	0.84349	0.24685	0.025837902	22.33837	28.28947	15.37353	8.34262	1.036473638	Residential	4.70E-08	0	1.2E-03
offsite	591614.99	4139664.85	1.05911	1.91649	0.8211	0.22577	0.021898934	19.33035	24.97217	15.37912	8.30134	0.947163548	Residential	3.99E-08	0	1.0E-03
offsite	591614.99	4139564.85	0.91279	1.53877	0.79317	0.20724	0.018797178	17.0348	22.56741	15.38122	8.26991	0.88102459	Residential	3.42E-08	0	8.7E-04
offsite	591614.99	4139464.85	0.78804	1.23903	0.75968	0.19088	0.016222555	15.68428	20.71134	15.37648	8.24608	0.834849025	Residential	2.95E-08	0	7.5E-04
offsite	591614.99	4139364.85	0.68183	0.99236	0.72077	0.17643	0.014017088	14.43265	19.19674	15.3763	8.23045	0.795519291	Residential	2.55E-08	0	6.5E-04
offsite	591614.99	4139264.85	0.59171	0.78804	0.67717	0.16358	0.012110242	13.34494	17.9077	15.37066	8.22022	0.761766052	Residential	2.21E-08	0	5.6E-04
offsite	591714.99	4141764.85	0.90345	0.75988	0.35743	7.65166	0.065448124	14.41927	10.86984	16.07676	81.88394	1.848795288	Residential	1.19E-07	0	3.0E-03

Roadway HRA
Project Contribution

			AERMOD Output											r Million (Residential 30-yr; school and par		
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED					Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	591714.99	4141664.85	1.06338	0.82989	0.38136	4.01421		0.040454854	15.27307	11.16071	15.36666	47.25985	1.300653364	Residential	7.37E-08	0	1.9E-03
offsite	591714.99	4141564.85	1.26791	0.9057	0.40833	2.735		0.032702488	16.27346	11.50889	14.76294	33.0891	1.083867987	Residential	5.95E-08	0	1.5E-03
offsite	591714.99	4141464.85	1.52608	0.98666	0.43818	2.07743		0.029707308	17.4354	11.91514	14.57141	26.8659	1.002109762	Residential	5.41E-08	0	1.4E-03
offsite	591714.99	4141364.85	1.84668	1.07392	0.47158	1.67756		0.028894104	19.26665	12.95785	14.50172	22.18549	0.964620502	Residential	5.26E-08	0	1.3E-03
path	591714.99	4141264.85	2.22829	1.16753	0.50742	1.40489		0.029310102	21.54954	13.40926	14.50109	18.42673	0.938493646	Parks/Paths	5.34E-08	0	1.4E-03
path	591714.99	4141164.85	2.66681	1.27196	0.54513	1.20456		0.030564852	23.6326	13.64231	14.40325	15.90021	0.925060936	Parks/Paths	5.57E-08	0	1.4E-03
Phase8	591714.99	4141064.85	3.19908	1.38521	0.58128	1.06006		0.032666424	28.62522	14.43697	14.1667	14.63881	0.973390707	Residential	5.95E-08	0	1.5E-03
offsite	591714.99	4140564.85	20.60653	2.56829	0.74286	0.57836		0.111640115	213.19756	22.72021	13.27939	10.97691	3.202950252	Residential	2.03E-07	0	5.2E-03
offsite	591714.99	4140464.85	6.12762	3.08179	0.76224	0.51772		0.052150133	79.69852	27.18449	13.44866	10.56295	1.704000522	Residential	9.50E-08	0	2.4E-03
school	591714.99	4140364.85	3.83186	3.85794	0.777	0.46448		0.046482481	50.3999	33.2871	13.48311	10.13602	1.452121867	School	8.46E-08	0	2.1E-03
offsite	591714.99	4140264.85	2.82611	5.19026	0.78669	0.41774		0.049581163	42.70107	42.6441	13.50144	9.57644	1.503754348	Residential	9.03E-08	0	2.3E-03
offsite	591714.99	4140164.85	2.24447	8.13208	0.7917	0.37675		0.06381211	37.47483	61.30628	13.49154	8.7595	1.729796752	Residential	1.16E-07	0	3.0E-03
offsite	591714.99	4140064.85	1.85647	22.45531	0.79225	0.34083		0.144631484	27.52084	142.62507	13.92389	8.55006	2.924515479	Residential	2.63E-07	0	6.7E-03
offsite	591714.99	4139964.85	1.57357	16.58277	0.78854	0.30934		0.109246008	24.35482	121.22777	14.36463	8.44759	2.546435166	Residential	1.99E-07	0	5.1E-03
offsite	591714.99	4139864.85	1.35366	6.43512	0.78078	0.28167		0.049439638	22.98238	54.64903	14.57379	8.36705	1.459307591	Residential	9.00E-08	0	2.3E-03
offsite	591714.99	4139764.85	1.17435	4.04946	0.76862	0.25735		0.034644871	21.90096	39.57736	14.66602	8.30906	1.204072334	Residential	6.31E-08	0	1.6E-03
offsite	591714.99	4139664.85	1.02304	2.9109	0.75187	0.23589		0.027168883	18.37446	32.15594	14.70316	8.26471	1.04291303	Residential	4.95E-08	0	1.3E-03
offsite	591714.99	4139564.85	0.89289	2.21081	0.73037	0.21692		0.022307588	16.90401	27.66627	14.71323	8.23336	0.952974102	Residential	4.06E-08	0	1.0E-03
offsite	591714.99	4139464.85	0.78028	1.71625	0.7041	0.20016		0.018697712	13.85329	24.63253	14.71721	8.21648	0.868101012	Residential	3.40E-08	0	8.6E-04
offsite	591714.99	4139364.85	0.68262	1.33965	0.6733	0.18521		0.015820758	13.2449	22.4331	14.71707	8.19827	0.82524794	Residential	2.88E-08	0	7.3E-04
offsite	591714.99	4139264.85	0.59834	1.03883	0.63829	0.17188		0.013426775	12.8875	20.74173	14.71415	8.18928	0.79363603	Residential	2.44E-08	0	6.2E-04
offsite	591814.99	4141764.85	0.86186	0.67106	0.33248	7.08859		0.060556353	15.0696	9.95788	14.44611	77.77475	1.756307725	Residential	1.10E-07	0	2.8E-03
offsite	591814.99	4141664.85	1.02682	0.72892	0.35305	3.86131		0.038452036	16.1052	10.22909	14.30781	46.55883	1.27143209	Residential	7.00E-08	0	1.8E-03
offsite	591814.99	4141564.85	1.24671	0.7911	0.37589	2.66585		0.031267116	17.28019	10.53492	14.07938	33.82335	1.083511776	Residential	5.69E-08	0	1.4E-03
offsite	591814.99	4141464.85	1.54168	0.85783	0.40162	2.03928		0.028547737	18.67455	11.00301	13.95194	26.86756	0.994520698	Residential	5.20E-08	0	1.3E-03
offsite	591814.99	4141364.85	1.93109	0.92809	0.42908	1.64892		0.027966462	20.32717	11.29255	13.93523	22.73197	0.952166039	Residential	5.09E-08	0	1.3E-03
offsite	591814.99	4141264.85	2.43307	1.00347	0.45869	1.38136		0.028795167	23.35135	12.30042	13.83844	19.24624	0.946910357	Residential	5.24E-08	0	1.3E-03
path	591814.99	4141164.85	3.0559	1.08506	0.49041	1.18586		0.030709703	27.91358	12.27824	13.60655	16.41956	0.95203336	Parks/Paths	5.59E-08	0	1.4E-03
path	591814.99	4141064.85	3.8012	1.17767	0.52298	1.03394		0.033532373	33.8846	12.87367	13.12828	14.42144	0.993927077	Parks/Paths	6.11E-08	0	1.6E-03
offsite	591814.99	4140564.85	9.4551	1.95592	0.66472	0.58146		0.059831094	109.86191	18.23908	12.41786	10.77543	1.904803546	Residential	1.09E-07	0	2.8E-03
school	591814.99	4140464.85	4.73376	2.24204	0.68332	0.5231		0.04090941	63.30257	20.74455	12.74636	10.40808	1.396980267	School	7.45E-08	0	1.9E-03
school	591814.99	4140364.85	3.24674	2.62557	0.69794	0.47159		0.036455719	46.03566	24.23499	12.86319	10.06093	1.246462594	School	6.64E-08	0	1.7E-03
offsite	591814.99	4140264.85	2.49585	3.17043	0.70848	0.42609		0.036112896	37.76682	28.76	12.887	9.66571	1.216285111	Residential	6.58E-08	0	1.7E-03
offsite	591814.99	4140164.85	2.03195	4.01292	0.71495	0.38591		0.038736117	33.69177	35.05451	12.89641	9.12111	1.26124378	Residential	7.05E-08	0	1.8E-03
offsite	591814.99	4140064.85	1.7098	5.51217	0.71776	0.35051		0.045775153	24.47175	45.22593	12.89246	8.54634	1.307633784	Residential	8.34E-08	0	2.1E-03
offsite	591814.99	4139964.85	1.46868	9.07621	0.71683	0.31927		0.065098209	20.88902	67.3423	13.33172	8.44875	1.625516199	Residential	1.19E-07	0	3.0E-03
offsite	591814.99	4139864.85	1.27798	34.79027	0.71231	0.29161		0.212595668	21.03101	211.70809	13.78482	8.36046	3.956251559	Residential	3.87E-07	0	9.8E-03
offsite	591814.99	4139764.85	1.12084	12.69136	0.70395	0.26713		0.084040158	21.02052	94.23151	14.01478	8.29391	2.065863327	Residential	1.53E-07	0	3.9E-03
offsite	591814.99	4139664.85	0.98716	5.72185	0.69151	0.24547		0.042979543	17.47245	50.77516	14.11964	8.25181	1.324957244	Residential	7.83E-08	0	2.0E-03
offsite	591814.99	4139564.85	0.871	3.67466	0.67503	0.22621		0.030422948	16.55153	37.87543	14.1651	8.21995	1.1064391	Residential	5.54E-08	0	1.4E-03
offsite	591814.99	4139464.85	0.76921	2.61971	0.65448	0.20906		0.023651955	14.55211	31.21282	14.18187	8.20192	0.975592677	Residential	4.31E-08	0	1.1E-03
offsite	591814.99	4139364.85	0.67963	1.94782	0.63011	0.19369		0.019137323	12.56613	27.11176	14.18916	8.17522	0.885904904	Residential	3.48E-08	0	8.9E-04
offsite	591814.99	4139264.85	0.6013	1.45642	0.60184	0.18		0.015703585	12.31763	24.32049	14.18852	8.16575	0.837876451	Residential	2.86E-08	0	7.3E-04
offsite	591914.99	4141764.85	0.80764	0.5994	0.31123	6.61805		0.056397474	16.74809	9.14196	13.96192	74.28355	1.701136345	Residential	1.03E-07	0	2.6E-03
offsite	591914.99	4141664.85	0.96928	0.64742	0.32868	3.70791		0.036490401	18.12913	9.31226	13.66934	46.19481	1.266891662	Residential	6.64E-08	0	1.7E-03
offsite	591914.99	4141564.85	1.19401	0.69907	0.34811	2.59335		0.029829233	19.78661	9.51725	13.475	34.17149	1.094819581	Residential	5.43E-08	0	1.4E-03
offsite	591914.99	4141464.85	1.51405	0.75458	0.37014	1.99727		0.027351414	21.79795	10.1237	13.47665	26.60314	1.007044512	Residential	4.98E-08	0	1.3E-03
offsite	591914.99	4141364.85	1.97263	0.8127	0.39335	1.62046		0.027070392	24.26546	10.061	13.38953	22.81937	0.973361421	Residential	4.93E-08	0	1.3E-03
offsite	591914.99	4141264.85	2.62933	0.87441	0.41826	1.3598		0.02850712	27.39548	11.06267	13.14479	19.77834	0.974584104	Residential	5.19E-08	0	1.3E-03
offsite	591914.99	4141164.85	3.55466	0.94075	0.44527	1.16866		0.031636312	32.75935	11.41371	12.72463	17.10612	0.995327263	Residential	5.76E-08	0	1.5E-03
offsite	591914.99	4141064.85	4.8395	1.01346	0.4731	1.02082		0.036661727	38.09111	11.31382	12.33912	14.88323	1.016042123	Residential	6.68E-08	0	1.7E-03
path	591914.99	4140964.85	6.70037	1.09475	0.501	0.90194		0.044417601	57.68975	11.89518	11.5919	13.27395	1.220577805	Parks/Paths	8.09E-08	0	2.1E-03
path	591914.99	4140864.85	10.21216	1.1869	0.52859	0.8037		0.059467335	101.5929	12.5899	11.59672	12.43141	1.733424327	Parks/Paths	1.08E-07	0	2.8E-03
offsite	591914.99	4140664.85	19.31667	1.41957	0.5778	0.64716		0.099029544	238.36002	14.80757	11.58543	10.99223	3.350566813	Residential	1.80E-07	0	4.6E-03
offsite	591914.99	4140564.85	6.27013	1.56954	0.59874	0.58357		0.043573469	77.00926	15.6518	11.57716	10.59066	1.464608438	Residential	7.93E-08	0	2.0E-03
offsite	591914.99	4140464.85	3.84567	1.75175	0.61629	0.52728		0.033916424	49.76731	17.05219	12.06002	10.25039	1.167919849	Residential	6.18E-08	0	1.6E-03
school	591914.99	4140364.85	2.81788	1.9806	0.63089	0.47754		0.030552406	39.56552	19.17819	12.29479	9.95406	1.080552938	School	5.56E-08	0	1.4E-03
park	591914.99	4140264.85	2.23739	2.27644	0.64187	0.43332		0.029513994	34.4267	21.99086	12.37556	9.65475	1.061742313	Parks/Paths	5.37E-08	0	1.4E-03
offsite	591914.99	4140164.85	1.85805	2.677	0.6494	0.39405		0.029959764	30.61911	25.52691	12.39583	9.28464	1.068337897	Residential	5.46E-08	0	1.4E-03
offsite	591914.99	4140064.85	1.58538	3.25463	0.65374	0.35921		0.031899969	22.48779	30.11707	12.4042	8.75316	1.038455713	Residential	5.81E-08	0	1.5E-03
offsite	591914.99	4139964.85	1.37683	4.17326	0.6549	0.32826		0.036095153	19.93064	36.73169	12.40022	8.45999	1.110242084	Residential	6.57E-08	0	1.7E-03
offsite	591914.99	4139864.85	1.20984	5.86384	0.65286	0.30075		0.044934597	19.21822	48.02438	12.8527	8.37433	1.287833995	Residential	8.18E-08	0	2.1E-03
offsite	591914.99	4139764.85	1.07101	10.27715	0.64742	0.27628		0.069625729	19.89416	75.08323	13.31819	8.31022	1.736131776	Residential	1.27E-07	0	3.2E-03
offsite	591914.99	4139664.85	0.95201	43.46165	0.63847	0.25446		0.260601842	17.91643	255.97374	13.56554	8.25993	4.628360878	Residential	4.75E-07	0	1.2E-02
offsite	591914.99	4139564.85	0.84788	10.14183	0.62598	0.23499		0.067467379	15.9139	79.69559	13.68404	8.22682	1.766789283	Residential	1.23E-07	0	3.1E-03
offsite	591914.99	4139464.85	0.7557	5.0528	0.61002	0.21756		0.03745822	14.7511	47.58704	13.73789	8.19805	1.236224157	Residential	6.82E-08	0	1.7E-03
offsite	591914.99	4139364.85	0.67377	3.25717	0.59064	0.20188		0.026511038	12.33426	36.40734	13.76202	8.17195	1.027691771	Residential	4.83E-08	0	1.2E-03
offsite	591914.99	4139264.85	0.6012	2.25767	0.5678	0.18786		0.02019532	11.73776	30.39788	13.772	8.1606	0.923849086	Residential	3.68E-08	0	9.3E-04
offsite	592014.99	4141764.85	0.74252	0.54016	0.29245	6.15151		0.052306408	17.66715	8.40789	13.34702	70.99747	1.640082066	Residential	9.52E-08	0	2.4E-03
offsite	592014.99	4141664.85	0.89254	0.58071	0.30759	3.55185		0.034531241	19.39815	8.54522	13.11876	45.85905	1.257418108	Residential	6.29E-08	0	1.6E-03
offsite	592014.99	4141564.85	1.10752	0.6241	0.32427	2.51556		0.028329116	21.52957	8.71506	13.08358	34.12328	1.096861368	Residential	5.16E-08	0	1.3E-03
offsite	592014.99	4141464.85	1.43013	0.67085	0.34323	1.95079		0.026020004	24.34338	9.24534	13.02704	26.95696	1.023009318	Residential	4.74E-08	0	1.2E-03
offsite	592014.99	4141364.85	1.93297	0.71954	0.36303	1.58922		0.025964945	28.10062	9.61653	12.79188	22.69035	1.001932292	Residential	4.73E-08	0	1.2E-03
offsite	592014.99	4141264.85	2.75092	0.77096	0.38446	1.33745		0.028078504	33.46518	9.81219	12.40134	19.97354	1.019824194	Residential	5.11E-08	0	1.3E-03
offsite	592014.99	4141164.85	4.11581	0.82563	0.40723	1.15133		0.03303858	42.19442	10.63539	12.05739	17.61069	1.09352615	Residential	6.02E-08	0	1.5E-03
offsite	592014.99	4141064.85	6.52847	0.88458	0.4311	1.00763		0.042831376	60.05677	10.54722	11.27995	15.46971	1.258032245	Residential	7.80E-08	0	2.0E-03
offsite	592014.99	4140964.85	12.76484	0.94918	0.45533	0.89234		0.069271196	105.04643	10.57628	11.21825	13.68109	1.756958566	Residential	1.26E-07	0	3.2E-03
offsite	592014.99	4140764.85	12.78343	1.10228	0.5023	0.71616		0.069231761	187.67993	11.88555	11.21868	11.59399	2.714124474	Residential	1.26E-07	0	3.2E-03

Roadway HRA
Project Contribution

		AERMOD Output											r Million (Residential 30-yr; school and par		
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED					Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592014.99	4140664.85	6.74011	1.19379	0.52261	0.64557	0.043434803	115.5969	13.18206	11.1787	10.85764	1.877030503	Residential	7.91E-08	0	2.0E-03
offsite	592014.99	4140564.85	4.4147	1.30222	0.54251	0.58472	0.033757039	62.01481	14.03085	11.17947	10.43912	1.255364842	Residential	6.15E-08	0	1.6E-03
offsite	592014.99	4140464.85	3.17466	1.4286	0.55932	0.53052	0.028870706	41.43951	14.87575	11.32149	10.11229	1.024054075	Residential	5.26E-08	0	1.3E-03
offsite	592014.99	4140364.85	2.46748	1.5799	0.57337	0.48236	0.026442719	35.89017	16.12615	11.7443	9.84083	0.979833599	Residential	4.81E-08	0	1.2E-03
offsite	592014.99	4140264.85	2.01827	1.76456	0.58427	0.43932	0.025333435	31.78638	17.91767	11.91127	9.58928	0.958523801	Residential	4.61E-08	0	1.2E-03
offsite	592014.99	4140164.85	1.70712	1.99763	0.5926	0.40103	0.025115881	28.09521	20.23379	11.96905	9.32471	0.9489797	Residential	4.57E-08	0	1.2E-03
offsite	592014.99	4140064.85	1.47516	2.30181	0.59825	0.36687	0.025663481	21.11356	23.08111	11.98935	8.9703	0.907495685	Residential	4.67E-08	0	1.2E-03
offsite	592014.99	4139964.85	1.29418	2.71985	0.60098	0.33633	0.0270971	19.04928	26.62308	11.99152	8.47171	0.932364881	Residential	4.93E-08	0	1.3E-03
offsite	592014.99	4139864.85	1.14725	3.33216	0.60088	0.30904	0.029806435	17.64218	31.35597	11.99222	8.38748	0.990739889	Residential	5.43E-08	0	1.4E-03
offsite	592014.99	4139764.85	1.02396	4.32805	0.59775	0.28465	0.034836733	18.65739	38.43855	12.4688	8.32746	1.121497644	Residential	6.34E-08	0	1.6E-03
offsite	592014.99	4139664.85	0.91759	6.24955	0.59159	0.26274	0.045287242	17.86209	51.15797	12.94051	8.26658	1.321723182	Residential	8.25E-08	0	2.1E-03
offsite	592014.99	4139564.85	0.82396	11.92527	0.58226	0.24319	0.077478217	15.13244	85.39204	13.20335	8.24061	1.843791752	Residential	1.41E-07	0	3.6E-03
offsite	592014.99	4139464.85	0.74046	42.05746	0.56991	0.22558	0.250985645	14.57557	255.96593	13.33765	8.21128	4.585514273	Residential	4.57E-07	0	1.2E-02
offsite	592014.99	4139364.85	0.66558	8.38922	0.55453	0.2097	0.055973488	12.96688	69.03078	13.4013	8.18779	1.556424571	Residential	1.02E-07	0	2.6E-03
offsite	592014.99	4139264.85	0.59849	4.3609	0.53614	0.19539	0.032208036	11.17848	44.90882	13.43044	8.17036	1.147028214	Residential	5.86E-08	0	1.5E-03
offsite	592114.99	4141764.85	0.67207	0.49073	0.27587	5.67744	0.048207337	19.62275	7.86694	12.84033	68.10612	1.601921996	Residential	8.78E-08	0	2.2E-03
offsite	592114.99	4141664.85	0.80282	0.52523	0.28908	3.37869	0.032472624	22.10821	7.95874	12.79973	45.22068	1.265704798	Residential	5.91E-08	0	1.5E-03
offsite	592114.99	4141564.85	0.99307	0.56224	0.30366	2.42406	0.026704245	25.43109	8.11537	12.70852	33.83301	1.123811502	Residential	4.86E-08	0	1.2E-03
offsite	592114.99	4141464.85	1.28751	0.60191	0.32005	1.8941	0.024469703	29.98913	8.40802	12.50862	27.39001	1.076448466	Residential	4.46E-08	0	1.1E-03
offsite	592114.99	4141364.85	1.77863	0.64316	0.33711	1.55163	0.024443516	36.40381	9.13341	12.14613	22.50066	1.080750477	Residential	4.45E-08	0	1.1E-03
offsite	592114.99	4141264.85	2.68524	0.68653	0.35551	1.31106	0.026954564	45.89349	8.82866	11.84796	19.95215	1.142787875	Residential	4.91E-08	0	1.2E-03
offsite	592114.99	4141164.85	4.57472	0.7323	0.37503	1.13209	0.034147356	61.25015	9.75166	11.16882	17.85016	1.29598985	Residential	6.22E-08	0	1.6E-03
offsite	592114.99	4141064.85	9.34722	0.78106	0.39559	0.99336	0.054024428	104.35295	10.06975	10.91758	15.94018	1.773207141	Residential	9.84E-08	0	2.5E-03
path	592114.99	4140864.85	9.80963	0.89104	0.43764	0.78986	0.05541551	135.37433	10.21692	10.91637	12.72468	2.088040929	Parks/Paths	1.01E-07	0	2.6E-03
path	592114.99	4140764.85	5.87519	0.95409	0.45795	0.71185	0.038449878	123.2598	10.66553	10.90629	11.62512	1.935409698	Parks/Paths	7.00E-08	0	1.8E-03
offsite	592114.99	4140664.85	4.26929	1.02513	0.47629	0.6436	0.03158136	78.10092	11.38561	10.84667	10.86186	1.404248876	Residential	5.75E-08	0	1.5E-03
offsite	592114.99	4140564.85	3.30773	1.10665	0.49471	0.58501	0.027608331	51.50829	12.59088	10.86079	10.36182	1.103830455	Residential	5.03E-08	0	1.3E-03
offsite	592114.99	4140464.85	2.63399	1.19888	0.51036	0.53265	0.024961407	37.69116	13.41443	10.86863	10.00717	0.949403111	Residential	4.55E-08	0	1.2E-03
offsite	592114.99	4140364.85	2.16039	1.30576	0.52369	0.48598	0.023285773	32.87678	14.23113	11.16247	9.7371	0.905288999	Residential	4.24E-08	0	1.1E-03
offsite	592114.99	4140264.85	1.82132	1.43189	0.53498	0.4444	0.022323729	29.60928	15.34276	11.47605	9.51743	0.885118009	Residential	4.06E-08	0	1.0E-03
offsite	592114.99	4140164.85	1.5695	1.58312	0.5435	0.40699	0.021895421	26.0265	16.88532	11.59655	9.30511	0.865979485	Residential	3.99E-08	0	1.0E-03
offsite	592114.99	4140064.85	1.37403	1.76882	0.54984	0.3735	0.021923926	19.93559	18.82503	11.63955	9.05914	0.822338316	Residential	3.99E-08	0	1.0E-03
offsite	592114.99	4139964.85	1.21757	2.0046	0.55373	0.34343	0.022419877	18.25114	21.17327	11.65244	8.7059	0.834894723	Residential	4.08E-08	0	1.0E-03
offsite	592114.99	4139864.85	1.08843	2.31499	0.55511	0.31644	0.023472021	16.40851	23.99978	11.65376	8.42043	0.854243392	Residential	4.27E-08	0	1.1E-03
offsite	592114.99	4139764.85	0.97892	2.74604	0.55383	0.2922	0.025310146	17.40441	27.59609	11.65367	8.33641	0.922500404	Residential	4.61E-08	0	1.2E-03
offsite	592114.99	4139664.85	0.88376	3.3905	0.54981	0.2704	0.02844469	17.45342	32.5569	12.15721	8.28994	1.008292809	Residential	5.18E-08	0	1.3E-03
offsite	592114.99	4139564.85	0.79945	4.4693	0.54307	0.25076	0.034134961	14.7899	40.2451	12.63917	8.25437	1.106100148	Residential	6.22E-08	0	1.6E-03
offsite	592114.99	4139464.85	0.72375	6.67613	0.53365	0.23303	0.046376968	14.15473	54.82002	12.91365	8.22293	1.336182292	Residential	8.44E-08	0	2.1E-03
offsite	592114.99	4139364.85	0.6554	14.456	0.52148	0.21704	0.090840885	13.20658	100.6322	13.06262	8.20738	2.064413357	Residential	1.65E-07	0	4.2E-03
offsite	592114.99	4139264.85	0.59354	30.51097	0.50669	0.20252	0.183130632	11.24361	205.25518	13.1348	8.19126	3.726956867	Residential	3.33E-07	0	8.5E-03
offsite	592214.99	4141664.85	0.71066	0.47867	0.27277	3.14223	0.030011257	25.41219	7.64743	12.48078	44.44292	1.283160721	Residential	5.46E-08	0	1.4E-03
offsite	592214.99	4141564.85	0.86607	0.51033	0.28546	2.29838	0.024850287	28.85606	7.77304	12.25323	33.46579	1.147116834	Residential	4.52E-08	0	1.1E-03
offsite	592214.99	4141464.85	1.1066	0.54444	0.29985	1.81839	0.022701154	33.12009	7.95508	11.94997	27.53439	1.101467683	Residential	4.13E-08	0	1.0E-03
offsite	592214.99	4141364.85	1.51653	0.57971	0.31459	1.50249	0.022470404	39.51796	8.6059	11.68024	22.70738	1.106487146	Residential	4.09E-08	0	1.0E-03
offsite	592214.99	4141264.85	2.33382	0.61671	0.33053	1.27748	0.024659594	54.58682	8.53116	11.09144	19.83567	1.229010106	Residential	4.49E-08	0	1.1E-03
offsite	592214.99	4141164.85	4.41676	0.65545	0.34727	1.10815	0.032695636	90.16065	8.83575	10.74395	17.89302	1.615994629	Residential	5.95E-08	0	1.5E-03
offsite	592214.99	4141064.85	13.74871	0.69647	0.36516	0.97601	0.072124982	189.20208	9.49282	10.70203	16.20611	2.761056939	Residential	1.31E-07	0	3.3E-03
path	592214.99	4140764.85	4.03416	0.83839	0.42	0.70571	0.029622201	94.95206	9.86085	10.64288	11.95978	1.592517139	Parks/Paths	5.39E-08	0	1.4E-03
offsite	592214.99	4140664.85	3.18154	0.89405	0.43663	0.64033	0.025908156	62.60934	10.26024	10.5444	11.032	1.203453511	Residential	4.72E-08	0	1.2E-03
offsite	592214.99	4140564.85	2.6323	0.95723	0.45339	0.58385	0.023604248	43.23258	11.00794	10.58643	10.40009	0.978550339	Residential	4.30E-08	0	1.1E-03
offsite	592214.99	4140464.85	2.21776	1.02742	0.46807	0.53346	0.021950935	34.70615	12.10531	10.61062	9.96802	0.889562932	Residential	4.00E-08	0	1.0E-03
offsite	592214.99	4140364.85	1.89546	1.1068	0.4809	0.48846	0.020774875	30.37938	12.90483	10.61086	9.6691	0.846893576	Residential	3.78E-08	0	9.6E-04
offsite	592214.99	4140264.85	1.64244	1.19756	0.49179	0.4481	0.019984279	27.74962	13.68679	11.01958	9.44778	0.83001533	Residential	3.64E-08	0	9.2E-04
offsite	592214.99	4140164.85	1.44148	1.30273	0.50058	0.41175	0.019517311	24.29107	14.69477	11.24756	9.26318	0.805463627	Residential	3.55E-08	0	9.0E-04
offsite	592214.99	4140064.85	1.27898	1.42684	0.50737	0.379	0.019339393	18.92737	16.03126	11.33557	9.07684	0.76213636	Residential	3.52E-08	0	8.9E-04
offsite	592214.99	4139964.85	1.14491	1.57617	0.51208	0.3495	0.019440788	17.5428	17.68684	11.3669	8.83738	0.769099374	Residential	3.54E-08	0	9.0E-04
offsite	592214.99	4139864.85	1.03205	1.76046	0.5146	0.32292	0.019843775	15.41484	19.65424	11.37732	8.52388	0.770925324	Residential	3.61E-08	0	9.2E-04
offsite	592214.99	4139764.85	0.93513	1.9948	0.51474	0.29891	0.020609312	16.22151	21.96814	11.37884	8.42336	0.81606415	Residential	3.75E-08	0	9.5E-04
offsite	592214.99	4139664.85	0.85015	2.30622	0.51246	0.27727	0.021874707	16.81759	24.81481	11.39369	8.34301	0.867796071	Residential	3.98E-08	0	1.0E-03
offsite	592214.99	4139564.85	0.77432	2.74379	0.50776	0.25768	0.023909142	15.27509	28.50817	11.90794	8.28595	0.914463413	Residential	4.35E-08	0	1.1E-03
offsite	592214.99	4139464.85	0.70582	3.40857	0.50064	0.23997	0.027287369	13.59873	33.77598	12.39814	8.26283	0.985170476	Residential	4.97E-08	0	1.3E-03
offsite	592214.99	4139364.85	0.64346	4.56467	0.49118	0.22385	0.033528311	13.15515	42.21906	12.68345	8.23315	1.118905272	Residential	6.11E-08	0	1.6E-03
offsite	592214.99	4139264.85	0.58657	7.09583	0.47934	0.20921	0.047733119	11.82363	59.18081	12.84374	8.20791	1.377981087	Residential	8.69E-08	0	2.2E-03
offsite	592314.99	4141564.85	0.74705	0.467	0.26999	2.10613	0.022615762	30.63913	7.48284	11.79771	33.42648	1.157244999	Residential	4.12E-08	0	1.0E-03
offsite	592314.99	4141464.85	0.9263	0.49603	0.28208	1.70902	0.020758708	37.57345	7.62155	11.56065	27.50479	1.143179915	Residential	3.78E-08	0	9.6E-04
offsite	592314.99	4141364.85	1.21957	0.52646	0.29493	1.43415	0.020284448	48.52895	8.06096	11.03384	23.13796	1.202535787	Residential	3.69E-08	0	9.4E-04
offsite	592314.99	4141264.85	1.78375	0.55826	0.3087	1.23186	0.02150897	77.57048	8.29994	10.61718	19.68382	1.486793859	Residential	3.92E-08	0	9.9E-04
offsite	592314.99	4141164.85	3.27408	0.59152	0.32344	1.07657	0.027060327	111.88024	8.14099	10.5868	17.84179	1.856914087	Residential	4.93E-08	0	1.3E-03
offsite	592314.99	4141064.85	12.49432	0.62624	0.33863	0.95311	0.066021189	227.41751	8.83369	10.47074	16.296	3.197451342	Residential	1.20E-07	0	3.1E-03
path	592314.99	4140764.85	3.18707	0.74366	0.38741	0.69767	0.025197358	74.45812	9.15789	10.42215	12.38083	1.344834404	Parks/Paths	4.59E-08	0	1.2E-03
path	592314.99	4140664.85	2.57593	0.78906	0.40307	0.63575	0.022479677	53.03781	9.48521	10.27803	11.36145	1.08073951	Parks/Paths	4.09E-08	0	1.0E-03
offsite	592314.99	4140564.85	2.18949	0.83985	0.41768	0.58103	0.020803267	36.91677	9.83981	10.34674	10.57344	0.885525233	Residential	3.79E-08	0	9.6E-04
offsite	592314.99	4140464.85	1.90151	0.89476	0.43121	0.53263	0.019612581	32.22681	10.69349	10.3933	10.02628	0.836051143	Residential	3.57E-08	0	9.1E-04
offsite	592314.99	4140364.85	1.67086	0.95567	0.44328	0.48929	0.018730752	28.24687	11.71302	10.39774	9.65677	0.799914753	Residential	3.41E-08	0	8.7E-04
offsite	592314.99	4140264.85	1.48121	1.02394	0.45397	0.4504	0.018091623	26.16845	12.48569	10.50774	9.4064	0.785291144	Residential	3.29E-08	0	8.4E-04
offsite	592314.99	4140164.85	1.32242	1.10084	0.46281	0.4152	0.017650874	22.82215	13.2325	10.88557	9.22172	0.759654466	Residential	3.21E-08	0	8.2E-04
offsite	592314.99	4140064.85	1.18871	1.18883	0.46991	0.38333	0.017395943	18.09669	14.16417	11.05427	9.06364	0.718720228	Residential	3.17E-08	0	8.0E-04
offsite	592314.99	4139964.85	1.07501	1.29072	0.47523	0.35452	0.017319135	16.91915	15.32588	11.12173	8.89097	0.721662921	Residential	3.15E-08	0	8.0E-04

Roadway HRA
Project Contribution

			AERMOD Output											r Million (Residential 30-yr; school and par		
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592314.99	4139864.85	0.97731	1.41071	0.47856	0.3284	0.017423645	14.77767	16.75231	11.14343	8.65532	0.71600007	Residential	3.17E-08	0	8.1E-04
offsite	592314.99	4139764.85	0.89207	1.55488	0.4798	0.30475	0.017727254	15.16294	18.42213	11.15198	8.52476	0.745425713	Residential	3.23E-08	0	8.2E-04
offsite	592314.99	4139664.85	0.8165	1.73264	0.4789	0.28332	0.018270261	16.04539	20.35886	11.15324	8.44133	0.78564972	Residential	3.33E-08	0	8.4E-04
offsite	592314.99	4139564.85	0.74853	1.95896	0.47586	0.26387	0.019128531	15.40267	22.67083	11.33266	8.36568	0.816294305	Residential	3.48E-08	0	8.8E-04
offsite	592314.99	4139464.85	0.68666	2.25988	0.47069	0.24619	0.020444594	12.98732	25.55943	11.7069	8.30607	0.838032545	Residential	3.72E-08	0	9.5E-04
offsite	592314.99	4139364.85	0.62992	2.68442	0.4634	0.23007	0.022496001	12.88874	29.41528	12.19683	8.27161	0.904326174	Residential	4.10E-08	0	1.0E-03
offsite	592314.99	4139264.85	0.57776	3.33821	0.45396	0.21538	0.02588947	12.10048	35.05028	12.49435	8.24805	0.989037774	Residential	4.71E-08	0	1.2E-03
offsite	592414.99	4141464.85	0.7775	0.45474	0.26616	1.55815	0.018703907	47.37385	7.29302	10.99599	27.33837	1.243403165	Residential	3.41E-08	0	8.6E-04
offsite	592414.99	4141364.85	0.97382	0.48128	0.2776	1.34125	0.01820103	63.08562	7.52548	10.56436	23.35963	1.362588031	Residential	3.31E-08	0	8.4E-04
offsite	592414.99	4141264.85	1.30394	0.50868	0.28933	1.17059	0.018612211	80.685	8.01843	10.47857	19.84917	1.51977777	Residential	3.39E-08	0	8.6E-04
path	592414.99	4140664.85	2.16755	0.70482	0.37307	0.62777	0.020013057	45.57634	8.68139	10.01208	11.7347	0.983024087	Parks/Paths	3.64E-08	0	9.3E-04
offsite	592414.99	4140564.85	1.87007	0.7454	0.3865	0.57608	0.018674545	33.64331	9.08842	10.11219	10.87052	0.836948422	Residential	3.40E-08	0	8.6E-04
offsite	592414.99	4140464.85	1.6549	0.78955	0.39925	0.5301	0.017747151	30.16614	9.52674	10.21648	10.20882	0.793875759	Residential	3.23E-08	0	8.2E-04
offsite	592414.99	4140364.85	1.48231	0.83765	0.41056	0.48861	0.017049486	26.44617	10.43497	10.23134	9.73939	0.757522892	Residential	3.10E-08	0	7.9E-04
offsite	592414.99	4140264.85	1.33706	0.89048	0.42064	0.45116	0.016518606	24.81894	11.39675	10.23711	9.42515	0.74896012	Residential	3.01E-08	0	7.6E-04
offsite	592414.99	4140164.85	1.21196	0.94891	0.42947	0.41726	0.016125041	21.58288	12.14236	10.4827	9.20632	0.722457461	Residential	2.94E-08	0	7.5E-04
offsite	592414.99	4140064.85	1.1029	1.01405	0.43671	0.38639	0.015851889	17.41372	12.8569	10.76631	9.04777	0.685930046	Residential	2.89E-08	0	7.3E-04
offsite	592414.99	4139964.85	1.00757	1.0873	0.44241	0.35836	0.015696241	16.37237	13.70255	10.89497	8.90313	0.686566507	Residential	2.86E-08	0	7.3E-04
offsite	592414.99	4139864.85	0.92376	1.17064	0.44637	0.33287	0.015656754	14.63775	14.73867	10.94582	8.74379	0.68096396	Residential	2.85E-08	0	7.2E-04
offsite	592414.99	4139764.85	0.84941	1.26658	0.44845	0.30965	0.015736347	14.36653	15.98308	10.96389	8.61568	0.695990081	Residential	2.87E-08	0	7.3E-04
offsite	592414.99	4139664.85	0.78265	1.379	0.44862	0.28859	0.015948447	15.23673	17.41507	10.96992	8.54735	0.728240689	Residential	2.90E-08	0	7.4E-04
offsite	592414.99	4139564.85	0.72204	1.51264	0.4469	0.26934	0.016311847	15.25519	19.05784	11.02539	8.47295	0.75439152	Residential	2.97E-08	0	7.5E-04
offsite	592414.99	4139464.85	0.66641	1.67521	0.44332	0.25174	0.016865081	13.14711	20.97413	11.2856	8.40448	0.762559866	Residential	3.07E-08	0	7.8E-04
offsite	592414.99	4139364.85	0.61499	1.87919	0.43781	0.2357	0.017675891	12.49655	23.2996	11.53983	8.3395	0.794402071	Residential	3.22E-08	0	8.2E-04
offsite	592414.99	4139264.85	0.56734	2.14424	0.43037	0.22103	0.018854588	12.12566	26.27066	12.03494	8.28573	0.843004523	Residential	3.43E-08	0	8.7E-04
offsite	592514.99	4141364.85	0.80187	0.4424	0.26184	1.22711	0.01632648	64.83303	7.02046	10.41065	23.41938	1.374060398	Residential	2.97E-08	0	7.6E-04
path	592514.99	4140664.85	1.8218	0.63443	0.34703	0.61725	0.017899336	39.58343	8.32448	9.83995	12.10189	0.91076928	Parks/Paths	3.26E-08	0	8.3E-04
path	592514.99	4140564.85	1.61008	0.66809	0.35926	0.56881	0.016905468	31.0543	8.54598	9.87481	11.2286	0.800709422	Parks/Paths	3.08E-08	0	7.8E-04
offsite	592514.99	4140464.85	1.44977	0.70412	0.37079	0.52529	0.016177386	28.3478	9.02866	10.04134	10.49085	0.766925418	Residential	2.95E-08	0	7.5E-04
offsite	592514.99	4140364.85	1.31967	0.743	0.38158	0.48603	0.015621911	24.92279	9.41373	10.09341	9.92611	0.724530138	Residential	2.84E-08	0	7.2E-04
offsite	592514.99	4140264.85	1.20816	0.78503	0.3913	0.45035	0.015184139	23.67937	10.2291	10.09529	9.52302	0.716643175	Residential	2.76E-08	0	7.0E-04
offsite	592514.99	4140164.85	1.10953	0.83069	0.39983	0.4178	0.014838419	20.52559	11.13854	10.10089	9.23945	0.689816355	Residential	2.70E-08	0	6.9E-04
offsite	592514.99	4140064.85	1.02145	0.8806	0.4072	0.38815	0.014576846	16.83985	11.85927	10.45045	9.05506	0.659441244	Residential	2.65E-08	0	6.7E-04
offsite	592514.99	4139964.85	0.94236	0.93542	0.41315	0.36107	0.014392686	15.90866	12.54183	10.66924	8.90761	0.659784538	Residential	2.62E-08	0	6.7E-04
offsite	592514.99	4139864.85	0.87129	0.99612	0.41751	0.33624	0.014284108	14.48395	13.31749	10.7655	8.78445	0.65474957	Residential	2.60E-08	0	6.6E-04
offsite	592514.99	4139764.85	0.80709	1.06365	0.42015	0.31353	0.014249993	13.73824	14.25135	10.80078	8.67704	0.659746106	Residential	2.59E-08	0	6.6E-04
offsite	592514.99	4139664.85	0.74864	1.13975	0.42125	0.29288	0.014296173	14.44256	15.33979	10.81808	8.62188	0.684864271	Residential	2.60E-08	0	6.6E-04
offsite	592514.99	4139564.85	0.69493	1.22601	0.42059	0.27396	0.014423873	14.90955	16.58237	10.82226	8.56322	0.70946632	Residential	2.63E-08	0	6.7E-04
offsite	592514.99	4139464.85	0.64518	1.32467	0.41825	0.25662	0.014642058	13.64368	17.99693	11.01	8.50389	0.718708523	Residential	2.67E-08	0	6.8E-04
offsite	592514.99	4139364.85	0.59877	1.43835	0.41423	0.24065	0.01496169	12.04616	19.60944	11.26201	8.42427	0.727697246	Residential	2.72E-08	0	6.9E-04
offsite	592514.99	4139264.85	0.5555	1.57099	0.40841	0.22613	0.015404565	11.97414	21.51893	11.40902	8.38762	0.758789357	Residential	2.80E-08	0	7.1E-04
path	592614.99	4140564.85	1.38149	0.60373	0.33516	0.55894	0.015344999	29.16291	8.12016	9.70219	11.5713	0.775067399	Parks/Paths	2.79E-08	0	7.1E-04
path	592614.99	4140464.85	1.27092	0.63374	0.34588	0.51844	0.014812753	26.79226	8.50296	9.88315	10.82878	0.743712637	Parks/Paths	2.70E-08	0	6.9E-04
offsite	592614.99	4140364.85	1.17568	0.66569	0.35593	0.48153	0.014379573	23.76942	8.979	9.96721	10.19924	0.706848918	Residential	2.62E-08	0	6.6E-04
offsite	592614.99	4140264.85	1.09143	0.69979	0.36525	0.44784	0.014025042	22.69886	9.33707	9.98885	9.71187	0.692514024	Residential	2.55E-08	0	6.5E-04
offsite	592614.99	4140164.85	1.01466	0.73637	0.37354	0.41687	0.013730699	19.63338	10.05739	9.99011	9.34665	0.662317974	Residential	2.50E-08	0	6.3E-04
offsite	592614.99	4140064.85	0.94422	0.77565	0.38076	0.38846	0.013491502	16.36282	10.92686	10.0754	9.10737	0.635146524	Residential	2.46E-08	0	6.2E-04
offsite	592614.99	4139964.85	0.87952	0.81803	0.38686	0.36244	0.013305719	15.50821	11.6261	10.41837	8.92966	0.637668711	Residential	2.42E-08	0	6.2E-04
offsite	592614.99	4139864.85	0.81999	0.86388	0.3915	0.33847	0.013168663	14.33389	12.28162	10.5856	8.80738	0.634505736	Residential	2.40E-08	0	6.1E-04
offsite	592614.99	4139764.85	0.76517	0.91365	0.39469	0.31646	0.013080369	13.19987	13.00236	10.65917	8.73144	0.632479303	Residential	2.38E-08	0	6.0E-04
offsite	592614.99	4139664.85	0.71447	0.96792	0.3964	0.29631	0.013040763	13.71354	13.84516	10.69034	8.6832	0.651682536	Residential	2.37E-08	0	6.0E-04
offsite	592614.99	4139564.85	0.66727	1.02708	0.39659	0.27775	0.013047266	14.44319	14.80822	10.70079	8.63125	0.67504748	Residential	2.38E-08	0	6.0E-04
offsite	592614.99	4139464.85	0.62308	1.09176	0.39526	0.26076	0.013101269	13.87201	15.89725	10.74381	8.58916	0.68572964	Residential	2.39E-08	0	6.1E-04
offsite	592614.99	4139364.85	0.58148	1.16183	0.39245	0.24496	0.013197708	11.59302	17.12361	10.9963	8.51266	0.680559858	Residential	2.40E-08	0	6.1E-04
offsite	592614.99	4139264.85	0.54233	1.2369	0.38801	0.2306	0.01333468	11.70719	18.49422	11.24511	8.48236	0.706485933	Residential	2.43E-08	0	6.2E-04
path	592714.99	4140464.85	1.11147	0.57476	0.32368	0.50945	0.01359716	25.42878	8.02508	9.70622	11.16923	0.723337867	Parks/Paths	2.48E-08	0	6.3E-04
path	592714.99	4140364.85	1.04611	0.60152	0.33301	0.47501	0.013275936	22.74118	8.47086	9.85127	10.51351	0.690235714	Parks/Paths	2.42E-08	0	6.1E-04
path	592714.99	4140264.85	0.98496	0.62894	0.34192	0.44367	0.012996554	21.86306	8.94402	9.89544	9.98402	0.679609304	Parks/Paths	2.37E-08	0	6.0E-04
offsite	592714.99	4140164.85	0.92671	0.65947	0.35	0.41448	0.012758372	18.8686	9.2746	9.90304	9.53901	0.642768743	Residential	2.32E-08	0	5.9E-04
offsite	592714.99	4140064.85	0.8715	0.69037	0.35711	0.38759	0.012546451	16.00637	9.91767	9.90459	9.22681	0.614565456	Residential	2.28E-08	0	5.8E-04
offsite	592714.99	4139964.85	0.81905	0.72479	0.36311	0.36249	0.012373315	15.22611	10.75399	10.11925	8.99727	0.617791916	Residential	2.25E-08	0	5.7E-04
offsite	592714.99	4139864.85	0.77	0.7605	0.36804	0.33955	0.012231723	14.19983	11.43311	10.38838	8.85303	0.617622102	Residential	2.23E-08	0	5.7E-04
offsite	592714.99	4139764.85	0.7238	0.79841	0.37158	0.31832	0.012119513	12.86483	12.06734	10.51785	8.80309	0.612934202	Residential	2.21E-08	0	5.6E-04
offsite	592714.99	4139664.85	0.68032	0.83869	0.37378	0.29879	0.012037321	13.18406	12.743	10.57569	8.75055	0.627416892	Residential	2.19E-08	0	5.6E-04
offsite	592714.99	4139564.85	0.63923	0.88124	0.37465	0.28066	0.011981047	13.91394	13.50526	10.59921	8.67937	0.647400263	Residential	2.18E-08	0	5.5E-04
offsite	592714.99	4139464.85	0.60026	0.92593	0.37417	0.26395	0.011948813	13.86896	14.36734	10.60723	8.62035	0.659908211	Residential	2.18E-08	0	5.5E-04
offsite	592714.99	4139364.85	0.56323	0.97232	0.37233	0.24855	0.011936455	12.1101	15.33151	10.74383	8.57938	0.655790648	Residential	2.17E-08	0	5.5E-04
offsite	592714.99	4139264.85	0.52801	1.01927	0.36906	0.23439	0.011935927	11.38142	16.39456	10.99564	8.54852	0.666901996	Residential	2.17E-08	0	5.5E-04
path	592814.99	4140264.85	0.88755	0.57124	0.32109	0.43759	0.012083313	21.14733	8.45275	9.81234	10.28401	0.667101354	Parks/Paths	2.20E-08	0	5.6E-04
offsite	592814.99	4140164.85	0.84505	0.59525	0.32881	0.41045	0.011887786	18.27005	8.92335	9.83193	9.80122	0.633430281	Residential	2.16E-08	0	5.5E-04
offsite	592814.99	4140064.85	0.80281	0.62191	0.3358	0.38509	0.011717375	15.69374	9.23945	9.83511	9.41217	0.602105002	Residential	2.13E-08	0	5.4E-04
offsite	592814.99	4139964.85	0.76145	0.64923	0.34184	0.36139	0.011561131	15.00796	9.80441	9.83569	9.12059	0.598497071	Residential	2.11E-08	0	5.3E-04
offsite	592814.99	4139864.85	0.72154	0.67767	0.34674	0.33942	0.011423584	14.06177	10.61165	10.15238	8.9704	0.601808075	Residential	2.08E-08	0	5.3E-04
offsite	592814.99	4139764.85	0.68323	0.70735	0.35057	0.31913	0.011306109	12.82668	11.27297	10.36315	8.86699	0.598852223	Residential	2.06E-08	0	5.2E-04
offsite	592814.99	4139664.85	0.64636	0.73817	0.35314	0.30021	0.011204128	12.78677	11.88746	10.46213	8.78555	0.608169238	Residential	2.04E-08	0	5.2E-04
offsite	592814.99	4139564.85	0.611	0.76999	0.35455	0.28273	0.011118206	13.37689	12.52179	10.50769	8.74782	0.625253617	Residential	2.02E-08	0	5.1E-04
offsite	592814.99	4139464.85	0.577	0.80237	0.35474	0.26651	0.011043519	13.71232	13.21958	10.52656	8.69878	0.639869266	Residential	2.01E-08	0	5.1E-04
offsite	592814.99	4139364.85	0.54429	0.83473	0.35369	0.2515	0.010975943	12.6005	14.00079	10.5793	8.64979	0.639257626	Residential	2.00E-08	0	5.1E-04

Roadway HRA
Project Contribution

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	r Million (Residential 30-yr; school and par: Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592814.99	4139264.85	0.51277	0.86569	0.35141	0.2375	0.010905691	11.04166	14.85851	10.7558	8.59785	0.636077515	Residential	1.99E-08	0	5.0E-04
Phase4	590514.99	4140764.85	1.83489	0.80896	22.42546	0.47592	0.143139848	15.98804	11.71891	205.5199	18.09394	3.142240274	Daycare	2.61E-07	0	6.6E-03
Phase4	590514.99	4140664.85	2.08319	0.73977	22.14638	0.37133	0.141469196	17.89171	10.65554	202.82676	16.59699	3.0910358	Daycare	2.58E-07	0	6.5E-03
Phase4	590614.99	4140764.85	1.94395	0.93339	7.54545	0.54416	0.060441978	16.68015	13.17647	78.18854	17.18033	1.62501898	Daycare	1.10E-07	0	2.8E-03
Phase4	590614.99	4140664.85	2.21407	0.84877	7.51833	0.42613	0.060107673	19.14132	11.96184	74.81894	15.77723	1.571271135	Daycare	1.09E-07	0	2.8E-03
Phase4	590614.99	4140564.85	2.59498	0.77319	7.49784	0.34615	0.060612858	22.14042	10.94495	70.57176	14.61578	1.520313829	Daycare	1.10E-07	0	2.8E-03
Phase5	590714.99	4141164.85	1.3543	1.6145	4.15477	1.82492	0.051851628	12.44548	20.14748	51.23592	25.67119	1.498786204	Daycare	9.44E-08	0	2.4E-03
Phase5	590714.99	4141064.85	1.48721	1.48843	4.5022	1.33525	0.05013411	13.69539	18.42721	48.92894	22.25627	1.403280649	Daycare	9.13E-08	0	2.3E-03
Phase5	590714.99	4140964.85	1.66366	1.36885	4.60607	1.02961	0.048586349	14.75822	17.06007	47.86581	19.72526	1.340404563	Daycare	8.85E-08	0	2.2E-03
Phase4	590714.99	4140764.85	2.07127	1.09945	4.64681	0.60206	0.045928308	17.37898	14.76111	47.40557	16.04638	1.269687804	Daycare	8.36E-08	0	2.1E-03
Phase4	590714.99	4140664.85	2.35835	0.9798	4.64015	0.47624	0.045524288	19.72534	13.60043	47.04311	14.66761	1.252083749	Daycare	8.29E-08	0	2.1E-03
Phase4	590714.99	4140564.85	2.78541	0.89571	4.63029	0.38722	0.046173458	22.84121	12.26124	46.89527	13.51281	1.246804338	Daycare	8.41E-08	0	2.1E-03
Phase5	590814.99	4141164.85	1.3999	1.92632	2.7014	1.62676	0.044178903	12.85548	25.13824	37.54962	23.79575	1.389046231	Daycare	8.04E-08	0	2.0E-03
Phase5	590814.99	4141064.85	1.5367	1.69813	2.87353	1.28096	0.041931186	13.60057	21.77067	37.60295	20.55969	1.29239025	Daycare	7.64E-08	0	1.9E-03
Phase5	590814.99	4140964.85	1.70968	1.60771	3.20658	1.03161	0.042242291	15.38072	19.74831	37.20984	18.55765	1.243918724	Daycare	7.69E-08	0	2.0E-03
Phase3	590814.99	4140864.85	1.96506	1.50141	3.30684	0.81632	0.041740728	16.64978	18.12791	37.19053	16.02427	1.191922266	Daycare	7.60E-08	0	1.9E-03
Phase3	590814.99	4140764.85	2.21993	1.32907	3.33762	0.64644	0.04078883	18.34496	16.71774	37.15565	14.47754	1.163918388	Daycare	7.43E-08	0	1.9E-03
Phase3	590814.99	4140664.85	2.55917	1.18538	3.3552	0.52458	0.040635755	20.76181	15.43814	37.12894	13.2361	1.151469994	Daycare	7.40E-08	0	1.9E-03
Phase2	590814.99	4140564.85	3.02814	1.05937	3.35009	0.42669	0.041185602	24.27999	14.12748	37.07041	12.24434	1.155056251	Daycare	7.50E-08	0	1.9E-03
Phase2	590814.99	4140464.85	3.75366	0.94967	3.33449	0.35525	0.043061698	29.23776	12.6328	36.96336	11.45695	1.175255746	Daycare	7.84E-08	0	2.0E-03
Phase5	590914.99	4141164.85	1.486	2.84663	2.096	1.58742	0.046148185	13.38249	35.41605	31.56817	22.66339	1.470557404	Daycare	8.40E-08	0	2.1E-03
Phase5	590914.99	4141064.85	1.63714	2.37214	2.26027	1.2807	0.042776344	14.48101	28.50786	31.04484	19.59651	1.316786299	Daycare	7.79E-08	0	2.0E-03
Phase5	590914.99	4140964.85	1.86591	2.28264	2.46306	1.04969	0.042725723	15.98948	24.26218	31.27964	17.90061	1.241787035	Daycare	7.78E-08	0	2.0E-03
Phase3	590914.99	4140864.85	2.0979	1.92887	2.5249	0.83673	0.040493185	17.59456	21.5156	31.23722	16.02166	1.185793804	Daycare	7.37E-08	0	1.9E-03
Phase3	590914.99	4140764.85	2.37685	1.61428	2.58931	0.67059	0.039040545	19.45907	19.42827	31.1861	13.28353	1.129602377	Daycare	7.11E-08	0	1.8E-03
Phase3	590914.99	4140664.85	2.77484	1.42354	2.59696	0.55321	0.038843761	22.11176	17.74533	31.12625	12.07	1.113472625	Daycare	7.07E-08	0	1.8E-03
Phase2	590914.99	4140564.85	3.34733	1.28379	2.59992	0.46033	0.039840316	26.57115	16.25325	30.85599	11.3379	1.126785453	Daycare	7.25E-08	0	1.8E-03
Phase2	590914.99	4140464.85	4.21834	1.14023	2.60062	0.39017	0.042246769	32.7294	14.74607	29.76773	10.73799	1.152047023	Daycare	7.69E-08	0	2.0E-03
Phase2	590914.99	4140364.85	5.87858	1.0136	2.58175	0.33201	0.048113137	49.41769	13.07223	28.58951	10.28217	1.299389613	Daycare	8.76E-08	0	2.2E-03
Phase6	591014.99	4141664.85	1.01135	5.07056	0.85364	9.4478	0.106573117	10.78157	43.03709	27.97369	96.53462	2.702055265	Daycare	1.94E-07	0	4.9E-03
Phase6	591014.99	4141564.85	1.10323	7.3132	1.00309	4.89244	0.08793357	11.32625	72.50584	27.82185	54.03114	2.500786269	Daycare	1.60E-07	0	4.1E-03
Phase6	591014.99	4141464.85	1.20686	7.41659	1.10398	3.14424	0.076946124	11.92187	73.8905	27.50771	37.15429	2.256112453	Daycare	1.40E-07	0	3.6E-03
Phase6	591014.99	4141364.85	1.31666	14.54996	1.36928	2.45266	0.115143451	12.59825	100.30316	27.31351	28.66484	2.551180998	Daycare	2.10E-07	0	5.3E-03
Phase5	591014.99	4141064.85	1.73648	3.76768	1.78419	1.25377	0.048370427	15.43895	45.17725	27.10948	18.64818	1.533889264	Daycare	8.81E-08	0	2.2E-03
Phase3	591014.99	4140964.85	1.98543	3.3885	1.9351	1.03909	0.04655655	16.943	32.64711	27.22629	17.12151	1.326703714	Daycare	8.48E-08	0	2.2E-03
Phase3	591014.99	4140864.85	2.24221	2.626	2.01353	0.8445	0.042295791	18.72808	27.25097	27.17494	15.69225	1.237242285	Daycare	7.70E-08	0	2.0E-03
Phase3	591014.99	4140764.85	2.56984	2.13708	2.06131	0.69194	0.040048584	21.01178	23.63315	26.96686	14.03233	1.176689867	Daycare	7.29E-08	0	1.9E-03
Phase2	591014.99	4140664.85	3.04679	1.81221	2.0983	0.57453	0.039581953	24.15249	21.0374	26.39814	11.58627	1.125722351	Daycare	7.21E-08	0	1.8E-03
Phase2	591014.99	4140564.85	3.74436	1.55544	2.11399	0.47975	0.040497734	29.49956	18.98902	24.88681	10.97437	1.127461356	Daycare	7.37E-08	0	1.9E-03
Phase2	591014.99	4140464.85	4.92267	1.35068	2.1081	0.40691	0.043812595	39.30155	17.23323	24.89168	10.49118	1.20650818	Daycare	7.98E-08	0	2.0E-03
Phase1	591014.99	4140364.85	7.39847	1.23196	2.09807	0.35797	0.053340816	62.16999	15.51997	24.91237	10.09034	1.441049285	Daycare	9.71E-08	0	2.5E-03
Phase6	591114.99	4141764.85	0.93925	2.45917	0.6414	19.50135	0.162443682	10.59361	23.65325	25.09574	188.14796	3.81960887	Daycare	2.96E-07	0	7.5E-03
Phase6	591114.99	4141664.85	1.02935	3.01131	0.72849	6.44771	0.072419763	11.11214	29.2965	24.73194	67.83487	1.986134545	Daycare	1.32E-07	0	3.3E-03
Phase6	591114.99	4141564.85	1.14506	3.50185	0.80667	3.95216	0.058204716	11.75089	34.04327	24.36268	44.71552	1.695515203	Daycare	1.06E-07	0	2.7E-03
Phase6	591114.99	4141464.85	1.23636	3.64756	0.87008	2.62913	0.050261033	12.42106	46.87115	24.26385	32.63054	1.715316059	Daycare	9.15E-08	0	2.3E-03
Phase6	591114.99	4141364.85	1.36133	4.22472	1.01294	2.10884	0.051191025	13.20933	42.67178	24.24504	25.95926	1.549907766	Daycare	9.32E-08	0	2.4E-03
Phase6	591114.99	4141264.85	1.50922	7.77738	1.2381	1.79779	0.07138268	14.1777	59.22967	24.36519	22.93458	1.780961677	Daycare	1.30E-07	0	3.3E-03
Phase6	591114.99	4141164.85	1.67404	18.78047	1.36563	1.47621	0.134055895	15.28214	123.4496	24.33755	20.42294	2.78764573	Daycare	2.44E-07	0	6.2E-03
Phase3	591114.99	4140964.85	2.11418	6.83178	1.5636	1.0163	0.06472874	18.25341	62.29146	24.17984	16.39636	1.771187968	Daycare	1.18E-07	0	3.0E-03
Phase3	591114.99	4140864.85	2.43378	4.36393	1.63267	0.8523	0.05105378	20.35117	41.48002	23.83373	15.17967	1.436981743	Daycare	9.30E-08	0	2.4E-03
Phase2	591114.99	4140764.85	2.84587	3.18207	1.68264	0.71358	0.04527831	23.16064	31.79909	22.82948	14.00961	1.283200083	Daycare	8.24E-08	0	2.1E-03
Phase2	591114.99	4140664.85	3.41815	2.48703	1.72387	0.60065	0.043138738	27.14796	26.48104	22.04203	12.46722	1.210153604	Daycare	7.86E-08	0	2.0E-03
Phase2	591114.99	4140564.85	4.33128	2.05703	1.75025	0.50732	0.044049871	33.78417	23.07512	22.13263	10.87849	1.208817499	Daycare	8.02E-08	0	2.0E-03
Phase2	591114.99	4140464.85	6.05135	1.79906	1.75078	0.44193	0.049472158	48.98895	20.55421	22.21257	10.41603	1.340165884	Daycare	9.01E-08	0	2.3E-03
Phase1	591114.99	4140364.85	10.60583	1.54732	1.7516	0.38113	0.067127631	85.34162	18.43754	22.21679	10.02159	1.726315998	Daycare	1.22E-07	0	3.1E-03
Phase6	591214.99	4141764.85	0.94665	1.83769	0.56735	11.89844	0.103661803	11.22828	17.88289	22.1797	130.30826	2.773048076	Daycare	1.89E-07	0	4.8E-03
Phase6	591214.99	4141664.85	1.04976	2.15145	0.63562	5.24155	0.058319326	11.83171	20.94164	22.18646	62.82442	1.749140153	Daycare	1.06E-07	0	2.7E-03
Phase6	591214.99	4141564.85	1.17262	2.31311	0.66197	3.29942	0.04593043	12.49707	25.48346	22.11748	38.25499	1.435936347	Daycare	8.36E-08	0	2.1E-03
Phase6	591214.99	4141464.85	1.28403	2.54196	0.73228	2.40911	0.041711587	13.23165	29.24021	22.08306	29.32321	1.361656334	Daycare	7.60E-08	0	1.9E-03
Phase6	591214.99	4141364.85	1.43182	2.95685	0.84446	1.98874	0.042348404	14.10728	35.14656	22.07406	24.10944	1.38347756	Daycare	7.71E-08	0	2.0E-03
Phase6	591214.99	4141164.85	1.78845	5.16182	1.09896	1.42123	0.053968393	16.38887	42.49027	22.02654	19.35872	1.451891555	Daycare	9.83E-08	0	2.5E-03
Phase7	591214.99	4141064.85	1.99903	8.32525	1.21237	1.18129	0.072059516	17.90114	63.65327	21.81821	17.54024	1.778844337	Daycare	1.31E-07	0	3.3E-03
Phase7	591214.99	4140964.85	2.26451	27.35204	1.29265	1.00573	0.182299277	19.75908	169.85452	21.22879	15.74904	3.475246088	Daycare	3.32E-07	0	8.4E-03
Phase2	591214.99	4140764.85	3.14902	6.19548	1.40594	0.72466	0.062497351	26.47262	55.58062	20.01095	13.69821	1.666116042	Daycare	1.14E-07	0	2.9E-03
Phase2	591214.99	4140664.85	3.8865	4.06175	1.44658	0.61774	0.052795841	32.11826	39.53579	19.95495	12.66123	1.456673924	Daycare	9.61E-08	0	2.4E-03
Phase2	591214.99	4140564.85	5.15068	2.98274	1.47605	0.52839	0.051510447	41.28389	31.44642	19.74249	11.20275	1.408020165	Daycare	9.38E-08	0	2.4E-03
Phase1	591214.99	4140464.85	7.92341	2.47062	1.48368	0.46209	0.060015272	64.68833	26.1711	20.05467	10.37289	1.588126573	Daycare	1.09E-07	0	2.8E-03
Phase1	591214.99	4140364.85	23.17206	2.03861	1.48816	0.40133	0.122539166	185.01596	22.50868	20.13971	10.00677	2.936034539	Daycare	2.23E-07	0	5.7E-03
Phase6	591314.99	4141664.85	1.06621	1.66404	0.56196	4.76343	0.051710229	12.54664	17.71035	20.47689	58.27145	1.612002245	Daycare	9.42E-08	0	2.4E-03
Phase6	591314.99	4141564.85	1.20761	1.8151	0.59776	3.18046	0.041982156	13.28221	20.34939	20.44583	35.08144	1.291517383	Daycare	7.64E-08	0	1.9E-03
Phase6	591314.99	4141464.85	1.3533	1.9889	0.64211	2.33442	0.037764309	14.09663	21.68717	20.40892	26.7603	1.188961929	Daycare	6.88E-08	0	1.7E-03
Phase6	591314.99	4141364.85	1.50468	2.21293	0.71658	1.87894	0.036847087	15.06395	25.47559	20.33533	22.55905	1.193180375	Daycare	6.71E-08	0	1.7E-03
Phase6	591314.99	4141264.85	1.69667	2.59916	0.81404	1.60556	0.038484079	16.23151	28.18914	20.21859	20.25624	1.21230894	Daycare	7.01E-08	0	1.8E-03
Phase7	591314.99	4141164.85	1.89602	3.09844	0.90343	1.36353	0.04098592	17.62564	28.46636	19.84368	18.40578	1.198989312	Daycare	7.46E-08	0	1.9E-03
Phase7	591314.99	4141064.85	2.146	3.95471	0.99183	1.171	0.04611841	19.61183	34.45392	18.97907	16.8642	1.283625952	Daycare	8.40E-08	0	2.1E-03
Phase7	591314.99	4140964.85	2.45173	5.59429	1.08313	0.99422	0.056144995	22.1268	44.58863	18.4015	15.22083	1.443085602	Daycare	1.02E-07	0	2.6E-03
Phase7	591314.99	4140864.85	2.88507	9.7966	1.14385	0.84673	0.081560839	25.39815	69.4697	18.39688	14.16049	1.865147716	Daycare	1.49E-07	0	3.8E-03
Phase2	591314.99	4140564.85	6.40934	5.70871	1.2567	0.54948	0.071566505	53.9204	50.12857	17.37126	11.56052	1.834310971	Daycare	1.30E-07	0	3.3E-03

Roadway HRA
Project Contribution

			AERMOD Output												r Million (Residential 30-yr; school and par	
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED					Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
Phase1	591314.99	4140464.85	11.95194	3.88336	1.27398	0.47854		0.084392078	101.98174	37.60079	18.05018	10.34112	2.185082444	Daycare	1.54E-07	0	3.9E-03
Phase6	591414.99	4141464.85	1.40818	1.65085	0.60045	2.29591		0.035533187	14.95597	18.7263	19.00331	25.25729	1.110361764	Daycare	6.47E-08	0	1.6E-03
Phase6	591414.99	4141364.85	1.5985	1.76918	0.62632	1.82254		0.033767926	16.02498	17.96279	18.73942	21.29515	1.043999008	Daycare	6.15E-08	0	1.6E-03
Phase6	591414.99	4141264.85	1.80232	1.98047	0.69434	1.5317		0.034152322	17.43349	22.27048	18.17783	19.21126	1.089772974	Daycare	6.22E-08	0	1.6E-03
Phase8	591414.99	4141164.85	2.00741	2.22262	0.76248	1.29964		0.035144815	19.16455	23.63063	17.29927	17.55935	1.09495717	Daycare	6.40E-08	0	1.6E-03
Phase7	591414.99	4141064.85	2.28787	2.62617	0.83696	1.12853		0.037868364	21.32154	24.46958	17.0848	16.2153	1.109674496	Daycare	6.90E-08	0	1.8E-03
Phase7	591414.99	4140964.85	2.6704	3.32124	0.91155	0.98353		0.042902732	24.13423	28.9075	17.08878	14.90545	1.193226019	Daycare	7.81E-08	0	2.0E-03
Phase6	591514.99	4141364.85	1.65362	1.51507	0.58757	1.75846		0.03185491	17.11532	16.51461	16.72397	20.43508	0.995415837	Daycare	5.80E-08	0	1.5E-03
Phase8	591514.99	4141264.85	1.92628	1.60479	0.60809	1.49117		0.03173284	18.6905	16.1404	16.13712	18.32215	0.966973585	Daycare	5.78E-08	0	1.5E-03
Phase8	591514.99	4141164.85	2.17632	1.75849	0.65896	1.26282		0.032336085	20.57274	19.66095	16.03111	16.83581	1.020683774	Daycare	5.89E-08	0	1.5E-03
Phase8	591514.99	4141064.85	2.48738	1.99927	0.72001	1.09994		0.034233845	23.00342	20.64995	16.02068	15.63305	1.04574901	Daycare	6.23E-08	0	1.6E-03
Phase8	591514.99	4140964.85	2.93086	2.36148	0.78188	0.96874		0.037634284	26.29713	21.21262	15.95522	14.5292	1.074993928	Daycare	6.85E-08	0	1.7E-03
Phase8	591614.99	4141164.85	2.41135	1.47015	0.58384	1.24365		0.031114817	21.98653	15.24073	15.17111	16.20898	0.945686135	Daycare	5.67E-08	0	1.4E-03
Phase8	591614.99	4141064.85	2.77018	1.61525	0.62915	1.07891		0.03256219	24.70469	17.66254	15.1018	15.10704	0.998104288	Daycare	5.93E-08	0	1.5E-03
Phase8	591614.99	4140964.85	3.22185	1.88896	0.70156	0.94126		0.035499813	29.86837	18.57728	14.84798	14.1547	1.055114471	Daycare	6.46E-08	0	1.6E-03
Phase8	591714.99	4141064.85	3.19908	1.38521	0.58128	1.06006		0.032666424	28.62522	14.43697	14.1667	14.63881	0.973390707	Daycare	5.95E-08	0	1.5E-03

Roadway HRA
Near Term No Project

City Place Roadway HRA - DPM

Truck g/s	Annual Average DPM (g/s) - Scaling Factor
Tasman	0.000158
Lafayette	0.000127
Great Am	0.000197
SR237	0.001308

Annual DPM (g/s) - Scaling Factor	
0.01047	98%
0.00970	99%
0.00756	97%
0.03151	96%
(OLD)	

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS: Tasman	Lafayette	Great Am	SR237	Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhallation: 3rd trimester	0<2	2<9	2<16	16<30	16-70	Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year): rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	589514.99	4139264.85	0.05088	0.05261	0.06785	0.02777	6.43801E-05	Residential	2.23E-08	6.73E-08	3.90E-08	3.53E-08	1.61E-08	1.44E-08	8.8E-10	2.1E-08	0.0E+00	2.3E-08	0.0E+00	1.2E-08	5.75E-08	0	1.29E-05
offsite	589614.99	4139264.85	0.05251	0.05453	0.07232	0.02872	6.70038E-05	Residential	2.32E-08	7.00E-08	4.05E-08	3.68E-08	1.68E-08	1.50E-08	9.1E-10	2.2E-08	0.0E+00	2.4E-08	0.0E+00	1.3E-08	5.99E-08	0	1.34E-05
offsite	591314.99	4139264.85	0.2687	0.20607	0.38608	0.06837	0.000233964	Residential	8.10E-08	2.45E-07	1.42E-07	1.28E-07	5.86E-08	5.23E-08	3.2E-09	7.7E-08	0.0E+00	8.5E-08	0.0E+00	4.4E-08	2.09E-07	0	4.68E-05
offsite	591414.99	4139264.85	0.27804	0.24712	0.36442	0.07198	0.000241095	Residential	8.35E-08	2.52E-07	1.46E-07	1.32E-07	6.03E-08	5.39E-08	3.3E-09	7.9E-08	0.0E+00	8.7E-08	0.0E+00	4.6E-08	2.15E-07	0	4.82E-05
offsite	591514.99	4139264.85	0.28462	0.30485	0.34343	0.07557	0.000250013	Residential	8.65E-08	2.61E-07	1.51E-07	1.37E-07	6.26E-08	5.59E-08	3.4E-09	8.2E-08	0.0E+00	9.1E-08	0.0E+00	4.7E-08	2.23E-07	0	5.00E-05
offsite	591614.99	4139264.85	0.28878	0.38998	0.32349	0.07909	0.000262139	Residential	9.07E-08	2.74E-07	1.59E-07	1.44E-07	6.56E-08	5.86E-08	3.6E-09	8.6E-08	0.0E+00	9.5E-08	0.0E+00	5.0E-08	2.34E-07	0	5.24E-05
offsite	591714.99	4139264.85	0.29081	0.52306	0.30474	0.08259	0.000280219	Residential	9.70E-08	2.93E-07	1.70E-07	1.54E-07	7.01E-08	6.26E-08	3.8E-09	9.2E-08	0.0E+00	1.0E-07	0.0E+00	5.3E-08	2.50E-07	0	5.60E-05
offsite	591814.99	4139264.85	0.29112	0.75006	0.28726	0.08602	0.000310098	Residential	1.07E-07	3.24E-07	1.88E-07	1.70E-07	7.76E-08	6.93E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.77E-07	0	6.20E-05
offsite	591914.99	4139264.85	0.29007	1.19573	0.27098	0.08937	0.000367626	Residential	1.27E-07	3.84E-07	2.22E-07	2.02E-07	9.20E-08	8.21E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	7.0E-08	3.29E-07	0	7.35E-05
offsite	592014.99	4139264.85	0.2879	2.39111	0.25587	0.09256	0.000520077	Residential	1.80E-07	5.44E-07	3.15E-07	2.85E-07	1.30E-07	1.16E-07	7.1E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.9E-08	4.65E-07	0	1.04E-04
offsite	592214.99	4139264.85	0.28099	4.09509	0.22881	0.09839	0.00073738	Residential	2.55E-07	7.71E-07	4.46E-07	4.04E-07	1.85E-07	1.65E-07	1.0E-08	2.4E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.59E-07	1	1.47E-04
offsite	592314.99	4139264.85	0.27645	1.88998	0.21675	0.10098	0.000458026	Residential	1.59E-07	4.79E-07	2.77E-07	2.51E-07	1.15E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.7E-08	4.09E-07	0	9.16E-05
offsite	592414.99	4139264.85	0.2713	1.20418	0.20553	0.1034	0.000371196	Residential	1.28E-07	3.88E-07	2.25E-07	2.04E-07	9.29E-08	8.29E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	7.0E-08	3.32E-07	0	7.42E-05
offsite	592514.99	4139264.85	0.2656	0.87457	0.19506	0.10569	0.00032943	Residential	1.14E-07	3.44E-07	1.99E-07	1.81E-07	8.24E-08	7.36E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.94E-07	0	6.59E-05
offsite	592614.99	4139264.85	0.25938	0.68363	0.18535	0.10776	0.00030503	Residential	1.06E-07	3.19E-07	1.85E-07	1.67E-07	7.63E-08	6.82E-08	4.1E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.73E-07	0	6.10E-05
offsite	592714.99	4139264.85	0.2527	0.5596	0.17633	0.10956	0.000288825	Residential	1.00E-07	3.02E-07	1.75E-07	1.58E-07	7.23E-08	6.45E-08	3.9E-09	9.5E-08	0.0E+00	1.0E-07	0.0E+00	5.5E-08	2.58E-07	0	5.78E-05
offsite	592814.99	4139264.85	0.24562	0.47236	0.1679	0.11113	0.000277039	Residential	9.59E-08	2.90E-07	1.68E-07	1.52E-07	6.93E-08	6.19E-08	3.8E-09	9.1E-08	0.0E+00	1.0E-07	0.0E+00	5.3E-08	2.48E-07	0	5.54E-05
offsite	589514.99	4139364.85	0.05643	0.05669	0.07674	0.02857	6.85699E-05	Residential	2.37E-08	7.17E-08	4.15E-08	3.76E-08	1.72E-08	1.53E-08	9.3E-10	2.3E-08	0.0E+00	2.5E-08	0.0E+00	1.3E-08	6.13E-08	0	1.37E-05
offsite	589614.99	4139364.85	0.05833	0.05891	0.08234	0.0296	7.16015E-05	Residential	2.48E-08	7.48E-08	4.33E-08	3.93E-08	1.79E-08	1.60E-08	9.7E-10	2.4E-08	0.0E+00	2.6E-08	0.0E+00	1.4E-08	6.40E-08	0	1.43E-05
offsite	591314.99	4139364.85	0.31997	0.25192	0.42834	0.07358	0.000262997	Residential	9.10E-08	2.75E-07	1.59E-07	1.44E-07	6.58E-08	5.88E-08	3.6E-09	8.6E-08	0.0E+00	9.5E-08	0.0E+00	5.0E-08	2.35E-07	0	5.26E-05
offsite	591414.99	4139364.85	0.32752	0.30726	0.39787	0.07747	0.000270288	Residential	9.36E-08	2.83E-07	1.64E-07	1.48E-07	6.76E-08	6.04E-08	3.7E-09	8.9E-08	0.0E+00	9.8E-08	0.0E+00	5.1E-08	2.42E-07	0	5.41E-05
offsite	591514.99	4139364.85	0.33166	0.38617	0.37007	0.08134	0.000280532	Residential	9.71E-08	2.93E-07	1.70E-07	1.54E-07	7.02E-08	6.27E-08	3.8E-09	9.2E-08	0.0E+00	1.0E-07	0.0E+00	5.3E-08	2.51E-07	0	5.61E-05
offsite	591614.99	4139364.85	0.33292	0.50452	0.34488	0.0851	0.000295694	Residential	1.02E-07	3.09E-07	1.79E-07	1.62E-07	7.40E-08	6.61E-08	4.0E-09	9.7E-08	0.0E+00	1.1E-07	0.0E+00	5.6E-08	2.64E-07	0	5.91E-05
offsite	591714.99	4139364.85	0.33191	0.69354	0.322	0.0888	0.000319837	Residential	1.11E-07	3.34E-07	1.94E-07	1.75E-07	8.00E-08	7.15E-08	4.3E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.1E-08	2.86E-07	0	6.40E-05
offsite	591814.99	4139364.85	0.32913	1.02971	0.30126	0.09239	0.000362641	Residential	1.26E-07	3.79E-07	2.19E-07	1.99E-07	9.08E-08	8.10E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.9E-08	3.24E-07	0	7.25E-05
offsite	591914.99	4139364.85	0.32514	1.7639	0.28236	0.09588	0.000455963	Residential	1.58E-07	4.77E-07	2.76E-07	2.50E-07	1.14E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.6E-08	4.07E-07	0	9.12E-05
offsite	592014.99	4139364.85	0.32024	4.79237	0.26509	0.09921	0.000840213	Residential	2.91E-07	8.78E-07	5.08E-07	4.61E-07	2.10E-07	1.88E-07	1.1E-08	2.8E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.51E-07	1	1.68E-04
offsite	592114.99	4139364.85	0.31461	8.53549	0.24931	0.10233	0.001314998	Residential	4.55E-07	1.37E-06	7.96E-07	7.21E-07	3.29E-07	2.94E-07	1.8E-08	4.3E-07	0.0E+00	4.8E-07	0.0E+00	2.5E-07	1.18E-06	1	2.63E-04
offsite	592214.99	4139364.85	0.30837	2.58775	0.23485	0.10521	0.000560644	Residential	1.94E-07	5.86E-07	3.39E-07	3.08E-07	1.40E-07	1.25E-07	7.6E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.1E-07	5.01E-07	1	1.12E-04
offsite	592314.99	4139364.85	0.3016	1.50271	0.22162	0.10782	0.00042278	Residential	1.46E-07	4.42E-07	2.56E-07	2.32E-07	1.06E-07	9.45E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.0E-08	3.78E-07	0	8.46E-05
offsite	592414.99	4139364.85	0.29436	1.04274	0.20942	0.11025	0.000364081	Residential	1.26E-07	3.81E-07	2.20E-07	2.00E-07	9.11E-08	8.13E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.9E-08	3.25E-07	0	7.28E-05
offsite	592514.99	4139364.85	0.28666	0.79215	0.19818	0.11247	0.000331778	Residential	1.15E-07	3.47E-07	2.01E-07	1.82E-07	8.30E-08	7.41E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.3E-08	2.97E-07	0	6.64E-05
offsite	592614.99	4139364.85	0.27854	0.63556	0.18778	0.11449	0.000311233	Residential	1.08E-07	3.25E-07	1.88E-07	1.71E-07	7.79E-08	6.95E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.78E-07	0	6.22E-05
offsite	592714.99	4139364.85	0.27005	0.52875	0.17815	0.11625	0.000296755	Residential	1.03E-07	3.10E-07	1.80E-07	1.63E-07	7.43E-08	6.63E-08	4.0E-09	9.7E-08	0.0E+00	1.1E-07	0.0E+00	5.6E-08	2.65E-07	0	5.94E-05
offsite	592814.99	4139364.85	0.26122	0.45129	0.16921	0.1178	0.000285806	Residential	9.89E-08	2.99E-07	1.73E-07	1.57E-07	7.15E-08	6.39E-08	3.9E-09	9.4E-08	0.0E+00	1.0E-07	0.0E+00	5.4E-08	2.55E-07	0	5.72E-05
offsite	589514.99	4139464.85	0.06327	0.06126	0.08849	0.02945	7.36932E-05	Residential	2.55E-08	7.70E-08	4.46E-08	4.04E-08	1.84E-08	1.65E-08	1.0E-09	2.4E-08	0.0E+00	2.7E-08	0.0E+00	1.4E-08	6.59E-08	0	1.47E-05
offsite	589614.99	4139464.85	0.06564	0.06384	0.09592	0.03054	7.72836E-05	Residential	2.68E-08	8.08E-08	4.68E-08	4.24E-08	1.93E-08	1.73E-08	1.1E-09	2.5E-08	0.0E+00	2.8E-08	0.0E+00	1.5E-08	6.91E-08	0	1.55E-05
offsite	591314.99	4139464.85	0.38475	0.30664	0.46849	0.07954	0.000295847	Residential	1.02E-07	3.09E-07	1.79E-07	1.62E-07	7.40E-08	6.61E-08	4.0E-09	9.7E-08	0.0E+00	1.1E-07	0.0E+00	5.6E-08	2.64E-07	0	5.92E-05
offsite	591414.99	4139464.85	0.38848	0.37931	0.42904	0.08372	0.000303344	Residential	1.05E-07	3.17E-07	1.84E-07	1.66E-07	7.59E-08	6.78E-08	4.1E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.71E-07	0	6.07E-05
offsite	591514.99	4139464.85	0.38825	0.48412	0.39457	0.08784	0.000315197	Residential	1.09E-07	3.29E-07	1.91E-07	1.73E-07	7.89E-08	7.04E-08	4.3E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	6.0E-08	2.82E-07	0	6.30E-05
offsite	591614.99	4139464.85	0.385	0.64356	0.36427	0.09186	0.000334193	Residential	1.16E-07	3.49E-07	2.02E-07	1.83E-07	8.36E-08	7.47E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.3E-08	2.99E-07	0	6.68E-05
offsite	591714.99	4139464.85	0.3796	0.9065	0.33742	0.09578	0.000366525	Residential	1.27E-07	3.83E-07	2.22E-07	2.01E-07	9.17E-08	8.19E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.9E-08	3.28E-07	0	7.33E-05
offsite	591814.99	4139464.85	0.37271	1.40965	0.31354	0.09958	0.000429514	Residential	1.49E-07	4.49E-07	2.60E-07	2.36E-07	1.07E-07	9.60E-08	5.8E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.1E-08	3.84E-07	0	8.59E-05
offsite	591914.99	4139464.85	0.36484	2.79447	0.2922	0.10319	0.000604413	Residential	2.09E-07	6.32E-07	3.66E-07	3.32E-07	1.51E-07	1.35E-07	8.2E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.1E-07	5.40E-07	1	1.21E-04
offsite	592114.99	4139464.85	0.34764	3.82616	0.25565	0.10977	0.000733947	Residential	2.54E-07	7.67E-07	4.44E-07	4.03E-07	1.84E-07	1.64E-07	1.0E-08	2.4E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.56E-07	1	1.47E-04
offsite	592214.99	4139464.85	0.33854	1.91145	0.23984	0.11273	0.000490448	Residential	1.70E-07	5.13E-07	2.97E-07	2.69E-07	1.23E-07	1.10E-07	6.7E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.3E-08	4.38E-07	0	9.81E-05
offsite	592314.99	4139464.85	0.32915	1.25168	0.22553	0.11535	0.000405904	Residential	1.41E-07	4.24E-07	2.46E-07	2.23E-07	1.02E-07	9.07E-08	5.5E-09	1.3E-07	0.0E+00	1.5E-07	0.0E+00	7.7E-08	3.63E-07	0	8.12E-05
offsite	592414.99	4139464.85	0.31945	0.92049	0.21244	0.11777	0.000362961	Residential	1.26E-07	3.79E-07	2.20E-07	1.99E-07	9.08E-08	8.11E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.9E-08	3.24E-07	0	7.26E-05
offsite	592514.99	4139464.85	0.30943	0.72293	0.20043	0.11999	0.000336866	Residential	1.17E-07	3.52E-07	2.04E-07	1.85E-07	8.43E-08	7.53E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.4E-08	3.01E-07	0	6.74E-05
offsite	592614.99	4139464.85	0.29909	0.59192	0.1894	0.12196	0.000319026	Residential	1.10E-07	3.33E-07	1.93E-07	1.75E-07	7.98E-08	7.13E-08	4.3E-09	1.0E-07	0.0E+00	1.2E-07	0.0E+00	6.0E-08	2.85E-07	0	6.38E-05
offsite	592714.99	4139464.85	0.28852	0.49921	0.1793	0.12357	0.000305719	Residential	1.06E-07	3.20E-07	1.85E-07	1.68E-07	7.65E-08	6.83E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.73E-07	0	6.11E-05
offsite	592814.99	4139464.85	0.27768	0.43017	0.16995	0.12496	0.000295232	Residential	1.02E-07	3.09E-07	1.79E-07	1.62E-07	7.39E-08	6.60E-08	4.0E-09	9.7E-08	0.0E+00	1.1E-07	0.0E+00	5.6E-08	2.64E-07	0	5.90E-05
offsite	589514.99	4139564.85	0.07174	0.06637	0.10402	0.03044	8.00305E-05	Residential	2.77E-08	8.36E-08	4.84E-08	4.39E-08	2.00E-08	1.79E-08	1.1E-09	2.6E-08	0.0E+00	2.9E-08	0.0E+00	1.5E-08	7.15E-08	0	1.60E-05
offsite	589614.99	4139564.85	0.07492	0.06936	0.1144	0.0316	8.44733E-05	Residential	2.92E-08	8.83E-08	5.11E-08	4.63E-08	2.11E-08	1.89E-08	1.1E-09	2.8E-08	0.0E+00	3.1E-08	0.0E+00	1.6E-08	7.55E-08	0	1.69E-05
offsite	591314.99	4139564.85	0.46686	0.37064	0.5048	0.0863	0.000332894	Residential	1.15E-07	3.48E-07	2.01E-07	1.83E-07	8.33E-08	7.44E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.3E-08	2.98E-07	0	6.66E-05
offsite	591414.99	4139564.85	0.4636	0.46362	0.45689	0.09085	0.000340683	Residential	1.18E-07	3.56E-07	2.06E-07	1.87E-07	8.53E-08	7.61E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.04E-07	0	6.81E-05
offsite	591514.99	4139564.85	0.45636	0.59963	0.41622	0.09526	0.000354546	Residential	1.23E-07	3.71E-07	2.15E-07	1.94E-07	8.87E-08	7.92E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.17E-07	0	7.09E-05
offsite	591614.99	4139564.85	0.4464	0.81202	0.38125	0.09953	0.000378606	Residential	1.31E-07	3.96E-07	2.29E-07	2.08E-07	9.48E-08	8.46E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.38E-07	0	7.57E-05
offsite	591714.99	4139564.85	0.43476	1.18349	0.35086	0.10363	0.000423257	Residential	1.47E-07	4.42E-07	2.56E-07	2.32E-07	1.06E-07	9.46E-08	5.8E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.0E-08	3.78E-07	0	8.47E-05
offsite	591814.99	4139564.85	0.42238	2.00305	0.32415	0.10758	0.000525147	Residential	1.82E-07	5.49E-07	3.18E-07	2.88E-07	1.31E-07	1.17E-07	7.1E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.69E-07	0	1.05E-04
offsite	591914.99	4139564.85	0.40971	5.86446	0.30053	0.11134	0.001013117	Residential	3.51E-07	1.06E-06	6.13E-07	5.56E-07	2.54E-07	2.26E-07	1.4E-08	3.3E-07	0.0E+00	3.7E-07	0.0E+00	1.9E-07	9.05E-07	1	2.03E-04
offsite	592014.99	4139564.85	0.39704	7.00855	0.27953	0.11485	0.001156667	Residential	4.00E-07	1.21E-06	7.00E-07	6.34E-07	2.89E-07	2.58E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.03E-06	1	2.31E-04
offsite	592114.99	4139564.85	0.38448	2.51944	0.26072	0.11807	0.000585888	Residential	2.03E-07	6.12E-07	3.55E-07	3.21E-07	1.47E-07	1.31E-07	8.0E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.24E-07	1	1.17E-04
offsite	592214.99	4139564.85	0.372	1.52225	0.24378	0.12101	0.000457967	Residential	1.59E-07	4.79E-07	2.77E-07	2.51E-07	1.15E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.7E-08	4.09E-07	0	9.16E-05
offsite	592314.99	4139564.85	0.35952	1.07498	0.22847	0.12364	0.000399702	Residential	1.38E-07	4.18E-07	2.42E-07	2.19E-07	1.00E-07	8.93E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.6E-08	3.57E-07	0	7.99E-05
offsite	592414.99	4139564.85	0.34691	0.82411	0.21455	0.12605	0.00036631	Residential	1.27E-07	3.83E-07	2.22E-07	2.01E-07	9.17E-08	8.18E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.9E-08	3.27E-07	0	7.33E-05
offsite	592514.99	4139564.85	0.33418	0.66382	0.20191	0.12816	0.000344246	Residential	1.19E-07	3.60E-07	2.08E-07	1.89E-07	8.62E-08	7.69E-08	4.7E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.08E-07	0	6.88E-05
offsite	592614.99	4139564.85	0.32129	0.5526	0.19037	0.13	0.000328244	Residential	1.14E-07	3.43E-07	1.99E-07	1.80E-07	8.22E-08	7.33E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.93E-07	0	6.56E-05
offsite	592714.99	4139564.85	0.30824	0.47134	0.1798	0.13152	0.000315788	Residential	1.09E-07	3.30E-07	1.91E-07	1.73E-07	7.90E-08	7.06E-08	4.3E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	6.0E-08	2.82E-07	0	6.32E-05
offsite	592814.99	4139564.85	0.29508	0.40952	0.17009	0.13271	0.000305519	Residential	1.06E-07	3.19E-07	1.85E-07	1.68E-07	7.65E-08	6.83E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.73E-07	0	6.11E-05
offsite	589514.99	4139664.85	0.08235	0.07202	0.12445	0.03153	8.78697E-05	Residential	3.04E-08	9.18E-08	5.32E-08	4.82E-08	2.20E-08	1.96E-08	1.2E-09	2.9E-08	0.0E+00	3.2E-08	0.0E+00	1.7E-08	7.85E-08	0	1.76E-05
offsite	589614.99	4139664.85	0.08683	0.07548	0.13936	0.03277	9.35742E-05	Residential	3.24E-08	9.78E-08	5.66E-08	5.13E-08	2.34E-08	2.09E-08	1.3E-09	3.1E-08	0.0E+00	3.4E-08	0.0E+00	1.8E-08	8.36E-08	0	1.87E-05
offsite	591214.99	4139664.85	0.58037	0.36139	0.60406	0.08895	0.000372625	Residential	1.29E-07	3.89E-07	2.25E-07	2.04E-07	9.33E-08	8.33E-08	5.1E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	7.1E-08	3.33E-07	0	7.45E-05
offsite	591314.99	4139664.85	0.57137	0.44395	0.53614	0.09409	0.000375017	Residential	1.30E-07	3.92E-07	2.27E-07	2.06E-07	9.39E-08	8.38E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.1E-08	3.35E-07	0	7.50E-05
offsite	591414.99	4139664.85	0.55629	0.56124	0.48089	0.099	0.000383052	Residential	1.33E-07	4.00E-07	2.32E-07	2.10E-07	9.59E-08	8.56E-08	5.2E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.3E-08	3.42E-07	0	7.66E-05
offsite	591514.99	4139664.85	0.53851	0.73625	0.4347	0.10375	0.000399558	Residential	1.38E-07	4.18E-07	2.42E-07	2.19E-07	1.00E-07	8.93E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.6E-08	3.57E-07	0	7.99E-05

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhalation: 3rd trimester	0<2	2<9	2<16	16<30	16-70	Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year): rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	591614.99	4139664.85	0.51888	1.02267	0.39565	0.10825	0.000430981	Residential	1.49E-07	4.50E-07	2.61E-07	2.36E-07	1.08E-07	9.63E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.2E-08	3.85E-07	0	8.62E-05
offsite	591714.99	4139664.85	0.49898	1.57465	0.36206	0.11254	0.000496841	Residential	1.72E-07	5.19E-07	3.01E-07	2.73E-07	1.24E-07	1.11E-07	6.8E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.4E-08	4.44E-07	0	9.94E-05
offsite	591814.99	4139664.85	0.47949	3.18106	0.33286	0.11662	0.000697078	Residential	2.41E-07	7.29E-07	4.22E-07	3.82E-07	1.74E-07	1.56E-07	9.5E-09	2.3E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.23E-07	1	1.39E-04
offsite	592014.99	4139664.85	0.44299	3.56393	0.28467	0.12402	0.000740068	Residential	2.56E-07	7.74E-07	4.48E-07	4.06E-07	1.85E-07	1.65E-07	1.0E-08	2.4E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.61E-07	1	1.48E-04
offsite	592114.99	4139664.85	0.42593	1.89014	0.26454	0.12729	0.000525422	Residential	1.82E-07	5.49E-07	3.18E-07	2.88E-07	1.31E-07	1.17E-07	7.1E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.70E-07	0	1.05E-04
offsite	592214.99	4139664.85	0.40944	1.26725	0.24655	0.1302	0.000444092	Residential	1.54E-07	4.64E-07	2.69E-07	2.44E-07	1.11E-07	9.92E-08	6.0E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.4E-08	3.97E-07	0	8.88E-05
offsite	592314.99	4139664.85	0.39329	0.94302	0.23039	0.13278	0.00040062	Residential	1.39E-07	4.19E-07	2.42E-07	2.20E-07	1.00E-07	8.95E-08	5.4E-09	1.3E-07	0.0E+00	1.5E-07	0.0E+00	7.6E-08	3.58E-07	0	8.01E-05
offsite	592414.99	4139664.85	0.37724	0.74557	0.21578	0.13511	0.00037322	Residential	1.29E-07	3.90E-07	2.26E-07	2.05E-07	9.34E-08	8.34E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.1E-08	3.34E-07	0	7.46E-05
offsite	592514.99	4139664.85	0.36133	0.61259	0.20258	0.13709	0.000353838	Residential	1.22E-07	3.70E-07	2.14E-07	1.94E-07	8.86E-08	7.91E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.16E-07	0	7.08E-05
offsite	592614.99	4139664.85	0.34535	0.51692	0.19057	0.13881	0.000339072	Residential	1.17E-07	3.54E-07	2.05E-07	1.86E-07	8.49E-08	7.58E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.4E-08	3.03E-07	0	6.78E-05
offsite	592714.99	4139664.85	0.32938	0.44514	0.17962	0.14017	0.000327074	Residential	1.13E-07	3.42E-07	1.98E-07	1.79E-07	8.19E-08	7.31E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.92E-07	0	6.54E-05
offsite	592814.99	4139664.85	0.31351	0.38961	0.16963	0.14107	0.000316741	Residential	1.10E-07	3.31E-07	1.92E-07	1.74E-07	7.93E-08	7.08E-08	4.3E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	6.0E-08	2.83E-07	0	6.33E-05
offsite	589514.99	4139764.85	0.09582	0.07825	0.15053	0.03278	9.75556E-05	Residential	3.38E-08	1.02E-07	5.90E-08	5.35E-08	2.44E-08	2.18E-08	1.3E-09	3.2E-08	0.0E+00	3.5E-08	0.0E+00	1.8E-08	8.72E-08	0	1.95E-05
offsite	589614.99	4139764.85	0.10237	0.08224	0.17185	0.03411	0.000105034	Residential	3.64E-08	1.10E-07	6.36E-08	5.76E-08	2.63E-08	2.35E-08	1.4E-09	3.5E-08	0.0E+00	3.8E-08	0.0E+00	2.0E-08	9.39E-08	0	2.10E-05
offsite	591414.99	4139764.85	0.67207	0.67468	0.50088	0.1084	0.00043191	Residential	1.50E-07	4.51E-07	2.61E-07	2.37E-07	1.08E-07	9.65E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.2E-08	3.86E-07	0	8.64E-05
offsite	591514.99	4139764.85	0.63817	0.90226	0.45	0.11346	0.000452024	Residential	1.56E-07	4.72E-07	2.74E-07	2.48E-07	1.13E-07	1.01E-07	6.1E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.04E-07	0	9.04E-05
offsite	591614.99	4139764.85	0.6052	1.30349	0.40746	0.11818	0.000495506	Residential	1.72E-07	5.18E-07	3.00E-07	2.72E-07	1.24E-07	1.11E-07	6.7E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.4E-08	4.43E-07	0	9.91E-05
offsite	591714.99	4139764.85	0.57439	2.2152	0.37103	0.12266	0.000604958	Residential	2.09E-07	6.32E-07	3.66E-07	3.32E-07	1.51E-07	1.35E-07	8.2E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.1E-07	5.41E-07	1	1.21E-04
offsite	591814.99	4139764.85	0.54589	7.38882	0.33968	0.12683	0.001255861	Residential	4.35E-07	1.31E-06	7.60E-07	6.89E-07	3.14E-07	2.81E-07	1.7E-08	4.1E-07	0.0E+00	4.5E-07	0.0E+00	2.4E-07	1.12E-06	1	2.51E-04
offsite	591914.99	4139764.85	0.51974	5.9888	0.3123	0.13075	0.001073925	Residential	3.72E-07	1.12E-06	6.50E-07	5.89E-07	2.69E-07	2.40E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.60E-07	1	2.15E-04
offsite	592014.99	4139764.85	0.49566	2.42979	0.28829	0.13435	0.000618758	Residential	2.14E-07	6.47E-07	3.74E-07	3.39E-07	1.55E-07	1.38E-07	8.4E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.53E-07	1	1.24E-04
offsite	592114.99	4139764.85	0.47322	1.51524	0.26706	0.13756	0.000499256	Residential	1.73E-07	5.22E-07	3.02E-07	2.74E-07	1.25E-07	1.12E-07	6.8E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.5E-08	4.46E-07	0	9.99E-05
offsite	592214.99	4139764.85	0.45193	1.08677	0.24817	0.14039	0.000441544	Residential	1.53E-07	4.62E-07	2.67E-07	2.42E-07	1.11E-07	9.87E-08	6.0E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.4E-08	3.95E-07	0	8.83E-05
offsite	592314.99	4139764.85	0.43135	0.83996	0.23128	0.14287	0.000406918	Residential	1.41E-07	4.25E-07	2.46E-07	2.23E-07	1.02E-07	9.09E-08	5.5E-09	1.3E-07	0.0E+00	1.5E-07	0.0E+00	7.7E-08	3.64E-07	0	8.14E-05
offsite	592414.99	4139764.85	0.41119	0.67992	0.2161	0.14504	0.000383293	Residential	1.33E-07	4.01E-07	2.32E-07	2.10E-07	9.59E-08	8.56E-08	5.2E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.3E-08	3.43E-07	0	7.67E-05
offsite	592514.99	4139764.85	0.39133	0.56762	0.2024	0.14686	0.000365604	Residential	1.27E-07	3.82E-07	2.21E-07	2.01E-07	9.15E-08	8.17E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.9E-08	3.27E-07	0	7.31E-05
offsite	592614.99	4139764.85	0.37163	0.48444	0.19003	0.14838	0.000351503	Residential	1.22E-07	3.67E-07	2.13E-07	1.93E-07	8.80E-08	7.85E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.14E-07	0	7.03E-05
offsite	592714.99	4139764.85	0.35216	0.42068	0.17881	0.14948	0.000339579	Residential	1.18E-07	3.55E-07	2.05E-07	1.86E-07	8.50E-08	7.59E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.4E-08	3.03E-07	0	6.79E-05
offsite	592814.99	4139764.85	0.33299	0.37051	0.16858	0.15014	0.000329044	Residential	1.14E-07	3.44E-07	1.99E-07	1.80E-07	8.24E-08	7.35E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.94E-07	0	6.58E-05
offsite	589514.99	4139864.85	0.11317	0.08502	0.18257	0.03417	0.000109279	Residential	3.78E-08	1.14E-07	6.61E-08	5.99E-08	2.73E-08	2.44E-08	1.5E-09	3.6E-08	0.0E+00	4.0E-08	0.0E+00	2.1E-08	9.77E-08	0	2.19E-05
offsite	589614.99	4139864.85	0.12303	0.08959	0.21227	0.0356	0.000119134	Residential	4.12E-08	1.25E-07	7.21E-08	6.53E-08	2.98E-08	2.66E-08	1.6E-09	3.9E-08	0.0E+00	4.3E-08	0.0E+00	2.3E-08	1.06E-07	0	2.38E-05
offsite	591514.99	4139864.85	0.76151	1.11472	0.46227	0.12462	0.000515411	Residential	1.78E-07	5.39E-07	3.12E-07	2.83E-07	1.29E-07	1.15E-07	7.0E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.8E-08	4.61E-07	0	1.03E-04
offsite	591614.99	4139864.85	0.71013	1.71553	0.41662	0.12958	0.000581005	Residential	2.01E-07	6.07E-07	3.52E-07	3.19E-07	1.45E-07	1.30E-07	7.9E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.19E-07	1	1.16E-04
offsite	591714.99	4139864.85	0.66474	3.59784	0.37781	0.13417	0.000810926	Residential	2.81E-07	8.48E-07	4.91E-07	4.45E-07	2.03E-07	1.81E-07	1.1E-08	2.7E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.25E-07	1	1.62E-04
offsite	591914.99	4139864.85	0.5892	3.32697	0.31567	0.14233	0.000763105	Residential	2.64E-07	7.98E-07	4.62E-07	4.19E-07	1.91E-07	1.70E-07	1.0E-08	2.5E-07	0.0E+00	2.8E-07	0.0E+00	1.4E-07	6.82E-07	1	1.53E-04
offsite	592014.99	4139864.85	0.55739	1.85005	0.29046	0.14586	0.000570442	Residential	1.97E-07	5.96E-07	3.45E-07	3.13E-07	1.43E-07	1.27E-07	7.8E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.10E-07	1	1.14E-04
offsite	592114.99	4139864.85	0.52827	1.26517	0.26827	0.14899	0.000491403	Residential	1.70E-07	5.14E-07	2.97E-07	2.70E-07	1.23E-07	1.10E-07	6.7E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.3E-08	4.39E-07	0	9.83E-05
offsite	592214.99	4139864.85	0.50094	0.95146	0.24861	0.15171	0.000446997	Residential	1.55E-07	4.67E-07	2.70E-07	2.45E-07	1.12E-07	9.99E-08	6.1E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.5E-08	3.99E-07	0	8.94E-05
offsite	592314.99	4139864.85	0.47483	0.75653	0.23112	0.15402	0.000417739	Residential	1.45E-07	4.37E-07	2.53E-07	2.29E-07	1.05E-07	9.33E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	7.9E-08	3.73E-07	0	8.35E-05
offsite	592414.99	4139864.85	0.44946	0.62384	0.21547	0.156	0.000396421	Residential	1.37E-07	4.14E-07	2.40E-07	2.17E-07	9.92E-08	8.86E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.5E-08	3.54E-07	0	7.93E-05
offsite	592514.99	4139864.85	0.42468	0.52763	0.20143	0.15762	0.000379669	Residential	1.31E-07	3.97E-07	2.30E-07	2.08E-07	9.50E-08	8.48E-08	5.2E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.39E-07	0	7.59E-05
offsite	592614.99	4139864.85	0.40042	0.4547	0.18877	0.15884	0.0003657	Residential	1.27E-07	3.82E-07	2.21E-07	2.01E-07	9.15E-08	8.17E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.9E-08	3.27E-07	0	7.31E-05
offsite	592714.99	4139864.85	0.37668	0.39772	0.17733	0.15962	0.000353501	Residential	1.22E-07	3.69E-07	2.14E-07	1.94E-07	8.85E-08	7.90E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.16E-07	0	7.07E-05
offsite	592814.99	4139864.85	0.35358	0.35228	0.16694	0.15988	0.000342392	Residential	1.19E-07	3.58E-07	2.07E-07	1.88E-07	8.57E-08	7.65E-08	4.7E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.06E-07	0	6.85E-05
offsite	589514.99	4139964.85	0.1355	0.09241	0.21998	0.03578	0.000123211	Residential	4.27E-08	1.29E-07	7.46E-08	6.76E-08	3.08E-08	2.75E-08	1.7E-09	4.0E-08	0.0E+00	4.5E-08	0.0E+00	2.3E-08	1.10E-07	0	2.46E-05
offsite	589614.99	4139964.85	0.15049	0.09759	0.2593	0.03731	0.000135978	Residential	4.71E-08	1.42E-07	8.23E-08	7.46E-08	3.40E-08	3.04E-08	1.8E-09	4.5E-08	0.0E+00	4.9E-08	0.0E+00	2.6E-08	1.22E-07	0	2.72E-05
offsite	591714.99	4139964.85	0.77659	9.94221	0.38237	0.14732	0.001651232	Residential	5.72E-07	1.73E-06	9.99E-07	9.06E-07	4.13E-07	3.69E-07	2.2E-08	5.4E-07	0.0E+00	6.0E-07	0.0E+00	3.1E-07	1.48E-06	1	3.30E-04
offsite	591814.99	4139964.85	0.72109	5.2517	0.34746	0.15156	0.001046309	Residential	3.62E-07	1.09E-06	6.33E-07	5.74E-07	2.62E-07	2.34E-07	1.4E-08	3.4E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.35E-07	1	2.09E-04
offsite	591914.99	4139964.85	0.67343	2.33495	0.31735	0.15538	0.000667965	Residential	2.31E-07	6.98E-07	4.04E-07	3.66E-07	1.67E-07	1.49E-07	9.1E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	5.97E-07	1	1.34E-04
offsite	592014.99	4139964.85	0.63162	1.49386	0.29113	0.15879	0.000554007	Residential	1.92E-07	5.79E-07	3.35E-07	3.04E-07	1.39E-07	1.24E-07	7.5E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.1E-07	4.95E-07	0	1.11E-04
offsite	592114.99	4139964.85	0.59386	1.08577	0.26816	0.16176	0.000495664	Residential	1.72E-07	5.18E-07	3.00E-07	2.72E-07	1.24E-07	1.11E-07	6.7E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.4E-08	4.43E-07	0	9.91E-05
offsite	592214.99	4139964.85	0.55875	0.84546	0.24789	0.16425	0.000458921	Residential	1.59E-07	4.80E-07	2.78E-07	2.52E-07	1.15E-07	1.03E-07	6.2E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.7E-08	4.10E-07	0	9.18E-05
offsite	592314.99	4139964.85	0.52528	0.6871	0.22992	0.16635	0.000432772	Residential	1.50E-07	4.52E-07	2.62E-07	2.37E-07	1.08E-07	9.67E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.2E-08	3.87E-07	0	8.66E-05
offsite	592414.99	4139964.85	0.49319	0.57518	0.21392	0.16804	0.000412581	Residential	1.43E-07	4.31E-07	2.50E-07	2.26E-07	1.03E-07	9.22E-08	5.6E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	7.8E-08	3.69E-07	0	8.25E-05
offsite	592514.99	4139964.85	0.46207	0.49174	0.19962	0.16939	0.000396046	Residential	1.37E-07	4.14E-07	2.40E-07	2.17E-07	9.91E-08	8.85E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.5E-08	3.54E-07	0	7.92E-05
offsite	592614.99	4139964.85	0.43204	0.4273	0.18678	0.17026	0.000381751	Residential	1.32E-07	3.99E-07	2.31E-07	2.09E-07	9.55E-08	8.53E-08	5.2E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.41E-07	0	7.64E-05
offsite	592714.99	4139964.85	0.40301	0.37616	0.17518	0.17059	0.000368839	Residential	1.28E-07	3.86E-07	2.23E-07	2.02E-07	9.23E-08	8.24E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	7.0E-08	3.30E-07	0	7.38E-05
offsite	592814.99	4139964.85	0.37521	0.3348	0.16477	0.17046	0.000356994	Residential	1.24E-07	3.73E-07	2.16E-07	1.96E-07	8.93E-08	7.98E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.8E-08	3.19E-07	0	7.14E-05
offsite	589514.99	4140064.85	0.16336	0.10044	0.26147	0.03763	0.000139213	Residential	4.82E-08	1.46E-07	8.42E-08	7.64E-08	3.48E-08	3.11E-08	1.9E-09	4.6E-08	0.0E+00	5.0E-08	0.0E+00	2.6E-08	1.24E-07	0	2.78E-05
offsite	589614.99	4140064.85	0.18576	0.10626	0.31074	0.03927	0.000155333	Residential	5.38E-08	1.62E-07	9.40E-08	8.52E-08	3.89E-08	3.47E-08	2.1E-09	5.1E-08	0.0E+00	5.6E-08	0.0E+00	2.9E-08	1.39E-07	0	3.11E-05
offsite	591714.99	4140064.85	0.92158	13.8534	0.3848	0.16235	0.002190222	Residential	7.58E-07	2.29E-06	1.33E-06	1.20E-06	5.48E-07	4.89E-07	3.0E-08	7.2E-07	0.0E+00	7.9E-07	0.0E+00	4.2E-07	1.96E-06	2	4.38E-04
offsite	591814.99	4140064.85	0.84405	3.115	0.34854	0.16643	0.000814365	Residential	2.82E-07	8.51E-07	4.93E-07	4.47E-07	2.04E-07	1.82E-07	1.1E-08	2.7E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.28E-07	1	1.63E-04
offsite	591914.99	4140064.85	0.77957	1.79925	0.31737	0.17008	0.000635978	Residential	2.20E-07	6.65E-07	3.85E-07	3.49E-07	1.59E-07	1.42E-07	8.6E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.68E-07	1	1.27E-04
offsite	592014.99	4140064.85	0.72404	1.25157	0.29034	0.17327	0.000556621	Residential	1.93E-07	5.82E-07	3.37E-07	3.05E-07	1.39E-07	1.24E-07	7.6E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.1E-07	4.97E-07	0	1.11E-04
offsite	592114.99	4140064.85	0.6743	0.95021	0.26674	0.17598	0.000509463	Residential	1.76E-07	5.32E-07	3.08E-07	2.79E-07	1.28E-07	1.14E-07	6.9E-09	1.7E-07	0.0E+00	1.8E-07	0.0E+00	9.7E-08	4.55E-07	0	1.02E-04
offsite	592214.99	4140064.85	0.62831	0.75962	0.24601	0.17818	0.000476841	Residential	1.65E-07	4.98E-07	2.89E-07	2.62E-07	1.19E-07	1.07E-07	6.5E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.0E-08	4.26E-07	0	9.54E-05
offsite	592314.99	4140064.85	0.58486	0.62819	0.22772	0.17994	0.000452028	Residential	1.56E-07	4.72E-07	2.74E-07	2.48E-07	1.13E-07	1.01E-07	6.1E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.04E-07	0	9.04E-05
offsite	592414.99	4140064.85	0.54354	0.5323	0.21148	0.18128	0.000431912	Residential	1.50E-07	4.51E-07	2.61E-07	2.37E-07	1.08E-07	9.65E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.2E-08	3.86E-07	0	8.64E-05
offsite	592514.99	4140064.85	0.50417	0.45931	0.19704	0.18223	0.000414851	Residential	1.44E-07	4.34E-07	2.51E-07	2.28E-07	1.04E-07	9.27E-08	5.6E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	7.9E-08	3.71E-07	0	8.30E-05
offsite	592614.99	4140064.85	0.46672	0.40195	0.18409	0.18266	0.000399689	Residential	1.38E-07	4.18E-07	2.42E-07	2.19E-07	1.00E-07	8.93E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.6E-08	3.57E-07	0	7.99E-05
offsite	592714.99	4140064.85	0.43127	0.35558	0.17246	0.18268	0.000385959	Residential	1.34E-07	4.03E-07	2.34E-07	2.12E-07	9.66E-08	8.62E-08	5.2E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.3E-08	3.45E-07	0	7.72E-05
offsite	592814.99	4140064.85	0.39774	0.31796	0.16203	0.18192	0.000372857	Residential	1.29E-07	3.90E-07	2.26E-07	2.05E-07	9.33E-08	8.33E-08	5.1E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	7.1E-08	3.33E-07	0	7.46E-05
offsite	591714.99	4140164.85	1.12207	4.67306	0.38497	0.17955	0.001080088	Residential	3.74E-07	1.13E-06	6.54E-07	5.92E-07	2.70E-07	2.41E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.65E-07	1	2.16E-04
offsite	591814.99	4140164.85	1.01002	2.23709	0.3476	0.18333	0.000751091	Residential	2.60E-07	7.85E-07	4.54E-07	4.12E-07	1.88E-07	1.68E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.71E-07	1	1.50E-04
offsite	591914.99	4140164.85	0.92013	1.4641	0.31567	0.18667	0.000636979	Residential	2.20E-07	6.66E-07	3.85E-07	3.49E-07	1.59E-07	1.42E-07	8.7E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.69E-07	1	1.27E-04
offsite	592014.99	4140164.85	0.8445	1.07664	0.28798	0.18945	0.000574109	Residential	1.99E-07	6.00E-07	3.47E-07	3.15E-07	1.44E-07	1.28E-07	7.8E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.13E-07	1	1.15E-04
offsite	592114.99	4140164.85	0.77651	0.84378	0.26401	0.19181	0.000532233	Residential	1.84E-07	5.56E-07	3.22E-07	2.92E-07	1.33E-07	1.19E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.76E-07	0	1.06E-04
offsite	592214.99	4140164.85	0.71389	0.68812	0.24302	0.19364	0.000500887	Residential	1.73E-07	5.24E-07	3.03E-07	2.75E-07	1.25E-07	1.12E-07	6.8E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.5E-08	4.48E-07	0	1.00E-04
offsite	592314.99	4140164.85	0.65581	0.57702	0.22455	0.19498	0.000475762	Residential	1.65E-07	4.97E-07	2.88E-07	2.61E-07	1.19E-07	1.06E-07	6.5E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.0E-08	4.25E-07	0	9.52E-05
offsite	592414.99	4140164.85	0.60173	0.49396	0.20822	0.19588	0.00045467	Residential	1.57E-07	4.75E-07	2.75E-07	2.49E-07	1.14E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.06E-07	0	9.09E-05
offsite	592514.99	4140164.85	0.5514	0.42961	0.1937	0.19631	0.000436283	Residential	1.51E-07	4.56E-07	2.64E-07	2.39E-07	1.09E-07	9.75E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.3E-08	3.90E-07	0	8.73E-05
offsite	592614.99	4140164.85	0.50465	0.37826	0.18081	0.19625	0.000419788	Residential	1.45E-07	4.39E-07	2.54E-07	2.30E-07	1.05E-07	9.38E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.0E-08	3.75E-07	0	8.40E-05
offsite	592714.99	4140164.85	0.46122	0.33638	0.16924	0.19562	0.000404533	Residential	1.40E-07	4.23E-07	2.45E-07	2.22E-07	1.01E-07	9.04E-08	5.5E-09	1.3E-07	0.0E+00	1.5E-07	0.0E+00	7.7E-08	3.62E-07	0	8.09E-05
offsite	592814.99	4140164.85	0.42083	0.30187	0.15885	0.19425	0.000389955	Residential	1.35E-07	4.08E-07	2.36E-07	2.14E-07	9.76E-08	8.71E-08	5.3E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.4E-08	3.48E-07	0	7.80E-05
park	591314.99	4140264.85	3.71116	1.26672	0.62519	0.17734	0.001100348	Parks/Paths	0.00E+00	3.92E-08	2.09E-08	1.70E-08	7.84E-09	7.51E-09	0.0E+00	1.2E-08	6.9E-09	0.0E+00	7.4E-10	0.0E+00	2.00E-08	0	2.20E-04
park	591414.99	4140264.85	2.61034	1.98131	0.54596	0.18428	0.001011048	Parks/Paths	0.00E+00	3.60E-08	1.92E-08	1.56E-08	7.20E-09	6.90E-09	0.0E+00	1.1E-08	6.3E-09	0.0E+00	6.8E-10	0.0E+00	1.83E-08	0	2.02E-04
offsite	591614.99	4140264.85	1.66859	9.94362	0.42775	0.19514	0.001863401	Residential	6.45E-07	1.95E-06	1.13E-06	1.02E-06	4.66E-07	4.16E-07	2.5E-08	6.1E-07	0.0E+00	6.7E-07	0.0E+00	3.5E-07	1.67E-06	2	3.73E-04
offsite	591714.99	4140264.85	1.42631	2.92379	0.38285	0.19924	0.000931504	Residential	3.22E-07	9.74E-07	5.64E-07	5.11E-07	2.33E-07	2.08E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.32E-07	1	1.86E-04
offsite	591814.99	4140264.85	1.25238	1.74602	0.34475	0.20256	0.00075158	Residential	2.60E-07	7.86E-07	4.55E-07	4.12E-07	1.88E-07	1.68E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.72E-07	1	1.50E-04
park	591914.99	4140264.85	1.11874	1.23198	0.31227	0.20539	0.000662641	Parks/Paths	0.00E+00	2.36E-08	1.26E-08	1.02E-08	4.72E-09	4.52E-09	0.0E+00	7.4E-09	4.2E-09	0.0E+00	4.5E-10	0.0E+00	1.20E-08	0	1.33E-04
offsite	592014.99	4140264.85	1.00858	0.94259	0.28416	0.20761	0.000605955	Residential	2.10E-07	6.33E-07	3.67E-07	3.32E-07	1.52E-07	1.35E-07	8.2E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.1E-07	5.42E-07	1	1.21E-04

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhallation: 3rd trimester	0<2	2<9	2<16	16<30	16-70	Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year): rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592114.99	4140264.85	0.91008	0.75671	0.26006	0.20953	0.000564629	Residential	1.95E-07	5.90E-07	3.42E-07	3.10E-07	1.41E-07	1.26E-07	7.7E-09	1.9E-07	0.0E+00	2.0E-07	0.0E+00	1.1E-07	5.05E-07	1	1.13E-04
offsite	592214.99	4140264.85	0.82132	0.6272	0.23894	0.2108	0.000531724	Residential	1.84E-07	5.56E-07	3.22E-07	2.92E-07	1.33E-07	1.19E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.75E-07	0	1.06E-04
offsite	592314.99	4140264.85	0.74101	0.53202	0.22043	0.21159	0.00050439	Residential	1.75E-07	5.27E-07	3.05E-07	2.77E-07	1.26E-07	1.13E-07	6.9E-09	1.7E-07	0.0E+00	1.8E-07	0.0E+00	9.6E-08	4.51E-07	0	1.01E-04
offsite	592414.99	4140264.85	0.66892	0.45938	0.20411	0.21192	0.000481038	Residential	1.67E-07	5.03E-07	2.91E-07	2.64E-07	1.20E-07	1.07E-07	6.5E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.1E-08	4.30E-07	0	9.62E-05
offsite	592514.99	4140264.85	0.60439	0.40219	0.18973	0.21182	0.000460657	Residential	1.59E-07	4.81E-07	2.79E-07	2.53E-07	1.15E-07	1.03E-07	6.3E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.7E-08	4.12E-07	0	9.21E-05
offsite	592614.99	4140264.85	0.54602	0.35602	0.17696	0.21112	0.000442176	Residential	1.53E-07	4.62E-07	2.68E-07	2.43E-07	1.11E-07	9.88E-08	6.0E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.4E-08	3.95E-07	0	8.84E-05
path	592714.99	4140264.85	0.49279	0.31798	0.1655	0.20976	0.00042493	Parks/Paths	0.00E+00	1.51E-08	8.07E-09	6.56E-09	3.03E-09	2.90E-09	0.0E+00	4.8E-09	2.7E-09	0.0E+00	2.9E-10	0.0E+00	7.71E-09	0	8.50E-05
path	592814.99	4140264.85	0.44411	0.28653	0.15534	0.20749	0.000408303	Parks/Paths	0.00E+00	1.45E-08	7.76E-09	6.30E-09	2.91E-09	2.79E-09	0.0E+00	4.6E-09	2.6E-09	0.0E+00	2.7E-10	0.0E+00	7.40E-09	0	8.17E-05
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.000993883	Residential	3.44E-07	1.04E-06	6.01E-07	5.45E-07	2.49E-07	2.22E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.88E-07	1	1.99E-04
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.001097028	Residential	3.80E-07	1.15E-06	6.64E-07	6.02E-07	2.75E-07	2.45E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.80E-07	1	2.19E-04
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.00135296	Residential	4.68E-07	1.41E-06	8.19E-07	7.42E-07	3.39E-07	3.02E-07	1.8E-08	4.4E-07	0.0E+00	4.9E-07	0.0E+00	2.6E-07	1.21E-06	1	2.71E-04
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.002321233	Residential	8.04E-07	2.43E-06	1.40E-06	1.27E-06	5.81E-07	5.19E-07	3.2E-08	7.6E-07	0.0E+00	8.4E-07	0.0E+00	4.4E-07	2.07E-06	2	4.64E-04
park	591414.99	4140364.85	5.41692	2.89298	0.54444	0.20822	0.001599743	Parks/Paths	0.00E+00	5.70E-08	3.04E-08	2.47E-08	1.14E-08	1.09E-08	0.0E+00	1.8E-08	1.0E-08	0.0E+00	1.1E-09	0.0E+00	2.90E-08	0	3.20E-04
offsite	591614.99	4140364.85	2.4506	4.22363	0.42399	0.21825	0.001290657	Residential	4.47E-07	1.35E-06	7.81E-07	7.08E-07	3.23E-07	2.88E-07	1.8E-08	4.2E-07	0.0E+00	4.7E-07	0.0E+00	2.4E-07	1.15E-06	1	2.58E-04
school	591714.99	4140364.85	1.96167	2.14283	0.37841	0.22174	0.000945344	School	0.00E+00	1.40E-07	7.46E-08	6.06E-08	2.80E-08	2.68E-08	0.0E+00	0.0E+00	2.5E-08	5.7E-09	0.0E+00	0.0E+00	3.03E-08	0	1.89E-04
school	591814.99	4140364.85	1.65135	1.42893	0.33983	0.22438	0.00080178	School	0.00E+00	1.19E-07	6.33E-08	5.14E-08	2.37E-08	2.27E-08	0.0E+00	0.0E+00	2.1E-08	4.8E-09	0.0E+00	0.0E+00	2.57E-08	0	1.60E-04
school	591914.99	4140364.85	1.42828	1.06106	0.30709	0.22649	0.0007163	School	0.00E+00	1.06E-07	5.65E-08	4.59E-08	2.12E-08	2.03E-08	0.0E+00	0.0E+00	1.9E-08	4.3E-09	0.0E+00	0.0E+00	2.30E-08	0	1.43E-04
offsite	592014.99	4140364.85	1.24904	0.83606	0.27898	0.22808	0.000656074	Residential	2.27E-07	6.86E-07	3.97E-07	3.60E-07	1.64E-07	1.47E-07	8.9E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.2E-07	5.86E-07	1	1.31E-04
offsite	592114.99	4140364.85	1.09253	0.68386	0.25469	0.22916	0.000608747	Residential	2.11E-07	6.36E-07	3.68E-07	3.34E-07	1.52E-07	1.36E-07	8.3E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.44E-07	1	1.22E-04
offsite	592214.99	4140364.85	0.95749	0.57429	0.23375	0.22984	0.000570344	Residential	1.97E-07	5.96E-07	3.45E-07	3.13E-07	1.43E-07	1.27E-07	7.8E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.10E-07	1	1.14E-04
offsite	592314.99	4140364.85	0.84282	0.49179	0.21533	0.22993	0.000538308	Residential	1.86E-07	5.63E-07	3.26E-07	2.95E-07	1.35E-07	1.20E-07	7.3E-09	1.8E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.81E-07	0	1.08E-04
offsite	592414.99	4140364.85	0.74664	0.42777	0.19931	0.2297	0.000511582	Residential	1.77E-07	5.35E-07	3.10E-07	2.81E-07	1.28E-07	1.14E-07	7.0E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.7E-08	4.57E-07	0	1.02E-04
offsite	592514.99	4140364.85	0.66397	0.37671	0.18514	0.22888	0.000488221	Residential	1.69E-07	5.10E-07	2.95E-07	2.68E-07	1.22E-07	1.09E-07	6.6E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.3E-08	4.36E-07	0	9.76E-05
offsite	592614.99	4140364.85	0.59118	0.33511	0.17259	0.22737	0.000467032	Residential	1.62E-07	4.88E-07	2.83E-07	2.56E-07	1.17E-07	1.04E-07	6.4E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.9E-08	4.17E-07	0	9.34E-05
path	592714.99	4140364.85	0.52588	0.30063	0.16139	0.225	0.000447067	Parks/Paths	0.00E+00	1.59E-08	8.49E-09	6.90E-09	3.18E-09	3.05E-09	0.0E+00	5.0E-09	2.8E-09	0.0E+00	3.0E-10	0.0E+00	8.11E-09	0	8.94E-05
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.000912965	Residential	3.16E-07	9.54E-07	5.52E-07	5.01E-07	2.28E-07	2.04E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.16E-07	1	1.83E-04
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.000908006	Residential	3.14E-07	9.49E-07	5.49E-07	4.98E-07	2.27E-07	2.03E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.11E-07	1	1.82E-04
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.000944711	Residential	3.27E-07	9.87E-07	5.72E-07	5.18E-07	2.36E-07	2.11E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.44E-07	1	1.89E-04
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.001045029	Residential	3.62E-07	1.09E-06	6.32E-07	5.73E-07	2.62E-07	2.33E-07	1.4E-08	3.4E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.34E-07	1	2.09E-04
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.001226345	Residential	4.25E-07	1.28E-06	7.42E-07	6.73E-07	3.07E-07	2.74E-07	1.7E-08	4.0E-07	0.0E+00	4.4E-07	0.0E+00	2.3E-07	1.10E-06	1	2.45E-04
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.001634366	Residential	5.66E-07	1.71E-06	9.89E-07	8.96E-07	4.09E-07	3.65E-07	2.2E-08	5.4E-07	0.0E+00	5.9E-07	0.0E+00	3.1E-07	1.46E-06	1	3.27E-04
offsite	591514.99	4140464.85	11.9602	7.63164	0.47473	0.24289	0.003262938	Residential	1.13E-06	3.41E-06	1.97E-06	1.79E-06	8.17E-07	7.29E-07	4.4E-08	1.1E-06	0.0E+00	1.2E-06	0.0E+00	6.2E-07	2.92E-06	3	6.53E-04
offsite	591614.99	4140464.85	4.79699	2.755	0.41739	0.24482	0.001507439	Residential	5.22E-07	1.58E-06	9.12E-07	8.27E-07	3.77E-07	3.37E-07	2.1E-08	5.0E-07	0.0E+00	5.5E-07	0.0E+00	2.9E-07	1.35E-06	1	3.01E-04
offsite	591714.99	4140464.85	3.21746	1.68904	0.37142	0.24733	0.001117688	Residential	3.87E-07	1.17E-06	6.76E-07	6.13E-07	2.80E-07	2.50E-07	1.5E-08	3.7E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.99E-07	1	2.24E-04
school	591814.99	4140464.85	2.45836	1.20613	0.33287	0.24912	0.000931625	School	0.00E+00	1.38E-07	7.35E-08	5.97E-08	2.76E-08	2.64E-08	0.0E+00	0.0E+00	2.4E-08	5.6E-09	0.0E+00	0.0E+00	2.99E-08	0	1.86E-04
offsite	591914.99	4140464.85	1.986	0.92893	0.3001	0.25022	0.000817051	Residential	2.83E-07	8.54E-07	4.94E-07	4.48E-07	2.04E-07	1.83E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.5E-07	7.30E-07	1	1.63E-04
offsite	592014.99	4140464.85	1.63071	0.74846	0.27223	0.25096	0.000733679	Residential	2.54E-07	7.67E-07	4.44E-07	4.02E-07	1.84E-07	1.64E-07	1.0E-08	2.4E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.56E-07	1	1.47E-04
offsite	592114.99	4140464.85	1.34734	0.62145	0.24827	0.25126	0.000668609	Residential	2.31E-07	6.99E-07	4.05E-07	3.67E-07	1.67E-07	1.49E-07	9.1E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	5.98E-07	1	1.34E-04
offsite	592214.99	4140464.85	1.12997	0.52748	0.22756	0.25109	0.000618151	Residential	2.14E-07	6.46E-07	3.74E-07	3.39E-07	1.55E-07	1.38E-07	8.4E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.52E-07	1	1.24E-04
offsite	592314.99	4140464.85	0.96534	0.4554	0.20953	0.25045	0.000578689	Residential	2.00E-07	6.05E-07	3.50E-07	3.17E-07	1.45E-07	1.29E-07	7.9E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.17E-07	1	1.16E-04
offsite	592414.99	4140464.85	0.83775	0.39864	0.19389	0.24947	0.00054703	Residential	1.89E-07	5.72E-07	3.31E-07	3.00E-07	1.37E-07	1.22E-07	7.4E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.0E-07	4.89E-07	0	1.09E-04
offsite	592514.99	4140464.85	0.73267	0.35289	0.17999	0.24775	0.000519689	Residential	1.80E-07	5.43E-07	3.14E-07	2.85E-07	1.30E-07	1.16E-07	7.1E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.9E-08	4.64E-07	0	1.04E-04
path	592614.99	4140464.85	0.64175	0.31531	0.16782	0.24532	0.000495025	Parks/Paths	0.00E+00	1.76E-08	9.40E-09	7.64E-09	3.53E-09	3.38E-09	0.0E+00	5.5E-09	3.1E-09	0.0E+00	3.3E-10	0.0E+00	8.98E-09	0	9.90E-05
path	592714.99	4140464.85	0.56081	0.28388	0.15696	0.24196	0.000471756	Parks/Paths	0.00E+00	1.68E-08	8.96E-09	7.28E-09	3.36E-09	3.22E-09	0.0E+00	5.3E-09	3.0E-09	0.0E+00	3.2E-10	0.0E+00	8.55E-09	0	9.44E-05
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.001236022	Residential	4.28E-07	1.29E-06	7.48E-07	6.78E-07	3.09E-07	2.76E-07	1.7E-08	4.1E-07	0.0E+00	4.5E-07	0.0E+00	2.3E-07	1.10E-06	1	2.47E-04
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.000985161	Residential	3.41E-07	1.03E-06	5.96E-07	5.40E-07	2.47E-07	2.20E-07	1.3E-08	3.2E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.80E-07	1	1.97E-04
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.000909036	Residential	3.15E-07	9.50E-07	5.50E-07	4.99E-07	2.28E-07	2.03E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.12E-07	1	1.82E-04
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.000894594	Residential	3.10E-07	9.35E-07	5.41E-07	4.91E-07	2.24E-07	2.00E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.99E-07	1	1.79E-04
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.000912379	Residential	3.16E-07	9.54E-07	5.52E-07	5.00E-07	2.28E-07	2.04E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.15E-07	1	1.82E-04
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.000975696	Residential	3.38E-07	1.02E-06	5.90E-07	5.35E-07	2.44E-07	2.18E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.8E-07	8.72E-07	1	1.95E-04
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.001091412	Residential	3.78E-07	1.14E-06	6.60E-07	5.99E-07	2.73E-07	2.44E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.75E-07	1	2.18E-04
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.001368889	Residential	4.74E-07	1.43E-06	8.28E-07	7.51E-07	3.43E-07	3.06E-07	1.9E-08	4.5E-07	0.0E+00	5.0E-07	0.0E+00	2.6E-07	1.22E-06	1	2.74E-04
offsite	591714.99	4140564.85	10.93829	1.38917	0.36212	0.27662	0.002332242	Residential	8.07E-07	2.44E-06	1.41E-06	1.28E-06	5.84E-07	5.21E-07	3.2E-08	7.7E-07	0.0E+00	8.4E-07	0.0E+00	4.4E-07	2.08E-06	2	4.66E-04
offsite	591814.99	4140564.85	5.08341	1.03982	0.32392	0.27721	0.001358983	Residential	4.70E-07	1.42E-06	8.22E-07	7.45E-07	3.40E-07	3.04E-07	1.8E-08	4.5E-07	0.0E+00	4.9E-07	0.0E+00	2.6E-07	1.21E-06	1	2.72E-04
offsite	591914.99	4140564.85	3.31374	0.82289	0.29163	0.27719	0.001046344	Residential	3.62E-07	1.09E-06	6.33E-07	5.74E-07	2.62E-07	2.34E-07	1.4E-08	3.4E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.35E-07	1	2.09E-04
offsite	592014.99	4140564.85	2.30074	0.67452	0.26411	0.27675	0.000861972	Residential	2.98E-07	9.01E-07	5.22E-07	4.73E-07	2.16E-07	1.93E-07	1.2E-08	2.8E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.70E-07	1	1.72E-04
offsite	592114.99	4140564.85	1.70781	0.56694	0.24071	0.27608	0.00074945	Residential	2.59E-07	7.83E-07	4.53E-07	4.11E-07	1.88E-07	1.67E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.70E-07	1	1.50E-04
offsite	592214.99	4140564.85	1.34913	0.48554	0.22049	0.27495	0.000677169	Residential	2.34E-07	7.08E-07	4.10E-07	3.71E-07	1.69E-07	1.51E-07	9.2E-09	2.2E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.05E-07	1	1.35E-04
offsite	592314.99	4140564.85	1.11598	0.42217	0.20302	0.27345	0.000627004	Residential	2.17E-07	6.55E-07	3.79E-07	3.44E-07	1.57E-07	1.40E-07	8.5E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.60E-07	1	1.25E-04
offsite	592414.99	4140564.85	0.94989	0.37164	0.18778	0.27147	0.000588842	Residential	2.04E-07	6.15E-07	3.56E-07	3.23E-07	1.47E-07	1.32E-07	8.0E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.26E-07	1	1.18E-04
path	592514.99	4140564.85	0.8165	0.33059	0.17448	0.26884	0.000556565	Parks/Paths	0.00E+00	1.98E-08	1.06E-08	8.59E-09	3.96E-09	3.80E-09	0.0E+00	6.2E-09	3.5E-09	0.0E+00	3.7E-10	0.0E+00	1.01E-08	0	1.11E-04
path	592614.99	4140564.85	0.70008	0.29661	0.16272	0.2652	0.00052684	Parks/Paths	0.00E+00	1.88E-08	1.00E-08	8.13E-09	3.75E-09	3.60E-09	0.0E+00	5.9E-09	3.3E-09	0.0E+00	3.5E-10	0.0E+00	9.55E-09	0	1.05E-04
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.002757373	Residential	9.55E-07	2.88E-06	1.67E-06	1.51E-06	6.90E-07	6.16E-07	3.7E-08	9.1E-07	0.0E+00	1.0E-06	0.0E+00	5.2E-07	2.46E-06	2	5.51E-04
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.001258922	Residential	4.36E-07	1.32E-06	7.62E-07	6.91E-07	3.15E-07	2.81E-07	1.7E-08	4.1E-07	0.0E+00	4.6E-07	0.0E+00	2.4E-07	1.13E-06	1	2.52E-04
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.001014199	Residential	3.51E-07	1.06E-06	6.14E-07	5.56E-07	2.54E-07	2.27E-07	1.4E-08	3.3E-07	0.0E+00	3.7E-07	0.0E+00	1.9E-07	9.06E-07	1	2.03E-04
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.000940542	Residential	3.26E-07	9.83E-07	5.69E-07	5.16E-07	2.35E-07	2.10E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.41E-07	1	1.88E-04
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.000920538	Residential	3.19E-07	9.62E-07	5.57E-07	5.05E-07	2.30E-07	2.06E-07	1.3E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.23E-07	1	1.84E-04
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.000934575	Residential	3.24E-07	9.77E-07	5.65E-07	5.13E-07	2.34E-07	2.09E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.35E-07	1	1.87E-04
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.000992063	Residential	3.43E-07	1.04E-06	6.00E-07	5.44E-07	2.48E-07	2.22E-07	1.3E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.87E-07	1	1.98E-04
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.00111802	Residential	3.87E-07	1.17E-06	6.76E-07	6.13E-07	2.80E-07	2.50E-07	1.5E-08	3.7E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.99E-07	1	2.24E-04
offsite	591314.99	4140664.85	2.2313	6.67174	0.60105	0.30516	0.001715154	Residential	5.94E-07	1.79E-06	1.04E-06	9.41E-07	4.29E-07	3.83E-07	2.3E-08	5.6E-07	0.0E+00	6.2E-07	0.0E+00	3.3E-07	1.53E-06	2	3.43E-04
offsite	591914.99	4140664.85	10.44952	0.73481	0.28149	0.30771	0.002197049	Residential	7.61E-07	2.30E-06	1.33E-06	1.21E-06	5.50E-07	4.91E-07	3.0E-08	7.2E-07	0.0E+00	8.0E-07	0.0E+00	4.2E-07	1.96E-06	2	4.39E-04
offsite	592014.99	4140664.85	3.56423	0.61041	0.2545	0.30574	0.00108888	Residential	3.77E-07	1.14E-06	6.59E-07	5.97E-07	2.73E-07	2.43E-07	1.5E-08	3.6E-07	0.0E+00	3.9E-07	0.0E+00	2.1E-07	9.73E-07	1	2.18E-04
offsite	592114.99	4140664.85	2.21972	0.51823	0.23183	0.30389	0.000858529	Residential	2.97E-07	8.97E-07	5.19E-07	4.71E-07	2.15E-07	1.92E-07	1.2E-08	2.8E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.67E-07	1	1.72E-04
offsite	592214.99	4140664.85	1.63705	0.44735	0.21243	0.30176	0.000751156	Residential	2.60E-07	7.85E-07	4.55E-07	4.12E-07	1.88E-07	1.68E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.71E-07	1	1.50E-04
path	592314.99	4140664.85	1.31516	0.39137	0.19591	0.29966	0.000687353	Parks/Paths	0.00E+00	2.45E-08	1.31E-08	1.06E-08	4.90E-09	4.69E-09	0.0E+00	7.7E-09	4.3E-09	0.0E+00	4.6E-10	0.0E+00	1.25E-08	0	1.37E-04
path	592414.99	4140664.85	1.10459	0.3466	0.18136	0.29643	0.000641417	Parks/Paths	0.00E+00	2.28E-08	1.22E-08	9.90E-09	4.57E-09	4.38E-09	0.0E+00	7.2E-09	4.0E-09	0.0E+00	4.3E-10	0.0E+00	1.16E-08	0	1.28E-04
path	592514.99	4140664.85	0.92734	0.30971	0.16864	0.29256	0.000601251	Parks/Paths	0.00E+00	2.14E-08	1.14E-08	9.28E-09	4.28E-09	4.10E-09	0.0E+00	6.7E-09	3.8E-09	0.0E+00	4.0E-10	0.0E+00	1.09E-08	0	1.20E-04
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.002830188	Residential	9.80E-07	2.96E-06	1.71E-06	1.55E-06	7.08E-07	6.32E-07	3.8E-08	9.3E-07	0.0E+00	1.0E-06	0.0E+00	5.4E-07	2.53E-06	3	5.66E-04
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.001319932	Residential	4.57E-07	1.38E-06	7.99E-07	7.24E-07	3.30E-07	2.95E-07	1.8E-08	4.3E-07	0.0E+00	4.8E-07	0.0E+00	2.5E-07	1.18E-06	1	2.64E-04
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.00107905	Residential	3.74E-07	1.13E-06	6.53E-07	5.92E-07	2.70E-07	2.41E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.64E-07	1	2.16E-04
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.001001225	Residential	3.47E-07	1.05E-06	6.06E-07	5.49E-07	2.51E-07	2.24E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.95E-07	1	2.00E-04
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.000980439	Residential	3.39E-07	1.02E-06	5.93E-07	5.38E-07	2.45E-07	2.19E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.9E-07	8.76E-07	1	1.96E-04
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.000993408	Residential	3.44E-07	1.04E-06	6.01E-07	5.45E-07	2.49E-07	2.22E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.88E-07	1	1.99E-04
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.001059899	Residential	3.67E-07	1.11E-06	6.41E-07	5.81E-07	2.65E-07	2.37E-07	1.4E-08	3.5E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.47E-07	1	2.12E-04
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.001278673	Residential	4.43E-07	1.34E-06	7.74E-07	7.01E-07	3.20E-07	2.86E-07	1.7E-08	4.2E-07	0.0E+00	4.6E-07	0.0E+00	2.4E-07	1.14E-06	1	2.56E-04
offsite	592014.99	4140764.85	6.87477	0.55498	0.24466	0.33969	0.00164576	Residential	5.70E-07	1.72E-06	9.96E-07	9.03E-07	4.12E-07	3.68E-07	2.2E-08	5.4E-07	0.0E+00	6.0E-07	0.0E+00	3.1E-07	1.47E-06	1	3.29E-04
path	592114.99	4140764.85	3.07953	0.47503	0.2229	0.33659	0.001029492	Parks/Paths	0.00E+00	3.67E-08	1.96E-08	1.59E-08	7.33E-09	7.03E-09	0.0E+00	1.2E-08	6.5E-09	0.0E+00	6.9E-10	0.0E+00	1.87E-08	0	2.06E-04
path	592214.99	4140764.85	2.08739	0.41318	0.20444	0.33305	0.000857109	Parks/Paths	0.00E+00	3.05E-08	1.63E-08	1.32E-08	6.11E-09	5.85E-09	0.0E+00	9.6E-09	5.4E-09	0.0E+00	5.8E-10	0.0E+00	1.55E-08	0	1.71E-04
path	592314.99	4140764.85	1.63289	0.36343	0.18843	0.3294	0.000771283	Parks/Paths	0.00E+00	2.75E-08	1.47E-08	1.19E-08	5.49E-09	5.27E-09	0.0E+00	8.6E-09	4.8E-09	0.0E+00	5.2E-10	0.0E+00	1.40E-08	0	1.54E-04
offsite	590714.99	4140864.85	0.90408	0.66981	2.33819	0.37835	0.001182983	Residential	4.10E-07	1.24E-06	7.16E-07	6.49E-07	2.96E-07	2.64E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.2E-07	1.06E-06	1	2.37E-04

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	AERMOD Output: X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhallation: 3rd trimester	0<2	2<9	2<16	16<30	16-70	Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year): 3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.001098203	Residential	3.80E-07	1.15E-06	6.64E-07	6.02E-07	2.75E-07	2.45E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.81E-07	1	2.20E-04
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.001073833	Residential	3.72E-07	1.12E-06	6.50E-07	5.89E-07	2.69E-07	2.40E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.60E-07	1	2.15E-04
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.001092677	Residential	3.78E-07	1.14E-06	6.61E-07	5.99E-07	2.73E-07	2.44E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.77E-07	1	2.19E-04
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.001192821	Residential	4.13E-07	1.25E-06	7.22E-07	6.54E-07	2.99E-07	2.67E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.3E-07	1.07E-06	1	2.39E-04
offsite	591214.99	4140864.85	1.29664	8.59958	0.66601	0.41344	0.001966859	Residential	6.81E-07	2.06E-06	1.19E-06	1.08E-06	4.92E-07	4.39E-07	2.7E-08	6.5E-07	0.0E+00	7.1E-07	0.0E+00	3.7E-07	1.76E-06	2	3.93E-04
Phase7	591314.99	4140864.85	1.42654	5.62814	0.56007	0.41045	0.001585696	Daycare	1.31E-07	4.34E-07	2.32E-07	1.88E-07	8.69E-08	8.33E-08	5.1E-09	1.4E-07	4.4E-08	0.0E+00	0.0E+00	0.0E+00	1.85E-07	0	3.17E-04
path	591914.99	4140864.85	5.18803	0.59501	0.25766	0.38347	0.001444987	Parks/Paths	0.00E+00	5.15E-08	2.74E-08	2.23E-08	1.03E-08	9.86E-09	0.0E+00	1.6E-08	9.1E-09	0.0E+00	9.7E-10	0.0E+00	2.62E-08	0	2.89E-04
path	592114.99	4140864.85	5.25384	0.43635	0.21317	0.37399	0.001414064	Parks/Paths	0.00E+00	5.04E-08	2.69E-08	2.18E-08	1.01E-08	9.65E-09	0.0E+00	1.6E-08	8.9E-09	0.0E+00	9.5E-10	0.0E+00	2.56E-08	0	2.83E-04
Phase5	590714.99	4140964.85	0.81493	0.74878	2.31683	0.49909	0.001332679	Daycare	1.10E-07	3.65E-07	1.95E-07	1.58E-07	7.30E-08	7.00E-08	4.3E-09	1.1E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.56E-07	0	2.67E-04
Phase5	590814.99	4140964.85	0.83379	0.88609	1.58334	0.51162	0.001224918	Daycare	1.01E-07	3.36E-07	1.79E-07	1.45E-07	6.71E-08	6.43E-08	4.0E-09	1.1E-07	3.4E-08	0.0E+00	0.0E+00	0.0E+00	1.43E-07	0	2.45E-04
Phase5	590914.99	4140964.85	0.91505	1.24463	1.21985	0.50918	0.00120837	Daycare	9.96E-08	3.31E-07	1.77E-07	1.43E-07	6.62E-08	6.35E-08	3.9E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.41E-07	0	2.42E-04
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.001235772	Residential	4.28E-07	1.29E-06	7.48E-07	6.78E-07	3.09E-07	2.76E-07	1.7E-08	4.1E-07	0.0E+00	4.5E-07	0.0E+00	2.3E-07	1.10E-06	1	2.47E-04
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.001452615	Residential	5.03E-07	1.52E-06	8.79E-07	7.97E-07	3.64E-07	3.25E-07	2.0E-08	4.8E-07	0.0E+00	5.3E-07	0.0E+00	2.8E-07	1.30E-06	1	2.91E-04
Phase7	591314.99	4140964.85	1.21455	3.18739	0.52992	0.48559	0.001335116	Daycare	1.10E-07	3.66E-07	1.95E-07	1.59E-07	7.32E-08	7.01E-08	4.3E-09	1.1E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.56E-07	0	2.67E-04
Phase7	591414.99	4140964.85	1.32649	1.82344	0.44189	0.47575	0.001149555	Daycare	9.47E-08	3.15E-07	1.68E-07	1.36E-07	6.30E-08	6.04E-08	3.7E-09	9.9E-08	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.34E-07	0	2.30E-04
Phase8	591514.99	4140964.85	1.45834	1.26834	0.38068	0.46563	0.001074626	Daycare	8.86E-08	2.94E-07	1.57E-07	1.28E-07	5.89E-08	5.64E-08	3.5E-09	9.3E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.26E-07	0	2.15E-04
Phase8	591614.99	4140964.85	1.6083	0.97352	0.34277	0.45232	0.001035977	Daycare	8.54E-08	2.84E-07	1.51E-07	1.23E-07	5.68E-08	5.44E-08	3.4E-09	8.9E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.21E-07	0	2.07E-04
path	591914.99	4140964.85	3.37142	0.53894	0.24442	0.43132	0.001211723	Parks/Paths	0.00E+00	4.32E-08	2.30E-08	1.87E-08	8.63E-09	8.27E-09	0.0E+00	1.4E-08	7.6E-09	0.0E+00	8.1E-10	0.0E+00	2.20E-08	0	2.42E-04
offsite	592014.99	4140964.85	6.49538	0.46182	0.22203	0.42478	0.001681029	Residential	5.82E-07	1.76E-06	1.02E-06	9.22E-07	4.21E-07	3.76E-07	2.3E-08	5.5E-07	0.0E+00	6.1E-07	0.0E+00	3.2E-07	1.50E-06	2	3.36E-04
Phase5	590714.99	4141064.85	0.72377	0.81963	2.24297	0.65508	0.001516792	Daycare	1.25E-07	4.16E-07	2.22E-07	1.80E-07	8.31E-08	7.96E-08	4.9E-09	1.3E-07	4.2E-08	0.0E+00	0.0E+00	0.0E+00	1.77E-07	0	3.03E-04
Phase5	590814.99	4141064.85	0.75236	0.94849	1.4133	0.62764	0.001338258	Daycare	1.10E-07	3.67E-07	1.96E-07	1.59E-07	7.33E-08	7.03E-08	4.3E-09	1.2E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.56E-07	0	2.68E-04
Phase5	590914.99	4141064.85	0.80363	1.33396	1.10899	0.63147	0.001340264	Daycare	1.10E-07	3.67E-07	1.96E-07	1.59E-07	7.34E-08	7.04E-08	4.3E-09	1.2E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.57E-07	0	2.68E-04
Phase5	591014.99	4141064.85	0.85389	2.16383	0.87437	0.62034	0.001392633	Daycare	1.15E-07	3.82E-07	2.03E-07	1.65E-07	7.63E-08	7.31E-08	4.5E-09	1.2E-07	3.8E-08	0.0E+00	0.0E+00	0.0E+00	1.63E-07	0	2.79E-04
Phase7	591214.99	4141064.85	0.991	4.86026	0.59714	0.57695	0.001644805	Daycare	1.36E-07	4.51E-07	2.40E-07	1.95E-07	9.01E-08	8.64E-08	5.3E-09	1.4E-07	4.5E-08	0.0E+00	0.0E+00	0.0E+00	1.92E-07	0	3.29E-04
Phase7	591314.99	4141064.85	1.06395	2.20454	0.4846	0.56748	0.001284935	Daycare	1.06E-07	3.52E-07	1.88E-07	1.53E-07	7.04E-08	6.75E-08	4.2E-09	1.1E-07	3.5E-08	0.0E+00	0.0E+00	0.0E+00	1.50E-07	0	2.57E-04
Phase7	591414.99	4141064.85	1.13226	1.42228	0.40726	0.53866	0.001143551	Daycare	9.43E-08	3.13E-07	1.67E-07	1.36E-07	6.27E-08	6.00E-08	3.7E-09	9.8E-08	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.34E-07	0	2.29E-04
Phase8	591514.99	4141064.85	1.23404	1.05573	0.34975	0.52408	0.001082694	Daycare	8.92E-08	2.97E-07	1.58E-07	1.29E-07	5.93E-08	5.69E-08	3.5E-09	9.3E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.27E-07	0	2.17E-04
Phase8	591614.99	4141064.85	1.37544	0.83569	0.30539	0.51456	0.001055866	Daycare	8.70E-08	2.89E-07	1.54E-07	1.25E-07	5.79E-08	5.54E-08	3.4E-09	9.1E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.23E-07	0	2.11E-04
Phase8	591714.99	4141064.85	1.59145	0.69287	0.28386	0.5096	0.001061047	Daycare	8.75E-08	2.91E-07	1.55E-07	1.26E-07	5.81E-08	5.57E-08	3.4E-09	9.1E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.24E-07	0	2.12E-04
path	591814.99	4141064.85	1.89556	0.57616	0.25559	0.49832	0.001073821	Parks/Paths	0.00E+00	3.82E-08	2.04E-08	1.66E-08	7.65E-09	7.33E-09	0.0E+00	1.2E-08	6.7E-09	0.0E+00	7.2E-10	0.0E+00	1.95E-08	0	2.15E-04
offsite	591914.99	4141064.85	2.41673	0.48979	0.23101	0.48968	0.001128812	Residential	3.91E-07	1.18E-06	6.83E-07	6.19E-07	2.83E-07	2.52E-07	1.5E-08	3.7E-07	0.0E+00	4.1E-07	0.0E+00	2.1E-07	1.01E-06	1	2.26E-04
offsite	592014.99	4141064.85	3.27292	0.42304	0.21038	0.48094	0.001239707	Residential	4.29E-07	1.30E-06	7.50E-07	6.80E-07	3.10E-07	2.77E-07	1.7E-08	4.1E-07	0.0E+00	4.5E-07	0.0E+00	2.4E-07	1.11E-06	1	2.48E-04
offsite	592114.99	4141064.85	4.71179	0.37021	0.19296	0.47243	0.001445079	Residential	5.00E-07	1.51E-06	8.74E-07	7.93E-07	3.62E-07	3.23E-07	2.0E-08	4.7E-07	0.0E+00	5.2E-07	0.0E+00	2.7E-07	1.29E-06	1	2.89E-04
offsite	592214.99	4141064.85	6.96192	0.32767	0.17806	0.46392	0.001780033	Residential	6.16E-07	1.86E-06	1.08E-06	9.76E-07	4.45E-07	3.98E-07	2.4E-08	5.8E-07	0.0E+00	6.4E-07	0.0E+00	3.4E-07	1.59E-06	2	3.56E-04
offsite	592314.99	4141064.85	6.35648	0.29284	0.16511	0.45462	0.001665537	Residential	5.77E-07	1.74E-06	1.01E-06	9.14E-07	4.17E-07	3.72E-07	2.3E-08	5.5E-07	0.0E+00	6.0E-07	0.0E+00	3.2E-07	1.49E-06	1	3.33E-04
Phase5	590714.99	4141164.85	0.66605	0.89022	2.05619	0.89998	0.001800186	Daycare	1.48E-07	4.93E-07	2.63E-07	2.14E-07	9.86E-08	9.45E-08	5.8E-09	1.6E-07	5.0E-08	0.0E+00	0.0E+00	0.0E+00	2.10E-07	0	3.60E-04
Phase5	590814.99	4141164.85	0.68612	1.08247	1.32866	0.80726	0.001563086	Daycare	1.29E-07	4.28E-07	2.28E-07	1.86E-07	8.56E-08	8.21E-08	5.1E-09	1.3E-07	4.3E-08	0.0E+00	0.0E+00	0.0E+00	1.83E-07	0	3.13E-04
Phase5	590914.99	4141164.85	0.73002	1.62278	1.02757	0.79118	0.00155816	Daycare	1.28E-07	4.27E-07	2.28E-07	1.85E-07	8.54E-08	8.18E-08	5.0E-09	1.3E-07	4.3E-08	0.0E+00	0.0E+00	0.0E+00	1.82E-07	0	3.12E-04
offsite	591014.99	4141164.85	0.78454	3.95294	0.81699	0.78597	0.001813947	Residential	6.28E-07	1.90E-06	1.10E-06	9.95E-07	4.54E-07	4.05E-07	2.5E-08	6.0E-07	0.0E+00	6.6E-07	0.0E+00	3.4E-07	1.62E-06	2	3.63E-04
Phase6	591114.99	4141164.85	0.82837	11.31349	0.67388	0.72279	0.00264347	Daycare	2.18E-07	7.24E-07	3.86E-07	3.14E-07	1.45E-07	1.39E-07	8.6E-09	2.3E-07	7.3E-08	0.0E+00	0.0E+00	0.0E+00	3.09E-07	0	5.29E-04
Phase6	591214.99	4141164.85	0.88623	2.90624	0.53448	0.69924	0.001528107	Daycare	1.26E-07	4.19E-07	2.23E-07	1.81E-07	8.37E-08	8.02E-08	4.9E-09	1.3E-07	4.2E-08	0.0E+00	0.0E+00	0.0E+00	1.79E-07	0	3.06E-04
Phase7	591314.99	4141164.85	0.93648	1.68259	0.44042	0.65306	0.0013019	Daycare	1.07E-07	3.57E-07	1.90E-07	1.55E-07	7.13E-08	6.84E-08	4.2E-09	1.1E-07	3.6E-08	0.0E+00	0.0E+00	0.0E+00	1.52E-07	0	2.60E-04
Phase8	591414.99	4141164.85	0.98925	1.17518	0.37019	0.63033	0.001202292	Daycare	9.91E-08	3.29E-07	1.76E-07	1.43E-07	6.59E-08	6.31E-08	3.9E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.41E-07	0	2.40E-04
Phase8	591514.99	4141164.85	1.07605	0.90795	0.31955	0.60262	0.001135849	Daycare	9.36E-08	3.11E-07	1.66E-07	1.35E-07	6.22E-08	5.96E-08	3.7E-09	9.8E-08	3.1E-08	0.0E+00	0.0E+00	0.0E+00	1.33E-07	0	2.27E-04
Phase8	591614.99	4141164.85	1.19651	0.74458	0.28195	0.59838	0.001121149	Daycare	9.24E-08	3.07E-07	1.64E-07	1.33E-07	6.14E-08	5.89E-08	3.6E-09	9.7E-08	3.1E-08	0.0E+00	0.0E+00	0.0E+00	1.31E-07	0	2.24E-04
path	591714.99	4141164.85	1.32593	0.6184	0.26693	0.58496	0.001105019	Parks/Paths	0.00E+00	3.94E-08	2.10E-08	1.71E-08	7.87E-09	7.54E-09	0.0E+00	1.2E-08	6.9E-09	0.0E+00	7.4E-10	0.0E+00	2.00E-08	0	2.21E-04
path	591814.99	4141164.85	1.51764	0.52094	0.23982	0.57369	0.001102771	Parks/Paths	0.00E+00	3.93E-08	2.09E-08	1.70E-08	7.86E-09	7.53E-09	0.0E+00	1.2E-08	6.9E-09	0.0E+00	7.4E-10	0.0E+00	2.00E-08	0	2.21E-04
offsite	591914.99	4141164.85	1.76524	0.4468	0.21761	0.56265	0.001113551	Residential	3.85E-07	1.16E-06	6.74E-07	6.11E-07	2.79E-07	2.49E-07	1.5E-08	3.7E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.95E-07	1	2.23E-04
offsite	592014.99	4141164.85	2.04461	0.38854	0.19887	0.55136	0.001131705	Residential	3.92E-07	1.18E-06	6.85E-07	6.21E-07	2.83E-07	2.53E-07	1.5E-08	3.7E-07	0.0E+00	4.1E-07	0.0E+00	2.1E-07	1.01E-06	1	2.26E-04
offsite	592114.99	4141164.85	2.27258	0.34199	0.18303	0.54009	0.001143847	Residential	3.96E-07	1.20E-06	6.92E-07	6.27E-07	2.86E-07	2.56E-07	1.6E-08	3.8E-07	0.0E+00	4.1E-07	0.0E+00	2.2E-07	1.02E-06	1	2.29E-04
offsite	592214.99	4141164.85	2.18962	0.30421	0.1694	0.52879	0.001108522	Residential	3.84E-07	1.16E-06	6.71E-07	6.08E-07	2.77E-07	2.48E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.91E-07	1	2.22E-04
offsite	592314.99	4141164.85	1.60857	0.27322	0.15771	0.51642	0.000994587	Residential	3.44E-07	1.04E-06	6.02E-07	5.46E-07	2.49E-07	2.22E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.89E-07	1	1.99E-04
offsite	590714.99	4141264.85	0.61468	1.05837	2.0248	1.28793	0.002314686	Residential	8.01E-07	2.42E-06	1.40E-06	1.27E-06	5.79E-07	5.17E-07	3.1E-08	7.6E-07	0.0E+00	8.4E-07	0.0E+00	4.4E-07	2.07E-06	2	4.63E-04
offsite	590814.99	4141264.85	0.65479	1.55973	1.39467	1.15212	0.002082774	Residential	7.21E-07	2.18E-06	1.26E-06	1.14E-06	5.21E-07	4.65E-07	2.8E-08	6.8E-07	0.0E+00	7.5E-07	0.0E+00	3.9E-07	1.86E-06	2	4.17E-04
offsite	590914.99	4141264.85	0.67348	2.36037	0.96176	1.04814	0.00196594	Residential	6.81E-07	2.05E-06	1.19E-06	1.08E-06	4.92E-07	4.39E-07	2.7E-08	6.5E-07	0.0E+00	7.1E-07	0.0E+00	3.7E-07	1.76E-06	2	3.93E-04
Phase6	591114.99	4141264.85	0.74824	4.34735	0.61261	0.88335	0.001945351	Daycare	1.60E-07	5.33E-07	2.84E-07	2.31E-07	1.07E-07	1.02E-07	6.3E-09	1.7E-07	5.4E-08	0.0E+00	0.0E+00	0.0E+00	2.27E-07	0	3.89E-04
offsite	591214.99	4141264.85	0.79777	2.0811	0.4763	0.8377	0.001579176	Residential	5.47E-07	1.65E-06	9.56E-07	8.66E-07	3.95E-07	3.53E-07	2.1E-08	5.2E-07	0.0E+00	5.7E-07	0.0E+00	3.0E-07	1.41E-06	1	3.16E-04
Phase6	591314.99	4141264.85	0.83815	1.37172	0.39583	0.76613	0.001386101	Daycare	1.14E-07	3.80E-07	2.03E-07	1.65E-07	7.60E-08	7.28E-08	4.5E-09	1.2E-07	3.8E-08	0.0E+00	0.0E+00	0.0E+00	1.62E-07	0	2.77E-04
Phase6	591414.99	4141264.85	0.89158	1.02073	0.33682	0.72958	0.001290568	Daycare	1.06E-07	3.54E-07	1.89E-07	1.53E-07	7.07E-08	6.78E-08	4.2E-09	1.1E-07	3.6E-08	0.0E+00	0.0E+00	0.0E+00	1.51E-07	0	2.58E-04
Phase8	591514.99	4141264.85	0.95529	0.81218	0.29437	0.71291	0.001243985	Daycare	1.03E-07	3.41E-07	1.82E-07	1.48E-07	6.82E-08	6.53E-08	4.0E-09	1.1E-07	3.4E-08	0.0E+00	0.0E+00	0.0E+00	1.45E-07	0	2.49E-04
path	591614.99	4141264.85	1.01647	0.66847	0.27815	0.7011	0.001216752	Parks/Paths	0.00E+00	4.33E-08	2.31E-08	1.88E-08	8.67E-09	8.31E-09	0.0E+00	1.4E-08	7.6E-09	0.0E+00	8.2E-10	0.0E+00	2.21E-08	0	2.43E-04
path	591714.99	4141264.85	1.10535	0.55716	0.2487	0.68547	0.001190387	Parks/Paths	0.00E+00	4.24E-08	2.26E-08	1.84E-08	8.48E-09	8.13E-09	0.0E+00	1.3E-08	7.5E-09	0.0E+00	8.0E-10	0.0E+00	2.16E-08	0	2.38E-04
offsite	591814.99	4141264.85	1.20513	0.47348	0.22457	0.67137	0.001172293	Residential	4.06E-07	1.23E-06	7.09E-07	6.43E-07	2.93E-07	2.62E-07	1.6E-08	3.9E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.05E-06	1	2.34E-04
offsite	591914.99	4141264.85	1.3004	0.40866	0.20454	0.65751	0.001157002	Residential	4.01E-07	1.21E-06	7.00E-07	6.35E-07	2.90E-07	2.59E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.03E-06	1	2.31E-04
offsite	592014.99	4141264.85	1.35823	0.35748	0.18781	0.64306	0.001137423	Residential	3.94E-07	1.19E-06	6.88E-07	6.24E-07	2.85E-07	2.54E-07	1.5E-08	3.7E-07	0.0E+00	4.1E-07	0.0E+00	2.2E-07	1.02E-06	1	2.27E-04
offsite	592114.99	4141264.85	1.32263	0.31633	0.17351	0.62793	0.001103988	Residential	3.82E-07	1.15E-06	6.68E-07	6.06E-07	2.76E-07	2.47E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.87E-07	1	2.21E-04
offsite	592214.99	4141264.85	1.14392	0.2828	0.1612	0.61267	0.001049201	Residential	3.63E-07	1.10E-06	6.35E-07	5.75E-07	2.63E-07	2.34E-07	1.4E-08	3.4E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.38E-07	1	2.10E-04
offsite	592314.99	4141264.85	0.86606	0.2551	0.15047	0.59552	0.000977376	Residential	3.38E-07	1.02E-06	5.91E-07	5.36E-07	2.45E-07	2.18E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.9E-07	8.73E-07	1	1.95E-04
offsite	592414.99	4141264.85	0.62559	0.23188	0.14097	0.57329	0.000905605	Residential	3.13E-07	9.47E-07	5.48E-07	4.97E-07	2.27E-07	2.02E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.09E-07	1	1.81E-04
Phase6	591014.99	4141364.85	0.65236	8.39915	0.6796	1.22889	0.002909275	Daycare	2.40E-07	7.97E-07	4.25E-07	3.45E-07	1.59E-07	1.53E-07	9.4E-09	2.5E-07	8.0E-08	0.0E+00	0.0E+00	0.0E+00	3.40E-07	0	5.82E-04
Phase6	591114.99	4141364.85	0.6702	2.37905	0.49166	1.07077	0.001904759	Daycare	1.57E-07	5.22E-07	2.78E-07	2.26E-07	1.04E-07	1.00E-07	6.2E-09	1.6E-07	5.2E-08	0.0E+00	0.0E+00	0.0E+00	2.23E-07	0	3.81E-04
Phase6	591214.99	4141364.85	0.70511	1.58532	0.40963	0.98857	0.001685913	Daycare	1.39E-07	4.62E-07	2.46E-07	2.00E-07	9.24E-08	8.85E-08	5.5E-09	1.5E-07	4.6E-08	0.0E+00	0.0E+00	0.0E+00	1.97E-07	0	3.37E-04
Phase6	591314.99	4141364.85	0.7409	1.14861	0.34711	0.92318	0.001538315	Daycare	1.27E-07	4.21E-07	2.25E-07	1.83E-07	8.43E-08	8.08E-08	5.0E-09	1.3E-07	4.2E-08	0.0E+00	0.0E+00	0.0E+00	1.80E-07	0	3.08E-04
Phase6	591414.99	4141364.85	0.79013	0.89426	0.30309	0.87162	0.001437696	Daycare	1.18E-07	3.94E-07	2.10E-07	1.71E-07	7.88E-08	7.55E-08	4.7E-09	1.2E-07	4.0E-08	0.0E+00	0.0E+00	0.0E+00	1.68E-07	0	2.88E-04
Phase6	591514.99	4141364.85	0.82169	0.72991	0.28894	0.86575	0.001411358	Daycare	1.16E-07	3.87E-07	2.06E-07	1.68E-07	7.73E-08	7.41E-08	4.6E-09	1.2E-07	3.9E-08	0.0E+00	0.0E+00	0.0E+00	1.65E-07	0	2.82E-04
path	591614.99	4141364.85	0.86752	0.5993	0.25697	0.8421	0.001364778	Parks/Paths	0.00E+00	4.86E-08	2.59E-08	2.11E-08	9.72E-09	9.32E-09	0.0E+00	1.5E-08	8.6E-09	0.0E+00	9.2E-10	0.0E+00	2.47E-08	0	2.73E-04
offsite	591714.99	4141364.85	0.91431	0.50354	0.2312	0.82312	0.001330099	Residential	4.60E-07	1.39E-06	8.05E-07	7.30E-07	3.33E-07	2.97E-07	1.8E-08	4.4E-07	0.0E+00	4.8E-07	0.0E+00	2.5E-07	1.19E-06	1	2.66E-04
offsite	591814.99	4141364.85	0.95406	0.43077	0.21006	0.80569	0.001300167	Residential	4.50E-07	1.36E-06	7.87E-07	7.13E-07	3.25E-07	2.90E-07	1.8E-08	4.3E-07	0.0E+00	4.7E-07	0.0E+00	2.5E-07	1.16E-06	1	2.60E-04
offsite	591914.99	4141364.85	0.97257	0.37412	0.19233	0.78766	0.00126882	Residential	4.39E-07	1.33E-06	7.68E-07	6.96E-07	3.18E-07	2.83E-07	1.7E-08	4.2E-07	0.0E+00	4.6E-07	0.0E+00	2.4E-07	1.13E-06	1	2.54E-04
offsite	592014.99	4141364.85	0.95079	0.32912	0.1773	0.76807	0.001231097	Residential	4.26E-07	1.29E-06	7.45E-07	6.75E-07	3.08E-07	2.75E-07	1.7E-08	4.0E-07	0.0E+00	4.5E-07	0.0E+00	2.3E-07	1.10E-06	1	2.46E-04
offsite	592114.99	4141364.85	0.87206	0.29278	0.16446	0.74714	0.00118418	Residential	4.10E-07	1.24E-06	7.17E-07	6.50E-07	2.96E-07	2.65E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.2E-07	1.06E-06	1	2.37E-04
offsite	592214.99	4141364.85	0.7397	0.26302	0.15333	0.72574	0.001129373	Residential	3.91E-07	1.18E-06	6.83E-07	6.19E-07	2.83E-07	2.52E-07	1.5E-08	3.7E-07	0.0E+00	4.1E-07	0.0E+00	2.1E-07	1.01E-06	1	2.26E-04
offsite	592314.99	4141364.85	0.58987	0.23837	0.14363	0.70099	0.001068362	Residential	3.70E-07	1.12E-06	6.46E-07	5.86E-07	2.67E-07	2.39E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.55E-07	1	2.14E-04
offsite	592414.99	4141364.85	0.46652	0.2177	0.1351	0.66723	0.001000472	Residential	3.46E-07	1.05E-06	6.05E-07	5.49E-07	2.50E-07	2.24E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.94E-07	1	2.00E-04
offsite	592514.99	4141364.85	0.38163	0.20008	0.12738	0.62195	0.000924117	Residential	3.20E-07	9.66E-07	5.59E-07	5.07E-07	2.31E-07	2.06E-07	1.3E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.8E-07	8.26E-07	1	1.85E-04
Phase6	591014.99	4141464.85	0.59376	4.36886	0.53654	1.58524	0.002826854	Daycare	2.33E-07	7.74E-07	4.13E-07	3.36E-07	1.55E-07	1.48E-07	9.2E-09	2.4E-07	7.8E-08	0.0E+00	0.0E+00	0.0E+00	3.30E-07	0	5.65E-04
Phase6	591114.99	4141464.85	0.60882	2.00352	0.42083	1.36007	0.002211924	Daycare	1.82E-07	6.06E-07	3.23E-07	2.63E-07	1.21E-07	1.16E-07	7.2E-09	1.9E-07	6.1E-08	0.0E+00	0.0E+00	0.0E+00	2.59E-07	0	4.42E-04
Phase6	591214.99	4141464.85	0.63224	1.33263	0.35371	1.22311	0.001938157	Daycare	1.60E-07	5.31E-07	2.83E-07	2.30E-07	1.06E-07	1.02E-07	6.3E-09	1.7E-07	5.3E-08	0.0E+00	0.0E+00	0.0E+00	2.27E-07	0	3.88E-04
Phase6	591314.99	4141464.85	0.6678	1.00537	0.31023	1.14619	0.001793073	Daycare	1.48E-07	4.91E-07	2.62E-07	2.13E-07	9.83E-08	9.42E-08	5.8E-09	1.5E-07	4.9E-08	0.0E+00	0.0E+00	0.0E+00	2.10E-07	0	3.59E-04
Phase6	591414.99	4141464.85	0.69903	0.80706	0.29278	1.11843	0.001733093	Daycare	1.43E-07	4.75E-07	2.53E-07	2.06E-07	9.50E-08	9.10E-08	5.6E-09	1.5E-07	4.8E-08	0.0E+00	0.0E+00	0.0E+00	2.03E-07	0	3.47E-04
path	591514.99	4141464.85	0.71384	0.64925	0.26463	1.0815	0.00166156	Parks/Paths	0.00E+00	5.92E-08	3.16E-08	2.56E-08	1.18E-08	1.13E-08	0.0E+00	1.9E-08	1.0E-08	0.0E+00	1.1E-09	0.0E+00	3.01E-08	0	3.32E-04

Roadway HRA
Near Term No Project

		AERMOD Output	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS						Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								
Discrete Receptor ID (Group Name)	X	Y					Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	591614.99	4141464.85	0.7375	0.53729	0.23742	1.05328	0.001608813	Residential	5.57E-07	1.68E-06	9.73E-07	8.82E-07	4.03E-07	3.59E-07	2.2E-08	5.3E-07	0.0E+00	5.8E-07	0.0E+00	3.1E-07	1.44E-06	1	3.22E-04
offsite	591714.99	4141464.85	0.75438	0.45455	0.21466	1.02588	0.001560654	Residential	5.40E-07	1.63E-06	9.44E-07	8.56E-07	3.91E-07	3.49E-07	2.1E-08	5.1E-07	0.0E+00	5.6E-07	0.0E+00	3.0E-07	1.39E-06	1	3.12E-04
offsite	591814.99	4141464.85	0.76039	0.39183	0.19646	1.00272	0.001519766	Residential	5.26E-07	1.59E-06	9.20E-07	8.34E-07	3.80E-07	3.40E-07	2.1E-08	5.0E-07	0.0E+00	5.5E-07	0.0E+00	2.9E-07	1.36E-06	1	3.04E-04
offsite	591914.99	4141464.85	0.74509	0.34243	0.18082	0.97755	0.001475086	Residential	5.11E-07	1.54E-06	8.93E-07	8.09E-07	3.69E-07	3.30E-07	2.0E-08	4.8E-07	0.0E+00	5.3E-07	0.0E+00	2.8E-07	1.32E-06	1	2.95E-04
offsite	592014.99	4141464.85	0.70203	0.30304	0.16746	0.94994	0.001424561	Residential	4.93E-07	1.49E-06	8.62E-07	7.81E-07	3.57E-07	3.18E-07	1.9E-08	4.7E-07	0.0E+00	5.2E-07	0.0E+00	2.7E-07	1.27E-06	1	2.85E-04
offsite	592114.99	4141464.85	0.62988	0.27108	0.15596	0.91933	0.001366838	Residential	4.73E-07	1.43E-06	8.27E-07	7.50E-07	3.42E-07	3.05E-07	1.9E-08	4.5E-07	0.0E+00	4.9E-07	0.0E+00	2.6E-07	1.22E-06	1	2.73E-04
offsite	592214.99	4141464.85	0.53861	0.2448	0.14596	0.88739	0.00130538	Residential	4.52E-07	1.36E-06	7.90E-07	7.16E-07	3.27E-07	2.92E-07	1.8E-08	4.3E-07	0.0E+00	4.7E-07	0.0E+00	2.5E-07	1.17E-06	1	2.61E-04
offsite	592314.99	4141464.85	0.44764	0.22292	0.13718	0.84919	0.00123658	Residential	4.28E-07	1.29E-06	7.48E-07	6.78E-07	3.09E-07	2.76E-07	1.7E-08	4.1E-07	0.0E+00	4.5E-07	0.0E+00	2.3E-07	1.11E-06	1	2.47E-04
offsite	592414.99	4141464.85	0.37294	0.20445	0.12934	0.79432	0.001149155	Residential	3.98E-07	1.20E-06	6.95E-07	6.30E-07	2.88E-07	2.57E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.03E-06	1	2.30E-04
Phase6	591214.99	4141564.85	0.57827	1.16519	0.31875	1.64789	0.00245716	Daycare	2.03E-07	6.73E-07	3.59E-07	2.92E-07	1.35E-07	1.29E-07	8.0E-09	2.1E-07	6.8E-08	0.0E+00	0.0E+00	0.0E+00	2.87E-07	0	4.91E-04
Phase6	591314.99	4141564.85	0.59799	0.88841	0.28872	1.55366	0.002295991	Daycare	1.89E-07	6.29E-07	3.35E-07	2.73E-07	1.26E-07	1.21E-07	7.4E-09	2.0E-07	6.3E-08	0.0E+00	0.0E+00	0.0E+00	2.68E-07	0	4.59E-04
path	591414.99	4141564.85	0.60732	0.70773	0.27123	1.49882	0.002199368	Parks/Paths	0.00E+00	7.83E-08	4.18E-08	3.39E-08	1.57E-08	1.50E-08	0.0E+00	2.5E-08	1.4E-08	0.0E+00	1.5E-09	0.0E+00	3.99E-08	0	4.40E-04
path	591514.99	4141564.85	0.61934	0.5753	0.24262	1.44634	0.002110183	Parks/Paths	0.00E+00	7.52E-08	4.01E-08	3.26E-08	1.50E-08	1.44E-08	0.0E+00	2.4E-08	1.3E-08	0.0E+00	1.4E-09	0.0E+00	3.83E-08	0	4.22E-04
offsite	591614.99	4141564.85	0.62621	0.4803	0.21897	1.40156	0.002035983	Residential	7.05E-07	2.13E-06	1.23E-06	1.12E-06	5.10E-07	4.55E-07	2.8E-08	6.7E-07	0.0E+00	7.4E-07	0.0E+00	3.9E-07	1.82E-06	2	4.07E-04
offsite	591714.99	4141564.85	0.62611	0.40997	0.19973	1.36215	0.001971707	Residential	6.83E-07	2.06E-06	1.19E-06	1.08E-06	4.93E-07	4.41E-07	2.7E-08	6.5E-07	0.0E+00	7.1E-07	0.0E+00	3.7E-07	1.76E-06	2	3.94E-04
offsite	591814.99	4141564.85	0.61439	0.3559	0.1836	1.32123	0.001906301	Residential	6.60E-07	1.99E-06	1.15E-06	1.05E-06	4.77E-07	4.26E-07	2.6E-08	6.3E-07	0.0E+00	6.9E-07	0.0E+00	3.6E-07	1.70E-06	2	3.81E-04
offsite	591914.99	4141564.85	0.58721	0.31319	0.16981	1.28259	0.001843344	Residential	6.38E-07	1.93E-06	1.12E-06	1.01E-06	4.61E-07	4.12E-07	2.5E-08	6.1E-07	0.0E+00	6.7E-07	0.0E+00	3.5E-07	1.65E-06	2	3.69E-04
offsite	592014.99	4141564.85	0.54334	0.27891	0.15798	1.24104	0.001775406	Residential	6.15E-07	1.86E-06	1.07E-06	9.74E-07	4.44E-07	3.97E-07	2.4E-08	5.8E-07	0.0E+00	6.4E-07	0.0E+00	3.4E-07	1.59E-06	2	3.55E-04
offsite	592114.99	4141564.85	0.48553	0.25101	0.14776	1.19206	0.001696681	Residential	5.87E-07	1.77E-06	1.03E-06	9.31E-07	4.25E-07	3.79E-07	2.3E-08	5.6E-07	0.0E+00	6.1E-07	0.0E+00	3.2E-07	1.52E-06	2	3.39E-04
offsite	592214.99	4141564.85	0.42137	0.22786	0.13875	1.14124	0.00161539	Residential	5.59E-07	1.69E-06	9.77E-07	8.86E-07	4.04E-07	3.61E-07	2.2E-08	5.3E-07	0.0E+00	5.8E-07	0.0E+00	3.1E-07	1.44E-06	1	3.23E-04
offsite	592314.99	4141564.85	0.36115	0.20876	0.13108	1.07543	0.001515889	Residential	5.25E-07	1.58E-06	9.17E-07	8.31E-07	3.79E-07	3.39E-07	2.1E-08	5.0E-07	0.0E+00	5.5E-07	0.0E+00	2.9E-07	1.35E-06	1	3.03E-04
path	591414.99	4141664.85	0.53541	0.61467	0.24655	2.28387	0.003198249	Parks/Paths	0.00E+00	1.14E-07	6.08E-08	4.94E-08	2.28E-08	2.18E-08	0.0E+00	3.6E-08	2.0E-08	0.0E+00	2.1E-09	0.0E+00	5.80E-08	0	6.40E-04
offsite	591514.99	4141664.85	0.5376	0.50627	0.22254	2.19125	0.003058966	Residential	1.06E-06	3.20E-06	1.85E-06	1.68E-06	7.66E-07	6.83E-07	4.2E-08	1.0E-06	0.0E+00	1.1E-06	0.0E+00	5.8E-07	2.73E-06	3	6.12E-04
offsite	591614.99	4141664.85	0.53452	0.42778	0.2026	2.10526	0.002932119	Residential	1.01E-06	3.06E-06	1.77E-06	1.61E-06	7.34E-07	6.55E-07	4.0E-08	9.6E-07	0.0E+00	1.1E-06	0.0E+00	5.6E-07	2.62E-06	3	5.86E-04
offsite	591714.99	4141664.85	0.52484	0.369	0.18613	2.02579	0.002815945	Residential	9.75E-07	2.94E-06	1.70E-06	1.54E-06	7.05E-07	6.29E-07	3.8E-08	9.3E-07	0.0E+00	1.0E-06	0.0E+00	5.3E-07	2.52E-06	3	5.63E-04
offsite	591814.99	4141664.85	0.50587	0.32322	0.17209	1.94166	0.00269434	Residential	9.33E-07	2.82E-06	1.63E-06	1.48E-06	6.74E-07	6.02E-07	3.7E-08	8.9E-07	0.0E+00	9.8E-07	0.0E+00	5.1E-07	2.41E-06	2	5.39E-04
offsite	591914.99	4141664.85	0.47659	0.28676	0.16001	1.87254	0.002592312	Residential	8.97E-07	2.71E-06	1.57E-06	1.42E-06	6.49E-07	5.79E-07	3.5E-08	8.5E-07	0.0E+00	9.4E-07	0.0E+00	4.9E-07	2.32E-06	2	5.18E-04
offsite	592014.99	4141664.85	0.43778	0.25726	0.14957	1.79155	0.002474463	Residential	8.57E-07	2.59E-06	1.50E-06	1.36E-06	6.19E-07	5.53E-07	3.4E-08	8.1E-07	0.0E+00	9.0E-07	0.0E+00	4.7E-07	2.21E-06	2	4.95E-04
offsite	592114.99	4141664.85	0.39242	0.23296	0.1404	1.69403	0.00233487	Residential	8.08E-07	2.44E-06	1.41E-06	1.28E-06	5.84E-07	5.22E-07	3.2E-08	7.7E-07	0.0E+00	8.5E-07	0.0E+00	4.4E-07	2.09E-06	2	4.67E-04
offsite	592214.99	4141664.85	0.34576	0.21273	0.13234	1.6061	0.002208352	Residential	7.64E-07	2.31E-06	1.34E-06	1.21E-06	5.53E-07	4.93E-07	3.0E-08	7.3E-07	0.0E+00	8.0E-07	0.0E+00	4.2E-07	1.97E-06	2	4.42E-04
path	591314.99	4141764.85	0.47356	0.65291	0.24907	5.44263	0.007325623	Parks/Paths	0.00E+00	2.61E-07	1.39E-07	1.13E-07	5.22E-08	5.00E-08	0.0E+00	8.2E-08	4.6E-08	0.0E+00	4.9E-09	0.0E+00	1.33E-07	0	1.47E-03
offsite	591414.99	4141764.85	0.47333	0.53016	0.22519	5.02672	0.006761289	Residential	2.34E-06	7.07E-06	4.09E-06	3.71E-06	1.69E-06	1.51E-06	9.2E-08	2.2E-06	0.0E+00	2.4E-06	0.0E+00	1.3E-06	6.04E-06	6	1.35E-03
offsite	591514.99	4141764.85	0.4688	0.44419	0.20485	4.57176	0.006150561	Residential	2.13E-06	6.43E-06	3.72E-06	3.37E-06	1.54E-06	1.37E-06	8.4E-08	2.0E-06	0.0E+00	2.2E-06	0.0E+00	1.2E-06	5.50E-06	5	1.23E-03
offsite	591614.99	4141764.85	0.46018	0.38078	0.18812	4.24575	0.005711433	Residential	1.98E-06	5.97E-06	3.46E-06	3.13E-06	1.43E-06	1.28E-06	7.8E-08	1.9E-06	0.0E+00	2.1E-06	0.0E+00	1.1E-06	5.10E-06	5	1.14E-03
offsite	591714.99	4141764.85	0.44588	0.33224	0.17399	3.95624	0.005321551	Residential	1.84E-06	5.56E-06	3.22E-06	2.92E-06	1.33E-06	1.19E-06	7.2E-08	1.7E-06	0.0E+00	1.9E-06	0.0E+00	1.0E-06	4.76E-06	5	1.06E-03
offsite	591814.99	4141764.85	0.42464	0.29372	0.16165	3.68341	0.004954017	Residential	1.71E-06	5.18E-06	3.00E-06	2.72E-06	1.24E-06	1.11E-06	6.7E-08	1.6E-06	0.0E+00	1.8E-06	0.0E+00	9.4E-07	4.43E-06	4	9.91E-04
offsite	591914.99	4141764.85	0.39716	0.26294	0.15114	3.47562	0.004671918	Residential	1.62E-06	4.88E-06	2.83E-06	2.56E-06	1.17E-06	1.04E-06	6.4E-08	1.5E-06	0.0E+00	1.7E-06	0.0E+00	8.9E-07	4.18E-06	4	9.34E-04
offsite	592014.99	4141764.85	0.36422	0.23764	0.14187	3.1915	0.004290055	Residential	1.49E-06	4.48E-06	2.60E-06	2.35E-06	1.07E-06	9.59E-07	5.8E-08	1.4E-06	0.0E+00	1.6E-06	0.0E+00	8.1E-07	3.83E-06	4	8.58E-04
offsite	592114.99	4141764.85	0.32852	0.21663	0.13369	2.93711	0.003947405	Residential	1.37E-06	4.13E-06	2.39E-06	2.17E-06	9.88E-07	8.82E-07	5.4E-08	1.3E-06	0.0E+00	1.4E-06	0.0E+00	7.5E-07	3.53E-06	4	7.89E-04
offsite	590914.99	4141964.85	0.38994	1.38121	0.30994	2.67044	0.003790687	Residential	1.31E-06	3.96E-06	2.29E-06	2.08E-06	9.49E-07	8.47E-07	5.2E-08	1.2E-06	0.0E+00	1.4E-06	0.0E+00	7.2E-07	3.39E-06	3	7.58E-04
path	591214.99	4141964.85	0.38632	0.56095	0.2255	3.91723	0.005300298	Parks/Paths	0.00E+00	1.89E-07	1.01E-07	8.18E-08	3.78E-08	3.62E-08	0.0E+00	5.9E-08	3.3E-08	0.0E+00	3.6E-09	0.0E+00	9.61E-08	0	1.06E-03
path	591314.99	4141964.85	0.3819	0.46555	0.20648	4.17259	0.005617775	Parks/Paths	0.00E+00	2.00E-07	1.07E-07	8.67E-08	4.00E-08	3.83E-08	0.0E+00	6.3E-08	3.5E-08	0.0E+00	3.8E-09	0.0E+00	1.02E-07	0	1.12E-03
offsite	590814.99	4142064.85	0.36178	1.35808	0.30615	1.7833	0.002622161	Residential	9.08E-07	2.74E-06	1.59E-06	1.44E-06	6.56E-07	5.86E-07	3.6E-08	8.6E-07	0.0E+00	9.5E-07	0.0E+00	5.0E-07	2.34E-06	2	5.24E-04
offsite	590914.99	4142064.85	0.3613	0.9324	0.27351	1.9813	0.00282066	Residential	9.76E-07	2.95E-06	1.71E-06	1.55E-06	7.06E-07	6.30E-07	3.8E-08	9.3E-07	0.0E+00	1.0E-06	0.0E+00	5.3E-07	2.52E-06	3	5.64E-04
offsite	591014.99	4142064.85	0.35964	0.70185	0.24679	2.17745	0.003042466	Residential	1.05E-06	3.18E-06	1.84E-06	1.67E-06	7.61E-07	6.80E-07	4.1E-08	1.0E-06	0.0E+00	1.1E-06	0.0E+00	5.8E-07	2.72E-06	3	6.08E-04
path	591114.99	4142064.85	0.35626	0.56144	0.22436	2.33172	0.003221498	Parks/Paths	0.00E+00	1.15E-07	6.12E-08	4.97E-08	2.29E-08	2.20E-08	0.0E+00	3.6E-08	2.0E-08	0.0E+00	2.2E-09	0.0E+00	5.84E-08	0	6.44E-04
path	591214.99	4142064.85	0.35158	0.46697	0.20562	2.44309	0.003350763	Parks/Paths	0.00E+00	1.19E-07	6.36E-08	5.17E-08	2.39E-08	2.29E-08	0.0E+00	3.8E-08	2.1E-08	0.0E+00	2.3E-09	0.0E+00	6.08E-08	0	6.70E-04
offsite	590714.99	4142164.85	0.33841	1.17124	0.30201	1.34291	0.002017924	Residential	6.99E-07	2.11E-06	1.22E-06	1.11E-06	5.05E-07	4.51E-07	2.7E-08	6.6E-07	0.0E+00	7.3E-07	0.0E+00	3.8E-07	1.80E-06	2	4.04E-04
offsite	590814.99	4142164.85	0.33729	0.87484	0.27057	1.45247	0.002117271	Residential	7.33E-07	2.21E-06	1.28E-06	1.16E-06	5.30E-07	4.73E-07	2.9E-08	7.0E-07	0.0E+00	7.7E-07	0.0E+00	4.0E-07	1.89E-06	2	4.23E-04
path	590914.99	4142164.85	0.33536	0.67932	0.24475	1.56154	0.002229751	Parks/Paths	0.00E+00	7.94E-08	4.24E-08	3.44E-08	1.59E-08	1.52E-08	0.0E+00	2.5E-08	1.4E-08	0.0E+00	1.5E-09	0.0E+00	4.04E-08	0	4.46E-04
path	591014.99	4142164.85	0.33174	0.551	0.22298	1.65416	0.002329768	Parks/Paths	0.00E+00	8.30E-08	4.43E-08	3.60E-08	1.66E-08	1.59E-08	0.0E+00	2.6E-08	1.5E-08	0.0E+00	1.6E-09	0.0E+00	4.22E-08	0	4.66E-04
path	591114.99	4142164.85	0.32716	0.46136	0.20464	1.7279	0.002410519	Parks/Paths	0.00E+00	8.59E-08	4.58E-08	3.72E-08	1.72E-08	1.65E-08	0.0E+00	2.7E-08	1.5E-08	0.0E+00	1.6E-09	0.0E+00	4.37E-08	0	4.82E-04
path	590414.99	4142264.85	0.3178	0.96269	0.37455	0.93595	0.001470205	Parks/Paths	0.00E+00	5.24E-08	2.79E-08	2.27E-08	1.05E-08	1.00E-08	0.0E+00	1.6E-08	9.2E-09	0.0E+00	9.9E-10	0.0E+00	2.67E-08	0	2.94E-04
path	590514.99	4142264.85	0.3181	1.03964	0.33348	1.00296	0.00155957	Parks/Paths	0.00E+00	5.55E-08	2.96E-08	2.41E-08	1.11E-08	1.06E-08	0.0E+00	1.7E-08	9.8E-09	0.0E+00	1.0E-09	0.0E+00	2.83E-08	0	3.12E-04
path	590614.99	4142264.85	0.31781	0.95892	0.29731	1.07278	0.001633487	Parks/Paths	0.00E+00	5.82E-08	3.10E-08	2.52E-08	1.16E-08	1.12E-08	0.0E+00	1.8E-08	1.0E-08	0.0E+00	1.1E-09	0.0E+00	2.96E-08	0	3.27E-04
path	590714.99	4142264.85	0.31648	0.7875	0.26711	1.14326	0.001697777	Parks/Paths	0.00E+00	6.05E-08	3.23E-08	2.62E-08	1.21E-08	1.16E-08	0.0E+00	1.9E-08	1.1E-08	0.0E+00	1.1E-09	0.0E+00	3.08E-08	0	3.40E-04
path	590814.99	4142264.85	0.31438	0.64198	0.2422	1.21224	0.001764312	Parks/Paths	0.00E+00	6.28E-08	3.35E-08	2.72E-08	1.26E-08	1.20E-08	0.0E+00	2.0E-08	1.1E-08	0.0E+00	1.2E-09	0.0E+00	3.20E-08	0	3.53E-04
path	590914.99	4142264.85	0.31155	0.53248	0.22158	1.27614	0.001829499	Parks/Paths	0.00E+00	6.52E-08	3.48E-08	2.82E-08	1.30E-08	1.25E-08	0.0E+00	2.0E-08	1.1E-08	0.0E+00	1.2E-09	0.0E+00	3.32E-08	0	3.66E-04
path	591014.99	4142264.85	0.3074	0.45069	0.20382	1.32896	0.001884064	Parks/Paths	0.00E+00	6.71E-08	3.58E-08	2.91E-08	1.34E-08	1.29E-08	0.0E+00	2.1E-08	1.2E-08	0.0E+00	1.3E-09	0.0E+00	3.42E-08	0	3.77E-04
school	591514.99	4142364.85	0.2429	0.2257	0.13601	1.11022	0.00154589	School	0.00E+00	2.29E-07	1.22E-07	9.91E-08	4.57E-08	4.38E-08	0.0E+00	0.0E+00	4.0E-08	9.3E-09	0.0E+00	0.0E+00	4.96E-08	0	3.09E-04
park	591214.99	4142464.85	0.2513	0.26849	0.15287	0.93896	0.001331948	Parks/Paths	0.00E+00	4.74E-08	2.53E-08	2.06E-08	9.49E-09	9.09E-09	0.0E+00	1.5E-08	8.3E-09	0.0E+00	8.9E-10	0.0E+00	2.42E-08	0	2.66E-04
park	591314.99	4142464.85	0.24255	0.2446	0.14376	0.93118	0.001315568	Parks/Paths	0.00E+00	4.69E-08	2.50E-08	2.03E-08	9.37E-09	8.98E-09	0.0E+00	1.5E-08	8.2E-09	0.0E+00	8.8E-10	0.0E+00	2.39E-08	0	2.63E-04
school	591414.99	4142464.85	0.23359	0.2246	0.136	0.91495	0.001288862	School	0.00E+00	1.91E-07	1.02E-07	8.26E-08	3.81E-08	3.65E-08	0.0E+00	0.0E+00	3.4E-08	7.8E-09	0.0E+00	0.0E+00	4.14E-08	0	2.58E-04
path	590414.99	4142564.85	0.27149	0.5079	0.25672	0.69117	0.001061835	Parks/Paths	0.00E+00	3.78E-08	2.02E-08	1.64E-08	7.56E-09	7.25E-09	0.0E+00	1.2E-08	6.7E-09	0.0E+00	7.1E-10	0.0E+00	1.93E-08	0	2.12E-04
offsite	590914.99	4142564.85	0.25287	0.32319	0.17319	0.79032	0.00114871	Residential	3.98E-07	1.20E-06	6.95E-07	6.30E-07	2.87E-07	2.57E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.03E-06	1	2.30E-04
offsite	591014.99	4142564.85	0.24778	0.29208	0.16268	0.79753	0.001151323	Residential	3.99E-07	1.20E-06	6.97E-07	6.31E-07	2.88E-07	2.57E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.03E-06	1	2.30E-04
offsite	591114.99	4142564.85	0.24122	0.26531	0.15298	0.7976	0.001145075	Residential	3.96E-07	1.20E-06	6.93E-07	6.28E-07	2.87E-07	2.56E-07	1.6E-08	3.8E-07	0.0E+00	4.1E-07	0.0E+00	2.2E-07	1.02E-06	1	2.29E-04
park	591214.99	4142564.85	0.23304	0.242	0.14374	0.78962	0.001128571	Parks/Paths	0.00E+00	4.02E-08	2.14E-08	1.74E-08	8.04E-09	7.70E-09	0.0E+00	1.3E-08	7.1E-09	0.0E+00	7.6E-10	0.0E+00	2.05E-08	0	2.26E-04
park	591314.99	4142564.85	0.22503	0.22274	0.13596	0.77542	0.00110476	Parks/Paths	0.00E+00	3.93E-08	2.10E-08	1.71E-08	7.87E-09	7.54E-09	0.0E+00	1.2E-08	6.9E-09	0.0E+00	7.4E-10	0.0E+00	2.00E-08	0	2.21E-04
school	591414.99	4142564.85	0.21631	0.20601	0.12896	0.75252	0.001069931	School	0.00E+00	1.58E-07	8.44E-08	6.86E-08	3.17E-08	3.03E-08	0.0E+00	0.0E+00	2.8E-08	6.5E-09	0.0E+00	0.0E+00	3.43E-08	0	2.14E-04
path	590314.99	4142664.85	0.25944	0.44505	0.25161	0.60893	0.000943387	Parks/Paths	0.00E+00	3.36E-08	1.79E-08	1.46E-08	6.72E-09	6.44E-09	0.0E+00	1.1E-08	5.9E-09	0.0E+00	6.3E-10	0.0E+00	1.71E-08	0	1.89E-04
offsite	590514.99	4142664.85	0.25404	0.41007	0.21451	0.6475	0.000981241	Residential	3.40E-07	1.03E-06	5.94E-07	5.38E-07	2.46E-07	2.19E-07	1.3E-08	3.2E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.77E-07	1	1.96E-04
offsite	590614.99	4142664.85	0.25068	0.37983	0.19855	0.66356	0.000994739	Residential	3.44E-07	1.04E-06	6.02E-07	5.46E-07	2.49E-07	2.22E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.89E-07	1	1.99E-04
offsite	590714.99	4142664.85	0.24699	0.34707	0.1848	0.67681	0.001004625	Residential	3.48E-07	1.05E-06	6.08E-07	5.51E-07	2.51E-07	2.24E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.98E-07	1	2.01E-04
offsite	590814.99	4142664.85	0.24273	0.31547	0.17281	0.68629	0.001009984	Residential	3.50E-07	1.06E-06	6.11E-07	5.54E-07	2.53E-07	2.26E-07	1.4E-08	3.3E-07	0.0E+00	3.7E-07	0.0E+00	1.9E-07	9.03E-07	1	2.02E-04
offsite	590914.99	4142664.85	0.23784	0.28696	0.16229	0.69129	0.001010065	Residential	3.50E-07	1.06E-06	6.11E-07	5.54E-07	2.53E-07	2.26E-07	1.4E-08	3.3E-07	0.0E+00	3.7E-07	0.0E+00	1.9E-07	9.03E-07	1	2.02E-04
offsite	591014.99	4142664.85	0.23171	0.26156	0.1526	0.69051	0.001002949	Residential	3.47E-07	1.05E-06	6.07E-07	5.50E-07	2.51E-07	2.24E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.96E-07	1	2.01E-04
park	591214.99	4142664.85	0.21754	0.22082	0.13608	0.67184	0.000967874	Parks/Paths	0.00E+00	3.45E-08	1.84E-08	1.49E-08	6.89E-09	6.61E-09	0.0E+00	1.1E-08	6.1E-09	0.0E+00	6.5E-10	0.0E+00	1.76E-08	0	1.94E-04
path	590314.99	4142764.85	0.24731	0.39154	0.22971	0.56168	0.00086857	Parks/Paths	0.00E+00	3.09E-08	1.65E-08	1.34E-08	6.19E-09	5.93E-09	0.0E+00	9.7E-09	5.4E-09	0.0E+00	5.8E-10	0.0E+00	1.58E-08	0	1.74E-04
offsite	590514.99	4142764.85	0.24083	0.35663	0.19765	0.58801	0.000891245	Residential	3.09E-07	9.32E-07	5.39E-07	4.89E-07	2.23E-07	1.99E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.96E-07	1	1.78E-04
offsite	590614.99	4142764.85	0.23728	0.33195	0.18406	0.59817	0.000898168	Residential	3.11E-07	9.39E-07	5.43E-07	4.93E-07	2.25E-07	2.01E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.03E-07	1	1.80E-04
offsite	590714.99	4142764.85	0.23333	0.30603	0.17223	0.60541	0.000901398	Residential	3.12E-07	9.42E-07	5.45E-07	4.94E-07	2.26E-07	2.01E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.06E-07	1	1.80E-04
offsite	590814.99	4142764.85	0.22849	0.28069	0.16162	0.60864	0.000899556	Residential	3.11E-07	9.40E-07	5.44E-07	4.93E-07	2.25E-07	2.01E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.04E-07	1	1.80E-04
offsite	590914.99	4142764.85	0.2232	0.25764	0.15227	0.6079	0.000892989	Residential	3.09E-07	9.33E-07	5.40E-07	4.90E-07	2.23E-07	2.00E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.98E-07	1	1.79E-04
offsite	591014.99	4142764.85	0.21717	0.23696	0.14378	0.60243	0.000880589	Residential	3.05E-07	9.20E-07	5.33E-07	4.83E-07	2.20E-07	1.97E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.87E-07	1	1.76E-04
offsite	591114.99	4142764.85	0.21088	0.21906	0.13628	0.59243	0.00086277	Residential	2.99E-07	9.02E-07	5.22E-07	4.73E-07	2.16E-07	1.93E-07	1.2E-08	2.8E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.71E-07	1	1.73E-04
park	591239.54	4140294.63	8.68408	1.04294	0.6985	0.17813	0.001870729	Parks/Paths	0.00E+00	6.66E-08	3.55E-08	2.89E-08	1.33E-08	1.28E-08	0.0E+00	2.1E-08	1.2E-08	0.0E+00	1.3E-09	0.0E+00	3.39E-08	0	3.74E-04
park	591338.72	4140348.36	8.10935	1.70094	0.60488	0.1989	0.001872371	Parks/Paths	0.00E+00	6.67E-08	3.56E-08	2.89E-08	1.33E-08	1.28E-08	0.0E+00	2.1E-08	1.2E-08	0.0E+00	1.3E-09	0.0E+00	3.40E-08	0	3.74E-04
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.000993883	Daycare	8.19E-08	2.72E-07	1.45E-07	1.18E-07	5.45E-08	5.22E-08	3.2E-09	8.6E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.16E-07	0	1.99E-04
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.001097028	Daycare	9.04E-08	3.01E-07	1.60E-07	1.30E-07	6.01E-08	5.76E-08	3.6E-09	9.4E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.28E-07	0	4.82E-04
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.00135296	Daycare	1.12E-07	3.71E-07	1.98E-07	1.61E-07	7.41E-08	7.10E-08	4.4E-09	1.2E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.58E-07	0	6.13E-04

Roadway HRA
Near Term No Project

	AERMOD Output							Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	**CHRONIC HAZARD QUOTIENT**
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.002321233	Daycare	1.91E-07	6.36E-07	3.39E-07	2.76E-07	1.27E-07	1.22E-07	7.5E-09	2.0E-07	6.4E-08	0.0E+00	0.0E+00	0.0E+00	2.71E-07	0	1.11E-03
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.000912965	Daycare	7.52E-08	2.50E-07	1.33E-07	1.08E-07	5.00E-08	4.79E-08	3.0E-09	7.9E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.07E-07	0	3.73E-04
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.000908006	Daycare	7.48E-08	2.49E-07	1.33E-07	1.08E-07	4.98E-08	4.77E-08	2.9E-09	7.8E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.06E-07	0	3.73E-04
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.000944711	Daycare	7.79E-08	2.59E-07	1.38E-07	1.12E-07	5.18E-08	4.96E-08	3.1E-09	8.1E-08	2.6E-08	0.0E+00	0.0E+00	0.0E+00	1.10E-07	0	3.94E-04
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.001045029	Daycare	8.61E-08	2.86E-07	1.53E-07	1.24E-07	5.73E-08	5.49E-08	3.4E-09	9.0E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.22E-07	0	4.44E-04
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.001226345	Daycare	1.01E-07	3.36E-07	1.79E-07	1.46E-07	6.72E-08	6.44E-08	4.0E-09	1.1E-07	3.4E-08	0.0E+00	0.0E+00	0.0E+00	1.43E-07	0	5.37E-04
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.001634366	Daycare	1.35E-07	4.48E-07	2.39E-07	1.94E-07	8.96E-08	8.58E-08	5.3E-09	1.4E-07	4.5E-08	0.0E+00	0.0E+00	0.0E+00	1.91E-07	0	7.45E-04
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.001236022	Daycare	1.02E-07	3.39E-07	1.81E-07	1.47E-07	6.77E-08	6.49E-08	4.0E-09	1.1E-07	3.4E-08	0.0E+00	0.0E+00	0.0E+00	1.44E-07	0	4.92E-04
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.000985161	Daycare	8.12E-08	2.70E-07	1.44E-07	1.17E-07	5.40E-08	5.17E-08	3.2E-09	8.5E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.15E-07	0	3.90E-04
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.000909036	Daycare	7.49E-08	2.49E-07	1.33E-07	1.08E-07	4.98E-08	4.77E-08	2.9E-09	7.8E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.06E-07	0	3.59E-04
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.000894594	Daycare	7.37E-08	2.45E-07	1.31E-07	1.06E-07	4.90E-08	4.70E-08	2.9E-09	7.7E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.05E-07	0	3.54E-04
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.000912379	Daycare	7.52E-08	2.50E-07	1.33E-07	1.08E-07	5.00E-08	4.79E-08	3.0E-09	7.9E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.07E-07	0	3.64E-04
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.000975696	Daycare	8.04E-08	2.67E-07	1.43E-07	1.16E-07	5.35E-08	5.12E-08	3.2E-09	8.4E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.14E-07	0	3.96E-04
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.001091412	Daycare	9.00E-08	2.99E-07	1.59E-07	1.30E-07	5.98E-08	5.73E-08	3.5E-09	9.4E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.28E-07	0	4.54E-04
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.001368889	Daycare	1.13E-07	3.75E-07	2.00E-07	1.63E-07	7.50E-08	7.19E-08	4.4E-09	1.2E-07	3.8E-08	0.0E+00	0.0E+00	0.0E+00	1.60E-07	0	5.95E-04
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.002757373	Daycare	2.27E-07	7.55E-07	4.03E-07	3.27E-07	1.51E-07	1.45E-07	8.9E-09	2.4E-07	7.6E-08	0.0E+00	0.0E+00	0.0E+00	3.22E-07	0	1.10E-03
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.001258922	Daycare	1.04E-07	3.45E-07	1.84E-07	1.49E-07	6.90E-08	6.61E-08	4.1E-09	1.1E-07	3.5E-08	0.0E+00	0.0E+00	0.0E+00	1.47E-07	0	4.91E-04
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.001014199	Daycare	8.36E-08	2.78E-07	1.48E-07	1.20E-07	5.56E-08	5.33E-08	3.3E-09	8.7E-08	2.8E-08	0.0E+00	0.0E+00	0.0E+00	1.19E-07	0	3.90E-04
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.000940542	Daycare	7.75E-08	2.58E-07	1.37E-07	1.12E-07	5.15E-08	4.94E-08	3.0E-09	8.1E-08	2.6E-08	0.0E+00	0.0E+00	0.0E+00	1.10E-07	0	3.59E-04
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.000920538	Daycare	7.59E-08	2.52E-07	1.35E-07	1.09E-07	5.04E-08	4.83E-08	3.0E-09	7.9E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.08E-07	0	3.51E-04
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.000934575	Daycare	7.70E-08	2.56E-07	1.37E-07	1.11E-07	5.12E-08	4.91E-08	3.0E-09	8.0E-08	2.6E-08	0.0E+00	0.0E+00	0.0E+00	1.09E-07	0	3.59E-04
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.000992063	Daycare	8.18E-08	2.72E-07	1.45E-07	1.18E-07	5.44E-08	5.21E-08	3.2E-09	8.5E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.16E-07	0	3.88E-04
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.00111802	Daycare	9.21E-08	3.06E-07	1.63E-07	1.33E-07	6.13E-08	5.87E-08	3.6E-09	9.6E-08	3.1E-08	0.0E+00	0.0E+00	0.0E+00	1.31E-07	0	4.53E-04
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.002830188	Daycare	2.33E-07	7.75E-07	4.14E-07	3.36E-07	1.55E-07	1.49E-07	9.2E-09	2.4E-07	7.8E-08	0.0E+00	0.0E+00	0.0E+00	3.31E-07	0	1.12E-03
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.001319932	Daycare	1.09E-07	3.62E-07	1.93E-07	1.57E-07	7.23E-08	6.93E-08	4.3E-09	1.1E-07	3.6E-08	0.0E+00	0.0E+00	0.0E+00	1.54E-07	0	5.02E-04
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.00107905	Daycare	8.89E-08	2.96E-07	1.58E-07	1.28E-07	5.91E-08	5.67E-08	3.5E-09	9.3E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.26E-07	0	4.02E-04
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.001001225	Daycare	8.25E-08	2.74E-07	1.46E-07	1.19E-07	5.49E-08	5.26E-08	3.2E-09	8.6E-08	2.8E-08	0.0E+00	0.0E+00	0.0E+00	1.17E-07	0	3.69E-04
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.000980439	Daycare	8.08E-08	2.69E-07	1.43E-07	1.16E-07	5.37E-08	5.15E-08	3.2E-09	8.4E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.15E-07	0	3.62E-04
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.000993408	Daycare	8.19E-08	2.72E-07	1.45E-07	1.18E-07	5.44E-08	5.22E-08	3.2E-09	8.6E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.16E-07	0	3.69E-04
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.001059899	Daycare	8.74E-08	2.90E-07	1.55E-07	1.26E-07	5.81E-08	5.57E-08	3.4E-09	9.1E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.24E-07	0	4.05E-04
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.001278673	Daycare	1.05E-07	3.50E-07	1.87E-07	1.52E-07	7.01E-08	6.71E-08	4.1E-09	1.1E-07	3.5E-08	0.0E+00	0.0E+00	0.0E+00	1.49E-07	0	5.16E-04
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.001098203	Daycare	9.05E-08	3.01E-07	1.60E-07	1.30E-07	6.02E-08	5.77E-08	3.6E-09	9.5E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.28E-07	0	3.91E-04
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.001073833	Daycare	8.85E-08	2.94E-07	1.57E-07	1.27E-07	5.88E-08	5.64E-08	3.5E-09	9.2E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.26E-07	0	3.83E-04
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.001092677	Daycare	9.01E-08	2.99E-07	1.60E-07	1.30E-07	5.99E-08	5.74E-08	3.5E-09	9.4E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.28E-07	0	3.96E-04
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.001192821	Daycare	9.83E-08	3.27E-07	1.74E-07	1.42E-07	6.54E-08	6.26E-08	3.9E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.39E-07	0	4.49E-04
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.001235772	Daycare	1.02E-07	3.39E-07	1.81E-07	1.47E-07	6.77E-08	6.49E-08	4.0E-09	1.1E-07	3.4E-08	0.0E+00	0.0E+00	0.0E+00	1.44E-07	0	4.38E-04
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.001452615	Daycare	1.20E-07	3.98E-07	2.12E-07	1.72E-07	7.96E-08	7.63E-08	4.7E-09	1.3E-07	4.0E-08	0.0E+00	0.0E+00	0.0E+00	1.70E-07	0	5.53E-04

Roadway HRA
Near Term No Project

City Place Roadway HRA - PM2.5

Truck g/s	Annual Average Scaling Factor
Tasman	0.01431
Lafayette	0.01152
Great Am	0.01790
SR237	0.09565

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
			Tasman	Lafayette	Great Am	SR237	
offsite	589514.99	4139264.85	0.05088	0.05261	0.06785	0.02777	0.005204714
offsite	589614.99	4139264.85	0.05251	0.05453	0.07232	0.02872	0.005421032
offsite	591314.99	4139264.85	0.2687	0.20607	0.38608	0.06837	0.019668491
offsite	591414.99	4139264.85	0.27804	0.24712	0.36442	0.07198	0.020232611
offsite	591514.99	4139264.85	0.28462	0.30485	0.34343	0.07557	0.020959471
offsite	591614.99	4139264.85	0.28878	0.38998	0.32349	0.07909	0.021979446
offsite	591714.99	4139264.85	0.29081	0.52306	0.30474	0.08259	0.023540703
offsite	591814.99	4139264.85	0.29112	0.75006	0.28726	0.08602	0.02617532
offsite	591914.99	4139264.85	0.29007	1.19573	0.27098	0.08937	0.031323322
offsite	592014.99	4139264.85	0.2879	2.39111	0.25587	0.09256	0.045097384
offsite	592214.99	4139264.85	0.28099	4.09509	0.22881	0.09839	0.06470118
offsite	592314.99	4139264.85	0.27645	1.88998	0.21675	0.10098	0.039265855
offsite	592414.99	4139264.85	0.2713	1.20418	0.20553	0.1034	0.031322597
offsite	592514.99	4139264.85	0.2656	0.87457	0.19506	0.10569	0.027475667
offsite	592614.99	4139264.85	0.25938	0.68363	0.18535	0.10776	0.025211297
offsite	592714.99	4139264.85	0.2527	0.5596	0.17633	0.10956	0.023697654
offsite	592814.99	4139264.85	0.24562	0.47236	0.1679	0.11113	0.022590659
offsite	589514.99	4139364.85	0.05643	0.05669	0.07674	0.02857	0.005566766
offsite	589614.99	4139364.85	0.05833	0.05891	0.08234	0.0296	0.005818281
offsite	591314.99	4139364.85	0.31997	0.25192	0.42834	0.07358	0.022184978
offsite	591414.99	4139364.85	0.32752	0.30726	0.39787	0.07747	0.022757195
offsite	591514.99	4139364.85	0.33166	0.38617	0.37007	0.08134	0.023598021
offsite	591614.99	4139364.85	0.33292	0.50452	0.34488	0.0851	0.024888174
offsite	591714.99	4139364.85	0.33191	0.69354	0.322	0.0888	0.026995556
offsite	591814.99	4139364.85	0.32913	1.02971	0.30126	0.09239	0.030800523
offsite	591914.99	4139364.85	0.32514	1.7639	0.28236	0.09588	0.039196625
offsite	592014.99	4139364.85	0.32024	4.79237	0.26509	0.09921	0.074023034
offsite	592114.99	4139364.85	0.31461	8.53549	0.24931	0.10233	0.117078147
offsite	592214.99	4139364.85	0.30837	2.58775	0.23485	0.10521	0.048489242
offsite	592314.99	4139364.85	0.3016	1.50271	0.22162	0.10782	0.035905871
offsite	592414.99	4139364.85	0.29436	1.04274	0.20942	0.11025	0.030517623
offsite	592514.99	4139364.85	0.28666	0.79215	0.19818	0.11247	0.027531888
offsite	592614.99	4139364.85	0.27854	0.63556	0.18778	0.11449	0.025618903
offsite	592714.99	4139364.85	0.27005	0.52875	0.17815	0.11625	0.024262989
offsite	592814.99	4139364.85	0.26122	0.45129	0.16921	0.1178	0.023232577
offsite	589514.99	4139464.85	0.06327	0.06126	0.08849	0.02945	0.006011763
offsite	589614.99	4139464.85	0.06564	0.06384	0.09592	0.03054	0.006312644
offsite	591314.99	4139464.85	0.38475	0.30664	0.46849	0.07954	0.025030909
offsite	591414.99	4139464.85	0.38848	0.37931	0.42904	0.08372	0.025615112
offsite	591514.99	4139464.85	0.38825	0.48412	0.39457	0.08784	0.0265963
offsite	591614.99	4139464.85	0.385	0.64356	0.36427	0.09186	0.028228677
offsite	591714.99	4139464.85	0.3796	0.9065	0.33742	0.09578	0.03107477
offsite	591814.99	4139464.85	0.37271	1.40965	0.31354	0.09958	0.036708378
offsite	591914.99	4139464.85	0.36484	2.79447	0.2922	0.10319	0.052511845
offsite	592114.99	4139464.85	0.34764	3.82616	0.25565	0.10977	0.064125702
offsite	592214.99	4139464.85	0.33854	1.91145	0.23984	0.11273	0.041938729
offsite	592314.99	4139464.85	0.32915	1.25168	0.22553	0.11535	0.034198487

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	592414.99	4139464.85	0.31945	0.92049	0.21244	0.11777	0.030241665
offsite	592514.99	4139464.85	0.30943	0.72293	0.20043	0.11999	0.027819846
offsite	592614.99	4139464.85	0.29909	0.59192	0.1894	0.12196	0.026153713
offsite	592714.99	4139464.85	0.28852	0.49921	0.1793	0.12357	0.024907707
offsite	592814.99	4139464.85	0.27768	0.43017	0.16995	0.12496	0.02392289
offsite	589514.99	4139564.85	0.07174	0.06637	0.10402	0.03044	0.006564483
offsite	589614.99	4139564.85	0.07492	0.06936	0.1144	0.0316	0.006941174
offsite	591314.99	4139564.85	0.46686	0.37064	0.5048	0.0863	0.02823948
offsite	591414.99	4139564.85	0.4636	0.46362	0.45689	0.09085	0.028841603
offsite	591514.99	4139564.85	0.45636	0.59963	0.41622	0.09526	0.029998674
offsite	591614.99	4139564.85	0.4464	0.81202	0.38125	0.09953	0.03208534
offsite	591714.99	4139564.85	0.43476	1.18349	0.35086	0.10363	0.036046244
offsite	591814.99	4139564.85	0.42238	2.00305	0.32415	0.10758	0.045209951
offsite	591914.99	4139564.85	0.40971	5.86446	0.30053	0.11134	0.089447893
offsite	592014.99	4139564.85	0.39704	7.00855	0.27953	0.11485	0.102406063
offsite	592114.99	4139564.85	0.38448	2.51944	0.26072	0.11807	0.050484399
offsite	592214.99	4139564.85	0.372	1.52225	0.24378	0.12101	0.038796498
offsite	592314.99	4139564.85	0.35952	1.07498	0.22847	0.12364	0.033443044
offsite	592414.99	4139564.85	0.34691	0.82411	0.21455	0.12605	0.030354038
offsite	592514.99	4139564.85	0.33418	0.66382	0.20191	0.12816	0.028300987
offsite	592614.99	4139564.85	0.32129	0.5526	0.19037	0.13	0.026804782
offsite	592714.99	4139564.85	0.30824	0.47134	0.1798	0.13152	0.025638173
offsite	592814.99	4139564.85	0.29508	0.40952	0.17009	0.13271	0.024677762
offsite	589514.99	4139664.85	0.08235	0.07202	0.12445	0.03153	0.007251312
offsite	589614.99	4139664.85	0.08683	0.07548	0.13936	0.03277	0.007740753
offsite	591214.99	4139664.85	0.58037	0.36139	0.60406	0.08895	0.031787114
offsite	591314.99	4139664.85	0.57137	0.44395	0.53614	0.09409	0.031885348
offsite	591414.99	4139664.85	0.55629	0.56124	0.48089	0.099	0.032501455
offsite	591514.99	4139664.85	0.53851	0.73625	0.4347	0.10375	0.033890713
offsite	591614.99	4139664.85	0.51888	1.02267	0.39565	0.10825	0.036640801
offsite	591714.99	4139664.85	0.49898	1.57465	0.36206	0.11254	0.042523845
offsite	591814.99	4139664.85	0.47949	3.18106	0.33286	0.11662	0.060617981
offsite	592014.99	4139664.85	0.44299	3.56393	0.28467	0.12402	0.064351569
offsite	592114.99	4139664.85	0.42593	1.89014	0.26454	0.12729	0.044778366
offsite	592214.99	4139664.85	0.40944	1.26725	0.24655	0.1302	0.037323258
offsite	592314.99	4139664.85	0.39329	0.94302	0.23039	0.13278	0.033314684
offsite	592414.99	4139664.85	0.37724	0.74557	0.21578	0.13511	0.030771841
offsite	592514.99	4139664.85	0.36133	0.61259	0.20258	0.13709	0.028965438
offsite	592614.99	4139664.85	0.34535	0.51692	0.19057	0.13881	0.027584264
offsite	592714.99	4139664.85	0.32938	0.44514	0.17962	0.14017	0.026462978
offsite	592814.99	4139664.85	0.31351	0.38961	0.16963	0.14107	0.025503502
offsite	589514.99	4139764.85	0.09582	0.07825	0.15053	0.03278	0.008102177
offsite	589614.99	4139764.85	0.10237	0.08224	0.17185	0.03411	0.008750682
offsite	591414.99	4139764.85	0.67207	0.67468	0.50088	0.1084	0.036721697
offsite	591514.99	4139764.85	0.63817	0.90226	0.45	0.11346	0.038431614
offsite	591614.99	4139764.85	0.6052	1.30349	0.40746	0.11818	0.042271995
offsite	591714.99	4139764.85	0.57439	2.2152	0.37103	0.12266	0.052110272
offsite	591814.99	4139764.85	0.54589	7.38882	0.33968	0.12683	0.111138871
offsite	591914.99	4139764.85	0.51974	5.9888	0.3123	0.13075	0.09452177
offsite	592014.99	4139764.85	0.49566	2.42979	0.28829	0.13435	0.053093045
offsite	592114.99	4139764.85	0.47322	1.51524	0.26706	0.13756	0.042163669
offsite	592214.99	4139764.85	0.45193	1.08677	0.24817	0.14039	0.036855787
offsite	592314.99	4139764.85	0.43135	0.83996	0.23128	0.14287	0.033653056
offsite	592414.99	4139764.85	0.41119	0.67992	0.2161	0.14504	0.031456855
offsite	592514.99	4139764.85	0.39133	0.56762	0.2024	0.14686	0.029807911
offsite	592614.99	4139764.85	0.37163	0.48444	0.19003	0.14838	0.028491821
offsite	592714.99	4139764.85	0.35216	0.42068	0.17881	0.14948	0.027383145
offsite	592814.99	4139764.85	0.33299	0.37051	0.16858	0.15014	0.026410948
offsite	589514.99	4139864.85	0.11317	0.08502	0.18257	0.03417	0.009134846
offsite	589614.99	4139864.85	0.12303	0.08959	0.21227	0.0356	0.009996951

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	591514.99	4139864.85	0.76151	1.11472	0.46227	0.12462	0.043930867
offsite	591614.99	4139864.85	0.71013	1.71553	0.41662	0.12958	0.049774242
offsite	591714.99	4139864.85	0.66474	3.59784	0.37781	0.13417	0.070552875
offsite	591914.99	4139864.85	0.5892	3.32697	0.31567	0.14233	0.066020002
offsite	592014.99	4139864.85	0.55739	1.85005	0.29046	0.14586	0.048437591
offsite	592114.99	4139864.85	0.52827	1.26517	0.26827	0.14899	0.041185511
offsite	592214.99	4139864.85	0.50094	0.95146	0.24861	0.15171	0.037088911
offsite	592314.99	4139864.85	0.47483	0.75653	0.23112	0.15402	0.034377702
offsite	592414.99	4139864.85	0.44946	0.62384	0.21547	0.156	0.032395438
offsite	592514.99	4139864.85	0.42468	0.52763	0.20143	0.15762	0.030836237
offsite	592614.99	4139864.85	0.40042	0.4547	0.18877	0.15884	0.029539096
offsite	592714.99	4139864.85	0.37668	0.39772	0.17733	0.15962	0.028412884
offsite	592814.99	4139864.85	0.35358	0.35228	0.16694	0.15988	0.027397823
offsite	589514.99	4139964.85	0.1355	0.09241	0.21998	0.03578	0.010363071
offsite	589614.99	4139964.85	0.15049	0.09759	0.2593	0.03731	0.011487356
offsite	591714.99	4139964.85	0.77659	9.94221	0.38237	0.14732	0.146577944
offsite	591814.99	4139964.85	0.72109	5.2517	0.34746	0.15156	0.091531234
offsite	591914.99	4139964.85	0.67343	2.33495	0.31735	0.15538	0.05707565
offsite	592014.99	4139964.85	0.63162	1.49386	0.29113	0.15879	0.04664519
offsite	592114.99	4139964.85	0.59386	1.08577	0.26816	0.16176	0.041276799
offsite	592214.99	4139964.85	0.55875	0.84546	0.24789	0.16425	0.037881515
offsite	592314.99	4139964.85	0.52528	0.6871	0.22992	0.16635	0.035457601
offsite	592414.99	4139964.85	0.49319	0.57518	0.21392	0.16804	0.033584451
offsite	592514.99	4139964.85	0.46207	0.49174	0.19962	0.16939	0.032051169
offsite	592614.99	4139964.85	0.43204	0.4273	0.18678	0.17026	0.030732576
offsite	592714.99	4139964.85	0.40301	0.37616	0.17518	0.17059	0.029552046
offsite	592814.99	4139964.85	0.37521	0.3348	0.16477	0.17046	0.028479078
offsite	589514.99	4140064.85	0.16336	0.10044	0.26147	0.03763	0.011773773
offsite	589614.99	4140064.85	0.18576	0.10626	0.31074	0.03927	0.013200068
offsite	591714.99	4140064.85	0.92158	13.8534	0.3848	0.16235	0.195189316
offsite	591814.99	4140064.85	0.84405	3.115	0.34854	0.16643	0.070117967
offsite	591914.99	4140064.85	0.77957	1.79925	0.31737	0.17008	0.053829563
offsite	592014.99	4140064.85	0.72404	1.25157	0.29034	0.17327	0.046547264
offsite	592114.99	4140064.85	0.6743	0.95021	0.26674	0.17598	0.042200822
offsite	592214.99	4140064.85	0.62831	0.75962	0.24601	0.17818	0.039186662
offsite	592314.99	4140064.85	0.58486	0.62819	0.22772	0.17994	0.036891936
offsite	592414.99	4140064.85	0.54354	0.5323	0.21148	0.18128	0.035033616
offsite	592514.99	4140064.85	0.50417	0.45931	0.19704	0.18223	0.033461911
offsite	592614.99	4140064.85	0.46672	0.40195	0.18409	0.18266	0.032074661
offsite	592714.99	4140064.85	0.43127	0.35558	0.17246	0.18268	0.030827038
offsite	592814.99	4140064.85	0.39774	0.31796	0.16203	0.18192	0.029654553
offsite	591714.99	4140164.85	1.12207	4.67306	0.38497	0.17955	0.093951149
offsite	591814.99	4140164.85	1.01002	2.23709	0.3476	0.18333	0.063978983
offsite	591914.99	4140164.85	0.92013	1.4641	0.31567	0.18667	0.053536213
offsite	592014.99	4140164.85	0.8445	1.07664	0.28798	0.18945	0.047760992
offsite	592114.99	4140164.85	0.77651	0.84378	0.26401	0.19181	0.04390244
offsite	592214.99	4140164.85	0.71389	0.68812	0.24302	0.19364	0.041012685
offsite	592314.99	4140164.85	0.65581	0.57702	0.22455	0.19498	0.038699441
offsite	592414.99	4140164.85	0.60173	0.49396	0.20822	0.19588	0.036762658
offsite	592514.99	4140164.85	0.5514	0.42961	0.1937	0.19631	0.035082504
offsite	592614.99	4140164.85	0.50465	0.37826	0.18081	0.19625	0.033585633
offsite	592714.99	4140164.85	0.46122	0.33638	0.16924	0.19562	0.03221446
offsite	592814.99	4140164.85	0.42083	0.30187	0.15885	0.19425	0.030922021
park	591314.99	4140264.85	3.71116	1.26672	0.62519	0.17734	0.095842733
park	591414.99	4140264.85	2.61034	1.98131	0.54596	0.18428	0.087570337
offsite	591614.99	4140264.85	1.66859	9.94362	0.42775	0.19514	0.16474275
offsite	591714.99	4140264.85	1.42631	2.92379	0.38285	0.19924	0.079998383
offsite	591814.99	4140264.85	1.25238	1.74602	0.34475	0.20256	0.063577913
park	591914.99	4140264.85	1.11874	1.23198	0.31227	0.20539	0.055433596
offsite	592014.99	4140264.85	1.00858	0.94259	0.28416	0.20761	0.050232994

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	592114.99	4140264.85	0.91008	0.75671	0.26006	0.20953	0.046434704
offsite	592214.99	4140264.85	0.82132	0.6272	0.23894	0.2108	0.043416301
offsite	592314.99	4140264.85	0.74101	0.53202	0.22043	0.21159	0.040915073
offsite	592414.99	4140264.85	0.66892	0.45938	0.20411	0.21192	0.038786306
offsite	592514.99	4140264.85	0.60439	0.40219	0.18973	0.21182	0.036937277
offsite	592614.99	4140264.85	0.54602	0.35602	0.17696	0.21112	0.035274757
path	592714.99	4140264.85	0.49279	0.31798	0.1655	0.20976	0.03373975
path	592814.99	4140264.85	0.44411	0.28653	0.15534	0.20749	0.032281983
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.086534181
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.09563033
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.118632486
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.206370691
park	591414.99	4140364.85	5.41692	2.89298	0.54444	0.20822	0.140490227
offsite	591614.99	4140364.85	2.4506	4.22363	0.42399	0.21825	0.112181862
school	591714.99	4140364.85	1.96167	2.14283	0.37841	0.22174	0.080734268
school	591814.99	4140364.85	1.65135	1.42893	0.33983	0.22438	0.067632419
school	591914.99	4140364.85	1.42828	1.06106	0.30709	0.22649	0.059818901
offsite	592014.99	4140364.85	1.24904	0.83606	0.27898	0.22808	0.054311434
offsite	592114.99	4140364.85	1.09253	0.68386	0.25469	0.22916	0.049987405
offsite	592214.99	4140364.85	0.95749	0.57429	0.23375	0.22984	0.046483344
offsite	592314.99	4140364.85	0.84282	0.49179	0.21533	0.22993	0.043571236
offsite	592414.99	4140364.85	0.74664	0.42777	0.19931	0.2297	0.041148907
offsite	592514.99	4140364.85	0.66397	0.37671	0.18514	0.22888	0.039045847
offsite	592614.99	4140364.85	0.59118	0.33511	0.17259	0.22737	0.037156118
path	592714.99	4140364.85	0.52588	0.30063	0.16139	0.225	0.035397477
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.078884918
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.078094831
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.081180135
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.089988447
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.106241116
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.143126007
offsite	591514.99	4140464.85	11.9602	7.63164	0.47473	0.24289	0.290764423
offsite	591614.99	4140464.85	4.79699	2.755	0.41739	0.24482	0.131257856
offsite	591714.99	4140464.85	3.21746	1.68904	0.37142	0.24733	0.095796499
school	591814.99	4140464.85	2.45836	1.20613	0.33287	0.24912	0.078853923
offsite	591914.99	4140464.85	1.986	0.92893	0.3001	0.25022	0.068421046
offsite	592014.99	4140464.85	1.63071	0.74846	0.27223	0.25096	0.060830717
offsite	592114.99	4140464.85	1.34734	0.62145	0.24827	0.25126	0.054913123
offsite	592214.99	4140464.85	1.12997	0.52748	0.22756	0.25109	0.05033365
offsite	592314.99	4140464.85	0.96534	0.4554	0.20953	0.25045	0.046763932
offsite	592414.99	4140464.85	0.83775	0.39864	0.19389	0.24947	0.043910903
offsite	592514.99	4140464.85	0.73267	0.35289	0.17999	0.24775	0.041467129
path	592614.99	4140464.85	0.64175	0.31531	0.16782	0.24532	0.039283118
path	592714.99	4140464.85	0.56081	0.28388	0.15696	0.24196	0.037247233
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.108330968
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.085083829
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.077743919
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.076061634
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.077404692
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.082854048
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.093135882
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.118217897
offsite	591714.99	4140564.85	10.93829	1.38917	0.36212	0.27662	0.205442692
offsite	591814.99	4140564.85	5.08341	1.03982	0.32392	0.27721	0.117022517
offsite	591914.99	4140564.85	3.31374	0.82289	0.29163	0.27719	0.088624188
offsite	592014.99	4140564.85	2.30074	0.67452	0.26411	0.27675	0.07188688
offsite	592114.99	4140564.85	1.70781	0.56694	0.24071	0.27608	0.06168134
offsite	592214.99	4140564.85	1.34913	0.48554	0.22049	0.27495	0.055141828
offsite	592314.99	4140564.85	1.11598	0.42217	0.20302	0.27345	0.050619864
offsite	592414.99	4140564.85	0.94989	0.37164	0.18778	0.27147	0.047199273

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
path	592514.99	4140564.85	0.8165	0.33059	0.17448	0.26884	0.044328295
path	592614.99	4140564.85	0.70008	0.29661	0.16272	0.2652	0.041712515
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.246221234
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.109509977
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.086737194
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.0795594
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.077366139
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.078341225
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.083279579
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.094602375
offsite	591314.99	4140664.85	2.2313	6.67174	0.60105	0.30516	0.148728061
offsite	591914.99	4140664.85	10.44952	0.73481	0.28149	0.30771	0.19244218
offsite	592014.99	4140664.85	3.56423	0.61041	0.2545	0.30574	0.0918266
offsite	592114.99	4140664.85	2.21972	0.51823	0.23183	0.30389	0.070945463
offsite	592214.99	4140664.85	1.63705	0.44735	0.21243	0.30176	0.061241437
path	592314.99	4140664.85	1.31516	0.39137	0.19591	0.29966	0.055494573
path	592414.99	4140664.85	1.10459	0.3466	0.18136	0.29643	0.051396727
path	592514.99	4140664.85	0.92734	0.30971	0.16864	0.29256	0.047837919
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.251683706
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.113748576
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.091234669
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.083670299
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.081454215
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.082317459
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.088223996
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.108002408
offsite	592014.99	4140764.85	6.87477	0.55498	0.24466	0.33969	0.141624706
path	592114.99	4140764.85	3.07953	0.47503	0.2229	0.33659	0.085717464
path	592214.99	4140764.85	2.08739	0.41318	0.20444	0.33305	0.070140944
path	592314.99	4140764.85	1.63289	0.36343	0.18843	0.3294	0.062429404
offsite	590714.99	4140864.85	0.90408	0.66981	2.33819	0.37835	0.098692549
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.090573648
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.088103734
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.08969147
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.098747418
offsite	591214.99	4140864.85	1.29664	8.59958	0.66601	0.41344	0.169083479
Phase7	591314.99	4140864.85	1.42654	5.62814	0.56007	0.41045	0.134529631
path	591914.99	4140864.85	5.18803	0.59501	0.25766	0.38347	0.122373184
path	592114.99	4140864.85	5.25384	0.43635	0.21317	0.37399	0.119783929
Phase5	590714.99	4140964.85	0.81493	0.74878	2.31683	0.49909	0.109493363
Phase5	590814.99	4140964.85	0.83379	0.88609	1.58334	0.51162	0.099414588
Phase5	590914.99	4140964.85	0.91505	1.24463	1.21985	0.50918	0.097967916
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.100577
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.120448734
Phase7	591314.99	4140964.85	1.21455	3.18739	0.52992	0.48559	0.110027423
Phase7	591414.99	4140964.85	1.32649	1.82344	0.44189	0.47575	0.093399805
Phase8	591514.99	4140964.85	1.45834	1.26834	0.38068	0.46563	0.086828046
Phase8	591614.99	4140964.85	1.6083	0.97352	0.34277	0.45232	0.083625672
path	591914.99	4140964.85	3.37142	0.53894	0.24442	0.43132	0.100076132
offsite	592014.99	4140964.85	6.49538	0.46182	0.22203	0.42478	0.142857333
Phase5	590714.99	4141064.85	0.72377	0.81963	2.24297	0.65508	0.122603878
Phase5	590814.99	4141064.85	0.75236	0.94849	1.4133	0.62764	0.107022244
Phase5	590914.99	4141064.85	0.80363	1.33396	1.10899	0.63147	0.107115726
Phase5	591014.99	4141064.85	0.85389	2.16383	0.87437	0.62034	0.112130573
Phase7	591214.99	4141064.85	0.991	4.86026	0.59714	0.57695	0.136041867
Phase7	591314.99	4141064.85	1.06395	2.20454	0.4846	0.56748	0.103572259
Phase7	591414.99	4141064.85	1.13226	1.42228	0.40726	0.53866	0.091397192
Phase8	591514.99	4141064.85	1.23404	1.05573	0.34975	0.52408	0.086206873
Phase8	591614.99	4141064.85	1.37544	0.83569	0.30539	0.51456	0.083990539
Phase8	591714.99	4141064.85	1.59145	0.69287	0.28386	0.5096	0.084576047

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
path	591814.99	4141064.85	1.89556	0.57616	0.25559	0.49832	0.085997664
offsite	591914.99	4141064.85	2.41673	0.48979	0.23101	0.48968	0.091192933
offsite	592014.99	4141064.85	3.27292	0.42304	0.21038	0.48094	0.101468641
offsite	592114.99	4141064.85	4.71179	0.37021	0.19296	0.47243	0.120320829
offsite	592214.99	4141064.85	6.96192	0.32767	0.17806	0.46392	0.150943728
offsite	592314.99	4141064.85	6.35648	0.29284	0.16511	0.45462	0.140758837
Phase5	590714.99	4141164.85	0.66605	0.89022	2.05619	0.89998	0.142673018
Phase5	590814.99	4141164.85	0.68612	1.08247	1.32866	0.80726	0.123283827
Phase5	590914.99	4141164.85	0.73002	1.62278	1.02757	0.79118	0.123208795
offsite	591014.99	4141164.85	0.78454	3.95294	0.81699	0.78597	0.146564059
Phase6	591114.99	4141164.85	0.82837	11.31349	0.67388	0.72279	0.223377799
Phase6	591214.99	4141164.85	0.88623	2.90624	0.53448	0.69924	0.122608752
Phase7	591314.99	4141164.85	0.93648	1.68259	0.44042	0.65306	0.103130823
Phase8	591414.99	4141164.85	0.98925	1.17518	0.37019	0.63033	0.094609392
Phase8	591514.99	4141164.85	1.07605	0.90795	0.31955	0.60262	0.089215951
Phase8	591614.99	4141164.85	1.19651	0.74458	0.28195	0.59838	0.087978879
path	591714.99	4141164.85	1.32593	0.6184	0.26693	0.58496	0.086824506
path	591814.99	4141164.85	1.51764	0.52094	0.23982	0.57369	0.086881439
offsite	591914.99	4141164.85	1.76524	0.4468	0.21761	0.56265	0.088116362
offsite	592014.99	4141164.85	2.04461	0.38854	0.19887	0.55136	0.090026963
offsite	592114.99	4141164.85	2.27258	0.34199	0.18303	0.54009	0.091390877
offsite	592214.99	4141164.85	2.18962	0.30421	0.1694	0.52879	0.08844389
offsite	592314.99	4141164.85	1.60857	0.27322	0.15771	0.51642	0.078381097
offsite	590714.99	4141264.85	0.61468	1.05837	2.0248	1.28793	0.180421152
offsite	590814.99	4141264.85	0.65479	1.55973	1.39467	1.15212	0.162501311
offsite	590914.99	4141264.85	0.67348	2.36037	0.96176	1.04814	0.154297291
Phase6	591114.99	4141264.85	0.74824	4.34735	0.61261	0.88335	0.156244472
offsite	591214.99	4141264.85	0.79777	2.0811	0.4763	0.8377	0.124040239
Phase6	591314.99	4141264.85	0.83815	1.37172	0.39583	0.76613	0.108160003
Phase6	591414.99	4141264.85	0.89158	1.02073	0.33682	0.72958	0.100328857
Phase8	591514.99	4141264.85	0.95529	0.81218	0.29437	0.71291	0.09648362
path	591614.99	4141264.85	1.01647	0.66847	0.27815	0.7011	0.094283484
path	591714.99	4141264.85	1.10535	0.55716	0.2487	0.68547	0.09225071
offsite	591814.99	4141264.85	1.20513	0.47348	0.22457	0.67137	0.090933746
offsite	591914.99	4141264.85	1.3004	0.40866	0.20454	0.65751	0.089865861
offsite	592014.99	4141264.85	1.35823	0.35748	0.18781	0.64306	0.088422067
offsite	592114.99	4141264.85	1.32263	0.31633	0.17351	0.62793	0.085735522
offsite	592214.99	4141264.85	1.14392	0.2828	0.1612	0.61267	0.081112402
offsite	592314.99	4141264.85	0.86606	0.2551	0.15047	0.59552	0.074985357
offsite	592414.99	4141264.85	0.62559	0.23188	0.14097	0.57329	0.068980984
Phase6	591014.99	4141364.85	0.65236	8.39915	0.6796	1.22889	0.235798682
Phase6	591114.99	4141364.85	0.6702	2.37905	0.49166	1.07077	0.148215718
Phase6	591214.99	4141364.85	0.70511	1.58532	0.40963	0.98857	0.130240836
Phase6	591314.99	4141364.85	0.7409	1.14861	0.34711	0.92318	0.118348427
Phase6	591414.99	4141364.85	0.79013	0.89426	0.30309	0.87162	0.110403038
Phase6	591514.99	4141364.85	0.82169	0.72991	0.28894	0.86575	0.108146569
path	591614.99	4141364.85	0.86752	0.5993	0.25697	0.8421	0.104463298
offsite	591714.99	4141364.85	0.91431	0.50354	0.2312	0.82312	0.101752892
offsite	591814.99	4141364.85	0.95406	0.43077	0.21006	0.80569	0.099437732
offsite	591914.99	4141364.85	0.97257	0.37412	0.19233	0.78766	0.097008025
offsite	592014.99	4141364.85	0.95079	0.32912	0.1773	0.76807	0.094035187
offsite	592114.99	4141364.85	0.87206	0.29278	0.16446	0.74714	0.090258326
offsite	592214.99	4141364.85	0.7397	0.26302	0.15333	0.72574	0.085775608
offsite	592314.99	4141364.85	0.58987	0.23837	0.14363	0.70099	0.080806968
offsite	592414.99	4141364.85	0.46652	0.2177	0.1351	0.66723	0.075422163
offsite	592514.99	4141364.85	0.38163	0.20008	0.12738	0.62195	0.069535352
Phase6	591014.99	4141464.85	0.59376	4.36886	0.53654	1.58524	0.220057147
Phase6	591114.99	4141464.85	0.60882	2.00352	0.42083	1.36007	0.169415648
Phase6	591214.99	4141464.85	0.63224	1.33263	0.35371	1.22311	0.147720468
Phase6	591314.99	4141464.85	0.6678	1.00537	0.31023	1.14619	0.136323542

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
Phase6	591414.99	4141464.85	0.69903	0.80706	0.29278	1.11843	0.131518268
path	591514.99	4141464.85	0.71384	0.64925	0.26463	1.0815	0.125875969
offsite	591614.99	4141464.85	0.7375	0.53729	0.23742	1.05328	0.121738418
offsite	591714.99	4141464.85	0.75438	0.45455	0.21466	1.02588	0.117998555
offsite	591814.99	4141464.85	0.76039	0.39183	0.19646	1.00272	0.114820976
offsite	591914.99	4141464.85	0.74509	0.34243	0.18082	0.97755	0.111345511
offsite	592014.99	4141464.85	0.70203	0.30304	0.16746	0.94994	0.107395604
offsite	592114.99	4141464.85	0.62988	0.27108	0.15596	0.91933	0.102861423
offsite	592214.99	4141464.85	0.53861	0.2448	0.14596	0.88739	0.098018749
offsite	592314.99	4141464.85	0.44764	0.22292	0.13718	0.84919	0.092654113
offsite	592414.99	4141464.85	0.37294	0.20445	0.12934	0.79432	0.08598386
Phase6	591214.99	4141564.85	0.57827	1.16519	0.31875	1.64789	0.185024438
Phase6	591314.99	4141564.85	0.59799	0.88841	0.28872	1.55366	0.172567418
path	591414.99	4141564.85	0.60732	0.70773	0.27123	1.49882	0.165060949
path	591514.99	4141564.85	0.61934	0.5753	0.24262	1.44634	0.158175492
offsite	591614.99	4141564.85	0.62621	0.4803	0.21897	1.40156	0.152472829
offsite	591714.99	4141564.85	0.62611	0.40997	0.19973	1.36215	0.147547218
offsite	591814.99	4141564.85	0.61439	0.3559	0.1836	1.32123	0.142553897
offsite	591914.99	4141564.85	0.58721	0.31319	0.16981	1.28259	0.137730217
offsite	592014.99	4141564.85	0.54334	0.27891	0.15798	1.24104	0.132521593
offsite	592114.99	4141564.85	0.48553	0.25101	0.14776	1.19206	0.126505148
offsite	592214.99	4141564.85	0.42137	0.22786	0.13875	1.14124	0.120298229
offsite	592314.99	4141564.85	0.36115	0.20876	0.13108	1.07543	0.112784508
path	591414.99	4141664.85	0.53541	0.61467	0.24655	2.28387	0.237609381
offsite	591514.99	4141664.85	0.5376	0.50627	0.22254	2.19125	0.227102993
offsite	591614.99	4141664.85	0.53452	0.42778	0.2026	2.10526	0.217572777
offsite	591714.99	4141664.85	0.52484	0.369	0.18613	2.02579	0.208860942
offsite	591814.99	4141664.85	0.50587	0.32322	0.17209	1.94166	0.199763708
offsite	591914.99	4141664.85	0.47659	0.28676	0.16001	1.87254	0.192097136
offsite	592014.99	4141664.85	0.43778	0.25726	0.14957	1.79155	0.183268365
offsite	592114.99	4141664.85	0.39242	0.23296	0.1404	1.69403	0.172847398
offsite	592214.99	4141664.85	0.34576	0.21273	0.13234	1.6061	0.163391881
path	591314.99	4141764.85	0.47356	0.65291	0.24907	5.44263	0.539349605
offsite	591414.99	4141764.85	0.47333	0.53016	0.22519	5.02672	0.497722501
offsite	591514.99	4141764.85	0.4688	0.44419	0.20485	4.57176	0.452785749
offsite	591614.99	4141764.85	0.46018	0.38078	0.18812	4.24575	0.420449218
offsite	591714.99	4141764.85	0.44588	0.33224	0.17399	3.95624	0.391740528
offsite	591814.99	4141764.85	0.42464	0.29372	0.16165	3.68341	0.364675476
offsite	591914.99	4141764.85	0.39716	0.26294	0.15114	3.47562	0.343864225
offsite	592014.99	4141764.85	0.36422	0.23764	0.14187	3.1915	0.315759113
offsite	592114.99	4141764.85	0.32852	0.21663	0.13369	2.93711	0.290527156
offsite	590914.99	4141964.85	0.38994	1.38121	0.30994	2.67044	0.282468955
path	591214.99	4141964.85	0.38632	0.56095	0.2255	3.91723	0.390713682
path	591314.99	4141964.85	0.3819	0.46555	0.20648	4.17259	0.413636536
offsite	590814.99	4142064.85	0.36178	1.35808	0.30615	1.7833	0.196875668
offsite	590914.99	4142064.85	0.3613	0.9324	0.27351	1.9813	0.210319816
offsite	591014.99	4142064.85	0.35964	0.70185	0.24679	2.17745	0.225923932
path	591114.99	4142064.85	0.35626	0.56144	0.22436	2.33172	0.238612737
path	591214.99	4142064.85	0.35158	0.46697	0.20562	2.44309	0.247774765
offsite	590714.99	4142164.85	0.33841	1.17124	0.30201	1.34291	0.152190978
offsite	590814.99	4142164.85	0.33729	0.87484	0.27057	1.45247	0.158677315
path	590914.99	4142164.85	0.33536	0.67932	0.24475	1.56154	0.166367897
path	591014.99	4142164.85	0.33174	0.551	0.22298	1.65416	0.173307452
path	591114.99	4142164.85	0.32716	0.46136	0.20464	1.7279	0.178934352
path	590414.99	4142264.85	0.3178	0.96269	0.37455	0.93595	0.111865818
path	590514.99	4142264.85	0.3181	1.03964	0.33348	1.00296	0.118431025
path	590614.99	4142264.85	0.31781	0.95892	0.29731	1.07278	0.123527964
path	590714.99	4142264.85	0.31648	0.7875	0.26711	1.14326	0.127735173
path	590814.99	4142264.85	0.31438	0.64198	0.2422	1.21224	0.132180936
path	590914.99	4142264.85	0.31155	0.53248	0.22158	1.27614	0.136622073

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
path	591014.99	4142264.85	0.3074	0.45069	0.20382	1.32896	0.140354912
school	591514.99	4142364.85	0.2429	0.2257	0.13601	1.11022	0.114703747
park	591214.99	4142464.85	0.2513	0.26849	0.15287	0.93896	0.099237397
park	591314.99	4142464.85	0.24255	0.2446	0.14376	0.93118	0.097929771
school	591414.99	4142464.85	0.23359	0.2246	0.136	0.91495	0.095879863
path	590414.99	4142564.85	0.27149	0.5079	0.25672	0.69117	0.080441596
offsite	590914.99	4142564.85	0.25287	0.32319	0.17319	0.79032	0.08603609
offsite	591014.99	4142564.85	0.24778	0.29208	0.16268	0.79753	0.086106411
offsite	591114.99	4142564.85	0.24122	0.26531	0.15298	0.7976	0.085537245
park	591214.99	4142564.85	0.23304	0.242	0.14374	0.78962	0.084222999
park	591314.99	4142564.85	0.22503	0.22274	0.13596	0.77542	0.082389022
school	591414.99	4142564.85	0.21631	0.20601	0.12896	0.75252	0.079755827
path	590314.99	4142664.85	0.25944	0.44505	0.25161	0.60893	0.071587349
offsite	590514.99	4142664.85	0.25404	0.41007	0.21451	0.6475	0.074132338
offsite	590614.99	4142664.85	0.25068	0.37983	0.19855	0.66356	0.074986398
offsite	590714.99	4142664.85	0.24699	0.34707	0.1848	0.67681	0.075577483
offsite	590814.99	4142664.85	0.24273	0.31547	0.17281	0.68629	0.075844673
offsite	590914.99	4142664.85	0.23784	0.28696	0.16229	0.69129	0.075736239
offsite	591014.99	4142664.85	0.23171	0.26156	0.1526	0.69051	0.075107882
park	591214.99	4142664.85	0.21754	0.22082	0.13608	0.67184	0.072354327
path	590314.99	4142764.85	0.24731	0.39154	0.22971	0.56168	0.065885862
offsite	590514.99	4142764.85	0.24083	0.35663	0.19765	0.58801	0.067335646
offsite	590614.99	4142764.85	0.23728	0.33195	0.18406	0.59817	0.067729115
offsite	590714.99	4142764.85	0.23333	0.30603	0.17223	0.60541	0.067854777
offsite	590814.99	4142764.85	0.22849	0.28069	0.16162	0.60864	0.067612663
offsite	590914.99	4142764.85	0.2232	0.25764	0.15227	0.6079	0.067033307
offsite	591014.99	4142764.85	0.21717	0.23696	0.14378	0.60243	0.066033628
offsite	591114.99	4142764.85	0.21088	0.21906	0.13628	0.59243	0.064646674
park	591239.54	4140294.63	8.68408	1.04294	0.6985	0.17813	0.165802448
park	591338.72	4140348.36	8.10935	1.70094	0.60488	0.1989	0.16547045

Roadway HRA
Near Term No Project

City Place Roadway HRA - Toxics

Truck g/s	Scaling Factor - Annual	Scaling Factor - 1hr
Tasman	0.00710	0.02229
Lafayette	0.00571	0.01754
Great Am	0.00888	0.01751
SR237	0.05893	0.12703

CANCER RISK	CHRONIC HAZARD QUOTIE
Cancer risk is calculated by multiplying the scaled annual average concentration by the Unit Risk Factor (TOG Speciation tab).	*Chronic risk is calculated by dividing the scaled 1-hr average concentration by the Unit Risk Factor (TOG Speciation tab).*

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED Tasman	Lafayette	Great Am	SR237	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED Tasman	Lafayette	Great Am	SR237	Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	· Million (Residential 30-yr; school and pa Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	589514.99	4140064.85	0.30022	0.19426	0.49587	0.07197	0.011883087	32.71507	5.51455	16.77567	17.33471	3.321782178	Residential	2.16E-08	0	5.5E-04
offsite	589514.99	4139964.85	0.24955	0.17954	0.41156	0.06861	0.010493012	40.78093	5.41622	16.79108	16.34704	3.374686517	Residential	1.91E-08	0	4.9E-04
offsite	589514.99	4139864.85	0.21047	0.16589	0.33759	0.0657	0.009309598	34.00449	5.41877	16.79698	15.34252	3.096156743	Residential	1.70E-08	0	4.3E-04
offsite	589514.99	4139764.85	0.18021	0.1533	0.27626	0.06316	0.008328836	37.49381	5.45883	16.80069	14.74086	3.098287739	Residential	1.52E-08	0	3.9E-04
offsite	589514.99	4139664.85	0.15597	0.14161	0.228	0.06088	0.007527278	40.98284	5.46788	16.76644	14.07559	3.091123496	Residential	1.37E-08	0	3.5E-04
offsite	589514.99	4139564.85	0.13594	0.13089	0.19123	0.05883	0.006876688	35.57667	5.46886	16.56525	13.41077	2.882641176	Residential	1.25E-08	0	3.2E-04
offsite	589514.99	4139464.85	0.1193	0.12107	0.16351	0.05695	0.006345651	31.68553	5.60413	16.24627	12.78527	2.713223092	Residential	1.16E-08	0	2.9E-04
offsite	589514.99	4139364.85	0.10575	0.11218	0.14243	0.05524	0.005910815	28.40451	5.74344	16.40645	12.50402	2.609596501	Residential	1.08E-08	0	2.7E-04
offsite	589514.99	4139264.85	0.09489	0.10388	0.12626	0.05362	0.005547328	28.5725	5.8391	16.50796	12.31514	2.592803547	Residential	1.01E-08	0	2.6E-04
offsite	589614.99	4140064.85	0.34042	0.20546	0.59261	0.07536	0.013290869	36.62459	5.54982	18.07795	16.40999	3.314894099	Residential	2.42E-08	0	6.1E-04
offsite	589614.99	4139964.85	0.27629	0.18954	0.48699	0.07176	0.011595113	44.54871	5.54079	18.09639	15.46091	3.371159818	Residential	2.11E-08	0	5.4E-04
offsite	589614.99	4139864.85	0.22834	0.17474	0.39314	0.06862	0.010152157	35.11709	5.53521	18.10301	14.68806	3.062733772	Residential	1.85E-08	0	4.7E-04
offsite	589614.99	4139764.85	0.1922	0.16105	0.31528	0.06587	0.008964273	43.98139	5.64272	18.09888	13.92472	3.165203205	Residential	1.63E-08	0	4.1E-04
offsite	589614.99	4139664.85	0.1639	0.14835	0.25493	0.06336	0.008007257	42.95858	5.80455	18.04586	13.21057	3.053593192	Residential	1.46E-08	0	3.7E-04
offsite	589614.99	4139564.85	0.14122	0.13676	0.21002	0.06111	0.007248847	35.04785	5.91096	17.7559	12.8094	2.823059948	Residential	1.32E-08	0	3.4E-04
offsite	589614.99	4139464.85	0.12309	0.12616	0.17711	0.05904	0.006645512	31.92097	5.97363	17.08889	12.54941	2.709744103	Residential	1.21E-08	0	3.1E-04
offsite	589614.99	4139364.85	0.10882	0.11659	0.15278	0.05714	0.006161635	29.83113	6.0013	17.47209	12.31424	2.640473779	Residential	1.12E-08	0	2.8E-04
offsite	589614.99	4139264.85	0.09768	0.10771	0.13457	0.05537	0.005765899	29.26594	6.07594	17.95301	12.05793	2.605043522	Residential	1.05E-08	0	2.7E-04
path	590314.99	4142764.85	0.49924	1.35791	0.44787	1.14522	0.082761105	7.84429	43.96344	50.28042	14.25639	3.637232558	Parks/Paths	1.51E-07	0	3.8E-03
path	590314.99	4142664.85	0.52393	1.67941	0.49011	1.24433	0.090988362	7.8935	44.84928	52.2269	15.89305	3.895847548	Parks/Paths	1.66E-07	0	4.2E-03
path	590414.99	4142564.85	0.54783	2.4914	0.50038	1.41074	0.105694305	7.96515	57.38095	55.84681	17.30989	4.360598294	Parks/Paths	1.92E-07	0	4.9E-03
path	590414.99	4142264.85	0.64196	3.29134	0.72702	1.90984	0.142355012	8.18756	58.9328	76.47928	21.79905	5.324251333	Parks/Paths	2.59E-07	0	6.6E-03
offsite	590514.99	4142764.85	0.48496	1.25352	0.38853	1.19154	0.08426611	7.81679	50.04581	47.56107	14.31017	3.702523178	Residential	1.53E-07	0	3.9E-03
offsite	590514.99	4142664.85	0.51183	1.8349	0.42116	1.31634	0.095422126	7.83322	63.78135	50.54152	15.2247	4.112154907	Residential	1.74E-07	0	4.4E-03
path	590514.99	4142264.85	0.64183	5.81572	0.65127	2.04449	0.164038596	8.23945	88.53724	69.68534	22.39601	5.801538847	Parks/Paths	2.99E-07	0	7.6E-03
Phase4	590514.99	4140764.85	1.83489	0.80896	22.42546	0.47592	0.244761315	15.98804	11.71891	205.5199	18.09394	6.458583597	Residential	4.46E-07	0	1.1E-02
Phase4	590514.99	4140664.85	2.08319	0.73977	22.14638	0.37133	0.237487265	17.89171	10.65554	202.82676	16.59699	6.245067614	Residential	4.32E-07	0	1.1E-02
offsite	590614.99	4142764.85	0.47735	1.06438	0.36533	1.20751	0.083866627	7.87031	44.48737	40.88581	14.35051	3.494481288	Residential	1.53E-07	0	3.9E-03
offsite	590614.99	4142664.85	0.5046	1.48834	0.39386	1.34458	0.094812601	7.88133	62.84651	44.93104	15.31231	4.00973406	Residential	1.73E-07	0	4.4E-03
path	590614.99	4142264.85	0.64071	45.69914	0.58832	2.18478	0.399602393	8.27345	294.25172	66.43316	23.69958	9.519064539	Parks/Paths	7.28E-07	1	1.8E-02
Phase4	590614.99	4140764.85	1.94395	0.93339	7.54545	0.54416	0.118174791	16.68015	13.17647	78.18854	17.18033	4.154261909	Residential	2.15E-07	0	5.5E-03
Phase4	590614.99	4140664.85	2.21407	0.84877	7.51833	0.42613	0.112412127	19.14132	11.96184	74.81894	15.77723	3.950600373	Residential	2.05E-07	0	5.2E-03
Phase4	590614.99	4140564.85	2.59498	0.77319	7.49784	0.34615	0.109788297	22.14042	10.94495	70.57176	14.61578	3.777731955	Residential	2.00E-07	0	5.1E-03
offsite	590714.99	4142764.85	0.46904	0.89644	0.34555	1.21687	0.083224147	7.98873	34.67978	45.26307	14.33565	3.399849334	Residential	1.52E-07	0	3.8E-03
offsite	590714.99	4142664.85	0.49682	1.14496	0.3707	1.366	0.093852209	7.98769	41.27732	46.85328	15.38908	3.67719969	Residential	1.71E-07	0	4.3E-03
path	590714.99	4142264.85	0.63765	4.94989	0.535	2.32668	0.174658776	8.27144	37.56558	53.62931	24.36911	4.877776353	Parks/Paths	3.18E-07	0	8.1E-03
offsite	590714.99	4142164.85	0.68207	5.39194	0.60468	2.72	0.201295348	8.46771	49.17464	56.13105	27.76089	5.560420794	Residential	3.67E-07	0	9.3E-03
offsite	590714.99	4141264.85	1.25568	1.91613	4.05846	2.54758	0.206007021	11.80857	22.37245	53.4934	31.81879	5.634097881	Residential	3.75E-07	0	9.5E-03
Phase5	590714.99	4141164.85	1.3543	1.6145	4.15477	1.82492	0.163254105	12.44548	20.14748	51.23592	25.67119	4.788828492	Residential	2.97E-07	0	7.5E-03
Phase5	590714.99	4141064.85	1.48721	1.48843	4.5022	1.33525	0.137706224	13.69539	18.42721	48.92894	22.25627	4.312339487	Residential	2.51E-07	0	6.4E-03
Phase5	590714.99	4140964.85	1.66366	1.36885	4.60607	1.02961	0.121186635	14.75822	17.06007	47.86581	19.72526	3.971932032	Residential	2.21E-07	0	5.6E-03
offsite	590714.99	4140864.85	1.84508	1.22548	4.64828	0.78207	0.107442702	15.71781	15.86374	47.60951	17.71022	3.711887417	Residential	1.96E-07	0	5.0E-03
Phase4	590714.99	4140764.85	2.07127	1.09945	4.64681	0.60206	0.09770712	17.37898	14.76111	47.40557	16.04638	3.514656526	Residential	1.78E-07	0	4.5E-03
Phase4	590714.99	4140664.85	2.35835	0.9798	4.64015	0.47624	0.091587251	19.72534	13.60043	47.04311	14.66761	3.36511995	Residential	1.67E-07	0	4.2E-03
Phase4	590714.99	4140564.85	2.78541	0.89571	4.63029	0.38722	0.088803936	22.84121	12.26124	46.89527	13.51281	3.261816058	Residential	1.62E-07	0	4.1E-03
offsite	590814.99	4142764.85	0.45903	0.77455	0.32727	1.21785	0.082352204	8.06918	23.79369	39.99777	14.81428	3.179324213	Residential	1.50E-07	0	3.8E-03
offsite	590814.99	4142664.85	0.48798	0.94044	0.34982	1.37877	0.093188156	8.09579	25.24812	40.87617	15.98171	3.369102988	Residential	1.70E-07	0	4.3E-03
path	590814.99	4142264.85	0.63313	2.74402	0.48923	2.46392	0.169704903	8.35327	28.42844	46.44625	24.69502	4.634982471	Parks/Paths	3.09E-07	0	7.8E-03
offsite	590814.99	4142164.85	0.67946	3.15287	0.54639	2.94236	0.201070095	8.50382	33.56274	46.6181	28.92688	5.268967519	Residential	3.66E-07	0	9.3E-03
offsite	590814.99	4142064.85	0.7289	3.74755	0.61838	3.58747	0.243472105	8.82186	41.73944	46.02576	34.00054	6.053602157	Residential	4.43E-07	0	1.1E-02
offsite	590814.99	4141264.85	1.32946	2.80768	2.7964	2.31683	0.186823194	12.21817	29.13655	37.92906	28.9388	5.123533232	Residential	3.40E-07	0	8.6E-03
Phase5	590814.99	4141164.85	1.3999	1.92632	2.7014	1.62676	0.140780326	12.85548	25.13824	37.54962	23.79575	4.407655881	Residential	2.56E-07	0	6.5E-03
Phase5	590814.99	4141064.85	1.5367	1.69813	2.87353	1.28096	0.121598309	13.60057	21.77067	37.60295	20.55969	3.955063252	Residential	2.21E-07	0	5.6E-03
Phase5	590814.99	4140964.85	1.70968	1.60771	3.20658	1.03161	0.110572183	15.38072	19.74831	37.20984	18.55765	3.698080397	Residential	2.01E-07	0	5.1E-03
Phase3	590814.99	4140864.85	1.96506	1.50141	3.30684	0.81632	0.099980573	16.64978	18.12791	37.19053	16.02427	3.375802317	Residential	1.82E-07	0	4.6E-03
Phase3	590814.99	4140764.85	2.21993	1.32907	3.33762	0.64644	0.091067142	18.34496	16.71774	37.15565	14.47754	3.191771722	Residential	1.66E-07	0	4.2E-03
Phase3	590814.99	4140664.85	2.55917	1.18538	3.3552	0.52458	0.085628579	20.76181	15.43814	37.12894	13.2361	3.065043876	Residential	1.56E-07	0	4.0E-03

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Million (Residential 30-yr; school and pa: Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
Phase2	590814.99	4140564.85	3.02814	1.05937	3.35009	0.42669	0.082422633	24.27999	14.12748	37.07041	12.24434	2.993483891	Residential	1.50E-07	0	3.8E-03
Phase2	590814.99	4140464.85	3.75366	0.94967	3.33449	0.35525	0.08259581	29.23776	12.6328	36.96336	11.45695	2.975902115	Residential	1.50E-07	0	3.8E-03
offsite	590914.99	4142764.85	0.44823	0.68214	0.31026	1.21071	0.081175867	8.21443	19.10689	35.74492	15.68088	3.13598459	Residential	1.48E-07	0	3.8E-03
offsite	590914.99	4142664.85	0.47796	0.80182	0.33045	1.38177	0.092329916	8.28313	19.38294	37.09995	16.80334	3.308665765	Residential	1.68E-07	0	4.3E-03
offsite	590914.99	4142564.85	0.50846	0.97457	0.35238	1.58765	0.105859925	8.3174	18.14498	37.77045	18.10712	3.465072855	Residential	1.93E-07	0	4.9E-03
path	590914.99	4142264.85	0.62732	1.86257	0.44994	2.58701	0.171532312	8.61517	22.70863	36.54873	24.95192	4.399851293	Parks/Paths	3.12E-07	0	7.9E-03
path	590914.99	4142164.85	0.67547	2.17895	0.49702	3.15885	0.207796441	8.75991	25.8353	35.3666	29.46467	5.010470302	Parks/Paths	3.78E-07	0	9.6E-03
offsite	590914.99	4142064.85	0.72771	2.56256	0.55564	3.98654	0.259652678	8.94718	30.19595	33.98606	36.53807	5.96548292	Residential	4.73E-07	0	1.2E-02
offsite	590914.99	4141964.85	0.78543	3.1935	0.63032	5.29118	0.341208787	9.30199	36.72705	33.28361	48.84867	7.639445096	Residential	6.21E-07	1	1.6E-02
offsite	590914.99	4141264.85	1.36973	4.09453	1.95664	2.06685	0.172275691	12.75451	48.79921	31.47262	26.29784	5.031848322	Residential	3.14E-07	0	8.0E-03
Phase5	590914.99	4141164.85	1.486	2.84663	2.096	1.58742	0.138956789	13.38249	35.41605	31.56817	22.66339	4.351109324	Residential	2.53E-07	0	6.4E-03
Phase5	590914.99	4141064.85	1.63714	2.37214	2.26027	1.2807	0.120702458	14.48101	28.50786	31.04484	19.59651	3.855690449	Residential	2.20E-07	0	5.6E-03
Phase5	590914.99	4140964.85	1.86591	2.28264	2.46306	1.04969	0.11000185	15.98948	24.26218	31.27964	17.90061	3.603536665	Residential	2.00E-07	0	5.1E-03
Phase3	590914.99	4140864.85	2.0979	1.92887	2.5249	0.83673	0.097626651	17.59456	21.5156	31.23722	16.02166	3.351724045	Residential	1.78E-07	0	4.5E-03
Phase3	590914.99	4140764.85	2.37685	1.61428	2.58931	0.67059	0.088590306	19.45907	19.42827	31.1861	13.28353	3.007965311	Residential	1.61E-07	0	4.1E-03
Phase3	590914.99	4140664.85	2.77484	1.42354	2.59696	0.55321	0.08347566	22.11176	17.74533	31.12625	12.07	2.882386133	Residential	1.52E-07	0	3.9E-03
Phase2	590914.99	4140564.85	3.34733	1.28379	2.59992	0.46033	0.081292639	26.57115	16.25325	30.85599	11.3379	2.857905	Residential	1.48E-07	0	3.8E-03
Phase2	590914.99	4140464.85	4.21834	1.14023	2.60062	0.39017	0.082524863	32.7294	14.74607	29.76773	10.73799	2.873504398	Residential	1.50E-07	0	3.8E-03
Phase2	590914.99	4140364.85	5.87858	1.0136	2.58175	0.33201	0.089987457	49.41769	13.07223	28.58951	10.28217	3.137667609	Residential	1.64E-07	0	4.2E-03
offsite	591014.99	4142764.85	0.43601	0.60885	0.29398	1.1945	0.079570701	8.38739	15.58689	32.15059	16.30265	3.094156412	Residential	1.45E-07	0	3.7E-03
offsite	591014.99	4142664.85	0.46552	0.69932	0.31171	1.37343	0.090998225	8.45581	14.6307	31.70371	17.48976	3.221883903	Residential	1.66E-07	0	4.2E-03
offsite	591014.99	4142564.85	0.49813	0.81851	0.332	1.59326	0.105044682	8.53781	14.69022	30.89554	18.91372	3.391490542	Residential	1.91E-07	0	4.9E-03
path	591014.99	4142264.85	0.61895	1.39519	0.41532	2.68564	0.174307333	8.86558	17.66178	29.89036	26.07271	4.34271566	Parks/Paths	3.17E-07	0	8.1E-03
path	591014.99	4142164.85	0.66799	1.63424	0.4544	3.34464	0.215201056	8.99324	19.03963	29.30644	33.82323	5.344043199	Parks/Paths	3.92E-07	0	1.0E-02
offsite	591014.99	4142064.85	0.72425	1.90104	0.50339	4.37551	0.278305811	9.19451	21.24412	28.69637	42.37669	6.463049134	Residential	5.07E-07	1	1.3E-02
Phase6	591014.99	4141664.85	1.01135	5.07056	0.85364	9.4478	0.600456706	10.78157	43.03709	27.97369	96.53462	13.74762176	Residential	1.09E-06	1	2.8E-02
Phase6	591014.99	4141564.85	1.10323	7.3132	1.00309	4.89244	0.346813173	11.32625	72.50584	27.82185	54.03114	8.874813703	Residential	6.32E-07	1	1.6E-02
Phase6	591014.99	4141464.85	1.20686	7.41659	1.10398	3.14424	0.246018167	11.92187	73.8905	27.50771	37.15429	6.763036079	Residential	4.48E-07	0	1.1E-02
Phase6	591014.99	4141364.85	1.31666	14.54996	1.36928	2.45266	0.249154156	12.59825	100.30316	27.31351	28.66484	6.159575407	Residential	4.54E-07	0	1.2E-02
offsite	591014.99	4141264.85	1.44242	30.71394	1.5552	1.94007	0.313840182	13.31664	232.80285	27.2811	24.55603	7.977056523	Residential	5.71E-07	1	1.5E-02
offsite	591014.99	4141164.85	1.59436	6.76635	1.67231	1.55664	0.156545052	14.31127	69.5411	27.24143	21.5598	4.754411443	Residential	2.85E-07	0	7.2E-03
Phase5	591014.99	4141064.85	1.73648	3.76768	1.78419	1.25377	0.123567258	15.43895	45.17725	27.10948	18.64818	3.980054909	Residential	2.25E-07	0	5.7E-03
Phase3	591014.99	4140964.85	1.98543	3.3885	1.9351	1.03909	0.111856567	16.943	32.64711	27.22629	17.12151	3.601929212	Residential	2.04E-07	0	5.2E-03
Phase3	591014.99	4140864.85	2.24221	2.626	2.01353	0.8445	0.098551866	18.72808	27.25097	27.17494	15.69225	3.36462492	Residential	1.79E-07	0	4.6E-03
Phase3	591014.99	4140764.85	2.56984	2.13708	2.06131	0.69194	0.089517562	21.01178	23.63315	26.96686	14.03233	3.137583281	Residential	1.63E-07	0	4.1E-03
Phase2	591014.99	4140664.85	3.04679	1.81221	2.0983	0.57453	0.084455574	24.15249	21.0374	26.39814	11.58627	2.841398284	Residential	1.54E-07	0	3.9E-03
Phase2	591014.99	4140564.85	3.74436	1.55544	2.11399	0.47975	0.08249258	29.49956	18.98902	24.88681	10.97437	2.820490771	Residential	1.50E-07	0	3.8E-03
Phase2	591014.99	4140464.85	4.92267	1.35068	2.1081	0.40691	0.085339277	39.30155	17.23323	24.89168	10.49118	2.946928624	Residential	1.55E-07	0	3.9E-03
Phase1	591014.99	4140364.85	7.39847	1.23196	2.09807	0.35797	0.099255924	62.16999	15.51997	24.91237	10.09034	3.376155688	Residential	1.81E-07	0	4.6E-03
offsite	591114.99	4142764.85	0.42336	0.5496	0.27908	1.17	0.077566441	8.55398	12.49873	27.69689	16.88545	3.039764667	Residential	1.41E-07	0	3.6E-03
offsite	591114.99	4142564.85	0.48488	0.7079	0.31269	1.58478	0.103647599	8.71488	13.09617	27.69448	19.74791	3.417402675	Residential	1.89E-07	0	4.8E-03
path	591114.99	4142164.85	0.65878	1.28953	0.4182	3.48557	0.221149558	9.21298	16.74112	26.0475	38.46214	5.84084575	Parks/Paths	4.03E-07	0	1.0E-02
path	591114.99	4142064.85	0.71741	1.4859	0.45904	4.67739	0.293280742	9.41891	18.22675	25.83463	48.41136	7.131602638	Parks/Paths	5.34E-07	1	1.4E-02
Phase6	591114.99	4141764.85	0.93925	2.45917	0.6414	19.50135	1.175569777	10.59361	23.65325	25.09574	188.14796	24.99057915	Residential	2.14E-06	2	5.4E-02
Phase6	591114.99	4141664.85	1.02935	3.01131	0.72849	6.44771	0.410921337	11.11214	29.2965	24.73194	67.83487	9.811544934	Residential	7.48E-07	1	1.9E-02
Phase6	591114.99	4141564.85	1.14506	3.50185	0.80667	3.95216	0.268183033	11.75089	34.04327	24.36268	44.71552	6.965757239	Residential	4.88E-07	0	1.2E-02
Phase6	591114.99	4141464.85	1.23636	3.64756	0.87008	2.62913	0.192263712	12.42106	46.87115	24.26385	32.63054	5.66882334	Residential	3.50E-07	0	8.9E-03
Phase6	591114.99	4141364.85	1.36133	4.22472	1.01294	2.10884	0.167056857	13.20933	42.67178	24.24504	25.95926	4.764969858	Residential	3.04E-07	0	7.7E-03
Phase6	591114.99	4141264.85	1.50922	7.77738	1.2381	1.79779	0.172072925	14.1777	59.22967	24.36519	22.93458	4.694857444	Residential	3.13E-07	0	8.0E-03
Phase6	591114.99	4141164.85	1.67404	18.78047	1.36563	1.47621	0.218288058	15.28214	123.4496	24.33755	20.42294	5.526326933	Residential	3.97E-07	0	1.0E-02
offsite	591114.99	4141064.85	1.86965	19.78125	1.4766	1.2271	0.2116995	16.57912	150.9593	24.30119	18.18541	5.75287957	Residential	3.85E-07	0	9.8E-03
Phase3	591114.99	4140964.85	2.11418	6.83178	1.5636	1.0163	0.127801625	18.25341	62.29146	24.17984	16.39636	4.005637991	Residential	2.33E-07	0	5.9E-03
Phase3	591114.99	4140864.85	2.43378	4.36393	1.63267	0.8523	0.106919101	20.35117	41.48002	23.83373	15.17967	3.526771001	Residential	1.95E-07	0	4.9E-03
Phase2	591114.99	4140764.85	2.84587	3.18207	1.68264	0.71358	0.095360171	23.16064	31.79909	22.82948	14.00961	3.253394704	Residential	1.74E-07	0	4.4E-03
Phase2	591114.99	4140664.85	3.41815	2.48703	1.72387	0.60065	0.089161391	27.14796	26.48104	22.04203	12.46722	3.039299087	Residential	1.62E-07	0	4.1E-03
Phase2	591114.99	4140564.85	4.33128	2.05703	1.75025	0.50732	0.087918612	33.78417	23.07512	22.13263	10.87849	2.927281919	Residential	1.60E-07	0	4.1E-03
Phase2	591114.99	4140464.85	6.05135	1.79906	1.75078	0.44193	0.094801545	48.98895	20.55421	22.21257	10.41603	3.164698246	Residential	1.73E-07	0	4.4E-03
Phase1	591114.99	4140364.85	10.60583	1.54732	1.7516	0.38113	0.12210562	85.34162	18.43754	22.21679	10.02159	3.887993899	Residential	2.22E-07	0	5.6E-03
park	591214.99	4142664.85	0.43708	0.55563	0.27859	1.32421	0.086781071	8.77447	11.89454	25.01107	18.61683	3.206995787	Parks/Paths	1.58E-07	0	4.0E-03
park	591214.99	4142564.85	0.46847	0.62307	0.29407	1.56103	0.101481686	8.8517	12.13402	24.49342	20.22981	3.408749724	Parks/Paths	1.85E-07	0	4.7E-03
park	591214.99	4142464.85	0.50545	0.70615	0.31266	1.865	0.120295896	8.97137	12.45451	24.50849	24.42035	3.949621187	Parks/Paths	2.19E-07	0	5.6E-03
path	591214.99	4142064.85	0.70819	1.20518	0.42171	4.89646	0.304189309	9.7845	14.23318	23.49568	56.52876	8.059900937	Parks/Paths	5.54E-07	1	1.4E-02
path	591214.99	4141964.85	0.77813	1.37587	0.46258	7.6913	0.470715893	10.22718	15.25377	23.2208	102.68431	13.94593354	Parks/Paths	8.57E-07	1	2.2E-02
Phase6	591214.99	4141764.85	0.94665	1.83769	0.56735	11.89844	0.723395518	11.22828	17.88289	22.1797	130.30826	17.50517033	Residential	1.32E-06	1	3.3E-02
Phase6	591214.99	4141664.85	1.04976	2.15145	0.63562	5.24155	0.334253432	11.83171	20.94164	22.18646	62.82442	9.000012007	Residential	6.09E-07	1	1.5E-02
Phase6	591214.99	4141564.85	1.17262	2.31311	0.66197	3.29942	0.221838319	12.49707	25.48346	22.11748	38.25499	5.972278378	Residential	4.04E-07	0	1.0E-02
Phase6	591214.99	4141464.85	1.28403	2.54196	0.73228	2.40911	0.172096956	13.23165	29.24021	22.08306	29.32321	4.919352269	Residential	3.13E-07	0	8.0E-03
Phase6	591214.99	4141364.85	1.43182	2.95685	0.84446	1.98874	0.151740601	14.10728	35.14656	22.07406	24.10944	4.380012193	Residential	2.76E-07	0	7.0E-03
offsite	591214.99	4141264.85	1.61037	3.83074	0.98056	1.71331	0.142978153	15.16046	33.5508	22.10354	21.48192	4.042249142	Residential	2.60E-07	0	6.6E-03
Phase6	591214.99	4141164.85	1.78845	5.16182	1.09896	1.42123	0.135686142	16.38887	42.49027	22.02654	19.35872	3.955373491	Residential	2.47E-07	0	6.3E-03
Phase7	591214.99	4141064.85	1.99903	8.32525	1.21237	1.18129	0.142121576	17.90114	63.65327	21.81821	17.54024	4.125628899	Residential	2.59E-07	0	6.6E-03
Phase7	591214.99	4140964.85	2.26451	27.35204	1.29265	1.00573	0.243077434	19.75908	169.85452	21.22879	15.74904	5.791906557	Residential	4.43E-07	0	1.1E-02
offsite	591214.99	4140864.85	2.63435	14.61979	1.35719	0.85548	0.164678433	22.55524	114.91405	20.1353	14.65905	4.73301579	Residential	3.00E-07	0	7.6E-03
Phase2	591214.99	4140764.85	3.14902	6.19548	1.40594	0.72466	0.112924214	26.47262	55.58062	20.01095	13.69821	3.655444688	Residential	2.06E-07	0	5.2E-03
Phase2	591214.99	4140664.85	3.8865	4.06175	1.44658	0.61774	0.100026996	32.11826	39.53579	19.95495	12.66123	3.367185745	Residential	1.82E-07	0	4.6E-03
Phase2	591214.99	4140564.85	5.15068	2.98274	1.47605	0.52839	0.097829218	41.28389	31.44642	19.74249	11.20275	3.240654453	Residential	1.78E-07	0	4.5E-03
Phase1	591214.99	4140464.85	7.92341	2.47062	1.48368	0.46209	0.110739034	64.68833	26.1711	20.05467	10.37289	3.569960148	Residential	2.02E-07	0	5.1E-03
Phase1	591214.99	4140364.85	23.17206	2.03861	1.48816	0.40133	0.212932066	185.01596	22.50868	20.13971	10.00677	6.143307557	Residential	3.88E-07	0	9.8E-03
offsite	591214.99	4139664.85	1.16475	0.70079	1.24467	0.18078	0.033970683	20.34938	12.59817	20.11723	8.70215	2.132262685	Residential	6.19E-08	0	1.6E-03
park	591239.54	4140294.63	16.30636	1.94141	1.43171	0.36951	0.161282701	189.94513	21.75846	19.71571	9.77967	6.20376941	Parks/Paths	2.94E-07	0	7.5E-03

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million (Residential 30-yr; school and pa	CHRONIC HAZARD QUOTIENT
park	591314.99	4142564.85	0.45253	0.55696	0.27837	1.52522	0.098741319	9.05947	11.52645	23.07717	23.6443	3.81166818	Parks/Paths	1.80E-07	0	4.6E-03
park	591314.99	4142464.85	0.48801	0.62114	0.29435	1.83854	0.117964705	9.16738	11.73017	22.75816	28.08328	4.375939445	Parks/Paths	2.15E-07	0	5.5E-03
path	591314.99	4141964.85	0.76973	1.13482	0.42424	8.19204	0.498446002	10.82873	13.39388	20.81617	116.93074	15.69432817	Parks/Paths	9.08E-07	1	2.3E-02
path	591314.99	4141764.85	0.95391	1.46045	0.50937	10.84487	0.658693065	11.9047	14.78016	20.47453	121.80677	16.3560446	Parks/Paths	1.20E-06	1	3.0E-02
Phase6	591314.99	4141664.85	1.06621	1.66404	0.56196	4.76343	0.302757267	12.54664	17.71035	20.47689	58.27145	8.35098793	Residential	5.51E-07	1	1.4E-02
Phase6	591314.99	4141564.85	1.20761	1.8151	0.59776	3.18046	0.211661359	13.28221	20.34939	20.44583	35.08144	5.467335588	Residential	3.85E-07	0	9.8E-03
Phase6	591314.99	4141464.85	1.3533	1.9889	0.64211	2.33442	0.164226985	14.09663	21.68717	20.40892	26.7603	4.451287245	Residential	2.99E-07	0	7.6E-03
Phase6	591314.99	4141364.85	1.50468	2.21293	0.71658	1.87894	0.14040198	15.06395	25.47559	20.33533	22.55905	4.004332229	Residential	2.56E-07	0	6.5E-03
Phase6	591314.99	4141264.85	1.69667	2.59916	0.81404	1.60556	0.128726566	16.23151	28.18914	20.21859	20.25624	3.78338953	Residential	2.34E-07	0	6.0E-03
Phase7	591314.99	4141164.85	1.89602	3.09844	0.90343	1.36353	0.119524991	17.62564	28.46636	19.84368	18.40578	3.577707642	Residential	2.18E-07	0	5.5E-03
Phase7	591314.99	4141064.85	2.146	3.95471	0.99183	1.171	0.115630361	19.61183	34.45392	18.97907	16.8642	3.516044485	Residential	2.11E-07	0	5.3E-03
Phase7	591314.99	4140964.85	2.45173	5.59429	1.08313	0.99422	0.117560411	22.1268	44.58863	18.4015	15.22083	3.531003809	Residential	2.14E-07	0	5.4E-03
Phase7	591314.99	4140864.85	2.88507	9.7966	1.14385	0.84673	0.136491974	25.39815	69.4697	18.39688	14.16049	3.905561187	Residential	2.49E-07	0	6.3E-03
offsite	591314.99	4140664.85	4.5256	11.49012	1.22952	0.63333	0.145993819	36.94566	93.14214	18.07936	12.51869	4.364089719	Residential	2.66E-07	0	6.8E-03
Phase2	591314.99	4140564.85	6.40934	5.70871	1.2567	0.54948	0.121630153	53.9204	50.12857	17.37126	11.56052	3.853981618	Residential	2.21E-07	0	5.6E-03
Phase1	591314.99	4140464.85	11.95194	3.88336	1.27398	0.47854	0.146503943	101.98174	37.60079	18.05018	10.34112	4.56272609	Residential	2.67E-07	0	6.8E-03
park	591314.99	4140264.85	7.01339	2.35123	1.28257	0.36835	0.096290449	90.76643	26.05622	18.50623	9.6683	4.032721967	Parks/Paths	1.75E-07	0	4.5E-03
offsite	591314.99	4139664.85	1.15118	0.85587	1.10775	0.19262	0.034242638	19.13894	13.67039	18.52348	8.4793	2.067872069	Residential	6.24E-08	0	1.6E-03
offsite	591314.99	4139564.85	0.9423	0.72519	1.04595	0.17611	0.030492355	17.8825	13.15981	18.50238	8.39272	2.01953797	Residential	5.55E-08	0	1.4E-03
offsite	591314.99	4139464.85	0.77727	0.6101	0.97345	0.16178	0.027175769	16.61889	12.72041	18.51087	8.35787	1.979381717	Residential	4.95E-08	0	1.3E-03
offsite	591314.99	4139364.85	0.64672	0.51114	0.89203	0.14918	0.024218763	15.66246	12.34347	18.50124	8.34464	1.949598417	Residential	4.41E-08	0	1.1E-03
offsite	591314.99	4139264.85	0.54312	0.42586	0.80528	0.13817	0.021577525	14.87982	12.02088	19.16541	8.34266	1.937868555	Residential	3.93E-08	0	1.0E-03
park	591338.72	4140348.36	15.23493	3.13636	1.24076	0.41353	0.161405935	178.59156	32.20878	18.01993	9.91372	6.121283008	Parks/Paths	2.94E-07	0	7.5E-03
school	591414.99	4142564.85	0.43534	0.5034	0.26428	1.47438	0.095192398	9.25925	10.87941	21.54791	26.69988	4.166145857	School	1.73E-07	0	4.4E-03
school	591414.99	4142464.85	0.4703	0.55487	0.27885	1.79579	0.114803684	9.39863	11.08811	21.29988	30.62833	4.667596836	School	2.09E-07	0	5.3E-03
offsite	591414.99	4141764.85	0.95457	1.20143	0.46106	9.87243	0.599485811	12.55534	13.42	19.1668	111.78924	15.05128556	Residential	1.09E-06	1	2.8E-02
path	591414.99	4141664.85	1.07909	1.3475	0.50303	4.52183	0.28628023	13.2328	14.93844	19.13723	52.80165	7.599392295	Parks/Paths	5.21E-07	1	1.3E-02
path	591414.99	4141564.85	1.22316	1.50744	0.55182	2.99672	0.198778848	14.02629	16.03722	19.10804	31.93649	4.98537115	Parks/Paths	3.62E-07	0	9.2E-03
Phase6	591414.99	4141464.85	1.40818	1.65085	0.60045	2.29591	0.160045931	14.95597	18.7263	19.00331	25.25729	4.202979456	Residential	2.91E-07	0	7.4E-03
Phase6	591414.99	4141364.85	1.5985	1.76918	0.62632	1.82254	0.134407707	16.02498	17.96279	18.73942	21.29515	3.705495396	Residential	2.45E-07	0	6.2E-03
Phase6	591414.99	4141264.85	1.80232	1.98047	0.69434	1.5317	0.120526548	17.43349	22.27048	18.17783	19.21126	3.537905645	Residential	2.19E-07	0	5.6E-03
Phase8	591414.99	4141164.85	2.00741	2.22262	0.76248	1.29964	0.110295522	19.16455	23.63063	17.29927	17.55935	3.375133148	Residential	2.01E-07	0	5.1E-03
Phase7	591414.99	4141064.85	2.28787	2.62617	0.83696	1.12853	0.105169325	21.32154	24.46958	17.0848	16.2153	3.263448476	Residential	1.92E-07	0	4.9E-03
Phase7	591414.99	4140964.85	2.6704	3.32124	0.91155	0.98353	0.103972492	24.13423	28.9075	17.08878	14.90545	3.237674872	Residential	1.89E-07	0	4.8E-03
park	591414.99	4140364.85	10.16199	5.24119	1.11718	0.43338	0.137507273	129.39074	46.6634	16.66524	9.93467	5.256861943	Parks/Paths	2.50E-07	0	6.4E-03
park	591414.99	4140264.85	5.01111	3.63885	1.1209	0.38354	0.088899023	70.40972	35.89486	17.05829	9.61651	3.71952171	Parks/Paths	1.62E-07	0	4.1E-03
offsite	591414.99	4139764.85	1.35556	1.27722	1.03434	0.224	0.039297623	23.36207	18.50619	17.23881	8.45996	2.221892192	Residential	7.16E-08	0	1.8E-03
offsite	591414.99	4139664.85	1.12566	1.07344	0.99556	0.20406	0.03498278	20.05199	16.87026	17.24369	8.40248	2.112187302	Residential	6.37E-08	0	1.6E-03
offsite	591414.99	4139564.85	0.93975	0.89937	0.94841	0.18675	0.031230499	17.51915	15.43207	17.23014	8.3575	2.024543763	Residential	5.69E-08	0	1.4E-03
offsite	591414.99	4139464.85	0.78827	0.7492	0.89294	0.17161	0.027913089	16.36762	14.12664	17.23222	8.32075	1.971342989	Residential	5.08E-08	0	1.3E-03
offsite	591414.99	4139364.85	0.66498	0.6197	0.82988	0.15833	0.02495603	15.21261	13.14542	17.22206	8.28986	1.924281185	Residential	4.54E-08	0	1.2E-03
offsite	591414.99	4139264.85	0.56472	0.50931	0.76134	0.14667	0.022318383	14.40256	12.75642	17.21285	8.26355	1.895895597	Residential	4.06E-08	0	1.0E-03
school	591514.99	4142364.85	0.48972	0.54975	0.27975	2.17454	0.137238927	10.05628	10.76451	19.20258	37.46987	5.508935529	School	2.50E-07	0	6.3E-03
offsite	591514.99	4141764.85	0.94674	1.01281	0.41987	8.89615	0.540457451	13.1436	12.40661	18.08965	100.84872	13.63800873	Residential	9.84E-07	1	2.5E-02
offsite	591514.99	4141664.85	1.0852	1.12384	0.4547	4.33521	0.27361972	13.87507	12.90576	18.02797	46.76314	6.791575145	Residential	4.98E-07	0	1.3E-02
path	591514.99	4141564.85	1.24921	1.24503	0.49445	2.89147	0.190753103	14.7284	14.23684	17.87857	33.49285	5.145623684	Parks/Paths	3.47E-07	0	8.8E-03
path	591514.99	4141464.85	1.43831	1.37437	0.53842	2.18089	0.151351664	15.81862	15.81251	17.49414	25.2099	4.138663519	Parks/Paths	2.76E-07	0	7.0E-03
Phase6	591514.99	4141364.85	1.65362	1.51507	0.58757	1.75846	0.129226987	17.11532	16.51461	16.72397	20.43508	3.55986424	Residential	2.35E-07	0	6.0E-03
Phase8	591514.99	4141264.85	1.92628	1.60479	0.60809	1.49117	0.116105818	18.6905	16.1404	16.13712	18.32215	3.309741246	Residential	2.11E-07	0	5.4E-03
Phase8	591514.99	4141164.85	2.17632	1.75849	0.65896	1.26282	0.105753725	20.57274	19.66095	16.03111	16.83581	3.22278896	Residential	1.93E-07	0	4.9E-03
Phase8	591514.99	4141064.85	2.48738	1.99927	0.72001	1.09994	0.100280466	23.00342	20.64995	16.02068	15.63305	3.141357883	Residential	1.83E-07	0	4.6E-03
Phase8	591514.99	4140964.85	2.93086	2.36148	0.78188	0.96874	0.098314692	26.29713	21.21262	15.95522	14.5292	3.083290705	Residential	1.79E-07	0	4.5E-03
offsite	591514.99	4140464.85	23.00159	12.36009	0.9702	0.50163	0.272003942	243.55047	88.84668	15.06368	10.76601	8.619392098	Residential	4.95E-07	0	1.3E-02
offsite	591514.99	4139864.85	1.53517	2.07866	0.95386	0.25939	0.046521927	26.99242	25.34809	16.21299	8.4632	2.405282775	Residential	8.47E-08	0	2.2E-03
offsite	591514.99	4139764.85	1.2927	1.69431	0.93071	0.23578	0.041008737	22.02969	22.68506	16.20393	8.40091	2.239863636	Residential	7.47E-08	0	1.9E-03
offsite	591514.99	4139664.85	1.09422	1.39509	0.90128	0.21518	0.036415682	19.97767	20.62091	16.21329	8.3524	2.151913278	Residential	6.63E-08	0	1.7E-03
offsite	591514.99	4139564.85	0.92906	1.15069	0.86515	0.19715	0.032464227	16.95905	18.92463	16.20057	8.31407	2.049772204	Residential	5.91E-08	0	1.5E-03
offsite	591514.99	4139464.85	0.79124	0.9454	0.82219	0.18135	0.029000993	16.0937	17.47433	16.2069	8.28657	2.001660056	Residential	5.28E-08	0	1.3E-03
offsite	591514.99	4139364.85	0.67631	0.77039	0.77279	0.16746	0.025928562	15.25803	16.19399	16.19192	8.26766	1.957908689	Residential	4.72E-08	0	1.2E-03
offsite	591514.99	4139264.85	0.58071	0.62326	0.71833	0.15515	0.023200766	14.44075	15.02801	16.19595	8.25112	1.917206998	Residential	4.22E-08	0	1.1E-03
offsite	591614.99	4141764.85	0.93087	0.87059	0.38602	8.23527	0.500287955	13.75825	11.62333	17.15863	91.09072	12.38212848	Residential	9.11E-07	1	2.3E-02
offsite	591614.99	4141664.85	1.08096	0.95736	0.41452	4.16423	0.262206423	14.5986	11.98119	16.88861	47.37929	6.849810465	Residential	4.77E-07	0	1.2E-02
offsite	591614.99	4141564.85	1.26552	1.0519	0.44698	2.80567	0.184288078	15.58833	12.72615	16.36426	33.48658	5.110990109	Residential	3.36E-07	0	8.5E-03
offsite	591614.99	4141464.85	1.48896	1.15358	0.48394	2.12615	0.146740334	16.78498	13.12667	15.52759	26.5123	4.24411216	Residential	2.67E-07	0	6.8E-03
path	591614.99	4141364.85	1.74873	1.26256	0.52339	1.71179	0.125139348	18.14483	14.79707	15.20694	21.16954	3.619429558	Parks/Paths	2.28E-07	0	5.8E-03
path	591614.99	4141264.85	2.04575	1.3824	0.5668	1.43326	0.111903972	19.82947	14.3478	15.21677	17.81641	3.223335904	Parks/Paths	2.04E-07	0	5.2E-03
Phase8	591614.99	4141164.85	2.41135	1.47015	0.58384	1.24365	0.103977612	21.98653	15.24073	15.17111	16.20898	3.082098228	Residential	1.89E-07	0	4.8E-03
Phase8	591614.99	4141064.85	2.77018	1.61525	0.62915	1.07891	0.098047347	24.70469	17.66254	15.1018	15.10704	3.043983125	Residential	1.79E-07	0	4.5E-03
Phase8	591614.99	4140964.85	3.22185	1.88896	0.70156	0.94126	0.095347551	29.86837	18.57728	14.84798	14.1547	3.049728839	Residential	1.74E-07	0	4.4E-03
offsite	591614.99	4140464.85	8.99222	4.91637	0.85639	0.51102	0.12961104	113.95739	40.10461	14.20467	10.70109	4.852029662	Residential	2.36E-07	0	6.0E-03
offsite	591614.99	4140364.85	4.74091	7.39036	0.87045	0.45593	0.110457472	62.21301	56.25728	14.21264	10.11663	3.907637367	Residential	2.01E-07	0	5.1E-03
offsite	591614.99	4140264.85	3.27877	16.76869	0.87883	0.408	0.150913054	49.20627	110.22987	14.2154	9.27771	4.457793019	Residential	2.75E-07	0	7.0E-03
offsite	591614.99	4139864.85	1.43873	3.16151	0.86041	0.27092	0.051874049	24.99283	33.21954	15.34169	8.40122	2.475636777	Residential	9.45E-08	0	2.4E-03
offsite	591614.99	4139764.85	1.23161	2.42195	0.84349	0.24685	0.044610494	22.33837	28.28947	15.37353	8.34262	2.323100775	Residential	8.12E-08	0	2.1E-03
offsite	591614.99	4139664.85	1.05911	1.91649	0.8211	0.22577	0.0390577	19.33035	24.97217	15.37912	8.30134	2.192710081	Residential	7.11E-08	0	1.8E-03
offsite	591614.99	4139564.85	0.91279	1.53877	0.79317	0.20724	0.03452157	17.0348	22.56741	15.38122	8.26991	2.095398866	Residential	6.29E-08	0	1.6E-03
offsite	591614.99	4139464.85	0.78804	1.23903	0.75968	0.19088	0.030662531	15.68428	20.71134	15.37648	8.24608	2.029625674	Residential	5.58E-08	0	1.4E-03
offsite	591614.99	4139364.85	0.68183	0.99236	0.72077	0.17643	0.027302687	14.43265	19.19674	15.3763	8.23045	1.973167809	Residential	4.97E-08	0	1.3E-03
offsite	591614.99	4139264.85	0.59171	0.78804	0.67717	0.16358	0.02435162	13.34494	17.9077	15.37066	8.22022	1.924910959	Residential	4.43E-08	0	1.1E-03
offsite	591714.99	4141764.85	0.90345	0.75988	0.35743	7.65166	0.46481653	14.41927	10.86984	16.07676	81.88394	11.19518421	Residential	8.46E-07	1	2.1E-02

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million (Residential 30-yr; school and pa	CHRONIC HAZARD QUOTIENT
offsite	591714.99	4141664.85	1.06338	0.82989	0.38136	4.01421	0.252218775	15.27307	11.16071	15.36666	47.25985	6.80863852	Residential	4.59E-07	0	1.2E-02
offsite	591714.99	4141564.85	1.26791	0.9057	0.40833	2.735	0.178962268	16.27346	11.50889	14.76294	33.0891	5.026387915	Residential	3.26E-07	0	8.3E-03
offsite	591714.99	4141464.85	1.52608	0.98666	0.43818	2.07743	0.14277292	17.4354	11.91514	14.57141	26.8659	4.265540114	Residential	2.60E-07	0	6.6E-03
offsite	591714.99	4141364.85	1.84668	1.07392	0.47158	1.67756	0.122279631	19.26665	12.95785	14.50172	22.18549	3.72888875	Residential	2.23E-07	0	5.7E-03
path	591714.99	4141264.85	2.22829	1.16753	0.50742	1.40489	0.109772747	21.54954	13.40926	14.50109	18.42673	3.310220246	Parks/Paths	2.00E-07	0	5.1E-03
path	591714.99	4141164.85	2.66681	1.27196	0.54513	1.20456	0.102010903	23.6326	13.64231	14.40325	15.90021	3.038094613	Parks/Paths	1.86E-07	0	4.7E-03
Phase8	591714.99	4141064.85	3.19908	1.38521	0.58128	1.06006	0.098240746	28.62522	14.43697	14.1667	14.63881	2.998963447	Residential	1.79E-07	0	4.5E-03
offsite	591714.99	4140564.85	20.60653	2.56829	0.74286	0.57836	0.201569421	213.19756	22.72021	13.27939	10.97691	6.778430728	Residential	3.67E-07	0	9.3E-03
offsite	591714.99	4140464.85	6.12762	3.08179	0.76224	0.51772	0.098361945	79.69852	27.18449	13.44866	10.56295	3.830861878	Residential	1.79E-07	0	4.5E-03
school	591714.99	4140364.85	3.83186	3.85794	0.777	0.46448	0.083499689	50.3999	33.2871	13.48311	10.13602	3.231080965	School	1.52E-07	0	3.9E-03
offsite	591714.99	4140264.85	2.82611	5.19026	0.78669	0.41774	0.081306683	42.70107	42.6441	13.50144	9.57644	3.152796735	Residential	1.48E-07	0	3.8E-03
offsite	591714.99	4140164.85	2.24447	8.13208	0.7917	0.37675	0.09161584	37.47483	61.30628	13.49154	8.7595	3.259658047	Residential	1.67E-07	0	4.2E-03
offsite	591714.99	4140064.85	1.85647	22.45531	0.79225	0.34083	0.168582961	27.52084	142.62507	13.92389	8.55006	4.444991994	Residential	3.07E-07	0	7.8E-03
offsite	591714.99	4139964.85	1.57357	16.58277	0.78854	0.30934	0.131135749	24.35482	121.22777	14.36463	8.44759	3.993811461	Residential	2.39E-07	0	6.1E-03
offsite	591714.99	4139864.85	1.35366	6.43512	0.78078	0.28167	0.069899914	22.98238	54.64903	14.57379	8.36705	2.788891907	Residential	1.27E-07	0	3.2E-03
offsite	591714.99	4139764.85	1.17435	4.04946	0.76862	0.25735	0.053456648	21.90096	39.57736	14.66602	8.30906	2.49468239	Residential	9.73E-08	0	2.5E-03
offsite	591714.99	4139664.85	1.02304	2.9109	0.75187	0.23589	0.044464836	18.37446	32.15594	14.70316	8.26471	2.280911081	Residential	8.10E-08	0	2.1E-03
offsite	591714.99	4139564.85	0.89289	2.21081	0.73037	0.21692	0.03823282	16.90401	27.66627	14.71323	8.23336	2.165576339	Residential	6.96E-08	0	1.8E-03
offsite	591714.99	4139464.85	0.78028	1.71625	0.7041	0.20016	0.033387392	13.85329	24.63253	14.71721	8.21648	2.042278475	Residential	6.08E-08	0	1.5E-03
offsite	591714.99	4139364.85	0.68262	1.33965	0.6733	0.18521	0.029388426	13.2449	22.4331	14.71707	8.19827	1.987822543	Residential	5.35E-08	0	1.4E-03
offsite	591714.99	4139264.85	0.59834	1.03883	0.63829	0.17188	0.025975441	12.8875	20.74173	14.71415	8.18928	1.948995836	Residential	4.73E-08	0	1.2E-03
offsite	591814.99	4141764.85	0.86186	0.67106	0.33248	7.08859	0.430612299	15.0696	9.95788	14.44611	77.77475	10.64315411	Residential	7.84E-07	1	2.0E-02
offsite	591814.99	4141664.85	1.02682	0.72892	0.35305	3.86131	0.242121192	16.1052	10.22909	14.30781	46.55883	6.703262594	Residential	4.41E-07	0	1.1E-02
offsite	591814.99	4141564.85	1.24671	0.7911	0.37589	2.66585	0.173794302	17.28019	10.53492	14.07938	33.82335	5.113052519	Residential	3.16E-07	0	8.0E-03
offsite	591814.99	4141464.85	1.54168	0.85783	0.40162	2.03928	0.139574953	18.67455	11.00301	13.95194	26.86756	4.266533135	Residential	2.54E-07	0	6.5E-03
offsite	591814.99	4141364.85	1.93109	0.92809	0.42908	1.64892	0.119980471	20.32717	11.29255	13.93523	22.73197	3.782824472	Residential	2.18E-07	0	5.5E-03
offsite	591814.99	4141264.85	2.43307	1.00347	0.45869	1.38136	0.108469373	23.35135	12.30042	13.83844	19.24624	3.423441487	Residential	1.98E-07	0	5.0E-03
path	591814.99	4141164.85	3.0559	1.08506	0.49041	1.18586	0.102116316	27.91358	12.27824	13.60655	16.41956	3.161634474	Parks/Paths	1.86E-07	0	4.7E-03
path	591814.99	4141064.85	3.8012	1.17767	0.52298	1.03394	0.099270842	33.8846	12.87367	13.12828	14.42144	3.043005085	Parks/Paths	1.81E-07	0	4.6E-03
offsite	591814.99	4140564.85	9.4551	1.95592	0.66472	0.58146	0.118431138	109.86191	18.23908	12.41786	10.77543	4.35537607	Residential	2.16E-07	0	5.5E-03
school	591814.99	4140464.85	4.73376	2.24204	0.68332	0.5231	0.083290094	63.30257	20.74455	12.74636	10.40808	3.320406639	School	1.52E-07	0	3.9E-03
school	591814.99	4140364.85	3.24674	2.62557	0.69794	0.47159	0.07202409	46.03566	24.23499	12.86319	10.06093	2.954623197	School	1.31E-07	0	3.3E-03
offsite	591814.99	4140264.85	2.49585	3.17043	0.70848	0.42609	0.067221193	37.76682	28.76	12.887	9.66571	2.799855087	Residential	1.22E-07	0	3.1E-03
offsite	591814.99	4140164.85	2.03195	4.01292	0.71495	0.38591	0.066432524	33.69177	35.05451	12.89641	9.12111	2.750392367	Residential	1.21E-07	0	3.1E-03
offsite	591814.99	4140064.85	1.7098	5.51217	0.71776	0.35051	0.0706511	24.47175	45.22593	12.89246	8.54634	2.650159319	Residential	1.29E-07	0	3.3E-03
offsite	591814.99	4139964.85	1.46868	9.07621	0.71683	0.31927	0.087453234	20.88902	67.3423	13.33172	8.44875	2.953487552	Residential	1.59E-07	0	4.0E-03
offsite	591814.99	4139864.85	1.27798	34.79027	0.71231	0.29161	0.23134067	21.03101	211.70809	13.78482	8.36046	5.48546411	Residential	4.21E-07	0	1.1E-02
offsite	591814.99	4139764.85	1.12084	12.69136	0.70395	0.26713	0.102452443	21.02052	94.23151	14.01478	8.29391	3.42033026	Residential	1.87E-07	0	4.7E-03
offsite	591814.99	4139664.85	0.98716	5.72185	0.69151	0.24547	0.060298574	17.47245	50.77516	14.11964	8.25181	2.575517355	Residential	1.10E-07	0	2.8E-03
offsite	591814.99	4139564.85	0.871	3.67466	0.67503	0.22621	0.046496994	16.55153	37.87543	14.1651	8.21995	2.325481069	Residential	8.47E-08	0	2.2E-03
offsite	591814.99	4139464.85	0.76921	2.61971	0.65448	0.20906	0.038554495	14.55211	31.21282	14.18187	8.20192	2.162050579	Residential	7.02E-08	0	1.8E-03
offsite	591814.99	4139364.85	0.67963	1.94782	0.63011	0.19369	0.03295813	12.56613	27.11176	14.18916	8.17522	2.042580541	Residential	6.00E-08	0	1.5E-03
offsite	591814.99	4139264.85	0.6013	1.45642	0.60184	0.18	0.028537154	12.31763	24.32049	14.18852	8.16575	1.986868992	Residential	5.20E-08	0	1.3E-03
offsite	591914.99	4141764.85	0.80764	0.5994	0.31123	6.61805	0.401901874	16.74809	9.14196	13.96192	74.28355	10.21430459	Residential	7.32E-07	1	1.9E-02
offsite	591914.99	4141664.85	0.96928	0.64742	0.32868	3.70791	0.231991489	18.12913	9.31226	13.66934	46.19481	6.674884722	Residential	4.22E-07	0	1.1E-02
offsite	591914.99	4141564.85	1.19401	0.69907	0.34811	2.59335	0.168375727	19.78661	9.51725	13.475	34.17149	5.184724206	Residential	3.07E-07	0	7.8E-03
offsite	591914.99	4141464.85	1.51405	0.75458	0.37014	1.99727	0.136034015	21.79795	10.1237	13.47665	26.60314	4.278834033	Residential	2.48E-07	0	6.3E-03
offsite	591914.99	4141364.85	1.97263	0.8127	0.39335	1.62046	0.117621729	24.26546	10.061	13.38953	22.81937	3.850573064	Residential	2.14E-07	0	5.4E-03
offsite	591914.99	4141264.85	2.62933	0.87441	0.41826	1.3598	0.107495274	27.39548	11.06267	13.14479	19.77834	3.547340327	Residential	1.96E-07	0	5.0E-03
offsite	591914.99	4141164.85	3.55466	0.94075	0.44527	1.16866	0.103416691	32.75935	11.41371	12.72463	17.10612	3.326275958	Residential	1.88E-07	0	4.8E-03
offsite	591914.99	4141064.85	4.8395	1.01346	0.4731	1.02082	0.104484354	38.09111	11.31382	12.33912	14.88323	3.154271071	Residential	1.90E-07	0	4.8E-03
path	591914.99	4140964.85	6.70037	1.09475	0.501	0.90194	0.111395604	57.68975	11.89518	11.5919	13.27395	3.383896343	Parks/Paths	2.03E-07	0	5.2E-03
path	591914.99	4140864.85	10.21216	1.1869	0.52859	0.8037	0.131297058	101.5929	12.5899	11.59672	12.43141	4.267922744	Parks/Paths	2.39E-07	0	6.1E-03
offsite	591914.99	4140664.85	19.31667	1.41957	0.5778	0.64716	0.188442804	238.36002	14.80757	11.58543	10.99223	7.172912324	Residential	3.43E-07	0	8.7E-03
offsite	591914.99	4140564.85	6.27013	1.56954	0.59874	0.58357	0.093162263	77.00926	15.6518	11.57716	10.59066	3.539384841	Residential	1.70E-07	0	4.3E-03
offsite	591914.99	4140464.85	3.84567	1.75175	0.61629	0.52728	0.07383849	49.76731	17.05219	12.06002	10.25039	2.921840259	Residential	1.34E-07	0	3.4E-03
school	591914.99	4140364.85	2.81788	1.9806	0.63089	0.47754	0.065051504	39.56552	19.17819	12.29479	9.95406	2.698156645	School	1.18E-07	0	3.0E-03
park	591914.99	4140264.85	2.23739	2.27644	0.64187	0.43332	0.060114358	34.4267	21.99086	12.37556	9.65475	2.596316768	Parks/Paths	1.09E-07	0	2.8E-03
offsite	591914.99	4140164.85	1.85805	2.677	0.6494	0.39405	0.057463892	30.61911	25.52691	12.39583	9.28464	2.526790382	Residential	1.05E-07	0	2.7E-03
offsite	591914.99	4140064.85	1.58538	3.25463	0.65374	0.35921	0.056814713	22.48779	30.11707	12.4042	8.75316	2.358651623	Residential	1.03E-07	0	2.6E-03
offsite	591914.99	4139964.85	1.37683	4.17326	0.6549	0.32826	0.058769732	19.93064	36.73169	12.40022	8.45999	2.380348128	Residential	1.07E-07	0	2.7E-03
offsite	591914.99	4139864.85	1.20984	5.86384	0.65286	0.30075	0.065604294	19.21822	48.02438	12.8527	8.37433	2.559573224	Residential	1.19E-07	0	3.0E-03
offsite	591914.99	4139764.85	1.07101	10.27715	0.64742	0.27628	0.088343248	19.89416	75.08323	13.31819	8.31022	3.049245337	Residential	1.61E-07	0	4.1E-03
offsite	591914.99	4139664.85	0.95201	43.46165	0.63847	0.25446	0.275724701	17.91643	255.97374	13.56554	8.25993	6.175812207	Residential	5.02E-07	1	1.3E-02
offsite	591914.99	4139564.85	0.84788	10.14183	0.62598	0.23499	0.083363405	15.9139	79.69559	13.68404	8.22682	3.037217919	Residential	1.52E-07	0	3.9E-03
offsite	591914.99	4139464.85	0.7557	5.0528	0.61002	0.21756	0.052465666	14.7511	47.58704	13.73789	8.19805	2.445416773	Residential	9.55E-08	0	2.4E-03
offsite	591914.99	4139364.85	0.67377	3.25717	0.59064	0.20188	0.040529415	12.33426	36.40734	13.76202	8.17195	2.192556807	Residential	7.38E-08	0	1.9E-03
offsite	591914.99	4139264.85	0.6012	2.25767	0.5678	0.18786	0.03327517	11.73776	30.39788	13.772	8.1606	2.072588789	Residential	6.06E-08	0	1.5E-03
offsite	592014.99	4141764.85	0.74252	0.54016	0.29245	6.15151	0.373442697	17.66715	8.40789	13.34702	70.99747	9.79372751	Residential	6.80E-07	1	1.7E-02
offsite	592014.99	4141664.85	0.89254	0.58071	0.30759	3.55185	0.221682414	19.39815	8.54522	13.11876	45.85905	6.637432568	Residential	4.04E-07	0	1.0E-02
offsite	592014.99	4141564.85	1.10752	0.6241	0.32427	2.51556	0.162538102	21.52957	8.71506	13.08358	34.12328	5.196535214	Residential	2.96E-07	0	7.5E-03
offsite	592014.99	4141464.85	1.43013	0.67085	0.34323	1.95079	0.131982338	24.34338	9.24534	13.02704	26.95696	4.357250001	Residential	2.40E-07	0	6.1E-03
offsite	592014.99	4141364.85	1.93297	0.71954	0.36303	1.58922	0.114698019	28.10062	9.61653	12.79188	22.69035	3.901426345	Residential	2.09E-07	0	5.3E-03
offsite	592014.99	4141264.85	2.75092	0.77096	0.38446	1.33745	0.106149948	33.46518	9.81219	12.40134	19.97354	3.67250645	Residential	1.93E-07	0	4.9E-03
offsite	592014.99	4141164.85	4.11581	0.82563	0.40723	1.15133	0.105381911	42.19442	10.63539	12.05739	17.61069	3.575384677	Residential	1.92E-07	0	4.9E-03
offsite	592014.99	4141064.85	6.52847	0.88458	0.4311	1.00763	0.114582587	60.05677	10.54722	11.27995	15.46971	3.686487463	Residential	2.09E-07	0	5.3E-03
offsite	592014.99	4140964.85	12.76484	0.94918	0.45533	0.89234	0.152625266	105.04643	10.57628	11.21825	13.68109	4.461717561	Residential	2.78E-07	0	7.1E-03
offsite	592014.99	4140764.85	12.78343	1.10228	0.5023	0.71616	0.143667029	187.67993	11.88555	11.21868	11.59399	6.061811727	Residential	2.62E-07	0	6.6E-03
offsite	592014.99	4140664.85	6.74011	1.19379	0.52261	0.64557	0.097328083	115.5969	13.18206	11.1787	10.85764	4.383283937	Residential	1.77E-07	0	4.5E-03
offsite	592014.99	4140564.85	4.4147	1.30222	0.54251	0.58472	0.078037782	62.01481	14.03085	11.17947	10.43912	3.150453186	Residential	1.42E-07	0	3.6E-03

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million (Residential 30-yr; school and pa	CHRONIC HAZARD QUOTIENT
offsite	592014.99	4140464.85	3.17466	1.4286	0.55932	0.53052	0.066916073	41.43951	14.87575	11.32149	10.11229	2.667532951	Residential	1.22E-07	0	3.1E-03
offsite	592014.99	4140364.85	2.46748	1.5799	0.57337	0.48236	0.060049243	35.89017	16.12615	11.7443	9.84083	2.538665585	Residential	1.09E-07	0	2.8E-03
offsite	592014.99	4140264.85	2.01827	1.76456	0.58427	0.43932	0.055477263	31.78638	17.91767	11.91127	9.58928	2.449566479	Residential	1.01E-07	0	2.6E-03
offsite	592014.99	4140164.85	1.70712	1.99763	0.5926	0.40103	0.052418601	28.09521	20.23379	11.96905	9.32471	2.375302009	Residential	9.54E-08	0	2.4E-03
offsite	592014.99	4140064.85	1.47516	2.30181	0.59825	0.36687	0.050547707	21.11356	23.08111	11.98935	8.9703	2.224927574	Residential	9.20E-08	0	2.3E-03
offsite	592014.99	4139964.85	1.29418	2.71985	0.60098	0.33633	0.049876463	19.04928	26.62308	11.99152	8.47171	2.177733125	Residential	9.08E-08	0	2.3E-03
offsite	592014.99	4139864.85	1.14725	3.33216	0.60088	0.30904	0.050723135	17.64218	31.35597	11.99222	8.38748	2.218687846	Residential	9.24E-08	0	2.3E-03
offsite	592014.99	4139764.85	1.02396	4.32805	0.59775	0.28465	0.054073029	18.65739	38.43855	12.4688	8.32746	2.366265012	Residential	9.85E-08	0	2.5E-03
offsite	592014.99	4139664.85	0.91759	6.24955	0.59159	0.26274	0.062950461	17.86209	51.15797	12.94051	8.26658	2.572150838	Residential	1.15E-07	0	2.9E-03
offsite	592014.99	4139564.85	0.82396	11.92527	0.58226	0.24319	0.093477992	15.13244	85.39204	13.20335	8.24061	3.113044428	Residential	1.70E-07	0	4.3E-03
offsite	592014.99	4139464.85	0.74046	42.05746	0.56991	0.22558	0.26389066	14.57557	255.96593	13.33765	8.21128	6.091023827	Residential	4.81E-07	0	1.2E-02
offsite	592014.99	4139364.85	0.66558	8.38922	0.55453	0.2097	0.069932204	12.96688	69.03078	13.4013	8.18779	2.774553888	Residential	1.27E-07	0	3.2E-03
offsite	592014.99	4139264.85	0.59849	4.3609	0.53614	0.19539	0.045434874	11.17848	44.90882	13.43044	8.17036	2.309893648	Residential	8.27E-08	0	2.1E-03
offsite	592114.99	4141764.85	0.67207	0.49073	0.27587	5.67744	0.344577555	19.62275	7.86694	12.84033	68.10612	9.45168293	Residential	6.27E-07	1	1.6E-02
offsite	592114.99	4141664.85	0.80282	0.52523	0.28908	3.37869	0.210360642	22.10821	7.95874	12.79973	45.22068	6.600887854	Residential	3.83E-07	0	9.7E-03
offsite	592114.99	4141564.85	0.99307	0.56224	0.30366	2.42406	0.155797759	25.43109	8.11537	12.70852	33.83301	5.229559111	Residential	2.84E-07	0	7.2E-03
offsite	592114.99	4141464.85	1.28751	0.60191	0.32005	1.8941	0.1270301	29.98913	8.40802	12.50862	27.39001	4.514364589	Residential	2.31E-07	0	5.9E-03
offsite	592114.99	4141364.85	1.77863	0.64316	0.33711	1.55163	0.110721298	36.40381	9.13341	12.14613	22.50066	4.042663748	Residential	2.02E-07	0	5.1E-03
offsite	592114.99	4141264.85	2.68524	0.68653	0.35551	1.31106	0.10338944	45.89349	8.82866	11.84796	19.95215	3.919929108	Residential	1.88E-07	0	4.8E-03
offsite	592114.99	4141164.85	4.57472	0.7323	0.37503	1.13209	0.106685437	61.25015	9.75166	11.16882	17.85016	3.999578833	Residential	1.94E-07	0	4.9E-03
offsite	592114.99	4141064.85	9.34722	0.78106	0.39559	0.99336	0.132836408	104.35295	10.06975	10.91758	15.94018	4.719077824	Residential	2.42E-07	0	6.1E-03
path	592114.99	4140864.85	9.80963	0.89104	0.43764	0.78986	0.12512752	135.37433	10.21692	10.91637	12.72468	5.004772931	Parks/Paths	2.28E-07	0	5.8E-03
path	592114.99	4140764.85	5.87519	0.95409	0.45795	0.71185	0.093152992	123.2598	10.66553	10.90629	11.62512	4.60270601	Parks/Paths	1.70E-07	0	4.3E-03
offsite	592114.99	4140664.85	4.26929	1.02513	0.47629	0.6436	0.078304685	78.10092	11.38561	10.84667	10.86186	3.510556998	Residential	1.43E-07	0	3.6E-03
offsite	592114.99	4140564.85	3.30773	1.10665	0.49471	0.58501	0.068658329	51.50829	12.59088	10.86079	10.36182	2.875564307	Residential	1.25E-07	0	3.2E-03
offsite	592114.99	4140464.85	2.63399	1.19888	0.51036	0.53265	0.061458011	37.69116	13.41443	10.86863	10.00717	2.537054206	Residential	1.12E-07	0	2.8E-03
offsite	592114.99	4140364.85	2.16039	1.30576	0.52369	0.48598	0.056076254	32.87678	14.23113	11.16247	9.7371	2.414883922	Residential	1.02E-07	0	2.6E-03
offsite	592114.99	4140264.85	1.82132	1.43189	0.53498	0.4444	0.052040908	29.60928	15.34276	11.47605	9.51743	2.339120769	Residential	9.48E-08	0	2.4E-03
offsite	592114.99	4140164.85	1.5695	1.58312	0.5435	0.40699	0.048989214	26.0265	16.88532	11.59655	9.30511	2.261440281	Residential	8.92E-08	0	2.3E-03
offsite	592114.99	4140064.85	1.37403	1.76882	0.54984	0.3735	0.046745948	19.93559	18.82503	11.63955	9.05914	2.129177585	Residential	8.51E-08	0	2.2E-03
offsite	592114.99	4139964.85	1.21757	2.0046	0.55373	0.34343	0.045245391	18.25114	21.17327	11.65244	8.7059	2.08816507	Residential	8.24E-08	0	2.1E-03
offsite	592114.99	4139864.85	1.08843	2.31499	0.55511	0.31644	0.044524172	16.40851	23.99978	11.65376	8.42043	2.060420816	Residential	8.11E-08	0	2.1E-03
offsite	592114.99	4139764.85	0.97892	2.74604	0.55383	0.2922	0.044770041	17.40441	27.59609	11.65367	8.33641	2.135026275	Residential	8.15E-08	0	2.1E-03
offsite	592114.99	4139664.85	0.88376	3.3905	0.54981	0.2704	0.046456457	17.45342	32.5569	12.15721	8.28994	2.226041431	Residential	8.46E-08	0	2.1E-03
offsite	592114.99	4139564.85	0.79945	4.4693	0.54307	0.25076	0.05080449	14.7899	40.2451	12.63917	8.25437	2.305426684	Residential	9.25E-08	0	2.3E-03
offsite	592114.99	4139464.85	0.72375	6.67613	0.53365	0.23303	0.061747087	14.15473	54.82002	12.91365	8.22293	2.547713592	Residential	1.12E-07	0	2.9E-03
offsite	592114.99	4139364.85	0.6554	14.456	0.52148	0.21704	0.10466009	13.20658	100.6322	13.06262	8.20738	3.330727725	Residential	1.91E-07	0	4.8E-03
offsite	592114.99	4139264.85	0.59354	30.51097	0.50669	0.20252	0.194960164	11.24361	205.25518	13.1348	8.19126	5.121208409	Residential	3.55E-07	0	9.0E-03
offsite	592214.99	4141664.85	0.71066	0.47867	0.27277	3.14223	0.195361952	25.41219	7.64743	12.48078	44.44292	6.564705293	Residential	3.56E-07	0	9.0E-03
offsite	592214.99	4141564.85	0.86607	0.51033	0.28546	2.29838	0.14703247	28.85606	7.77304	12.25323	33.46579	5.245293191	Residential	2.68E-07	0	6.8E-03
offsite	592214.99	4141464.85	1.1066	0.54444	0.29985	1.81839	0.12077735	33.12009	7.95508	11.94997	27.53439	4.584782183	Residential	2.20E-07	0	5.6E-03
offsite	592214.99	4141364.85	1.51653	0.57971	0.31459	1.50249	0.105403375	39.51796	8.6059	11.68024	22.70738	4.120941627	Residential	1.92E-07	0	4.9E-03
offsite	592214.99	4141264.85	2.33382	0.61671	0.33053	1.27748	0.098296394	54.58682	8.53116	11.09144	19.83567	4.080480475	Residential	1.79E-07	0	4.5E-03
offsite	592214.99	4141164.85	4.41676	0.65545	0.34727	1.10815	0.103468367	90.16065	8.83575	10.74395	17.89302	4.626055519	Residential	1.88E-07	0	4.8E-03
offsite	592214.99	4141064.85	13.74871	0.69647	0.36516	0.97601	0.162292839	189.20208	9.49282	10.70203	16.20611	6.630605565	Residential	2.96E-07	0	7.5E-03
path	592214.99	4140764.85	4.03416	0.83839	0.42	0.70571	0.078729628	94.95206	9.86085	10.64288	11.95978	3.995394917	Parks/Paths	1.43E-07	0	3.6E-03
offsite	592214.99	4140664.85	3.18154	0.89405	0.43663	0.64033	0.069292541	62.60934	10.26024	10.5444	11.032	3.161767574	Residential	1.26E-07	0	3.2E-03
offsite	592214.99	4140564.85	2.6323	0.95723	0.45339	0.58385	0.062576758	43.23258	11.00794	10.58643	10.40009	2.663358476	Residential	1.14E-07	0	2.9E-03
offsite	592214.99	4140464.85	2.21776	1.02742	0.46807	0.53346	0.057197236	34.70615	12.10531	10.61062	9.96802	2.43805441	Residential	1.04E-07	0	2.6E-03
offsite	592214.99	4140364.85	1.89546	1.1068	0.4809	0.48846	0.052825933	30.37938	12.90483	10.61086	9.6691	2.317648657	Residential	9.62E-08	0	2.4E-03
offsite	592214.99	4140264.85	1.64244	1.19756	0.49179	0.4481	0.049267447	27.74962	13.68679	11.01958	9.44778	2.251777227	Residential	8.97E-08	0	2.3E-03
offsite	592214.99	4140164.85	1.44148	1.30273	0.50058	0.41175	0.046378355	24.29107	14.69477	11.24756	9.26318	2.172893059	Residential	8.44E-08	0	2.1E-03
offsite	592214.99	4140064.85	1.27898	1.42684	0.50737	0.379	0.04406476	18.92737	16.03126	11.33557	9.07684	2.054625494	Residential	8.02E-08	0	2.0E-03
offsite	592214.99	4139964.85	1.14491	1.57617	0.51208	0.3495	0.042270038	17.5428	17.68684	11.3669	8.83738	2.022925844	Residential	7.70E-08	0	2.0E-03
offsite	592214.99	4139864.85	1.03205	1.76046	0.5146	0.32292	0.040978179	15.41484	19.65424	11.37732	8.52388	1.970350805	Residential	7.46E-08	0	1.9E-03
offsite	592214.99	4139764.85	0.93513	1.9948	0.51474	0.29891	0.040215691	16.22151	21.96814	11.37884	8.42336	2.016177015	Residential	7.32E-08	0	1.9E-03
offsite	592214.99	4139664.85	0.85015	2.30622	0.51246	0.27727	0.040096479	16.81759	24.81481	11.39369	8.34301	2.069448324	Residential	7.30E-08	0	1.9E-03
offsite	592214.99	4139564.85	0.77432	2.74379	0.50776	0.25768	0.040862238	15.27509	28.50817	11.90794	8.28595	2.101594029	Residential	7.44E-08	0	1.9E-03
offsite	592214.99	4139464.85	0.70582	3.40857	0.50064	0.23997	0.043067415	13.59873	33.77598	12.39814	8.26283	2.162260689	Residential	7.84E-08	0	2.0E-03
offsite	592214.99	4139364.85	0.64346	4.56467	0.49118	0.22385	0.048196113	13.15515	42.21906	12.68345	8.23315	2.301683132	Residential	8.78E-08	0	2.2E-03
offsite	592214.99	4139264.85	0.58657	7.09583	0.47934	0.20921	0.061285762	11.82363	59.18081	12.84374	8.20791	2.569097531	Residential	1.12E-07	0	2.8E-03
offsite	592314.99	4141564.85	0.74705	0.467	0.26999	2.10613	0.134474271	30.63913	7.48284	11.79771	33.42648	5.26698675	Residential	2.45E-07	0	6.2E-03
offsite	592314.99	4141464.85	0.9263	0.49603	0.28208	1.70902	0.11261877	37.57345	7.62155	11.56065	27.50479	4.667640071	Residential	2.05E-07	0	5.2E-03
offsite	592314.99	4141364.85	1.21957	0.52646	0.29493	1.43415	0.098790351	48.52895	8.06096	11.03384	23.13796	4.355655203	Residential	1.80E-07	0	4.6E-03
offsite	592314.99	4141264.85	1.78375	0.55826	0.3087	1.23186	0.0911772	77.57048	8.29994	10.61718	19.68382	4.561233894	Residential	1.66E-07	0	4.2E-03
offsite	592314.99	4141164.85	3.27408	0.59152	0.32344	1.07657	0.092922387	111.88024	8.14099	10.5868	17.84179	5.088830778	Residential	1.69E-07	0	4.3E-03
offsite	592314.99	4141064.85	12.49432	0.62624	0.33863	0.95311	0.151405711	227.41751	8.83369	10.47074	16.296	7.478394863	Residential	2.76E-07	0	7.0E-03
path	592314.99	4140764.85	3.18707	0.74366	0.38741	0.69767	0.071414521	74.45812	9.15789	10.42215	12.38083	3.575791241	Parks/Paths	1.30E-07	0	3.3E-03
path	592314.99	4140664.85	2.57593	0.78906	0.40307	0.63575	0.063827596	53.03781	9.48521	10.27803	11.36145	2.971970885	Parks/Paths	1.16E-07	0	3.0E-03
offsite	592314.99	4140564.85	2.18949	0.83985	0.41768	0.58103	0.058280853	36.91677	9.83981	10.34674	10.57344	2.519888505	Residential	1.06E-07	0	2.7E-03
offsite	592314.99	4140464.85	1.90151	0.89476	0.43121	0.53263	0.053819138	32.22681	10.69349	10.3933	10.02628	2.36161304	Residential	9.80E-08	0	2.5E-03
offsite	592314.99	4140364.85	1.67086	0.95567	0.44328	0.48929	0.050083717	28.24687	11.71302	10.39774	9.65677	2.243905002	Residential	9.12E-08	0	2.3E-03
offsite	592314.99	4140264.85	1.48121	1.02394	0.45397	0.4504	0.046931251	26.16845	12.48569	10.50774	9.4064	2.181242251	Residential	8.55E-08	0	2.2E-03
offsite	592314.99	4140164.85	1.32242	1.10084	0.46281	0.4152	0.044248086	22.82215	13.2325	10.88557	9.22172	2.102893175	Residential	8.06E-08	0	2.0E-03
offsite	592314.99	4140064.85	1.18871	1.18883	0.46991	0.38333	0.041987027	18.09669	14.16417	11.05427	9.06364	1.996756834	Residential	7.65E-08	0	1.9E-03
offsite	592314.99	4139964.85	1.07501	1.29072	0.47523	0.35452	0.040111885	16.91915	15.32588	11.12173	8.89097	1.970127334	Residential	7.30E-08	0	1.9E-03
offsite	592314.99	4139864.85	0.97731	1.41071	0.47856	0.3284	0.038594535	14.77767	16.75231	11.14343	8.65532	1.917849235	Residential	7.03E-08	0	1.8E-03
offsite	592314.99	4139764.85	0.89207	1.55488	0.4798	0.30475	0.037430742	15.16294	18.42213	11.15198	8.52476	1.93929103	Residential	6.82E-08	0	1.7E-03
offsite	592314.99	4139664.85	0.8165	1.73264	0.4789	0.28332	0.036639295	16.04539	20.35886	11.15324	8.44133	1.982357712	Residential	6.67E-08	0	1.7E-03
offsite	592314.99	4139564.85	0.74853	1.95896	0.47586	0.26387	0.03627689	15.40267	22.67083	11.33266	8.36568	2.002110941	Residential	6.61E-08	0	1.7E-03

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million (Residential 30-yr; school and pa	CHRONIC HAZARD QUOTIENT
offsite	592314.99	4139464.85	0.68666	2.25988	0.47069	0.24619	0.036469371	12.98732	25.55943	11.7069	8.30607	1.997907002	Residential	6.64E-08	0	1.7E-03
offsite	592314.99	4139364.85	0.62992	2.68442	0.4634	0.23007	0.037477631	12.88874	29.41528	12.19683	8.27161	2.067538731	Residential	6.82E-08	0	1.7E-03
offsite	592314.99	4139264.85	0.57776	3.33821	0.45396	0.21538	0.039893331	12.10048	35.05028	12.49435	8.24805	2.151015884	Residential	7.26E-08	0	1.8E-03
offsite	592414.99	4141464.85	0.7775	0.45474	0.26616	1.55815	0.102295328	47.37385	7.29302	10.99599	27.33837	4.849343574	Residential	1.86E-07	0	4.7E-03
offsite	592414.99	4141364.85	0.97382	0.48128	0.2776	1.34125	0.091160241	63.08562	7.52548	10.56436	23.35963	4.690730852	Residential	1.66E-07	0	4.2E-03
offsite	592414.99	4141264.85	1.30394	0.50868	0.28933	1.17059	0.083706861	80.685	8.01843	10.47857	19.84917	4.644309423	Residential	1.52E-07	0	3.9E-03
path	592414.99	4140664.85	2.16755	0.70482	0.37307	0.62777	0.059711961	45.57634	8.68139	10.01208	11.7347	2.834282451	Parks/Paths	1.09E-07	0	2.8E-03
offsite	592414.99	4140564.85	1.87007	0.7454	0.3865	0.57608	0.054906206	33.64331	9.08842	10.11219	10.87052	2.467361782	Residential	1.00E-07	0	2.5E-03
offsite	592414.99	4140464.85	1.6549	0.78955	0.39925	0.5301	0.051035344	30.16614	9.52674	10.21648	10.20882	2.315300125	Residential	9.29E-08	0	2.4E-03
offsite	592414.99	4140364.85	1.48231	0.83765	0.41056	0.48861	0.047740989	26.44617	10.43497	10.23134	9.73939	2.18892549	Residential	8.69E-08	0	2.2E-03
offsite	592414.99	4140264.85	1.33706	0.89048	0.42064	0.45116	0.044894806	24.81894	11.39675	10.23711	9.42515	2.129700391	Residential	8.17E-08	0	2.1E-03
offsite	592414.99	4140164.85	1.21196	0.94891	0.42947	0.41726	0.042421693	21.58288	12.14236	10.4827	9.20632	2.047134749	Residential	7.72E-08	0	2.0E-03
offsite	592414.99	4140064.85	1.1029	1.01405	0.43671	0.38639	0.040265168	17.41372	12.8569	10.76631	9.04777	1.951544401	Residential	7.33E-08	0	1.9E-03
offsite	592414.99	4139964.85	1.00757	1.0873	0.44241	0.35836	0.038406086	16.37237	13.70255	10.89497	8.90313	1.927039705	Residential	6.99E-08	0	1.8E-03
offsite	592414.99	4139864.85	0.92376	1.17064	0.44637	0.33287	0.036820623	14.63775	14.73867	10.94582	8.74379	1.88719029	Residential	6.70E-08	0	1.7E-03
offsite	592414.99	4139764.85	0.84941	1.26658	0.44845	0.30965	0.03549135	14.36653	15.98308	10.96389	8.61568	1.887012637	Residential	6.46E-08	0	1.6E-03
offsite	592414.99	4139664.85	0.78265	1.379	0.44862	0.28859	0.034420416	15.23673	17.41507	10.96992	8.54735	1.922955007	Residential	6.27E-08	0	1.6E-03
offsite	592414.99	4139564.85	0.72204	1.51264	0.4469	0.26934	0.033604236	15.25519	19.05784	11.02539	8.47295	1.943700023	Residential	6.12E-08	0	1.6E-03
offsite	592414.99	4139464.85	0.66641	1.67521	0.44332	0.25174	0.033069397	13.14711	20.97413	11.2856	8.40448	1.926170786	Residential	6.02E-08	0	1.5E-03
offsite	592414.99	4139364.85	0.61499	1.87919	0.43781	0.2357	0.032875809	12.49655	23.2996	11.53983	8.3395	1.948651146	Residential	5.99E-08	0	1.5E-03
offsite	592414.99	4139264.85	0.56734	2.14424	0.43037	0.22103	0.033121479	12.12566	26.27066	12.03494	8.28573	1.994331007	Residential	6.03E-08	0	1.5E-03
offsite	592514.99	4141364.85	0.80187	0.4424	0.26184	1.22711	0.082852119	64.83303	7.02046	10.41065	23.41938	4.725728993	Residential	1.51E-07	0	3.8E-03
path	592514.99	4140664.85	1.8218	0.63443	0.34703	0.61725	0.056005345	39.58343	8.32448	9.83995	12.10189	2.738045636	Parks/Paths	1.02E-07	0	2.6E-03
path	592514.99	4140564.85	1.61008	0.66809	0.35926	0.56881	0.051949454	31.0543	8.54598	9.87481	11.2286	2.441458358	Parks/Paths	9.46E-08	0	2.4E-03
offsite	592514.99	4140464.85	1.44977	0.70412	0.37079	0.52529	0.048555609	28.3478	9.02866	10.04134	10.49085	2.298785333	Residential	8.84E-08	0	2.2E-03
offsite	592514.99	4140364.85	1.31967	0.743	0.38158	0.48603	0.045636872	24.92279	9.41373	10.09341	9.92611	2.158355014	Residential	8.31E-08	0	2.1E-03
offsite	592514.99	4140264.85	1.20816	0.78503	0.3913	0.45035	0.043069504	23.67937	10.2291	10.09529	9.52302	2.093764091	Residential	7.84E-08	0	2.0E-03
offsite	592514.99	4140164.85	1.10953	0.83069	0.39983	0.4178	0.040788149	20.52559	11.13854	10.10089	9.23945	2.003480824	Residential	7.43E-08	0	1.9E-03
offsite	592514.99	4140064.85	1.02145	0.8806	0.4072	0.38815	0.038766527	16.83985	11.85927	10.45045	9.05506	1.916648691	Residential	7.06E-08	0	1.8E-03
offsite	592514.99	4139964.85	0.94236	0.93542	0.41315	0.36107	0.036975586	15.90866	12.54183	10.66924	8.90761	1.89296042	Residential	6.73E-08	0	1.7E-03
offsite	592514.99	4139864.85	0.87129	0.99612	0.41751	0.33624	0.035393619	14.48395	13.31749	10.7655	8.78445	1.860842781	Residential	6.44E-08	0	1.6E-03
offsite	592514.99	4139764.85	0.80709	1.06365	0.42015	0.31353	0.03400908	13.73824	14.25135	10.80078	8.67704	1.847570701	Residential	6.19E-08	0	1.6E-03
offsite	592514.99	4139664.85	0.74864	1.13975	0.42125	0.29288	0.032822023	14.44256	15.33979	10.81808	8.62188	1.875659522	Residential	5.98E-08	0	1.5E-03
offsite	592514.99	4139564.85	0.69493	1.22601	0.42059	0.27396	0.031812967	14.90955	16.58237	10.82226	8.56322	1.900486498	Residential	5.79E-08	0	1.5E-03
offsite	592514.99	4139464.85	0.64518	1.32467	0.41825	0.25662	0.030981046	13.64368	17.99693	11.01	8.50389	1.892825833	Residential	5.64E-08	0	1.4E-03
offsite	592514.99	4139364.85	0.59877	1.43835	0.41423	0.24065	0.030324455	12.04616	19.60944	11.26201	8.42427	1.879791042	Residential	5.52E-08	0	1.4E-03
offsite	592514.99	4139264.85	0.5555	1.57099	0.40841	0.22613	0.029867934	11.97414	21.51893	11.40902	8.38762	1.909594971	Residential	5.44E-08	0	1.4E-03
path	592614.99	4140564.85	1.38149	0.60373	0.33516	0.55894	0.049164162	29.16291	8.12016	9.70219	11.5713	2.432333322	Parks/Paths	8.95E-08	0	2.3E-03
path	592614.99	4140464.85	1.27092	0.63374	0.34588	0.51844	0.046259639	26.79226	8.50296	9.88315	10.82878	2.295042659	Parks/Paths	8.42E-08	0	2.1E-03
offsite	592614.99	4140364.85	1.17568	0.66569	0.35593	0.48153	0.04368058	23.76942	8.979	9.96721	10.19924	2.157502555	Residential	7.95E-08	0	2.0E-03
offsite	592614.99	4140264.85	1.09143	0.69979	0.36525	0.44784	0.041375053	22.69886	9.33707	9.98885	9.71187	2.078384597	Residential	7.53E-08	0	1.9E-03
offsite	592614.99	4140164.85	1.01466	0.73637	0.37354	0.41687	0.039287911	19.63338	10.05739	9.99011	9.34665	1.976304978	Residential	7.15E-08	0	1.8E-03
offsite	592614.99	4140064.85	0.94422	0.77565	0.38076	0.38846	0.037402466	16.36282	10.92686	10.0754	9.10737	1.889738424	Residential	6.81E-08	0	1.7E-03
offsite	592614.99	4139964.85	0.87952	0.81803	0.38686	0.36244	0.035706356	15.50821	11.6261	10.41837	8.92966	1.866380201	Residential	6.50E-08	0	1.7E-03
offsite	592614.99	4139864.85	0.81999	0.86388	0.3915	0.33847	0.034174596	14.33389	12.28162	10.5856	8.80738	1.839091905	Residential	6.22E-08	0	1.6E-03
offsite	592614.99	4139764.85	0.76517	0.91365	0.39469	0.31646	0.03280128	13.19987	13.00236	10.65917	8.73144	1.818092733	Residential	5.97E-08	0	1.5E-03
offsite	592614.99	4139664.85	0.71447	0.96792	0.3964	0.29631	0.031579374	13.71354	13.84516	10.69034	8.6832	1.838744655	Residential	5.75E-08	0	1.5E-03
offsite	592614.99	4139564.85	0.66727	1.02708	0.39659	0.27775	0.030490443	14.44319	14.80822	10.70079	8.63125	1.865486928	Residential	5.55E-08	0	1.4E-03
offsite	592614.99	4139464.85	0.62308	1.09176	0.39526	0.26076	0.02953343	13.87201	15.89725	10.74381	8.58916	1.867260458	Residential	5.38E-08	0	1.4E-03
offsite	592614.99	4139364.85	0.58148	1.16183	0.39245	0.24496	0.028682574	11.59302	17.12361	10.9963	8.51266	1.83266475	Residential	5.22E-08	0	1.3E-03
offsite	592614.99	4139264.85	0.54233	1.2369	0.38801	0.2306	0.027948055	11.70719	18.49422	11.24511	8.48236	1.859756882	Residential	5.09E-08	0	1.3E-03
path	592714.99	4140464.85	1.11147	0.57476	0.32368	0.50945	0.044064412	25.42878	8.02508	9.70622	11.16923	2.296412556	Parks/Paths	8.02E-08	0	2.0E-03
path	592714.99	4140364.85	1.04611	0.60152	0.33301	0.47501	0.041806883	22.74118	8.47086	9.85127	10.51351	2.16355778	Parks/Paths	7.61E-08	0	1.9E-03
path	592714.99	4140264.85	0.98496	0.62894	0.34192	0.44367	0.039761945	21.86306	8.94402	9.89544	9.98402	2.085792722	Parks/Paths	7.24E-08	0	1.8E-03
offsite	592714.99	4140164.85	0.92671	0.65947	0.35	0.41448	0.037874679	18.8686	9.2746	9.90304	9.53901	1.968436003	Residential	6.90E-08	0	1.8E-03
offsite	592714.99	4140064.85	0.8715	0.69037	0.35711	0.38759	0.036138019	16.00637	9.91767	9.90459	9.22681	1.876272885	Residential	6.58E-08	0	1.7E-03
offsite	592714.99	4139964.85	0.81905	0.72479	0.36311	0.36249	0.034536681	15.22611	10.75399	10.11925	8.99727	1.848146249	Residential	6.29E-08	0	1.6E-03
offsite	592714.99	4139864.85	0.77	0.7605	0.36804	0.33955	0.033084624	14.19983	11.43311	10.38838	8.85303	1.823566783	Residential	6.02E-08	0	1.5E-03
offsite	592714.99	4139764.85	0.7238	0.79841	0.37158	0.31832	0.031753784	12.86483	12.06734	10.51785	8.80309	1.800851012	Residential	5.78E-08	0	1.5E-03
offsite	592714.99	4139664.85	0.68032	0.83869	0.37378	0.29879	0.030544067	13.18406	12.743	10.57569	8.75055	1.814157221	Residential	5.56E-08	0	1.4E-03
offsite	592714.99	4139564.85	0.63923	0.88124	0.37465	0.28066	0.02943497	13.91394	13.50526	10.59921	8.67937	1.835168768	Residential	5.36E-08	0	1.4E-03
offsite	592714.99	4139464.85	0.60026	0.92593	0.37417	0.26395	0.028424834	13.86896	14.36734	10.60723	8.62035	1.841929551	Residential	5.18E-08	0	1.3E-03
offsite	592714.99	4139364.85	0.56323	0.97232	0.37233	0.24855	0.027503299	12.1101	15.33151	10.74383	8.57938	1.816815414	Residential	5.01E-08	0	1.3E-03
offsite	592714.99	4139264.85	0.52801	1.01927	0.36906	0.23439	0.026658182	11.38142	16.39456	10.99564	8.54852	1.819703876	Residential	4.85E-08	0	1.2E-03
path	592814.99	4140264.85	0.88755	0.57124	0.32109	0.43759	0.038197897	21.14733	8.45275	9.81234	10.28401	2.097871964	Parks/Paths	6.96E-08	0	1.8E-03
offsite	592814.99	4140164.85	0.84505	0.59525	0.32881	0.41045	0.036502744	18.27005	8.92335	9.83193	9.80122	1.980994319	Residential	6.65E-08	0	1.7E-03
offsite	592814.99	4140064.85	0.80281	0.62191	0.3358	0.38509	0.034922987	15.69374	9.23945	9.83511	9.41217	1.879737068	Residential	6.36E-08	0	1.6E-03
offsite	592814.99	4139964.85	0.76145	0.64923	0.34184	0.36139	0.033442631	15.00796	9.80441	9.83569	9.12059	1.83732841	Residential	6.09E-08	0	1.5E-03
offsite	592814.99	4139864.85	0.72154	0.67767	0.34674	0.33942	0.032070787	14.06177	10.61165	10.15238	8.9704	1.816858474	Residential	5.84E-08	0	1.5E-03
offsite	592814.99	4139764.85	0.68323	0.70735	0.35057	0.31913	0.03080688	12.82668	11.27297	10.36315	8.86699	1.791476401	Residential	5.61E-08	0	1.4E-03
offsite	592814.99	4139664.85	0.64636	0.73817	0.35314	0.30021	0.029629249	12.78677	11.88746	10.46213	8.78555	1.792752134	Residential	5.40E-08	0	1.4E-03
offsite	592814.99	4139564.85	0.611	0.76999	0.35455	0.28273	0.028542604	13.37689	12.52179	10.50769	8.74782	1.813039004	Residential	5.20E-08	0	1.3E-03
offsite	592814.99	4139464.85	0.577	0.80237	0.35474	0.26651	0.027532227	13.71232	13.21958	10.52656	8.69878	1.826856857	Residential	5.01E-08	0	1.3E-03
offsite	592814.99	4139364.85	0.54429	0.83473	0.35369	0.2515	0.026591183	12.6005	14.00079	10.5793	8.64979	1.810471963	Residential	4.84E-08	0	1.2E-03
offsite	592814.99	4139264.85	0.51277	0.86569	0.35141	0.2375	0.025699183	11.04166	14.85851	10.7558	8.59785	1.787255079	Residential	4.68E-08	0	1.2E-03
Phase4	590514.99	4140764.85	1.83489	0.80896	22.42546	0.47592	0.244761315	15.98804	11.71891	205.5199	18.09394	6.458583597	Daycare	4.46E-07	0	1.1E-02
Phase4	590514.99	4140664.85	2.08319	0.73977	22.14638	0.37133	0.237487265	17.89171	10.65554	202.82676	16.59699	6.245067614	Daycare	4.32E-07	0	1.1E-02
Phase4	590614.99	4140764.85	1.94395	0.93339	7.54545	0.54416	0.118174791	16.68015	13.17647	78.18854	17.18033	4.154261909	Daycare	2.15E-07	0	5.5E-03
Phase4	590614.99	4140664.85	2.21407	0.84877	7.51833	0.42613	0.112412127	19.14132	11.96184	74.81894	15.77723	3.950600373	Daycare	2.05E-07	0	5.2E-03
Phase4	590614.99	4140564.85	2.59498	0.77319	7.49784	0.34615	0.109788297	22.14042	10.94495	70.57176	14.61578	3.777731955	Daycare	2.00E-07	0	5.1E-03

Roadway HRA
Near Term No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Million (Residential 30-yr; school and pa: Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
Phase5	590714.99	4141164.85	1.3543	1.6145	4.15477	1.82492	0.163254105	12.44548	20.14748	51.23592	25.67119	4.788828492	Daycare	2.97E-07	0	7.5E-03
Phase5	590714.99	4141064.85	1.48721	1.48843	4.5022	1.33525	0.137706224	13.69539	18.42721	48.92894	22.25627	4.312339487	Daycare	2.51E-07	0	6.4E-03
Phase5	590714.99	4140964.85	1.66366	1.36885	4.60607	1.02961	0.121186635	14.75822	17.06007	47.86581	19.72526	3.971932032	Daycare	2.21E-07	0	5.6E-03
Phase4	590714.99	4140764.85	2.07127	1.09945	4.64681	0.60206	0.09770712	17.37898	14.76111	47.40557	16.04638	3.514656526	Daycare	1.78E-07	0	4.5E-03
Phase4	590714.99	4140664.85	2.35835	0.9798	4.64015	0.47624	0.091587251	19.72534	13.60043	47.04311	14.66761	3.36511995	Daycare	1.67E-07	0	4.2E-03
Phase4	590714.99	4140564.85	2.78541	0.89571	4.63029	0.38722	0.088803936	22.84121	12.26124	46.89527	13.51281	3.261816058	Daycare	1.62E-07	0	4.1E-03
Phase5	590814.99	4141164.85	1.3999	1.92632	2.7014	1.62676	0.140780326	12.85548	25.13824	37.54962	23.79575	4.407655881	Daycare	2.56E-07	0	6.5E-03
Phase5	590814.99	4141064.85	1.5367	1.69813	2.87353	1.28096	0.121598309	13.60057	21.77067	37.60295	20.55969	3.955063252	Daycare	2.21E-07	0	5.6E-03
Phase5	590814.99	4140964.85	1.70968	1.60771	3.20658	1.03161	0.110572183	15.38072	19.74831	37.20984	18.55765	3.698080397	Daycare	2.01E-07	0	5.1E-03
Phase3	590814.99	4140864.85	1.96506	1.50141	3.30684	0.81632	0.099980573	16.64978	18.12791	37.19053	16.02427	3.375802317	Daycare	1.82E-07	0	4.6E-03
Phase3	590814.99	4140764.85	2.21993	1.32907	3.33762	0.64644	0.091067142	18.34496	16.71774	37.15565	14.47754	3.191771722	Daycare	1.66E-07	0	4.2E-03
Phase3	590814.99	4140664.85	2.55917	1.18538	3.3552	0.52458	0.085628579	20.76181	15.43814	37.12894	13.2361	3.065043876	Daycare	1.56E-07	0	4.0E-03
Phase2	590814.99	4140564.85	3.02814	1.05937	3.35009	0.42669	0.082422633	24.27999	14.12748	37.07041	12.24434	2.993483891	Daycare	1.50E-07	0	3.8E-03
Phase2	590814.99	4140464.85	3.75366	0.94967	3.33449	0.35525	0.08259581	29.23776	12.6328	36.96336	11.45695	2.975902115	Daycare	1.50E-07	0	3.8E-03
Phase5	590914.99	4141164.85	1.486	2.84663	2.096	1.58742	0.138956789	13.38249	35.41605	31.56817	22.66339	4.351109324	Daycare	2.53E-07	0	6.4E-03
Phase5	590914.99	4141064.85	1.63714	2.37214	2.26027	1.2807	0.120702458	14.48101	28.50786	31.04484	19.59651	3.855690449	Daycare	2.20E-07	0	5.6E-03
Phase5	590914.99	4140964.85	1.86591	2.28264	2.46306	1.04969	0.11000185	15.98948	24.26218	31.27964	17.90061	3.603536665	Daycare	2.00E-07	0	5.1E-03
Phase3	590914.99	4140864.85	2.0979	1.92887	2.5249	0.83673	0.097626651	17.59456	21.5156	31.23722	16.02166	3.351724045	Daycare	1.78E-07	0	4.5E-03
Phase3	590914.99	4140764.85	2.37685	1.61428	2.58931	0.67059	0.088590306	19.45907	19.42827	31.1861	13.28353	3.007965311	Daycare	1.61E-07	0	4.1E-03
Phase3	590914.99	4140664.85	2.77484	1.42354	2.59696	0.55321	0.08347566	22.11176	17.74533	31.12625	12.07	2.882386133	Daycare	1.52E-07	0	3.9E-03
Phase2	590914.99	4140564.85	3.34733	1.28379	2.59992	0.46033	0.081292639	26.57115	16.25325	30.85599	11.3379	2.857905	Daycare	1.48E-07	0	3.8E-03
Phase2	590914.99	4140464.85	4.21834	1.14023	2.60062	0.39017	0.082524863	32.7294	14.74607	29.76773	10.73799	2.873504398	Daycare	1.50E-07	0	3.8E-03
Phase2	590914.99	4140364.85	5.87858	1.0136	2.58175	0.33201	0.089987457	49.41769	13.07223	28.58951	10.28217	3.137667609	Daycare	1.64E-07	0	4.2E-03
Phase6	591014.99	4141664.85	1.01135	5.07056	0.85364	9.4478	0.600456706	10.78157	43.03709	27.97369	96.53462	13.74762176	Daycare	1.09E-06	1	2.8E-02
Phase6	591014.99	4141564.85	1.10323	7.3132	1.00309	4.89244	0.346813173	11.32625	72.50584	27.82185	54.03114	8.874813703	Daycare	6.32E-07	1	1.6E-02
Phase6	591014.99	4141464.85	1.20686	7.41659	1.10398	3.14424	0.246018167	11.92187	73.8905	27.50771	37.15429	6.763036079	Daycare	4.48E-07	0	1.1E-02
Phase6	591014.99	4141364.85	1.31666	14.54996	1.36928	2.45266	0.249154156	12.59825	100.30316	27.31351	28.66484	6.159575407	Daycare	4.54E-07	0	1.2E-02
Phase5	591014.99	4141064.85	1.73648	3.76768	1.78419	1.25377	0.123567258	15.43895	45.17725	27.10948	18.64818	3.980054909	Daycare	2.25E-07	0	5.7E-03
Phase3	591014.99	4140964.85	1.98543	3.3885	1.9351	1.03909	0.111856567	16.943	32.64711	27.22629	17.12151	3.601929212	Daycare	2.04E-07	0	5.2E-03
Phase3	591014.99	4140864.85	2.24221	2.626	2.01353	0.8445	0.098551866	18.72808	27.25097	27.17494	15.69225	3.36462492	Daycare	1.79E-07	0	4.6E-03
Phase3	591014.99	4140764.85	2.56984	2.13708	2.06131	0.69194	0.089517562	21.01178	23.63315	26.96686	14.03233	3.137583281	Daycare	1.63E-07	0	4.1E-03
Phase2	591014.99	4140664.85	3.04679	1.81221	2.0983	0.57453	0.084455574	24.15249	21.0374	26.39814	11.58627	2.841398284	Daycare	1.54E-07	0	3.9E-03
Phase2	591014.99	4140564.85	3.74436	1.55544	2.11399	0.47975	0.08249258	29.49956	18.98902	24.88681	10.97437	2.820490771	Daycare	1.50E-07	0	3.8E-03
Phase2	591014.99	4140464.85	4.92267	1.35068	2.1081	0.40691	0.085339277	39.30155	17.23323	24.89168	10.49118	2.946928624	Daycare	1.55E-07	0	3.9E-03
Phase1	591014.99	4140364.85	7.39847	1.23196	2.09807	0.35797	0.099255924	62.16999	15.51997	24.91237	10.09034	3.376155688	Daycare	1.81E-07	0	4.6E-03
Phase6	591114.99	4141764.85	0.93925	2.45917	0.6414	19.50135	1.175569777	10.59361	23.65325	25.09574	188.14796	24.99057915	Daycare	2.14E-06	2	5.4E-02
Phase6	591114.99	4141664.85	1.02935	3.01131	0.72849	6.44771	0.410921337	11.11214	29.2965	24.73194	67.83487	9.811544934	Daycare	7.48E-07	1	1.9E-02
Phase6	591114.99	4141564.85	1.14506	3.50185	0.80667	3.95216	0.268183033	11.75089	34.04327	24.36268	44.71552	6.965757239	Daycare	4.88E-07	0	1.2E-02
Phase6	591114.99	4141464.85	1.23636	3.64756	0.87008	2.62913	0.192263712	12.42106	46.87115	24.26385	32.63054	5.66882334	Daycare	3.50E-07	0	8.9E-03
Phase6	591114.99	4141364.85	1.36133	4.22472	1.01294	2.10884	0.167056857	13.20933	42.67178	24.24504	25.95926	4.764969858	Daycare	3.04E-07	0	7.7E-03
Phase6	591114.99	4141264.85	1.50922	7.77738	1.2381	1.79779	0.172072925	14.1777	59.22967	24.36519	22.93458	4.694857444	Daycare	3.13E-07	0	8.0E-03
Phase6	591114.99	4141164.85	1.67404	18.78047	1.36563	1.47621	0.218288058	15.28214	123.4496	24.33755	20.42294	5.526326933	Daycare	3.97E-07	0	1.0E-02
Phase3	591114.99	4140964.85	2.11418	6.83178	1.5636	1.0163	0.127801625	18.25341	62.29146	24.17984	16.39636	4.005637991	Daycare	2.33E-07	0	5.9E-03
Phase3	591114.99	4140864.85	2.43378	4.36393	1.63267	0.8523	0.106919101	20.35117	41.48002	23.83373	15.17967	3.526771001	Daycare	1.95E-07	0	4.9E-03
Phase2	591114.99	4140764.85	2.84587	3.18207	1.68264	0.71358	0.095360171	23.16064	31.79909	22.82948	14.00961	3.253394704	Daycare	1.74E-07	0	4.4E-03
Phase2	591114.99	4140664.85	3.41815	2.48703	1.72387	0.60065	0.089161391	27.14796	26.48104	22.04203	12.46722	3.039299087	Daycare	1.62E-07	0	4.1E-03
Phase2	591114.99	4140564.85	4.33128	2.05703	1.75025	0.50732	0.087918612	33.78417	23.07512	22.13263	10.87849	2.927281919	Daycare	1.60E-07	0	4.1E-03
Phase2	591114.99	4140464.85	6.05135	1.79906	1.75078	0.44193	0.094801545	48.98895	20.55421	22.21257	10.41603	3.164698246	Daycare	1.73E-07	0	4.4E-03
Phase1	591114.99	4140364.85	10.60583	1.54732	1.7516	0.38113	0.12210562	85.34162	18.43754	22.21679	10.02159	3.887993899	Daycare	2.22E-07	0	5.6E-03
Phase6	591214.99	4141764.85	0.94665	1.83769	0.56735	11.89844	0.723395518	11.22828	17.88289	22.1797	130.30826	17.50517033	Daycare	1.32E-06	1	3.3E-02
Phase6	591214.99	4141664.85	1.04976	2.15145	0.63562	5.24155	0.334253432	11.83171	20.94164	22.18646	62.82442	9.000012007	Daycare	6.09E-07	1	1.5E-02
Phase6	591214.99	4141564.85	1.17262	2.31311	0.66197	3.29942	0.221838319	12.49707	25.48346	22.11748	38.25499	5.972278378	Daycare	4.04E-07	0	1.0E-02
Phase6	591214.99	4141464.85	1.28403	2.54196	0.73228	2.40911	0.172096956	13.23165	29.24021	22.08306	29.32321	4.919352269	Daycare	3.13E-07	0	8.0E-03
Phase6	591214.99	4141364.85	1.43182	2.95685	0.84446	1.98874	0.151740601	14.10728	35.14656	22.07406	24.10944	4.380012193	Daycare	2.76E-07	0	7.0E-03
Phase6	591214.99	4141164.85	1.78845	5.16182	1.09896	1.42123	0.135686142	16.38887	42.49027	22.02654	19.35872	3.955373491	Daycare	2.47E-07	0	6.3E-03
Phase7	591214.99	4141064.85	1.99903	8.32525	1.21237	1.18129	0.142121576	17.90114	63.65327	21.81821	17.54024	4.125628899	Daycare	2.59E-07	0	6.6E-03
Phase7	591214.99	4140964.85	2.26451	27.35204	1.29265	1.00573	0.243077434	19.75908	169.85452	21.22879	15.74904	5.791906557	Daycare	4.43E-07	0	1.1E-02
Phase2	591214.99	4140764.85	3.14902	6.19548	1.40594	0.72466	0.112924214	26.47262	55.58062	20.01095	13.69821	3.655444688	Daycare	2.06E-07	0	5.2E-03
Phase2	591214.99	4140664.85	3.8865	4.06175	1.44658	0.61774	0.100026996	32.11826	39.53579	19.95495	12.66123	3.367185745	Daycare	1.82E-07	0	4.6E-03
Phase2	591214.99	4140564.85	5.15068	2.98274	1.47605	0.52839	0.097829218	41.28389	31.44642	19.74249	11.20275	3.240654453	Daycare	1.78E-07	0	4.5E-03
Phase1	591214.99	4140464.85	7.92341	2.47062	1.48368	0.46209	0.110739034	64.68833	26.1711	20.05467	10.37289	3.569960148	Daycare	2.02E-07	0	5.1E-03
Phase1	591214.99	4140364.85	23.17206	2.03861	1.48816	0.40133	0.212932066	185.01596	22.50868	20.13971	10.00677	6.143307557	Daycare	3.88E-07	0	9.8E-03
Phase6	591314.99	4141664.85	1.06621	1.66404	0.56196	4.76343	0.302757267	12.54664	17.71035	20.47689	58.27145	8.35098793	Daycare	5.51E-07	1	1.4E-02
Phase6	591314.99	4141564.85	1.20761	1.8151	0.59776	3.18046	0.211661359	13.28221	20.34939	20.44583	35.08144	5.467335588	Daycare	3.85E-07	0	9.8E-03
Phase6	591314.99	4141464.85	1.3533	1.9889	0.64211	2.33442	0.164226985	14.09663	21.68717	20.40892	26.7603	4.451287245	Daycare	2.99E-07	0	7.6E-03
Phase6	591314.99	4141364.85	1.50468	2.21293	0.71658	1.87894	0.14040198	15.06395	25.47559	20.33533	22.55905	4.004332229	Daycare	2.56E-07	0	6.5E-03
Phase6	591314.99	4141264.85	1.69667	2.59916	0.81404	1.60556	0.128726566	16.23151	28.18914	20.21859	20.25624	3.78338953	Daycare	2.34E-07	0	6.0E-03
Phase7	591314.99	4141164.85	1.89602	3.09844	0.90343	1.36353	0.119524991	17.62564	28.46636	19.84368	18.40578	3.577707642	Daycare	2.18E-07	0	5.5E-03
Phase7	591314.99	4141064.85	2.146	3.95471	0.99183	1.171	0.115630361	19.61183	34.45392	18.97907	16.8642	3.516044485	Daycare	2.11E-07	0	5.3E-03
Phase7	591314.99	4140964.85	2.45173	5.59429	1.08313	0.99422	0.117560411	22.1268	44.58863	18.4015	15.22083	3.531003809	Daycare	2.14E-07	0	5.4E-03
Phase7	591314.99	4140864.85	2.88507	9.7966	1.14385	0.84673	0.136491974	25.39815	69.4697	18.39688	14.16049	3.905561187	Daycare	2.49E-07	0	6.3E-03
Phase2	591314.99	4140564.85	6.40934	5.70871	1.2567	0.54948	0.121630153	53.9204	50.12857	17.37126	11.56052	3.853981618	Daycare	2.21E-07	0	5.6E-03
Phase1	591314.99	4140464.85	11.95194	3.88336	1.27398	0.47854	0.146503943	101.98174	37.60079	18.05018	10.34112	4.56272609	Daycare	2.67E-07	0	6.8E-03
Phase6	591414.99	4141464.85	1.40818	1.65085	0.60045	2.29591	0.160045931	14.95597	18.7263	19.00331	25.25729	4.202979456	Daycare	2.91E-07	0	7.4E-03
Phase6	591414.99	4141364.85	1.5985	1.76918	0.62632	1.82254	0.134407707	16.02498	17.96279	18.73942	21.29515	3.705495396	Daycare	2.45E-07	0	6.2E-03
Phase6	591414.99	4141264.85	1.80232	1.98047	0.69434	1.5317	0.120526548	17.43349	22.27048	18.17783	19.21126	3.537905645	Daycare	2.19E-07	0	5.6E-03
Phase8	591414.99	4141164.85	2.00741	2.22262	0.76248	1.29964	0.110295522	19.16455	23.63063	17.29927	17.55935	3.375133148	Daycare	2.01E-07	0	5.1E-03
Phase7	591414.99	4141064.85	2.28787	2.62617	0.83696	1.12853	0.105169325	21.32154	24.46958	17.0848	16.2153	3.263448476	Daycare	1.92E-07	0	4.9E-03
Phase7	591414.99	4140964.85	2.6704	3.32124	0.91155	0.98353	0.103972492	24.13423	28.9075	17.08878	14.90545	3.237674872	Daycare	1.89E-07	0	4.8E-03
Phase6	591514.99	4141364.85	1.65362	1.51507	0.58757	1.75846	0.129226987	17.11532	16.51461	16.72397	20.43508	3.55986424	Daycare	2.35E-07	0	6.0E-03

Roadway HRA
Near Term No Project

			AERMOD Output											· Million (Residential 30-yr; school and pa		
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
Phase8	591514.99	4141264.85	1.92628	1.60479	0.60809	1.49117	0.116105818	18.6905	16.1404	16.13712	18.32215	3.309741246	Daycare	2.11E-07	0	5.4E-03
Phase8	591514.99	4141164.85	2.17632	1.75849	0.65896	1.26282	0.105753725	20.57274	19.66095	16.03111	16.83581	3.22278896	Daycare	1.93E-07	0	4.9E-03
Phase8	591514.99	4141064.85	2.48738	1.99927	0.72001	1.09994	0.100280466	23.00342	20.64995	16.02068	15.63305	3.141357883	Daycare	1.83E-07	0	4.6E-03
Phase8	591514.99	4140964.85	2.93086	2.36148	0.78188	0.96874	0.098314692	26.29713	21.21262	15.95522	14.5292	3.083290705	Daycare	1.79E-07	0	4.5E-03
Phase8	591614.99	4141164.85	2.41135	1.47015	0.58384	1.24365	0.103977612	21.98653	15.24073	15.17111	16.20898	3.082098228	Daycare	1.89E-07	0	4.8E-03
Phase8	591614.99	4141064.85	2.77018	1.61525	0.62915	1.07891	0.098047347	24.70469	17.66254	15.1018	15.10704	3.043983125	Daycare	1.79E-07	0	4.5E-03
Phase8	591614.99	4140964.85	3.22185	1.88896	0.70156	0.94126	0.095347551	29.86837	18.57728	14.84798	14.1547	3.049728839	Daycare	1.74E-07	0	4.4E-03
Phase8	591714.99	4141064.85	3.19908	1.38521	0.58128	1.06006	0.098240746	28.62522	14.43697	14.1667	14.63881	2.998963447	Daycare	1.79E-07	0	4.5E-03

Roadway HRA
Cumulative No Project

City Place Roadway HRA - DPM

Truck g/s	Annual Average DPM (g/s) - Scaling Factor
Tasman	0.000187
Lafayette	0.000114
Great Am	0.000163
SR237	0.000889

Annual DPM (g/s) - Scaling Factor	
0.01047	98%
0.00970	99%
0.00756	98%
0.03151	97%

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								CHRONIC HAZARD QUOTIENT
			Tasman	Lafayette	Great Am	SR237			3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	
offsite	589514.99	4139264.85	0.05088	0.05261	0.06785	0.02777	5.12069E-05	Residential	1.77E-08	5.35E-08	3.10E-08	2.81E-08	1.28E-08	1.14E-08	7.0E-10	1.7E-08	0.0E+00	1.9E-08	0.0E+00	9.7E-09	4.58E-08	0	1.02E-05
offsite	589614.99	4139264.85	0.05251	0.05453	0.07232	0.02872	5.33014E-05	Residential	1.85E-08	5.57E-08	3.23E-08	2.92E-08	1.33E-08	1.19E-08	7.2E-10	1.8E-08	0.0E+00	1.9E-08	0.0E+00	1.0E-08	4.76E-08	0	1.07E-05
offsite	591314.99	4139264.85	0.2687	0.20607	0.38608	0.06837	0.000197175	Residential	6.83E-08	2.06E-07	1.19E-07	1.08E-07	4.93E-08	4.41E-08	2.7E-09	6.5E-08	0.0E+00	7.1E-08	0.0E+00	3.7E-08	1.76E-07	0	3.94E-05
offsite	591414.99	4139264.85	0.27804	0.24712	0.36442	0.07198	0.000203272	Residential	7.04E-08	2.12E-07	1.23E-07	1.11E-07	5.09E-08	4.54E-08	2.8E-09	6.7E-08	0.0E+00	7.4E-08	0.0E+00	3.9E-08	1.82E-07	0	4.07E-05
offsite	591514.99	4139264.85	0.28462	0.30485	0.34343	0.07557	0.000210843	Residential	7.30E-08	2.20E-07	1.28E-07	1.16E-07	5.28E-08	4.71E-08	2.9E-09	6.9E-08	0.0E+00	7.6E-08	0.0E+00	4.0E-08	1.88E-07	0	4.22E-05
offsite	591614.99	4139264.85	0.28878	0.38998	0.32349	0.07909	0.000221188	Residential	7.66E-08	2.31E-07	1.34E-07	1.21E-07	5.54E-08	4.94E-08	3.0E-09	7.3E-08	0.0E+00	8.0E-08	0.0E+00	4.2E-08	1.98E-07	0	4.42E-05
offsite	591714.99	4139264.85	0.29081	0.52306	0.30474	0.08259	0.000236766	Residential	8.20E-08	2.47E-07	1.43E-07	1.30E-07	5.93E-08	5.29E-08	3.2E-09	7.8E-08	0.0E+00	8.6E-08	0.0E+00	4.5E-08	2.12E-07	0	4.74E-05
offsite	591814.99	4139264.85	0.29112	0.75006	0.28726	0.08602	0.00026285	Residential	9.10E-08	2.75E-07	1.59E-07	1.44E-07	6.58E-08	5.87E-08	3.6E-09	8.6E-08	0.0E+00	9.5E-08	0.0E+00	5.0E-08	2.35E-07	0	5.26E-05
offsite	591914.99	4139264.85	0.29007	1.19573	0.27098	0.08937	0.000313679	Residential	1.09E-07	3.28E-07	1.90E-07	1.72E-07	7.85E-08	7.01E-08	4.3E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.80E-07	0	6.27E-05
offsite	592014.99	4139264.85	0.2879	2.39111	0.25587	0.09256	0.000449626	Residential	1.56E-07	4.70E-07	2.72E-07	2.47E-07	1.13E-07	1.00E-07	6.1E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.5E-08	4.02E-07	0	8.99E-05
offsite	592214.99	4139264.85	0.28099	4.09509	0.22881	0.09839	0.000642945	Residential	2.23E-07	6.72E-07	3.89E-07	3.53E-07	1.61E-07	1.44E-07	8.7E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.75E-07	1	1.29E-04
offsite	592314.99	4139264.85	0.27645	1.88998	0.21675	0.10098	0.000391608	Residential	1.36E-07	4.09E-07	2.37E-07	2.15E-07	9.80E-08	8.75E-08	5.3E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.4E-08	3.50E-07	0	7.83E-05
offsite	592414.99	4139264.85	0.2713	1.20418	0.20553	0.1034	0.000312964	Residential	1.08E-07	3.27E-07	1.89E-07	1.72E-07	7.83E-08	6.99E-08	4.3E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.80E-07	0	6.26E-05
offsite	592514.99	4139264.85	0.2656	0.87457	0.19506	0.10569	0.00027474	Residential	9.51E-08	2.87E-07	1.66E-07	1.51E-07	6.88E-08	6.14E-08	3.7E-09	9.0E-08	0.0E+00	9.9E-08	0.0E+00	5.2E-08	2.46E-07	0	5.49E-05
offsite	592614.99	4139264.85	0.25938	0.68363	0.18535	0.10776	0.000252121	Residential	8.73E-08	2.64E-07	1.53E-07	1.38E-07	6.31E-08	5.63E-08	3.4E-09	8.3E-08	0.0E+00	9.1E-08	0.0E+00	4.8E-08	2.25E-07	0	5.04E-05
offsite	592714.99	4139264.85	0.2527	0.5596	0.17633	0.10956	0.000236899	Residential	8.20E-08	2.48E-07	1.43E-07	1.30E-07	5.93E-08	5.29E-08	3.2E-09	7.8E-08	0.0E+00	8.6E-08	0.0E+00	4.5E-08	2.12E-07	0	4.74E-05
offsite	592814.99	4139264.85	0.24562	0.47236	0.1679	0.11113	0.000225679	Residential	7.81E-08	2.36E-07	1.37E-07	1.24E-07	5.65E-08	5.04E-08	3.1E-09	7.4E-08	0.0E+00	8.2E-08	0.0E+00	4.3E-08	2.02E-07	0	4.51E-05
offsite	589514.99	4139364.85	0.05643	0.05669	0.07674	0.02857	5.48641E-05	Residential	1.90E-08	5.73E-08	3.32E-08	3.01E-08	1.37E-08	1.23E-08	7.5E-10	1.8E-08	0.0E+00	2.0E-08	0.0E+00	1.0E-08	4.90E-08	0	1.10E-05
offsite	589614.99	4139364.85	0.05833	0.05891	0.08234	0.0296	5.72981E-05	Residential	1.98E-08	5.99E-08	3.47E-08	3.14E-08	1.43E-08	1.28E-08	7.8E-10	1.9E-08	0.0E+00	2.1E-08	0.0E+00	1.1E-08	5.12E-08	0	1.15E-05
offsite	591314.99	4139364.85	0.31997	0.25192	0.42834	0.07358	0.000223463	Residential	7.74E-08	2.34E-07	1.35E-07	1.23E-07	5.59E-08	4.99E-08	3.0E-09	7.3E-08	0.0E+00	8.1E-08	0.0E+00	4.2E-08	2.00E-07	0	4.47E-05
offsite	591414.99	4139364.85	0.32752	0.30726	0.39787	0.07747	0.000229668	Residential	7.95E-08	2.40E-07	1.39E-07	1.26E-07	5.75E-08	5.13E-08	3.1E-09	7.5E-08	0.0E+00	8.3E-08	0.0E+00	4.4E-08	2.05E-07	0	4.59E-05
offsite	591514.99	4139364.85	0.33166	0.38617	0.37007	0.08134	0.000238334	Residential	8.25E-08	2.49E-07	1.44E-07	1.31E-07	5.96E-08	5.32E-08	3.2E-09	7.8E-08	0.0E+00	8.6E-08	0.0E+00	4.5E-08	2.13E-07	0	4.77E-05
offsite	591614.99	4139364.85	0.33292	0.50452	0.34488	0.0851	0.000251275	Residential	8.70E-08	2.63E-07	1.52E-07	1.38E-07	6.29E-08	5.61E-08	3.4E-09	8.3E-08	0.0E+00	9.1E-08	0.0E+00	4.8E-08	2.25E-07	0	5.03E-05
offsite	591714.99	4139364.85	0.33191	0.69354	0.322	0.0888	0.000272155	Residential	9.42E-08	2.84E-07	1.65E-07	1.49E-07	6.81E-08	6.08E-08	3.7E-09	8.9E-08	0.0E+00	9.9E-08	0.0E+00	5.2E-08	2.43E-07	0	5.44E-05
offsite	591814.99	4139364.85	0.32913	1.02971	0.30126	0.09239	0.000309693	Residential	1.07E-07	3.24E-07	1.87E-07	1.70E-07	7.75E-08	6.92E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.77E-07	0	6.19E-05
offsite	591914.99	4139364.85	0.32514	1.7639	0.28236	0.09588	0.00039249	Residential	1.36E-07	4.10E-07	2.37E-07	2.15E-07	9.82E-08	8.77E-08	5.3E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.4E-08	3.51E-07	0	7.85E-05
offsite	592014.99	4139364.85	0.32024	4.79237	0.26509	0.09921	0.000736215	Residential	2.55E-07	7.69E-07	4.45E-07	4.04E-07	1.84E-07	1.64E-07	1.0E-08	2.4E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.58E-07	1	1.47E-04
offsite	592114.99	4139364.85	0.31461	8.53549	0.24931	0.10233	0.00116115	Residential	4.02E-07	1.21E-06	7.03E-07	6.37E-07	2.91E-07	2.59E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.04E-06	1	2.32E-04
offsite	592214.99	4139364.85	0.30837	2.58775	0.23485	0.10521	0.00048364	Residential	1.67E-07	5.06E-07	2.93E-07	2.65E-07	1.21E-07	1.08E-07	6.6E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.2E-08	4.32E-07	0	9.67E-05
offsite	592314.99	4139364.85	0.3016	1.50271	0.22162	0.10782	0.000359122	Residential	1.24E-07	3.75E-07	2.17E-07	1.97E-07	8.99E-08	8.02E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.8E-08	3.21E-07	0	7.18E-05
offsite	592414.99	4139364.85	0.29436	1.04274	0.20942	0.11025	0.000305625	Residential	1.06E-07	3.19E-07	1.85E-07	1.68E-07	7.65E-08	6.83E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.73E-07	0	6.11E-05
offsite	592514.99	4139364.85	0.28666	0.79215	0.19818	0.11247	0.000275829	Residential	9.55E-08	2.88E-07	1.67E-07	1.51E-07	6.90E-08	6.16E-08	3.8E-09	9.1E-08	0.0E+00	1.0E-07	0.0E+00	5.2E-08	2.47E-07	0	5.52E-05
offsite	592614.99	4139364.85	0.27854	0.63556	0.18778	0.11449	0.000256606	Residential	8.88E-08	2.68E-07	1.55E-07	1.41E-07	6.42E-08	5.73E-08	3.5E-09	8.4E-08	0.0E+00	9.3E-08	0.0E+00	4.9E-08	2.29E-07	0	5.13E-05
offsite	592714.99	4139364.85	0.27005	0.52875	0.17815	0.11625	0.000242871	Residential	8.41E-08	2.54E-07	1.47E-07	1.33E-07	6.08E-08	5.43E-08	3.3E-09	8.0E-08	0.0E+00	8.8E-08	0.0E+00	4.6E-08	2.17E-07	0	4.86E-05
offsite	592814.99	4139364.85	0.26122	0.45129	0.16921	0.1178	0.000232336	Residential	8.04E-08	2.43E-07	1.41E-07	1.27E-07	5.81E-08	5.19E-08	3.2E-09	7.6E-08	0.0E+00	8.4E-08	0.0E+00	4.4E-08	2.08E-07	0	4.65E-05
offsite	589514.99	4139464.85	0.06327	0.06126	0.08849	0.02945	5.93543E-05	Residential	2.05E-08	6.20E-08	3.59E-08	3.26E-08	1.49E-08	1.33E-08	8.1E-10	1.9E-08	0.0E+00	2.1E-08	0.0E+00	1.1E-08	5.30E-08	0	1.19E-05
offsite	589614.99	4139464.85	0.06564	0.06384	0.09592	0.03054	6.22679E-05	Residential	2.16E-08	6.51E-08	3.77E-08	3.42E-08	1.56E-08	1.39E-08	8.5E-10	2.0E-08	0.0E+00	2.3E-08	0.0E+00	1.2E-08	5.56E-08	0	1.25E-05
offsite	591314.99	4139464.85	0.38475	0.30664	0.46849	0.07954	0.000253605	Residential	8.78E-08	2.65E-07	1.53E-07	1.39E-07	6.35E-08	5.67E-08	3.4E-09	8.3E-08	0.0E+00	9.2E-08	0.0E+00	4.8E-08	2.27E-07	0	5.07E-05
offsite	591414.99	4139464.85	0.38848	0.37931	0.42904	0.08372	0.000259864	Residential	9.00E-08	2.72E-07	1.57E-07	1.43E-07	6.50E-08	5.81E-08	3.5E-09	8.5E-08	0.0E+00	9.4E-08	0.0E+00	4.9E-08	2.32E-07	0	5.20E-05
offsite	591514.99	4139464.85	0.38825	0.48412	0.39457	0.08784	0.000269798	Residential	9.34E-08	2.82E-07	1.63E-07	1.48E-07	6.75E-08	6.03E-08	3.7E-09	8.9E-08	0.0E+00	9.8E-08	0.0E+00	5.1E-08	2.41E-07	0	5.40E-05
offsite	591614.99	4139464.85	0.385	0.64356	0.36427	0.09186	0.000285972	Residential	9.90E-08	2.99E-07	1.73E-07	1.57E-07	7.16E-08	6.39E-08	3.9E-09	9.4E-08	0.0E+00	1.0E-07	0.0E+00	5.4E-08	2.56E-07	0	5.72E-05
offsite	591714.99	4139464.85	0.3796	0.9065	0.33742	0.09578	0.000313991	Residential	1.09E-07	3.28E-07	1.90E-07	1.72E-07	7.86E-08	7.02E-08	4.3E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	6.0E-08	2.81E-07	0	6.28E-05
offsite	591814.99	4139464.85	0.37271	1.40965	0.31354	0.09958	0.000369432	Residential	1.28E-07	3.86E-07	2.24E-07	2.03E-07	9.25E-08	8.25E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	7.0E-08	3.30E-07	0	7.39E-05
offsite	591914.99	4139464.85	0.36484	2.79447	0.2922	0.10319	0.000525224	Residential	1.82E-07	5.49E-07	3.18E-07	2.88E-07	1.31E-07	1.17E-07	7.1E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.69E-07	0	1.05E-04
offsite	592114.99	4139464.85	0.34764	3.82616	0.25565	0.10977	0.000639273	Residential	2.21E-07	6.68E-07	3.87E-07	3.51E-07	1.60E-07	1.43E-07	8.7E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.71E-07	1	1.28E-04
offsite	592214.99	4139464.85	0.33854	1.91145	0.23984	0.11273	0.000419837	Residential	1.45E-07	4.39E-07	2.54E-07	2.30E-07	1.05E-07	9.38E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.0E-08	3.75E-07	0	8.40E-05
offsite	592314.99	4139464.85	0.32915	1.25168	0.22553	0.11535	0.000343038	Residential	1.19E-07	3.59E-07	2.08E-07	1.88E-07	8.59E-08	7.66E-08	4.7E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.07E-07	0	6.86E-05
offsite	592414.99	4139464.85	0.31945	0.92049	0.21244	0.11777	0.000303577	Residential	1.05E-07	3.17E-07	1.84E-07	1.67E-07	7.60E-08	6.78E-08	4.1E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.71E-07	0	6.07E-05
offsite	592514.99	4139464.85	0.30943	0.72293	0.20043	0.11999	0.000279256	Residential	9.67E-08	2.92E-07	1.69E-07	1.53E-07	6.99E-08	6.24E-08	3.8E-09	9.2E-08	0.0E+00	1.0E-07	0.0E+00	5.3E-08	2.50E-07	0	5.59E-05
offsite	592614.99	4139464.85	0.29909	0.59192	0.1894	0.12196	0.000262381	Residential	9.08E-08	2.74E-07	1.59E-07	1.44E-07	6.57E-08	5.86E-08	3.6E-09	8.6E-08	0.0E+00	9.5E-08	0.0E+00	5.0E-08	2.34E-07	0	5.25E-05
offsite	592714.99	4139464.85	0.28852	0.49921	0.1793	0.12357	0.000249652	Residential	8.64E-08	2.61E-07	1.51E-07	1.37E-07	6.25E-08	5.58E-08	3.4E-09	8.2E-08	0.0E+00	9.0E-08	0.0E+00	4.7E-08	2.23E-07	0	4.99E-05
offsite	592814.99	4139464.85	0.27768	0.43017	0.16995	0.12496	0.000239491	Residential	8.29E-08	2.50E-07	1.45E-07	1.31E-07	5.99E-08	5.35E-08	3.3E-09	7.9E-08	0.0E+00	8.7E-08	0.0E+00	4.5E-08	2.14E-07	0	4.79E-05
offsite	589514.99	4139564.85	0.07174	0.06637	0.10402	0.03044	6.49227E-05	Residential	2.25E-08	6.79E-08	3.93E-08	3.56E-08	1.62E-08	1.45E-08	8.8E-10	2.1E-08	0.0E+00	2.4E-08	0.0E+00	1.2E-08	5.80E-08	0	1.30E-05
offsite	589614.99	4139564.85	0.07492	0.06936	0.1144	0.0316	6.85764E-05	Residential	2.37E-08	7.17E-08	4.15E-08	3.76E-08	1.72E-08	1.53E-08	9.3E-10	2.3E-08	0.0E+00	2.5E-08	0.0E+00	1.3E-08	6.13E-08	0	1.37E-05
offsite	591314.99	4139564.85	0.46686	0.37064	0.5048	0.0863	0.000288121	Residential	9.97E-08	3.01E-07	1.74E-07	1.58E-07	7.21E-08	6.44E-08	3.9E-09	9.5E-08	0.0E+00	1.0E-07	0.0E+00	5.5E-08	2.57E-07	0	5.76E-05
offsite	591414.99	4139564.85	0.4636	0.46362	0.45689	0.09085	0.000294339	Residential	1.02E-07	3.08E-07	1.78E-07	1.61E-07	7.37E-08	6.58E-08	4.0E-09	9.7E-08	0.0E+00	1.1E-07	0.0E+00	5.6E-08	2.63E-07	0	5.89E-05
offsite	591514.99	4139564.85	0.45636	0.59963	0.41622	0.09526	0.000305763	Residential	1.06E-07	3.20E-07	1.85E-07	1.68E-07	7.65E-08	6.83E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.73E-07	0	6.12E-05
offsite	591614.99	4139564.85	0.4464	0.81202	0.38125	0.09953	0.000326171	Residential	1.13E-07	3.41E-07	1.97E-07	1.79E-07	8.16E-08	7.29E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.91E-07	0	6.52E-05
offsite	591714.99	4139564.85	0.43476	1.18349	0.35086	0.10363	0.000364955	Residential	1.26E-07	3.81E-07	2.21E-07	2.00E-07	9.13E-08	8.15E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.9E-08	3.26E-07	0	7.30E-05
offsite	591814.99	4139564.85	0.42238	2.00305	0.32415	0.10758	0.000455036	Residential	1.58E-07	4.76E-07	2.75E-07	2.50E-07	1.14E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.07E-07	0	9.10E-05
offsite	591914.99	4139564.85	0.40971	5.86446	0.30053	0.11134	0.000891407	Residential	3.09E-07	9.32E-07	5.39E-07	4.89E-07	2.23E-07	1.99E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.97E-07	1	1.78E-04
offsite	592014.99	4139564.85	0.39704	7.00855	0.27953	0.11485	0.001018888	Residential	3.53E-07	1.06E-06	6.16E-07	5.59E-07	2.55E-07	2.28E-07	1.4E-08	3.3E-07	0.0E+00	3.7E-07	0.0E+00	1.9E-07	9.11E-07	1	2.04E-04
offsite	592114.99	4139564.85	0.38448	2.51944	0.26072	0.11807	0.000505712	Residential	1.75E-07	5.29E-07	3.06E-07	2.77E-07	1.27E-07	1.13E-07	6.9E-09	1.7E-07	0.0E+00	1.8E-07	0.0E+00	9.6E-08	4.52E-07	0	1.01E-04
offsite	592214.99	4139564.85	0.372	1.52225	0.24378	0.12101	0.000389811	Residential	1.35E-07	4.07E-07	2.36E-07	2.14E-07	9.76E-08	8.71E-08	5.3E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.4E-08	3.48E-07	0	7.80E-05
offsite	592314.99	4139564.85	0.35952	1.07498	0.22847	0.12364	0.000336453	Residential	1.16E-07	3.52E-07	2.04E-07	1.85E-07	8.42E-08	7.52E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.4E-08	3.01E-07	0	6.73E-05
offsite	592414.99	4139564.85	0.34691	0.82411	0.21455	0.12605	0.000305442	Residential	1.06E-07	3.19E-07	1.85E-07	1.68E-07	7.64E-08	6.82E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.73E-07	0	6.11E-05
offsite	592514.99	4139564.85	0.33418	0.66382	0.20191	0.12816	0.000284654	Residential	9.85E-08	2.98E-07	1.72E-07	1.56E-07	7.12E-08	6.36E-08	3.9E-09	9.4E-08	0.0E+00	1.0E-07	0.0E+00	5.4E-08	2.54E-07	0	5.69E-05
offsite	592614.99	4139564.85	0.32129	0.5526	0.19037	0.13	0.000269356	Residential	9.32E-08	2.82E-07	1.63E-07	1.48E-07	6.74E-08	6.02E-08	3.7E-09	8.8E-08	0.0E+00	9.8E-08	0.0E+00	5.1E-08	2.41E-07	0	5.39E-05
offsite	592714.99	4139564.85	0.30824	0.47134	0.1798	0.13152	0.00025731	Residential	8.91E-08	2.69E-07	1.56E-07	1.41E-07	6.44E-08	5.75E-08	3.5E-09	8.5E-08	0.0E+00	9.3E-08	0.0E+00	4.9E-08	2.30E-07	0	5.15E-05
offsite	592814.99	4139564.85	0.29508	0.40952	0.17009	0.13271	0.000247301	Residential	8.56E-08	2.58E-07	1.50E-07	1.36E-07	6.19E-08	5.53E-08	3.4E-09	8.1E-08	0.0E+00	9.0E-08	0.0E+00	4.7E-08	2.21E-07	0	4.95E-05
offsite	589514.99	4139664.85	0.08235	0.07202	0.12445	0.03153	7.1838E-05	Residential	2.49E-08	7.51E-08	4.35E-08	3.94E-08	1.80E-08	1.61E-08	9.8E-10	2.4E-08	0.0E+00	2.6E-08	0.0E+00	1.4E-08	6.42E-08	0	1.44E-05
offsite	589614.99	4139664.85	0.08683	0.07548	0.13936	0.03277	7.65959E-05	Residential	2.65E-08	8.01E-08	4.63E-08	4.20E-08	1.92E-08	1.71E-08	1.0E-09	2.5E-08	0.0E+00	2.8E-08	0.0E+00	1.5E-08	6.85E-08	0	1.53E-05

Roadway HRA
Cumulative No Project

	AERMOD Output								Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	**CHRONIC HAZARD QUOTIENT**
offsite	591214.99	4139664.85	0.58037	0.36139	0.60406	0.08895	0.000326751	Residential	1.13E-07	3.42E-07	1.98E-07	1.79E-07	8.18E-08	7.30E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.92E-07	0	6.54E-05
offsite	591314.99	4139664.85	0.57137	0.44395	0.53614	0.09409	0.000327982	Residential	1.14E-07	3.43E-07	1.98E-07	1.80E-07	8.21E-08	7.33E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.93E-07	0	6.56E-05
offsite	591414.99	4139664.85	0.55629	0.56124	0.48089	0.099	0.000333886	Residential	1.16E-07	3.49E-07	2.02E-07	1.83E-07	8.36E-08	7.46E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.3E-08	2.98E-07	0	6.68E-05
offsite	591514.99	4139664.85	0.53851	0.73625	0.4347	0.10375	0.000347184	Residential	1.20E-07	3.63E-07	2.10E-07	1.90E-07	8.69E-08	7.76E-08	4.7E-09	1.1E-07	0.0E+00	1.3E-07	0.0E+00	6.6E-08	3.10E-07	0	6.94E-05
offsite	591614.99	4139664.85	0.51888	1.02267	0.39565	0.10825	0.00037375	Residential	1.29E-07	3.91E-07	2.26E-07	2.05E-07	9.35E-08	8.35E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.1E-08	3.34E-07	0	7.47E-05
offsite	591714.99	4139664.85	0.49898	1.57465	0.36206	0.11254	0.000431174	Residential	1.49E-07	4.51E-07	2.61E-07	2.36E-07	1.08E-07	9.63E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.2E-08	3.85E-07	0	8.62E-05
offsite	591814.99	4139664.85	0.47949	3.18106	0.33286	0.11662	0.000609144	Residential	2.11E-07	6.37E-07	3.69E-07	3.34E-07	1.52E-07	1.36E-07	8.3E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.44E-07	1	1.22E-04
offsite	592014.99	4139664.85	0.44299	3.56393	0.28467	0.12402	0.000644624	Residential	2.23E-07	6.74E-07	3.90E-07	3.54E-07	1.61E-07	1.44E-07	8.8E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.76E-07	1	1.29E-04
offsite	592114.99	4139664.85	0.42593	1.89014	0.26454	0.12729	0.000450681	Residential	1.56E-07	4.71E-07	2.73E-07	2.47E-07	1.13E-07	1.01E-07	6.1E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.5E-08	4.03E-07	0	9.01E-05
offsite	592214.99	4139664.85	0.40944	1.26725	0.24655	0.1302	0.000376411	Residential	1.30E-07	3.93E-07	2.28E-07	2.06E-07	9.42E-08	8.41E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.1E-08	3.36E-07	0	7.53E-05
offsite	592314.99	4139664.85	0.39329	0.94302	0.23039	0.13278	0.000336182	Residential	1.16E-07	3.51E-07	2.03E-07	1.84E-07	8.41E-08	7.51E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.4E-08	3.00E-07	0	6.72E-05
offsite	592414.99	4139664.85	0.37724	0.74557	0.21578	0.13511	0.000310422	Residential	1.07E-07	3.24E-07	1.88E-07	1.70E-07	7.77E-08	6.94E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.77E-07	0	6.21E-05
offsite	592514.99	4139664.85	0.36133	0.61259	0.20258	0.13709	0.00029194	Residential	1.01E-07	3.05E-07	1.77E-07	1.60E-07	7.31E-08	6.52E-08	4.0E-09	9.6E-08	0.0E+00	1.1E-07	0.0E+00	5.5E-08	2.61E-07	0	5.84E-05
offsite	592614.99	4139664.85	0.34535	0.51692	0.19057	0.13881	0.000277652	Residential	9.61E-08	2.90E-07	1.68E-07	1.52E-07	6.95E-08	6.20E-08	3.8E-09	9.1E-08	0.0E+00	1.0E-07	0.0E+00	5.3E-08	2.48E-07	0	5.55E-05
offsite	592714.99	4139664.85	0.32938	0.44514	0.17962	0.14017	0.000265935	Residential	9.21E-08	2.78E-07	1.61E-07	1.46E-07	6.66E-08	5.94E-08	3.6E-09	8.7E-08	0.0E+00	9.6E-08	0.0E+00	5.0E-08	2.38E-07	0	5.32E-05
offsite	592814.99	4139664.85	0.31351	0.38961	0.16963	0.14107	0.000255833	Residential	8.86E-08	2.67E-07	1.55E-07	1.40E-07	6.40E-08	5.72E-08	3.5E-09	8.4E-08	0.0E+00	9.3E-08	0.0E+00	4.9E-08	2.29E-07	0	5.12E-05
offsite	589514.99	4139764.85	0.09582	0.07825	0.15053	0.03278	8.04144E-05	Residential	2.78E-08	8.40E-08	4.87E-08	4.41E-08	2.01E-08	1.80E-08	1.1E-09	2.6E-08	0.0E+00	2.9E-08	0.0E+00	1.5E-08	7.19E-08	0	1.61E-05
offsite	589614.99	4139764.85	0.10237	0.08224	0.17185	0.03411	8.67417E-05	Residential	3.00E-08	9.07E-08	5.25E-08	4.76E-08	2.17E-08	1.94E-08	1.2E-09	2.8E-08	0.0E+00	3.1E-08	0.0E+00	1.6E-08	7.75E-08	0	1.73E-05
offsite	591414.99	4139764.85	0.67207	0.67468	0.50088	0.1084	0.000379999	Residential	1.32E-07	3.97E-07	2.30E-07	2.08E-07	9.51E-08	8.49E-08	5.2E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.40E-07	0	7.60E-05
offsite	591514.99	4139764.85	0.63817	0.90226	0.45	0.11346	0.000395783	Residential	1.37E-07	4.14E-07	2.39E-07	2.17E-07	9.91E-08	8.84E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.5E-08	3.54E-07	0	7.92E-05
offsite	591614.99	4139764.85	0.6052	1.30349	0.40746	0.11818	0.000432547	Residential	1.50E-07	4.52E-07	2.62E-07	2.37E-07	1.08E-07	9.66E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.2E-08	3.87E-07	0	8.65E-05
offsite	591714.99	4139764.85	0.57439	2.2152	0.37103	0.12266	0.000528562	Residential	1.83E-07	5.52E-07	3.20E-07	2.90E-07	1.32E-07	1.18E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.72E-07	0	1.06E-04
offsite	591814.99	4139764.85	0.54589	7.38882	0.33968	0.12683	0.00111035	Residential	3.84E-07	1.16E-06	6.72E-07	6.09E-07	2.78E-07	2.48E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.92E-07	1	2.22E-04
offsite	591914.99	4139764.85	0.51974	5.9888	0.3123	0.13075	0.00094525	Residential	3.27E-07	9.88E-07	5.72E-07	5.18E-07	2.37E-07	2.11E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.45E-07	1	1.89E-04
offsite	592014.99	4139764.85	0.49566	2.42979	0.28829	0.13435	0.000535215	Residential	1.85E-07	5.59E-07	3.24E-07	2.94E-07	1.34E-07	1.20E-07	7.3E-09	1.8E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.78E-07	0	1.07E-04
offsite	592114.99	4139764.85	0.47322	1.51524	0.26706	0.13756	0.000426399	Residential	1.48E-07	4.46E-07	2.58E-07	2.34E-07	1.07E-07	9.53E-08	5.8E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.1E-08	3.81E-07	0	8.53E-05
offsite	592214.99	4139764.85	0.45193	1.08677	0.24817	0.14039	0.000373132	Residential	1.29E-07	3.90E-07	2.26E-07	2.05E-07	9.34E-08	8.34E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.1E-08	3.33E-07	0	7.46E-05
offsite	592314.99	4139764.85	0.43135	0.83996	0.23128	0.14287	0.000340675	Residential	1.18E-07	3.56E-07	2.06E-07	1.87E-07	8.53E-08	7.61E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.04E-07	0	6.81E-05
offsite	592414.99	4139764.85	0.41119	0.67992	0.2161	0.14504	0.000318169	Residential	1.10E-07	3.33E-07	1.93E-07	1.75E-07	7.96E-08	7.11E-08	4.3E-09	1.0E-07	0.0E+00	1.2E-07	0.0E+00	6.0E-08	2.84E-07	0	6.36E-05
offsite	592514.99	4139764.85	0.39133	0.56762	0.2024	0.14686	0.000301079	Residential	1.04E-07	3.15E-07	1.82E-07	1.65E-07	7.54E-08	6.73E-08	4.1E-09	9.9E-08	0.0E+00	1.1E-07	0.0E+00	5.7E-08	2.69E-07	0	6.02E-05
offsite	592614.99	4139764.85	0.37163	0.48444	0.19003	0.14838	0.000287281	Residential	9.94E-08	3.00E-07	1.74E-07	1.58E-07	7.19E-08	6.42E-08	3.9E-09	9.4E-08	0.0E+00	1.0E-07	0.0E+00	5.4E-08	2.57E-07	0	5.75E-05
offsite	592714.99	4139764.85	0.35216	0.42068	0.17881	0.14948	0.000275548	Residential	9.54E-08	2.88E-07	1.67E-07	1.51E-07	6.90E-08	6.16E-08	3.7E-09	9.1E-08	0.0E+00	1.0E-07	0.0E+00	5.2E-08	2.46E-07	0	5.51E-05
offsite	592814.99	4139764.85	0.33299	0.37051	0.16858	0.15014	0.000265188	Residential	9.18E-08	2.77E-07	1.60E-07	1.45E-07	6.64E-08	5.92E-08	3.6E-09	8.7E-08	0.0E+00	9.6E-08	0.0E+00	5.0E-08	2.37E-07	0	5.30E-05
offsite	589514.99	4139864.85	0.11317	0.08502	0.18257	0.03417	9.08702E-05	Residential	3.15E-08	9.50E-08	5.50E-08	4.98E-08	2.27E-08	2.03E-08	1.2E-09	3.0E-08	0.0E+00	3.3E-08	0.0E+00	1.7E-08	8.12E-08	0	1.82E-05
offsite	589614.99	4139864.85	0.12303	0.08959	0.21227	0.0356	9.93334E-05	Residential	3.44E-08	1.04E-07	6.01E-08	5.45E-08	2.49E-08	2.22E-08	1.4E-09	3.3E-08	0.0E+00	3.6E-08	0.0E+00	1.9E-08	8.88E-08	0	1.99E-05
offsite	591514.99	4139864.85	0.76151	1.11472	0.46227	0.12462	0.000454878	Residential	1.57E-07	4.75E-07	2.75E-07	2.49E-07	1.14E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.07E-07	0	9.10E-05
offsite	591614.99	4139864.85	0.71013	1.71553	0.41662	0.12958	0.000510618	Residential	1.77E-07	5.34E-07	3.09E-07	2.80E-07	1.28E-07	1.14E-07	6.9E-09	1.7E-07	0.0E+00	1.8E-07	0.0E+00	9.7E-08	4.56E-07	0	1.02E-04
offsite	591714.99	4139864.85	0.66474	3.59784	0.37781	0.13417	0.000714029	Residential	2.47E-07	7.46E-07	4.32E-07	3.92E-07	1.79E-07	1.60E-07	9.7E-09	2.3E-07	0.0E+00	2.6E-07	0.0E+00	1.4E-07	6.38E-07	1	1.43E-04
offsite	591914.99	4139864.85	0.5892	3.32697	0.31567	0.14233	0.00066627	Residential	2.31E-07	6.96E-07	4.03E-07	3.65E-07	1.67E-07	1.49E-07	9.1E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	5.95E-07	1	1.33E-04
offsite	592014.99	4139864.85	0.55739	1.85005	0.29046	0.14586	0.000491373	Residential	1.70E-07	5.14E-07	2.97E-07	2.70E-07	1.23E-07	1.10E-07	6.7E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.3E-08	4.39E-07	0	9.83E-05
offsite	592114.99	4139864.85	0.52827	1.26517	0.26827	0.14899	0.000418583	Residential	1.45E-07	4.38E-07	2.53E-07	2.30E-07	1.05E-07	9.35E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	7.9E-08	3.74E-07	0	8.37E-05
offsite	592214.99	4139864.85	0.50094	0.95146	0.24861	0.15171	0.00037702	Residential	1.31E-07	3.94E-07	2.28E-07	2.07E-07	9.44E-08	8.42E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.1E-08	3.37E-07	0	7.54E-05
offsite	592314.99	4139864.85	0.47483	0.75653	0.23112	0.15402	0.000349184	Residential	1.21E-07	3.65E-07	2.11E-07	1.92E-07	8.74E-08	7.80E-08	4.7E-09	1.1E-07	0.0E+00	1.3E-07	0.0E+00	6.6E-08	3.12E-07	0	6.98E-05
offsite	592414.99	4139864.85	0.44946	0.62384	0.21547	0.156	0.000328571	Residential	1.14E-07	3.43E-07	1.99E-07	1.80E-07	8.22E-08	7.34E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.94E-07	0	6.57E-05
offsite	592514.99	4139864.85	0.42468	0.52763	0.20143	0.15762	0.000312161	Residential	1.08E-07	3.26E-07	1.89E-07	1.71E-07	7.81E-08	6.97E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.79E-07	0	6.24E-05
offsite	592614.99	4139864.85	0.40042	0.4547	0.18877	0.15884	0.000298364	Residential	1.03E-07	3.12E-07	1.81E-07	1.64E-07	7.47E-08	6.67E-08	4.1E-09	9.8E-08	0.0E+00	1.1E-07	0.0E+00	5.7E-08	2.67E-07	0	5.97E-05
offsite	592714.99	4139864.85	0.37668	0.39772	0.17733	0.15962	0.000286286	Residential	9.91E-08	2.99E-07	1.73E-07	1.57E-07	7.16E-08	6.40E-08	3.9E-09	9.4E-08	0.0E+00	1.0E-07	0.0E+00	5.4E-08	2.56E-07	0	5.73E-05
offsite	592814.99	4139864.85	0.35358	0.35228	0.16694	0.15988	0.000275348	Residential	9.53E-08	2.88E-07	1.67E-07	1.51E-07	6.89E-08	6.15E-08	3.7E-09	9.0E-08	0.0E+00	1.0E-07	0.0E+00	5.2E-08	2.46E-07	0	5.51E-05
offsite	589514.99	4139964.85	0.1355	0.09241	0.21998	0.03578	0.000103395	Residential	3.58E-08	1.08E-07	6.26E-08	5.67E-08	2.59E-08	2.31E-08	1.4E-09	3.4E-08	0.0E+00	3.7E-08	0.0E+00	2.0E-08	9.24E-08	0	2.07E-05
offsite	589614.99	4139964.85	0.15049	0.09759	0.2593	0.03731	0.000114539	Residential	3.96E-08	1.20E-07	6.93E-08	6.28E-08	2.87E-08	2.56E-08	1.6E-09	3.8E-08	0.0E+00	4.1E-08	0.0E+00	2.2E-08	1.02E-07	0	2.29E-05
offsite	591714.99	4139964.85	0.77659	9.94221	0.38237	0.14732	0.001468999	Residential	5.09E-07	1.54E-06	8.89E-07	8.06E-07	3.68E-07	3.28E-07	2.0E-08	4.8E-07	0.0E+00	5.3E-07	0.0E+00	2.8E-07	1.31E-06	1	2.94E-04
offsite	591814.99	4139964.85	0.72109	5.2517	0.34746	0.15156	0.000923191	Residential	3.20E-07	9.65E-07	5.59E-07	5.06E-07	2.31E-07	2.06E-07	1.3E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.8E-07	8.25E-07	1	1.85E-04
offsite	591914.99	4139964.85	0.67343	2.33495	0.31735	0.15538	0.000581017	Residential	2.01E-07	6.07E-07	3.52E-07	3.19E-07	1.45E-07	1.30E-07	7.9E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.19E-07	1	1.16E-04
offsite	592014.99	4139964.85	0.63162	1.49386	0.29113	0.15879	0.000476309	Residential	1.65E-07	4.98E-07	2.88E-07	2.61E-07	1.19E-07	1.06E-07	6.5E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.0E-08	4.26E-07	0	9.53E-05
offsite	592114.99	4139964.85	0.59386	1.08577	0.26816	0.16176	0.000421748	Residential	1.46E-07	4.41E-07	2.55E-07	2.31E-07	1.06E-07	9.42E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.0E-08	3.77E-07	0	8.43E-05
offsite	592214.99	4139964.85	0.55875	0.84546	0.24789	0.16425	0.000386779	Residential	1.34E-07	4.04E-07	2.34E-07	2.12E-07	9.68E-08	8.64E-08	5.3E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.3E-08	3.46E-07	0	7.74E-05
offsite	592314.99	4139964.85	0.52528	0.6871	0.22992	0.16635	0.000361465	Residential	1.25E-07	3.78E-07	2.19E-07	1.98E-07	9.05E-08	8.08E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.9E-08	3.23E-07	0	7.23E-05
offsite	592414.99	4139964.85	0.49319	0.57518	0.21392	0.16804	0.000341647	Residential	1.18E-07	3.57E-07	2.07E-07	1.87E-07	8.55E-08	7.63E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.05E-07	0	6.83E-05
offsite	592514.99	4139964.85	0.46207	0.49174	0.19962	0.16939	0.000325224	Residential	1.13E-07	3.40E-07	1.97E-07	1.78E-07	8.14E-08	7.27E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.91E-07	0	6.50E-05
offsite	592614.99	4139964.85	0.43204	0.4273	0.18678	0.17026	0.000310976	Residential	1.08E-07	3.25E-07	1.88E-07	1.71E-07	7.78E-08	6.95E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.78E-07	0	6.22E-05
offsite	592714.99	4139964.85	0.40301	0.37616	0.17518	0.17059	0.000298149	Residential	1.03E-07	3.12E-07	1.80E-07	1.64E-07	7.46E-08	6.66E-08	4.1E-09	9.8E-08	0.0E+00	1.1E-07	0.0E+00	5.7E-08	2.66E-07	0	5.96E-05
offsite	592814.99	4139964.85	0.37521	0.3348	0.16477	0.17046	0.000286449	Residential	9.92E-08	2.99E-07	1.73E-07	1.57E-07	7.17E-08	6.40E-08	3.9E-09	9.4E-08	0.0E+00	1.0E-07	0.0E+00	5.4E-08	2.56E-07	0	5.73E-05
offsite	589514.99	4140064.85	0.16336	0.10044	0.26147	0.03763	0.000117901	Residential	4.08E-08	1.23E-07	7.13E-08	6.47E-08	2.95E-08	2.63E-08	1.6E-09	3.9E-08	0.0E+00	4.3E-08	0.0E+00	2.2E-08	1.05E-07	0	2.36E-05
offsite	589614.99	4140064.85	0.18576	0.10626	0.31074	0.03927	0.000132217	Residential	4.58E-08	1.38E-07	8.00E-08	7.25E-08	3.31E-08	2.95E-08	1.8E-09	4.3E-08	0.0E+00	4.8E-08	0.0E+00	2.5E-08	1.18E-07	0	2.64E-05
offsite	591714.99	4140064.85	0.92158	13.8534	0.3848	0.16235	0.001954703	Residential	6.77E-07	2.04E-06	1.18E-06	1.07E-06	4.89E-07	4.37E-07	2.7E-08	6.4E-07	0.0E+00	7.1E-07	0.0E+00	3.7E-07	1.75E-06	2	3.91E-04
offsite	591814.99	4140064.85	0.84405	3.115	0.34854	0.16643	0.000716477	Residential	2.48E-07	7.49E-07	4.34E-07	3.93E-07	1.79E-07	1.60E-07	9.7E-09	2.4E-07	0.0E+00	2.6E-07	0.0E+00	1.4E-07	6.40E-07	1	1.43E-04
offsite	591914.99	4140064.85	0.77957	1.79925	0.31737	0.17008	0.000552955	Residential	1.91E-07	5.78E-07	3.35E-07	3.03E-07	1.38E-07	1.24E-07	7.5E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.0E-07	4.94E-07	0	1.11E-04
offsite	592014.99	4140064.85	0.72404	1.25157	0.29034	0.17327	0.000478736	Residential	1.66E-07	5.00E-07	2.90E-07	2.63E-07	1.20E-07	1.07E-07	6.5E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.1E-08	4.28E-07	0	9.57E-05
offsite	592114.99	4140064.85	0.6743	0.95021	0.26674	0.17598	0.000433747	Residential	1.50E-07	4.53E-07	2.62E-07	2.38E-07	1.09E-07	9.69E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.2E-08	3.88E-07	0	8.67E-05
offsite	592214.99	4140064.85	0.62831	0.75962	0.24601	0.17818	0.000402071	Residential	1.39E-07	4.20E-07	2.43E-07	2.21E-07	1.01E-07	8.98E-08	5.5E-09	1.3E-07	0.0E+00	1.5E-07	0.0E+00	7.6E-08	3.59E-07	0	8.04E-05
offsite	592314.99	4140064.85	0.58486	0.62819	0.22772	0.17994	0.000377604	Residential	1.31E-07	3.95E-07	2.28E-07	2.07E-07	9.45E-08	8.44E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.37E-07	0	7.55E-05
offsite	592414.99	4140064.85	0.54354	0.5323	0.21148	0.18128	0.000357537	Residential	1.24E-07	3.74E-07	2.16E-07	1.96E-07	8.95E-08	7.99E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.8E-08	3.20E-07	0	7.15E-05
offsite	592514.99	4140064.85	0.50417	0.45931	0.19704	0.18223	0.000340385	Residential	1.18E-07	3.56E-07	2.06E-07	1.87E-07	8.52E-08	7.61E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.04E-07	0	6.81E-05
offsite	592614.99	4140064.85	0.46672	0.40195	0.18409	0.18266	0.000325149	Residential	1.13E-07	3.40E-07	1.97E-07	1.78E-07	8.14E-08	7.26E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.91E-07	0	6.50E-05
offsite	592714.99	4140064.85	0.43127	0.35558	0.17246	0.18268	0.000311387	Residential	1.08E-07	3.25E-07	1.88E-07	1.71E-07	7.79E-08	6.96E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.78E-07	0	6.23E-05
offsite	592814.99	4140064.85	0.39774	0.31796	0.16203	0.18192	0.00029848	Residential	1.03E-07	3.12E-07	1.81E-07	1.64E-07	7.47E-08	6.67E-08	4.1E-09	9.8E-08	0.0E+00	1.1E-07	0.0E+00	5.7E-08	2.67E-07	0	5.97E-05
offsite	591714.99	4140164.85	1.12207	4.67306	0.38497	0.17955	0.000963164	Residential	3.33E-07	1.01E-06	5.83E-07	5.28E-07	2.41E-07	2.15E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.8E-07	8.61E-07	1	1.93E-04
offsite	591814.99	4140164.85	1.01002	2.23709	0.3476	0.18333	0.00066245	Residential	2.29E-07	6.92E-07	4.01E-07	3.63E-07	1.66E-07	1.48E-07	9.0E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	5.92E-07	1	1.32E-04
offsite	591914.99	4140164.85	0.92013	1.4641	0.31567	0.18667	0.000555528	Residential	1.92E-07	5.81E-07	3.36E-07	3.05E-07	1.39E-07	1.24E-07	7.6E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.1E-07	4.96E-07	0	1.11E-04
offsite	592014.99	4140164.85	0.8445	1.07664	0.28798	0.18945	0.000495312	Residential	1.71E-07	5.18E-07	3.00E-07	2.72E-07	1.24E-07	1.11E-07	6.7E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.4E-08	4.43E-07	0	9.91E-05
offsite	592114.99	4140164.85	0.77651	0.84378	0.26401	0.19181	0.000454339	Residential	1.57E-07	4.75E-07	2.75E-07	2.49E-07	1.14E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.06E-07	0	9.09E-05
offsite	592214.99	4140164.85	0.71389	0.68812	0.24302	0.19364	0.000423162	Residential	1.46E-07	4.42E-07	2.56E-07	2.32E-07	1.06E-07	9.45E-08	5.8E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.0E-08	3.78E-07	0	8.46E-05
offsite	592314.99	4140164.85	0.65581	0.57702	0.22455	0.19498	0.000397876	Residential	1.38E-07	4.16E-07	2.41E-07	2.18E-07	9.96E-08	8.89E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.5E-08	3.56E-07	0	7.96E-05
offsite	592414.99	4140164.85	0.60173	0.49396	0.20822	0.19588	0.000376482	Residential	1.30E-07	3.94E-07	2.28E-07	2.06E-07	9.42E-08	8.41E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.1E-08	3.36E-07	0	7.53E-05
offsite	592514.99	4140164.85	0.5514	0.42961	0.1937	0.19631	0.000357793	Residential	1.24E-07	3.74E-07	2.16E-07	1.96E-07	8.95E-08	7.99E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.8E-08	3.20E-07	0	7.16E-05
offsite	592614.99	4140164.85	0.50465	0.37826	0.18081	0.19625	0.00034108	Residential	1.18E-07	3.56E-07	2.06E-07	1.87E-07	8.54E-08	7.62E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.05E-07	0	6.82E-05
offsite	592714.99	4140164.85	0.46122	0.33638	0.16924	0.19562	0.000325772	Residential	1.13E-07	3.40E-07	1.97E-07	1.79E-07	8.15E-08	7.28E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.91E-07	0	6.52E-05

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhallation: 3rd trimester	0<2	2<9	2<16	16<30	16-70	Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year): 3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592814.99	4140164.85	0.42083	0.30187	0.15885	0.19425	0.000311403	Residential	1.08E-07	3.25E-07	1.88E-07	1.71E-07	7.79E-08	6.96E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.78E-07	0	6.23E-05
park	591314.99	4140264.85	3.71116	1.26672	0.62519	0.17734	0.001095813	Parks/Paths	0.00E+00	3.90E-08	2.08E-08	1.69E-08	7.81E-09	7.48E-09	0.0E+00	1.2E-08	6.9E-09	0.0E+00	7.4E-10	0.0E+00	1.99E-08	0	2.19E-04
park	591414.99	4140264.85	2.61034	1.98131	0.54596	0.18428	0.000965017	Parks/Paths	0.00E+00	3.44E-08	1.83E-08	1.49E-08	6.87E-09	6.59E-09	0.0E+00	1.1E-08	6.0E-09	0.0E+00	6.5E-10	0.0E+00	1.75E-08	0	1.93E-04
offsite	591614.99	4140264.85	1.66859	9.94362	0.42775	0.19514	0.001685465	Residential	5.83E-07	1.76E-06	1.02E-06	9.24E-07	4.22E-07	3.77E-07	2.3E-08	5.5E-07	0.0E+00	6.1E-07	0.0E+00	3.2E-07	1.51E-06	2	3.37E-04
offsite	591714.99	4140264.85	1.42631	2.92379	0.38285	0.19924	0.000838103	Residential	2.90E-07	8.76E-07	5.07E-07	4.60E-07	2.10E-07	1.87E-07	1.1E-08	2.8E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.49E-07	1	1.68E-04
offsite	591814.99	4140264.85	1.25238	1.74602	0.34475	0.20256	0.000668438	Residential	2.31E-07	6.99E-07	4.04E-07	3.67E-07	1.67E-07	1.49E-07	9.1E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	5.97E-07	1	1.34E-04
park	591914.99	4140264.85	1.11874	1.23198	0.31227	0.20539	0.000582266	Parks/Paths	0.00E+00	2.07E-08	1.11E-08	8.99E-09	4.15E-09	3.97E-09	0.0E+00	6.5E-09	3.6E-09	0.0E+00	3.9E-10	0.0E+00	1.06E-08	0	1.16E-04
offsite	592014.99	4140264.85	1.00858	0.94259	0.28416	0.20761	0.000526198	Residential	1.82E-07	5.50E-07	3.18E-07	2.89E-07	1.32E-07	1.18E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.70E-07	0	1.05E-04
offsite	592114.99	4140264.85	0.91008	0.75671	0.26006	0.20953	0.000484465	Residential	1.68E-07	5.06E-07	2.93E-07	2.66E-07	1.21E-07	1.08E-07	6.6E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.2E-08	4.33E-07	0	9.69E-05
offsite	592214.99	4140264.85	0.82132	0.6272	0.23894	0.2108	0.000450867	Residential	1.56E-07	4.71E-07	2.73E-07	2.47E-07	1.13E-07	1.01E-07	6.1E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.5E-08	4.03E-07	0	9.02E-05
offsite	592314.99	4140264.85	0.74101	0.53202	0.22043	0.21159	0.000422749	Residential	1.46E-07	4.42E-07	2.56E-07	2.32E-07	1.06E-07	9.45E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.0E-08	3.78E-07	0	8.45E-05
offsite	592414.99	4140264.85	0.66892	0.45938	0.20411	0.21192	0.000398676	Residential	1.38E-07	4.17E-07	2.41E-07	2.19E-07	9.98E-08	8.91E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.6E-08	3.56E-07	0	7.97E-05
offsite	592514.99	4140264.85	0.60439	0.40219	0.18973	0.21182	0.000377704	Residential	1.31E-07	3.95E-07	2.29E-07	2.07E-07	9.45E-08	8.44E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.38E-07	0	7.55E-05
offsite	592614.99	4140264.85	0.54602	0.35602	0.17696	0.21112	0.000358863	Residential	1.24E-07	3.75E-07	2.17E-07	1.97E-07	8.98E-08	8.02E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.8E-08	3.21E-07	0	7.18E-05
path	592714.99	4140264.85	0.49279	0.31798	0.1655	0.20976	0.000341532	Parks/Paths	0.00E+00	1.22E-08	6.49E-09	5.27E-09	2.43E-09	2.33E-09	0.0E+00	3.8E-09	2.1E-09	0.0E+00	2.3E-10	0.0E+00	6.19E-09	0	6.83E-05
path	592814.99	4140264.85	0.44411	0.28653	0.15534	0.20749	0.000325202	Parks/Paths	0.00E+00	1.16E-08	6.18E-09	5.02E-09	2.32E-09	2.22E-09	0.0E+00	3.6E-09	2.0E-09	0.0E+00	2.2E-10	0.0E+00	5.90E-09	0	6.50E-05
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.00096044	Residential	3.32E-07	1.00E-06	5.81E-07	5.27E-07	2.40E-07	2.15E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.8E-07	8.58E-07	1	1.92E-04
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.00108783	Residential	3.77E-07	1.14E-06	6.58E-07	5.97E-07	2.72E-07	2.43E-07	1.5E-08	3.6E-07	0.0E+00	3.9E-07	0.0E+00	2.1E-07	9.72E-07	1	2.18E-04
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.001390018	Residential	4.81E-07	1.45E-06	8.41E-07	7.62E-07	3.48E-07	3.11E-07	1.9E-08	4.6E-07	0.0E+00	5.0E-07	0.0E+00	2.6E-07	1.24E-06	1	2.78E-04
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.00253026	Residential	8.76E-07	2.64E-06	1.53E-06	1.39E-06	6.33E-07	5.65E-07	3.4E-08	8.3E-07	0.0E+00	9.2E-07	0.0E+00	4.8E-07	2.26E-06	2	5.06E-04
park	591414.99	4140364.85	5.41692	2.89298	0.54444	0.20822	0.001613329	Parks/Paths	0.00E+00	5.75E-08	3.06E-08	2.49E-08	1.15E-08	1.10E-08	0.0E+00	1.8E-08	1.0E-08	0.0E+00	1.1E-09	0.0E+00	2.93E-08	0	3.23E-04
offsite	591614.99	4140364.85	2.4506	4.22363	0.42399	0.21825	0.001200638	Residential	4.16E-07	1.25E-06	7.26E-07	6.59E-07	3.00E-07	2.68E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.3E-07	1.07E-06	1	2.40E-04
school	591714.99	4140364.85	1.96167	2.14283	0.37841	0.22174	0.000868424	School	0.00E+00	1.28E-07	6.85E-08	5.57E-08	2.57E-08	2.46E-08	0.0E+00	0.0E+00	2.3E-08	5.2E-09	0.0E+00	0.0E+00	2.79E-08	0	1.74E-04
school	591814.99	4140364.85	1.65135	1.42893	0.33983	0.22438	0.000725397	School	0.00E+00	1.07E-07	5.72E-08	4.65E-08	2.15E-08	2.06E-08	0.0E+00	0.0E+00	1.9E-08	4.4E-09	0.0E+00	0.0E+00	2.33E-08	0	1.45E-04
school	591914.99	4140364.85	1.42828	1.06106	0.30709	0.22649	0.000638487	School	0.00E+00	9.45E-08	5.04E-08	4.09E-08	1.89E-08	1.81E-08	0.0E+00	0.0E+00	1.7E-08	3.9E-09	0.0E+00	0.0E+00	2.05E-08	0	1.28E-04
offsite	592014.99	4140364.85	1.24904	0.83606	0.27898	0.22808	0.000576296	Residential	1.99E-07	6.02E-07	3.49E-07	3.16E-07	1.44E-07	1.29E-07	7.8E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.15E-07	1	1.15E-04
offsite	592114.99	4140364.85	1.09253	0.68386	0.25469	0.22916	0.000526794	Residential	1.82E-07	5.51E-07	3.19E-07	2.89E-07	1.32E-07	1.18E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.71E-07	0	1.05E-04
offsite	592214.99	4140364.85	0.95749	0.57429	0.23375	0.22984	0.000486336	Residential	1.68E-07	5.08E-07	2.94E-07	2.67E-07	1.22E-07	1.09E-07	6.6E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.2E-08	4.35E-07	0	9.73E-05
offsite	592314.99	4140364.85	0.84282	0.49179	0.21533	0.22993	0.000452643	Residential	1.57E-07	4.73E-07	2.74E-07	2.48E-07	1.13E-07	1.01E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.05E-07	0	9.05E-05
offsite	592414.99	4140364.85	0.74664	0.42777	0.19931	0.2297	0.000424607	Residential	1.47E-07	4.44E-07	2.57E-07	2.33E-07	1.06E-07	9.49E-08	5.8E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.1E-08	3.79E-07	0	8.49E-05
offsite	592514.99	4140364.85	0.66397	0.37671	0.18514	0.22888	0.000400342	Residential	1.39E-07	4.18E-07	2.42E-07	2.20E-07	1.00E-07	8.94E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.6E-08	3.58E-07	0	8.01E-05
offsite	592614.99	4140364.85	0.59118	0.33511	0.17259	0.22737	0.000378646	Residential	1.31E-07	3.96E-07	2.29E-07	2.08E-07	9.48E-08	8.46E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.38E-07	0	7.57E-05
path	592714.99	4140364.85	0.52588	0.30063	0.16139	0.225	0.000358613	Parks/Paths	0.00E+00	1.28E-08	6.81E-09	5.53E-09	2.55E-09	2.45E-09	0.0E+00	4.0E-09	2.2E-09	0.0E+00	2.4E-10	0.0E+00	6.50E-09	0	7.17E-05
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.000830154	Residential	2.87E-07	8.68E-07	5.02E-07	4.55E-07	2.08E-07	1.85E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.42E-07	1	1.66E-04
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.00083725	Residential	2.90E-07	8.75E-07	5.07E-07	4.59E-07	2.10E-07	1.87E-07	1.1E-08	2.8E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.48E-07	1	1.67E-04
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.000886482	Residential	3.07E-07	9.27E-07	5.36E-07	4.86E-07	2.22E-07	1.98E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.92E-07	1	1.77E-04
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.001001165	Residential	3.47E-07	1.05E-06	6.06E-07	5.49E-07	2.51E-07	2.24E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.95E-07	1	2.00E-04
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.001205737	Residential	4.17E-07	1.26E-06	7.30E-07	6.61E-07	3.02E-07	2.69E-07	1.6E-08	4.0E-07	0.0E+00	4.4E-07	0.0E+00	2.3E-07	1.08E-06	1	2.41E-04
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.001662612	Residential	5.76E-07	1.74E-06	1.01E-06	9.12E-07	4.16E-07	3.71E-07	2.3E-08	5.5E-07	0.0E+00	6.0E-07	0.0E+00	3.2E-07	1.49E-06	1	3.33E-04
offsite	591514.99	4140464.85	11.9602	7.63164	0.47473	0.24289	0.003392493	Residential	1.17E-06	3.55E-06	2.05E-06	1.86E-06	8.49E-07	7.58E-07	4.6E-08	1.1E-06	0.0E+00	1.2E-06	0.0E+00	6.4E-07	3.03E-06	3	6.78E-04
offsite	591614.99	4140464.85	4.79699	2.755	0.41739	0.24482	0.001493855	Residential	5.17E-07	1.56E-06	9.04E-07	8.19E-07	3.74E-07	3.34E-07	2.0E-08	4.9E-07	0.0E+00	5.4E-07	0.0E+00	2.8E-07	1.34E-06	1	2.99E-04
offsite	591714.99	4140464.85	3.21746	1.68904	0.37142	0.24733	0.00107269	Residential	3.71E-07	1.12E-06	6.49E-07	5.88E-07	2.68E-07	2.40E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.59E-07	1	2.15E-04
school	591814.99	4140464.85	2.45836	1.20613	0.33287	0.24912	0.000871467	School	0.00E+00	1.29E-07	6.88E-08	5.59E-08	2.58E-08	2.47E-08	0.0E+00	0.0E+00	2.3E-08	5.3E-09	0.0E+00	0.0E+00	2.80E-08	0	1.74E-04
offsite	591914.99	4140464.85	1.986	0.92893	0.3001	0.25022	0.000747462	Residential	2.59E-07	7.81E-07	4.52E-07	4.10E-07	1.87E-07	1.67E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.68E-07	1	1.49E-04
offsite	592014.99	4140464.85	1.63071	0.74846	0.27223	0.25096	0.000656777	Residential	2.27E-07	6.86E-07	3.97E-07	3.60E-07	1.64E-07	1.47E-07	8.9E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.2E-07	5.87E-07	1	1.31E-04
offsite	592114.99	4140464.85	1.34734	0.62145	0.24827	0.25126	0.000585835	Residential	2.03E-07	6.12E-07	3.54E-07	3.21E-07	1.47E-07	1.31E-07	8.0E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.24E-07	1	1.17E-04
offsite	592214.99	4140464.85	1.12997	0.52748	0.22756	0.25109	0.000531074	Residential	1.84E-07	5.55E-07	3.21E-07	2.91E-07	1.33E-07	1.19E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.75E-07	0	1.06E-04
offsite	592314.99	4140464.85	0.96534	0.4554	0.20953	0.25045	0.000488661	Residential	1.69E-07	5.11E-07	2.96E-07	2.68E-07	1.22E-07	1.09E-07	6.6E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.3E-08	4.37E-07	0	9.77E-05
offsite	592414.99	4140464.85	0.83775	0.39864	0.19389	0.24947	0.000454986	Residential	1.57E-07	4.76E-07	2.75E-07	2.50E-07	1.14E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.07E-07	0	9.10E-05
offsite	592514.99	4140464.85	0.73267	0.35289	0.17999	0.24775	0.000426388	Residential	1.48E-07	4.46E-07	2.58E-07	2.34E-07	1.07E-07	9.53E-08	5.8E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.1E-08	3.81E-07	0	8.53E-05
path	592614.99	4140464.85	0.64175	0.31531	0.16782	0.24532	0.000401011	Parks/Paths	0.00E+00	1.43E-08	7.62E-09	6.19E-09	2.86E-09	2.74E-09	0.0E+00	4.5E-09	2.5E-09	0.0E+00	2.7E-10	0.0E+00	7.27E-09	0	8.02E-05
path	592714.99	4140464.85	0.56081	0.28388	0.15696	0.24196	0.000377582	Parks/Paths	0.00E+00	1.34E-08	7.17E-09	5.83E-09	2.69E-09	2.58E-09	0.0E+00	4.2E-09	2.4E-09	0.0E+00	2.5E-10	0.0E+00	6.85E-09	0	7.55E-05
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.001064223	Residential	3.68E-07	1.11E-06	6.44E-07	5.84E-07	2.66E-07	2.38E-07	1.4E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.51E-07	1	2.13E-04
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.000859178	Residential	2.97E-07	8.98E-07	5.20E-07	4.71E-07	2.15E-07	1.92E-07	1.2E-08	2.8E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.68E-07	1	1.72E-04
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.000800368	Residential	2.77E-07	8.37E-07	4.84E-07	4.39E-07	2.00E-07	1.79E-07	1.1E-08	2.6E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.15E-07	1	1.60E-04
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.000795351	Residential	2.75E-07	8.31E-07	4.81E-07	4.36E-07	1.99E-07	1.78E-07	1.1E-08	2.6E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.11E-07	1	1.59E-04
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.000819987	Residential	2.84E-07	8.57E-07	4.96E-07	4.50E-07	2.05E-07	1.83E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.33E-07	1	1.64E-04
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.000889016	Residential	3.08E-07	9.29E-07	5.38E-07	4.88E-07	2.22E-07	1.99E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.95E-07	1	1.78E-04
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.001010404	Residential	3.50E-07	1.06E-06	6.11E-07	5.54E-07	2.53E-07	2.26E-07	1.4E-08	3.3E-07	0.0E+00	3.7E-07	0.0E+00	1.9E-07	9.03E-07	1	2.02E-04
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.001287937	Residential	4.46E-07	1.35E-06	7.79E-07	7.06E-07	3.22E-07	2.88E-07	1.8E-08	4.2E-07	0.0E+00	4.7E-07	0.0E+00	2.4E-07	1.15E-06	1	2.58E-04
offsite	591714.99	4140564.85	10.93829	1.38917	0.36212	0.27662	0.002503442	Residential	8.67E-07	2.62E-06	1.51E-06	1.37E-06	6.27E-07	5.59E-07	3.4E-08	8.2E-07	0.0E+00	9.1E-07	0.0E+00	4.7E-07	2.24E-06	2	5.01E-04
offsite	591814.99	4140564.85	5.08341	1.03982	0.32392	0.27721	0.001365776	Residential	4.73E-07	1.43E-06	8.26E-07	7.49E-07	3.42E-07	3.05E-07	1.9E-08	4.5E-07	0.0E+00	4.9E-07	0.0E+00	2.6E-07	1.22E-06	1	2.73E-04
offsite	591914.99	4140564.85	3.31374	0.82289	0.29163	0.27719	0.001005694	Residential	3.48E-07	1.05E-06	6.09E-07	5.52E-07	2.52E-07	2.25E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.99E-07	1	2.01E-04
offsite	592014.99	4140564.85	2.30074	0.67452	0.26411	0.27675	0.000794971	Residential	2.75E-07	8.31E-07	4.81E-07	4.36E-07	1.99E-07	1.78E-07	1.1E-08	2.6E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.10E-07	1	1.59E-04
offsite	592114.99	4140564.85	1.70781	0.56694	0.24071	0.27608	0.000667719	Residential	2.31E-07	6.98E-07	4.04E-07	3.66E-07	1.67E-07	1.49E-07	9.1E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	5.97E-07	1	1.34E-04
offsite	592214.99	4140564.85	1.34913	0.48554	0.22049	0.27495	0.000587252	Residential	2.03E-07	6.14E-07	3.55E-07	3.22E-07	1.47E-07	1.31E-07	8.0E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.25E-07	1	1.17E-04
offsite	592314.99	4140564.85	1.11598	0.42217	0.20302	0.27345	0.000532373	Residential	1.84E-07	5.56E-07	3.22E-07	2.92E-07	1.33E-07	1.19E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.76E-07	0	1.06E-04
offsite	592414.99	4140564.85	0.94989	0.37164	0.18778	0.27147	0.000491401	Residential	1.70E-07	5.14E-07	2.97E-07	2.70E-07	1.23E-07	1.10E-07	6.7E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.3E-08	4.39E-07	0	9.83E-05
path	592514.99	4140564.85	0.8165	0.33059	0.17448	0.26884	0.000457345	Parks/Paths	0.00E+00	1.63E-08	8.69E-09	7.06E-09	3.26E-09	3.12E-09	0.0E+00	5.1E-09	2.9E-09	0.0E+00	3.1E-10	0.0E+00	8.29E-09	0	9.15E-05
path	592614.99	4140564.85	0.70008	0.29661	0.16272	0.2652	0.000426612	Parks/Paths	0.00E+00	1.52E-08	8.10E-09	6.58E-09	3.04E-09	2.91E-09	0.0E+00	4.8E-09	2.7E-09	0.0E+00	2.9E-10	0.0E+00	7.74E-09	0	8.53E-05
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.002303366	Residential	7.97E-07	2.41E-06	1.39E-06	1.26E-06	5.76E-07	5.15E-07	3.1E-08	7.6E-07	0.0E+00	8.3E-07	0.0E+00	4.4E-07	2.06E-06	2	4.61E-04
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.001065294	Residential	3.69E-07	1.11E-06	6.45E-07	5.84E-07	2.67E-07	2.38E-07	1.4E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.52E-07	1	2.13E-04
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.000863388	Residential	2.99E-07	9.02E-07	5.22E-07	4.74E-07	2.16E-07	1.93E-07	1.2E-08	2.8E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.72E-07	1	1.73E-04
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.000805086	Residential	2.79E-07	8.41E-07	4.87E-07	4.42E-07	2.01E-07	1.80E-07	1.1E-08	2.6E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.19E-07	1	1.61E-04
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.000792648	Residential	2.74E-07	8.28E-07	4.80E-07	4.35E-07	1.98E-07	1.77E-07	1.1E-08	2.6E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.08E-07	1	1.59E-04
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.000810947	Residential	2.81E-07	8.48E-07	4.91E-07	4.45E-07	2.03E-07	1.81E-07	1.1E-08	2.7E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.25E-07	1	1.62E-04
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.000870127	Residential	3.01E-07	9.09E-07	5.26E-07	4.77E-07	2.18E-07	1.94E-07	1.2E-08	2.9E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.78E-07	1	1.74E-04
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.000994061	Residential	3.44E-07	1.04E-06	6.01E-07	5.45E-07	2.49E-07	2.22E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.88E-07	1	1.99E-04
offsite	591314.99	4140664.85	2.2313	6.67174	0.60105	0.30516	0.001544283	Residential	5.35E-07	1.61E-06	9.34E-07	8.47E-07	3.86E-07	3.45E-07	2.1E-08	5.1E-07	0.0E+00	5.6E-07	0.0E+00	2.9E-07	1.38E-06	1	3.09E-04
offsite	591914.99	4140664.85	10.44952	0.73481	0.28149	0.30771	0.002352351	Residential	8.14E-07	2.46E-06	1.42E-06	1.29E-06	5.89E-07	5.26E-07	3.2E-08	7.7E-07	0.0E+00	8.5E-07	0.0E+00	4.5E-07	2.10E-06	2	4.70E-04
offsite	592014.99	4140664.85	3.56423	0.61041	0.2545	0.30574	0.001047596	Residential	3.63E-07	1.09E-06	6.34E-07	5.75E-07	2.62E-07	2.34E-07	1.4E-08	3.4E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.36E-07	1	2.10E-04
offsite	592114.99	4140664.85	2.21972	0.51823	0.23183	0.30389	0.000780957	Residential	2.70E-07	8.16E-07	4.73E-07	4.28E-07	1.95E-07	1.74E-07	1.1E-08	2.6E-07	0.0E+00	2.8E-07	0.0E+00	1.5E-07	6.98E-07	1	1.56E-04
offsite	592214.99	4140664.85	1.63705	0.44735	0.21243	0.30176	0.000659146	Residential	2.28E-07	6.89E-07	3.99E-07	3.62E-07	1.65E-07	1.47E-07	9.0E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.2E-07	5.89E-07	1	1.32E-04
path	592314.99	4140664.85	1.31516	0.39137	0.19591	0.29966	0.000588174	Parks/Paths	0.00E+00	2.09E-08	1.12E-08	9.08E-09	4.19E-09	4.02E-09	0.0E+00	6.6E-09	3.7E-09	0.0E+00	4.0E-10	0.0E+00	1.07E-08	0	1.18E-04
path	592414.99	4140664.85	1.10459	0.3466	0.18136	0.29643	0.00053856	Parks/Paths	0.00E+00	1.92E-08	1.02E-08	8.31E-09	3.84E-09	3.68E-09	0.0E+00	6.0E-09	3.4E-09	0.0E+00	3.6E-10	0.0E+00	9.77E-09	0	1.08E-04
path	592514.99	4140664.85	0.92734	0.30971	0.16864	0.29256	0.000495787	Parks/Paths	0.00E+00	1.77E-08	9.42E-09	7.65E-09	3.53E-09	3.38E-09	0.0E+00	5.5E-09	3.1E-09	0.0E+00	3.3E-10	0.0E+00	8.99E-09	0	9.92E-05
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.002347346	Residential	8.13E-07	2.45E-06	1.42E-06	1.29E-06	5.87E-07	5.24E-07	3.2E-08	7.7E-07	0.0E+00	8.5E-07	0.0E+00	4.5E-07	2.10E-06	2	4.69E-04

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhallation: 3rd trimester	0<2	2<9	2<16	16<30	16-70	Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year): 3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.001097731	Residential	3.80E-07	1.15E-06	6.64E-07	6.02E-07	2.75E-07	2.45E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.81E-07	1	2.20E-04
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.000897928	Residential	3.11E-07	9.39E-07	5.43E-07	4.93E-07	2.25E-07	2.01E-07	1.2E-08	2.9E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.02E-07	1	1.80E-04
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.000834788	Residential	2.89E-07	8.73E-07	5.05E-07	4.58E-07	2.09E-07	1.87E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.46E-07	1	1.67E-04
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.000820703	Residential	2.84E-07	8.58E-07	4.97E-07	4.50E-07	2.05E-07	1.83E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.33E-07	1	1.64E-04
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.000836546	Residential	2.90E-07	8.74E-07	5.06E-07	4.59E-07	2.09E-07	1.87E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.48E-07	1	1.67E-04
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.000903513	Residential	3.13E-07	9.44E-07	5.47E-07	4.96E-07	2.26E-07	2.02E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.07E-07	1	1.81E-04
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.001107371	Residential	3.83E-07	1.16E-06	6.70E-07	6.07E-07	2.77E-07	2.47E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.90E-07	1	2.21E-04
offsite	592014.99	4140764.85	6.87477	0.55498	0.24466	0.33969	0.001687462	Residential	5.84E-07	1.76E-06	1.02E-06	9.26E-07	4.22E-07	3.77E-07	2.3E-08	5.5E-07	0.0E+00	6.1E-07	0.0E+00	3.2E-07	1.51E-06	2	3.37E-04
path	592114.99	4140764.85	3.07953	0.47503	0.2229	0.33659	0.000964063	Parks/Paths	0.00E+00	3.43E-08	1.83E-08	1.49E-08	6.87E-09	6.58E-09	0.0E+00	1.1E-08	6.0E-09	0.0E+00	6.5E-10	0.0E+00	1.75E-08	0	1.93E-04
path	592214.99	4140764.85	2.08739	0.41318	0.20444	0.33305	0.000765792	Parks/Paths	0.00E+00	2.73E-08	1.45E-08	1.18E-08	5.45E-09	5.23E-09	0.0E+00	8.6E-09	4.8E-09	0.0E+00	5.1E-10	0.0E+00	1.39E-08	0	1.53E-04
path	592314.99	4140764.85	1.63289	0.36343	0.18843	0.3294	0.000669495	Parks/Paths	0.00E+00	2.38E-08	1.27E-08	1.03E-08	4.77E-09	4.57E-09	0.0E+00	7.5E-09	4.2E-09	0.0E+00	4.5E-10	0.0E+00	1.21E-08	0	1.34E-04
offsite	590714.99	4140864.85	0.90408	0.66981	2.33819	0.37835	0.000961694	Residential	3.33E-07	1.01E-06	5.82E-07	5.27E-07	2.41E-07	2.15E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.8E-07	8.59E-07	1	1.92E-04
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.000892898	Residential	3.09E-07	9.33E-07	5.40E-07	4.90E-07	2.23E-07	1.99E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.98E-07	1	1.79E-04
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.00087642	Residential	3.03E-07	9.16E-07	5.30E-07	4.81E-07	2.19E-07	1.96E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.83E-07	1	1.75E-04
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.000898561	Residential	3.11E-07	9.39E-07	5.44E-07	4.93E-07	2.25E-07	2.01E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.03E-07	1	1.80E-04
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.000994961	Residential	3.44E-07	1.04E-06	6.02E-07	5.46E-07	2.49E-07	2.22E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.89E-07	1	1.99E-04
offsite	591214.99	4140864.85	1.29664	8.59958	0.66601	0.41344	0.001696056	Residential	5.87E-07	1.77E-06	1.03E-06	9.30E-07	4.24E-07	3.79E-07	2.3E-08	5.6E-07	0.0E+00	6.1E-07	0.0E+00	3.2E-07	1.52E-06	2	3.39E-04
Phase7	591314.99	4140864.85	1.42654	5.62814	0.56007	0.41045	0.001362392	Daycare	1.12E-07	3.73E-07	1.99E-07	1.62E-07	7.47E-08	7.15E-08	4.4E-09	1.2E-07	3.8E-08	0.0E+00	0.0E+00	0.0E+00	1.59E-07	0	2.72E-04
path	591914.99	4140864.85	5.18803	0.59501	0.25766	0.38347	0.001418393	Parks/Paths	0.00E+00	5.05E-08	2.69E-08	2.19E-08	1.01E-08	9.68E-09	0.0E+00	1.6E-08	8.9E-09	0.0E+00	9.5E-10	0.0E+00	2.57E-08	0	2.84E-04
path	592114.99	4140864.85	5.25384	0.43635	0.21317	0.37399	0.001396954	Parks/Paths	0.00E+00	4.98E-08	2.65E-08	2.16E-08	9.95E-09	9.54E-09	0.0E+00	1.6E-08	8.8E-09	0.0E+00	9.4E-10	0.0E+00	2.53E-08	0	2.79E-04
Phase5	590714.99	4140964.85	0.81493	0.74878	2.31683	0.49909	0.001057923	Daycare	8.72E-08	2.90E-07	1.55E-07	1.26E-07	5.80E-08	5.56E-08	3.4E-09	9.1E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.24E-07	0	2.12E-04
Phase5	590814.99	4140964.85	0.83379	0.88609	1.58334	0.51162	0.000968855	Daycare	7.99E-08	2.65E-07	1.42E-07	1.15E-07	5.31E-08	5.09E-08	3.1E-09	8.3E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.13E-07	0	1.94E-04
Phase5	590914.99	4140964.85	0.91505	1.24463	1.21985	0.50918	0.000963485	Daycare	7.94E-08	2.64E-07	1.41E-07	1.14E-07	5.28E-08	5.06E-08	3.1E-09	8.3E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.13E-07	0	1.93E-04
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.000995982	Residential	3.45E-07	1.04E-06	6.03E-07	5.46E-07	2.49E-07	2.23E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.90E-07	1	1.99E-04
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.00119819	Residential	4.15E-07	1.25E-06	7.25E-07	6.57E-07	3.00E-07	2.68E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.3E-07	1.07E-06	1	2.40E-04
Phase7	591314.99	4140964.85	1.21455	3.18739	0.52992	0.48559	0.001107113	Daycare	9.12E-08	3.03E-07	1.62E-07	1.31E-07	6.07E-08	5.81E-08	3.6E-09	9.5E-08	3.1E-08	0.0E+00	0.0E+00	0.0E+00	1.29E-07	0	2.21E-04
Phase7	591414.99	4140964.85	1.32649	1.82344	0.44189	0.47575	0.000949775	Daycare	7.83E-08	2.60E-07	1.39E-07	1.13E-07	5.20E-08	4.99E-08	3.1E-09	8.2E-08	2.6E-08	0.0E+00	0.0E+00	0.0E+00	1.11E-07	0	1.90E-04
Phase8	591514.99	4140964.85	1.45834	1.26834	0.38068	0.46563	0.000892272	Daycare	7.35E-08	2.44E-07	1.30E-07	1.06E-07	4.89E-08	4.69E-08	2.9E-09	7.7E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.04E-07	0	1.78E-04
Phase8	591614.99	4140964.85	1.6083	0.97352	0.34277	0.45232	0.000868709	Daycare	7.16E-08	2.38E-07	1.27E-07	1.03E-07	4.76E-08	4.56E-08	2.8E-09	7.5E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.02E-07	0	1.74E-04
path	591914.99	4140964.85	3.37142	0.53894	0.24442	0.43132	0.001113514	Parks/Paths	0.00E+00	3.97E-08	2.12E-08	1.72E-08	7.93E-09	7.60E-09	0.0E+00	1.2E-08	7.0E-09	0.0E+00	7.5E-10	0.0E+00	2.02E-08	0	2.23E-04
offsite	592014.99	4140964.85	6.49538	0.46182	0.22203	0.42478	0.001678063	Residential	5.81E-07	1.75E-06	1.02E-06	9.20E-07	4.20E-07	3.75E-07	2.3E-08	5.5E-07	0.0E+00	6.1E-07	0.0E+00	3.2E-07	1.50E-06	1	3.36E-04
Phase5	590714.99	4141064.85	0.72377	0.81963	2.24297	0.65508	0.001175652	Daycare	9.69E-08	3.22E-07	1.72E-07	1.40E-07	6.44E-08	6.17E-08	3.8E-09	1.0E-07	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.37E-07	0	2.35E-04
Phase5	590814.99	4141064.85	0.75236	0.94849	1.4133	0.62764	0.001036251	Daycare	8.54E-08	2.84E-07	1.51E-07	1.23E-07	5.68E-08	5.44E-08	3.4E-09	8.9E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.21E-07	0	2.07E-04
Phase5	590914.99	4141064.85	0.80363	1.33396	1.10899	0.63147	0.001043554	Daycare	8.60E-08	2.86E-07	1.52E-07	1.24E-07	5.72E-08	5.48E-08	3.4E-09	9.0E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.22E-07	0	2.09E-04
Phase5	591014.99	4141064.85	0.85389	2.16383	0.87437	0.62034	0.001099257	Daycare	9.06E-08	3.01E-07	1.61E-07	1.31E-07	6.02E-08	5.77E-08	3.6E-09	9.5E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.29E-07	0	2.20E-04
Phase7	591214.99	4141064.85	0.991	4.86026	0.59714	0.57695	0.001347866	Daycare	1.11E-07	3.69E-07	1.97E-07	1.60E-07	7.39E-08	7.08E-08	4.4E-09	1.2E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.58E-07	0	2.70E-04
Phase7	591314.99	4141064.85	1.06395	2.20454	0.4846	0.56748	0.001032656	Daycare	8.51E-08	2.83E-07	1.51E-07	1.23E-07	5.66E-08	5.42E-08	3.3E-09	8.9E-08	2.8E-08	0.0E+00	0.0E+00	0.0E+00	1.21E-07	0	2.07E-04
Phase7	591414.99	4141064.85	1.13226	1.42228	0.40726	0.53866	0.000918209	Daycare	7.57E-08	2.52E-07	1.34E-07	1.09E-07	5.03E-08	4.82E-08	3.0E-09	7.9E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.07E-07	0	1.84E-04
Phase8	591514.99	4141064.85	1.23404	1.05573	0.34975	0.52408	0.00087318	Daycare	7.20E-08	2.39E-07	1.28E-07	1.04E-07	4.78E-08	4.59E-08	2.8E-09	7.5E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.02E-07	0	1.75E-04
Phase8	591614.99	4141064.85	1.37544	0.83569	0.30539	0.51456	0.000858847	Daycare	7.08E-08	2.35E-07	1.25E-07	1.02E-07	4.71E-08	4.51E-08	2.8E-09	7.4E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.00E-07	0	1.72E-04
Phase8	591714.99	4141064.85	1.59145	0.69287	0.28386	0.5096	0.000874985	Daycare	7.21E-08	2.40E-07	1.28E-07	1.04E-07	4.79E-08	4.59E-08	2.8E-09	7.5E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.02E-07	0	1.75E-04
path	591814.99	4141064.85	1.89556	0.57616	0.25559	0.49832	0.000903812	Parks/Paths	0.00E+00	3.22E-08	1.72E-08	1.39E-08	6.44E-09	6.17E-09	0.0E+00	1.0E-08	5.7E-09	0.0E+00	6.1E-10	0.0E+00	1.64E-08	0	1.81E-04
offsite	591914.99	4141064.85	2.41673	0.48979	0.23101	0.48968	0.000979531	Residential	3.39E-07	1.02E-06	5.93E-07	5.37E-07	2.45E-07	2.19E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.9E-07	8.75E-07	1	1.96E-04
offsite	592014.99	4141064.85	3.27292	0.42304	0.21038	0.48094	0.001120534	Residential	3.88E-07	1.17E-06	6.78E-07	6.15E-07	2.80E-07	2.50E-07	1.5E-08	3.7E-07	0.0E+00	4.1E-07	0.0E+00	2.1E-07	1.00E-06	1	2.24E-04
offsite	592114.99	4141064.85	4.71179	0.37021	0.19296	0.47243	0.001372548	Residential	4.75E-07	1.43E-06	8.30E-07	7.53E-07	3.44E-07	3.07E-07	1.9E-08	4.5E-07	0.0E+00	5.0E-07	0.0E+00	2.6E-07	1.23E-06	1	2.75E-04
offsite	592214.99	4141064.85	6.96192	0.32767	0.17806	0.46392	0.001777483	Residential	6.15E-07	1.86E-06	1.08E-06	9.75E-07	4.45E-07	3.97E-07	2.4E-08	5.8E-07	0.0E+00	6.4E-07	0.0E+00	3.4E-07	1.59E-06	2	3.55E-04
offsite	592314.99	4141064.85	6.35648	0.29284	0.16511	0.45462	0.001650199	Residential	5.71E-07	1.72E-06	9.98E-07	9.05E-07	4.13E-07	3.69E-07	2.2E-08	5.4E-07	0.0E+00	6.0E-07	0.0E+00	3.1E-07	1.47E-06	1	3.30E-04
Phase5	590714.99	4141164.85	0.66605	0.89022	2.05619	0.89998	0.00136027	Daycare	1.12E-07	3.73E-07	1.99E-07	1.61E-07	7.45E-08	7.14E-08	4.4E-09	1.2E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.59E-07	0	2.72E-04
Phase5	590814.99	4141164.85	0.68612	1.08247	1.32866	0.80726	0.001185067	Daycare	9.77E-08	3.25E-07	1.73E-07	1.41E-07	6.49E-08	6.22E-08	3.8E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.39E-07	0	2.37E-04
Phase5	590914.99	4141164.85	0.73002	1.62278	1.02757	0.79118	0.001191429	Daycare	9.82E-08	3.26E-07	1.74E-07	1.41E-07	6.53E-08	6.26E-08	3.9E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.39E-07	0	2.38E-04
offsite	591014.99	4141164.85	0.78454	3.95294	0.81699	0.78597	0.001427759	Residential	4.94E-07	1.49E-06	8.64E-07	7.83E-07	3.57E-07	3.19E-07	1.9E-08	4.7E-07	0.0E+00	5.2E-07	0.0E+00	2.7E-07	1.28E-06	1	2.86E-04
Phase6	591114.99	4141164.85	0.82837	11.31349	0.67388	0.72279	0.002193737	Daycare	1.81E-07	6.01E-07	3.21E-07	2.60E-07	1.20E-07	1.15E-07	7.1E-09	1.9E-07	6.0E-08	0.0E+00	0.0E+00	0.0E+00	2.56E-07	0	4.39E-04
Phase6	591214.99	4141164.85	0.88623	2.90624	0.53448	0.69924	0.001204587	Daycare	9.93E-08	3.30E-07	1.76E-07	1.43E-07	6.60E-08	6.33E-08	3.9E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.41E-07	0	2.41E-04
Phase7	591314.99	4141164.85	0.93648	1.68259	0.44042	0.65306	0.001018407	Daycare	8.39E-08	2.79E-07	1.49E-07	1.21E-07	5.58E-08	5.35E-08	3.3E-09	8.8E-08	2.8E-08	0.0E+00	0.0E+00	0.0E+00	1.19E-07	0	2.04E-04
Phase8	591414.99	4141164.85	0.98925	1.17518	0.37019	0.63033	0.000938897	Daycare	7.74E-08	2.57E-07	1.37E-07	1.11E-07	5.14E-08	4.93E-08	3.0E-09	8.1E-08	2.6E-08	0.0E+00	0.0E+00	0.0E+00	1.10E-07	0	1.88E-04
Phase8	591514.99	4141164.85	1.07605	0.90795	0.31955	0.60262	0.000891815	Daycare	7.35E-08	2.44E-07	1.30E-07	1.06E-07	4.89E-08	4.68E-08	2.9E-09	7.7E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.04E-07	0	1.78E-04
Phase8	591614.99	4141164.85	1.19651	0.74458	0.28195	0.59838	0.000885816	Daycare	7.30E-08	2.43E-07	1.29E-07	1.05E-07	4.85E-08	4.65E-08	2.9E-09	7.6E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.04E-07	0	1.77E-04
path	591714.99	4141164.85	1.32593	0.6184	0.26693	0.58496	0.000881231	Parks/Paths	0.00E+00	3.14E-08	1.67E-08	1.36E-08	6.28E-09	6.02E-09	0.0E+00	9.9E-09	5.5E-09	0.0E+00	5.9E-10	0.0E+00	1.60E-08	0	1.76E-04
path	591814.99	4141164.85	1.51764	0.52094	0.23982	0.57369	0.000891477	Parks/Paths	0.00E+00	3.18E-08	1.69E-08	1.38E-08	6.35E-09	6.09E-09	0.0E+00	1.0E-08	5.6E-09	0.0E+00	6.0E-10	0.0E+00	1.62E-08	0	1.78E-04
offsite	591914.99	4141164.85	1.76524	0.4468	0.21761	0.56265	0.000915804	Residential	3.17E-07	9.57E-07	5.54E-07	5.02E-07	2.29E-07	2.05E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.18E-07	1	1.83E-04
offsite	592014.99	4141164.85	2.04461	0.38854	0.19887	0.55136	0.000948206	Residential	3.28E-07	9.91E-07	5.74E-07	5.20E-07	2.37E-07	2.12E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.47E-07	1	1.90E-04
offsite	592114.99	4141164.85	2.27258	0.34199	0.18303	0.54009	0.000972842	Residential	3.37E-07	1.02E-06	5.89E-07	5.34E-07	2.43E-07	2.17E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.8E-07	8.69E-07	1	1.95E-04
offsite	592214.99	4141164.85	2.18962	0.30421	0.1694	0.52879	0.000940803	Residential	3.26E-07	9.83E-07	5.69E-07	5.16E-07	2.35E-07	2.10E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.41E-07	1	1.88E-04
offsite	592314.99	4141164.85	1.60857	0.27322	0.15771	0.51642	0.000815982	Residential	2.82E-07	8.53E-07	4.94E-07	4.48E-07	2.04E-07	1.82E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.5E-07	7.29E-07	1	1.63E-04
offsite	590714.99	4141264.85	0.61468	1.05837	2.0248	1.28793	0.001709641	Residential	5.92E-07	1.79E-06	1.03E-06	9.38E-07	4.28E-07	3.82E-07	2.3E-08	5.6E-07	0.0E+00	6.2E-07	0.0E+00	3.2E-07	1.53E-06	2	3.42E-04
offsite	590814.99	4141264.85	0.65479	1.55973	1.39467	1.15212	0.001550874	Residential	5.37E-07	1.62E-06	9.38E-07	8.51E-07	3.88E-07	3.47E-07	2.1E-08	5.1E-07	0.0E+00	5.6E-07	0.0E+00	2.9E-07	1.39E-06	1	3.10E-04
offsite	590914.99	4141264.85	0.67348	2.36037	0.96176	1.04814	0.001482543	Residential	5.13E-07	1.55E-06	8.97E-07	8.13E-07	3.71E-07	3.31E-07	2.0E-08	4.9E-07	0.0E+00	5.4E-07	0.0E+00	2.8E-07	1.32E-06	1	2.97E-04
Phase6	591114.99	4141264.85	0.74824	4.34735	0.61261	0.88335	0.00151918	Daycare	1.25E-07	4.16E-07	2.22E-07	1.80E-07	8.32E-08	7.98E-08	4.9E-09	1.3E-07	4.2E-08	0.0E+00	0.0E+00	0.0E+00	1.78E-07	0	3.04E-04
offsite	591214.99	4141264.85	0.79777	2.0811	0.4763	0.8377	0.001207867	Residential	4.18E-07	1.26E-06	7.31E-07	6.63E-07	3.02E-07	2.70E-07	1.6E-08	4.0E-07	0.0E+00	4.4E-07	0.0E+00	2.3E-07	1.08E-06	1	2.42E-04
Phase6	591314.99	4141264.85	0.83815	1.37172	0.39583	0.76613	0.00105798	Daycare	8.72E-08	2.90E-07	1.55E-07	1.26E-07	5.80E-08	5.56E-08	3.4E-09	9.1E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.24E-07	0	2.12E-04
Phase6	591414.99	4141264.85	0.89158	1.02073	0.33682	0.72958	0.000985924	Daycare	8.13E-08	2.70E-07	1.44E-07	1.17E-07	5.40E-08	5.18E-08	3.2E-09	8.5E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.15E-07	0	1.97E-04
Phase8	591514.99	4141264.85	0.95529	0.81218	0.29437	0.71291	0.000952358	Daycare	7.85E-08	2.61E-07	1.39E-07	1.13E-07	5.22E-08	5.00E-08	3.1E-09	8.2E-08	2.6E-08	0.0E+00	0.0E+00	0.0E+00	1.11E-07	0	1.90E-04
path	591614.99	4141264.85	1.01647	0.66847	0.27815	0.7011	0.000934284	Parks/Paths	0.00E+00	3.33E-08	1.77E-08	1.44E-08	6.66E-09	6.38E-09	0.0E+00	1.0E-08	5.9E-09	0.0E+00	6.3E-10	0.0E+00	1.69E-08	0	1.87E-04
path	591714.99	4141264.85	1.10535	0.55716	0.2487	0.68547	0.000919515	Parks/Paths	0.00E+00	3.27E-08	1.75E-08	1.42E-08	6.55E-09	6.28E-09	0.0E+00	1.0E-08	5.8E-09	0.0E+00	6.2E-10	0.0E+00	1.67E-08	0	1.84E-04
offsite	591814.99	4141264.85	1.20513	0.47348	0.22457	0.67137	0.000912147	Residential	3.16E-07	9.53E-07	5.52E-07	5.00E-07	2.28E-07	2.04E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.15E-07	1	1.82E-04
offsite	591914.99	4141264.85	1.3004	0.40866	0.20454	0.65751	0.000906964	Residential	3.14E-07	9.48E-07	5.49E-07	4.97E-07	2.27E-07	2.03E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.11E-07	1	1.81E-04
offsite	592014.99	4141264.85	1.35823	0.35748	0.18781	0.64306	0.000896361	Residential	3.10E-07	9.37E-07	5.42E-07	4.92E-07	2.24E-07	2.00E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	8.01E-07	1	1.79E-04
offsite	592114.99	4141264.85	1.32263	0.31633	0.17351	0.62793	0.00086926	Residential	3.01E-07	9.09E-07	5.26E-07	4.77E-07	2.18E-07	1.94E-07	1.2E-08	2.9E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.77E-07	1	1.74E-04
offsite	592214.99	4141264.85	1.14392	0.2828	0.1612	0.61267	0.000816536	Residential	2.83E-07	8.53E-07	4.94E-07	4.48E-07	2.04E-07	1.82E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.5E-07	7.30E-07	1	1.63E-04
offsite	592314.99	4141264.85	0.86606	0.2551	0.15047	0.59552	0.000744556	Residential	2.58E-07	7.78E-07	4.51E-07	4.08E-07	1.86E-07	1.66E-07	1.0E-08	2.4E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.65E-07	1	1.49E-04
offsite	592414.99	4141264.85	0.62559	0.23188	0.14097	0.57329	0.000675744	Residential	2.34E-07	7.06E-07	4.09E-07	3.71E-07	1.69E-07	1.51E-07	9.2E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	6.04E-07	1	1.35E-04
Phase6	591014.99	4141364.85	0.65236	8.39915	0.6796	1.22889	0.002280312	Daycare	1.88E-07	6.25E-07	3.33E-07	2.71E-07	1.25E-07	1.20E-07	7.4E-09	2.0E-07	6.3E-08	0.0E+00	0.0E+00	0.0E+00	2.67E-07	0	4.56E-04
Phase6	591114.99	4141364.85	0.6702	2.37905	0.49166	1.07077	0.001427687	Daycare	1.18E-07	3.91E-07	2.09E-07	1.69E-07	7.82E-08	7.50E-08	4.6E-09	1.2E-07	3.9E-08	0.0E+00	0.0E+00	0.0E+00	1.67E-07	0	2.86E-04
Phase6	591214.99	4141364.85	0.70511	1.58532	0.40963	0.98857	0.00125748	Daycare	1.04E-07	3.45E-07	1.84E-07	1.49E-07	6.89E-08	6.60E-08	4.1E-09	1.1E-07	3.5E-08	0.0E+00	0.0E+00	0.0E+00	1.47E-07	0	2.51E-04
Phase6	591314.99	4141364.85	0.7409	1.14861	0.34711	0.92318	0.001146169	Daycare	9.45E-08	3.14E-07	1.67E-07	1.36E-07	6.28E-08	6.02E-08	3.7E-09	9.9E-08	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.34E-07	0	2.29E-04
Phase6	591414.99	4141364.85	0.79013	0.89426	0.30309	0.87162	0.001073415	Daycare	8.85E-08	2.94E-07	1.57E-07	1.27E-07	5.88E-08	5.64E-08	3.5E-09	9.2E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.25E-07	0	2.15E-04
Phase6	591514.99	4141364.85	0.82169	0.72991	0.28894	0.86575	0.001053086	Daycare	8.68E-08	2.89E-07	1.54E-07	1.25E-07	5.77E-08	5.53E-08	3.4E-09	9.1E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.23E-07	0	2.11E-04

Roadway HRA
Cumulative No Project

	AERMOD Output		Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC)		Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								
Discrete Receptor ID (Group Name)	X	Y					[ug/m^3] - SCALED	Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
path	591614.99	4141364.85	0.86752	0.5993	0.25697	0.8421	0.001020549	Parks/Paths	0.00E+00	3.63E-08	1.94E-08	1.58E-08	7.27E-09	6.97E-09	0.0E+00	1.1E-08	6.4E-09	0.0E+00	6.9E-10	0.0E+00	1.85E-08	0	2.04E-04
offsite	591714.99	4141364.85	0.91431	0.50354	0.2312	0.82312	0.000997317	Residential	3.45E-07	1.04E-06	6.03E-07	5.47E-07	2.50E-07	2.23E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.91E-07	1	1.99E-04
offsite	591814.99	4141364.85	0.95406	0.43077	0.21006	0.80569	0.000977518	Residential	3.38E-07	1.02E-06	5.91E-07	5.36E-07	2.45E-07	2.18E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.9E-07	8.74E-07	1	1.96E-04
offsite	591914.99	4141364.85	0.97257	0.37412	0.19233	0.78766	0.000955611	Residential	3.31E-07	9.99E-07	5.78E-07	5.24E-07	2.39E-07	2.14E-07	1.3E-08	3.1E-07	0.0E+00	3.5E-07	0.0E+00	1.8E-07	8.54E-07	1	1.91E-04
offsite	592014.99	4141364.85	0.95079	0.32912	0.1773	0.76807	0.000926566	Residential	3.21E-07	9.68E-07	5.61E-07	5.08E-07	2.32E-07	2.07E-07	1.3E-08	3.0E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.28E-07	1	1.85E-04
offsite	592114.99	4141364.85	0.87206	0.29278	0.16446	0.74714	0.000887046	Residential	3.07E-07	9.27E-07	5.37E-07	4.87E-07	2.22E-07	1.98E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.93E-07	1	1.77E-04
offsite	592214.99	4141364.85	0.7397	0.26302	0.15333	0.72574	0.000838131	Residential	2.90E-07	8.76E-07	5.07E-07	4.60E-07	2.10E-07	1.87E-07	1.1E-08	2.8E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.49E-07	1	1.68E-04
offsite	592314.99	4141364.85	0.58987	0.23837	0.14363	0.70099	0.000783792	Residential	2.71E-07	8.19E-07	4.74E-07	4.30E-07	1.96E-07	1.75E-07	1.1E-08	2.6E-07	0.0E+00	2.8E-07	0.0E+00	1.5E-07	7.00E-07	1	1.57E-04
offsite	592414.99	4141364.85	0.46652	0.2177	0.1351	0.66723	0.000727025	Residential	2.52E-07	7.60E-07	4.40E-07	3.99E-07	1.82E-07	1.62E-07	9.9E-09	2.4E-07	0.0E+00	2.6E-07	0.0E+00	1.4E-07	6.50E-07	1	1.45E-04
offsite	592514.99	4141364.85	0.38163	0.20008	0.12738	0.62195	0.000667669	Residential	2.31E-07	6.98E-07	4.04E-07	3.66E-07	1.67E-07	1.49E-07	9.1E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	5.97E-07	1	1.34E-04
Phase6	591014.99	4141464.85	0.59376	4.36886	0.53654	1.58524	0.002104497	Daycare	1.73E-07	5.77E-07	3.08E-07	2.50E-07	1.15E-07	1.11E-07	6.8E-09	1.8E-07	5.8E-08	0.0E+00	0.0E+00	0.0E+00	2.46E-07	0	4.21E-04
Phase6	591114.99	4141464.85	0.60882	2.00352	0.42083	1.36007	0.001619219	Daycare	1.33E-07	4.44E-07	2.37E-07	1.92E-07	8.87E-08	8.50E-08	5.2E-09	1.4E-07	4.5E-08	0.0E+00	0.0E+00	0.0E+00	1.89E-07	0	3.24E-04
Phase6	591214.99	4141464.85	0.63224	1.33263	0.35371	1.22311	0.001414579	Daycare	1.17E-07	3.88E-07	2.07E-07	1.68E-07	7.75E-08	7.43E-08	4.6E-09	1.2E-07	3.9E-08	0.0E+00	0.0E+00	0.0E+00	1.65E-07	0	2.83E-04
Phase6	591314.99	4141464.85	0.6678	1.00537	0.31023	1.14619	0.001308521	Daycare	1.08E-07	3.58E-07	1.91E-07	1.55E-07	7.17E-08	6.87E-08	4.2E-09	1.1E-07	3.6E-08	0.0E+00	0.0E+00	0.0E+00	1.53E-07	0	2.62E-04
Phase6	591414.99	4141464.85	0.69903	0.80706	0.29278	1.11843	0.001264268	Daycare	1.04E-07	3.46E-07	1.85E-07	1.50E-07	6.93E-08	6.64E-08	4.1E-09	1.1E-07	3.5E-08	0.0E+00	0.0E+00	0.0E+00	1.48E-07	0	2.53E-04
path	591514.99	4141464.85	0.71384	0.64925	0.26463	1.0815	0.001211664	Parks/Paths	0.00E+00	4.32E-08	2.30E-08	1.87E-08	8.63E-09	8.27E-09	0.0E+00	1.4E-08	7.6E-09	0.0E+00	8.1E-10	0.0E+00	2.20E-08	0	2.42E-04
offsite	591614.99	4141464.85	0.7375	0.53729	0.23742	1.05328	0.001173824	Residential	4.06E-07	1.23E-06	7.10E-07	6.44E-07	2.94E-07	2.62E-07	1.6E-08	3.9E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.05E-06	1	2.35E-04
offsite	591714.99	4141464.85	0.75438	0.45455	0.21466	1.02588	0.001139496	Residential	3.94E-07	1.19E-06	6.89E-07	6.25E-07	2.85E-07	2.55E-07	1.5E-08	3.7E-07	0.0E+00	4.1E-07	0.0E+00	2.2E-07	1.02E-06	1	2.28E-04
offsite	591814.99	4141464.85	0.76039	0.39183	0.19646	1.00272	0.00110993	Residential	3.84E-07	1.16E-06	6.72E-07	6.09E-07	2.78E-07	2.48E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.92E-07	1	2.22E-04
offsite	591914.99	4141464.85	0.74509	0.34243	0.18082	0.97755	0.001076532	Residential	3.73E-07	1.13E-06	6.51E-07	5.90E-07	2.69E-07	2.41E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.62E-07	1	2.15E-04
offsite	592014.99	4141464.85	0.70203	0.30304	0.16746	0.94994	0.001037296	Residential	3.59E-07	1.08E-06	6.28E-07	5.69E-07	2.60E-07	2.32E-07	1.4E-08	3.4E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.27E-07	1	2.07E-04
offsite	592114.99	4141464.85	0.62988	0.27108	0.15596	0.91933	0.000991114	Residential	3.43E-07	1.04E-06	6.00E-07	5.44E-07	2.48E-07	2.21E-07	1.3E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.86E-07	1	1.98E-04
offsite	592214.99	4141464.85	0.53861	0.2448	0.14596	0.88739	0.000941072	Residential	3.26E-07	9.84E-07	5.69E-07	5.16E-07	2.36E-07	2.10E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.41E-07	1	1.88E-04
offsite	592314.99	4141464.85	0.44764	0.22292	0.13718	0.84919	0.00088622	Residential	3.07E-07	9.26E-07	5.36E-07	4.86E-07	2.22E-07	1.98E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.92E-07	1	1.77E-04
offsite	592414.99	4141464.85	0.37294	0.20445	0.12934	0.79432	0.000820122	Residential	2.84E-07	8.57E-07	4.96E-07	4.50E-07	2.05E-07	1.83E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.33E-07	1	1.64E-04
Phase6	591214.99	4141564.85	0.57827	1.16519	0.31875	1.64789	0.001757458	Daycare	1.45E-07	4.81E-07	2.57E-07	2.09E-07	9.63E-08	9.23E-08	5.7E-09	1.5E-07	4.8E-08	0.0E+00	0.0E+00	0.0E+00	2.05E-07	0	3.51E-04
Phase6	591314.99	4141564.85	0.59799	0.88841	0.28872	1.55366	0.001640985	Daycare	1.35E-07	4.50E-07	2.40E-07	1.95E-07	8.99E-08	8.62E-08	5.3E-09	1.4E-07	4.5E-08	0.0E+00	0.0E+00	0.0E+00	1.92E-07	0	3.28E-04
path	591414.99	4141564.85	0.60732	0.70773	0.27123	1.49882	0.001570568	Parks/Paths	0.00E+00	5.59E-08	2.98E-08	2.42E-08	1.12E-08	1.07E-08	0.0E+00	1.8E-08	9.8E-09	0.0E+00	1.1E-09	0.0E+00	2.85E-08	0	3.14E-04
path	591514.99	4141564.85	0.61934	0.5753	0.24262	1.44634	0.00150643	Parks/Paths	0.00E+00	5.37E-08	2.86E-08	2.32E-08	1.07E-08	1.03E-08	0.0E+00	1.7E-08	9.4E-09	0.0E+00	1.0E-09	0.0E+00	2.73E-08	0	3.01E-04
offsite	591614.99	4141564.85	0.62621	0.4803	0.21897	1.40156	0.001453242	Residential	5.03E-07	1.52E-06	8.79E-07	7.97E-07	3.64E-07	3.25E-07	2.0E-08	4.8E-07	0.0E+00	5.3E-07	0.0E+00	2.8E-07	1.30E-06	1	2.91E-04
offsite	591714.99	4141564.85	0.62611	0.40997	0.19973	1.36215	0.001407053	Residential	4.87E-07	1.47E-06	8.51E-07	7.72E-07	3.52E-07	3.14E-07	1.9E-08	4.6E-07	0.0E+00	5.1E-07	0.0E+00	2.7E-07	1.26E-06	1	2.81E-04
offsite	591814.99	4141564.85	0.61439	0.3559	0.1836	1.32123	0.001359708	Residential	4.71E-07	1.42E-06	8.23E-07	7.46E-07	3.40E-07	3.04E-07	1.8E-08	4.5E-07	0.0E+00	4.9E-07	0.0E+00	2.6E-07	1.22E-06	1	2.72E-04
offsite	591914.99	4141564.85	0.58721	0.31319	0.16981	1.28259	0.00131318	Residential	4.55E-07	1.37E-06	7.95E-07	7.20E-07	3.29E-07	2.93E-07	1.8E-08	4.3E-07	0.0E+00	4.8E-07	0.0E+00	2.5E-07	1.17E-06	1	2.63E-04
offsite	592014.99	4141564.85	0.54334	0.27891	0.15798	1.24104	0.001262229	Residential	4.37E-07	1.32E-06	7.64E-07	6.92E-07	3.16E-07	2.82E-07	1.7E-08	4.1E-07	0.0E+00	4.6E-07	0.0E+00	2.4E-07	1.13E-06	1	2.52E-04
offsite	592114.99	4141564.85	0.48553	0.25101	0.14776	1.19206	0.001203059	Residential	4.16E-07	1.26E-06	7.28E-07	6.60E-07	3.01E-07	2.69E-07	1.6E-08	4.0E-07	0.0E+00	4.4E-07	0.0E+00	2.3E-07	1.08E-06	1	2.41E-04
offsite	592214.99	4141564.85	0.42137	0.22786	0.13875	1.14124	0.001141805	Residential	3.95E-07	1.19E-06	6.91E-07	6.26E-07	2.86E-07	2.55E-07	1.6E-08	3.8E-07	0.0E+00	4.1E-07	0.0E+00	2.2E-07	1.02E-06	1	2.28E-04
offsite	592314.99	4141564.85	0.36115	0.20876	0.13108	1.07543	0.001068637	Residential	3.70E-07	1.12E-06	6.47E-07	5.86E-07	2.67E-07	2.39E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.55E-07	1	2.14E-04
path	591414.99	4141664.85	0.53541	0.61467	0.24655	2.28387	0.002240558	Parks/Paths	0.00E+00	7.98E-08	4.26E-08	3.46E-08	1.60E-08	1.53E-08	0.0E+00	2.5E-08	1.4E-08	0.0E+00	1.5E-09	0.0E+00	4.06E-08	0	4.48E-04
offsite	591514.99	4141664.85	0.5376	0.50627	0.22254	2.19125	0.002142378	Residential	7.42E-07	2.24E-06	1.30E-06	1.18E-06	5.36E-07	4.79E-07	2.9E-08	7.0E-07	0.0E+00	7.8E-07	0.0E+00	4.1E-07	1.91E-06	2	4.28E-04
offsite	591614.99	4141664.85	0.53452	0.42778	0.2026	2.10526	0.002053176	Residential	7.11E-07	2.15E-06	1.24E-06	1.13E-06	5.14E-07	4.59E-07	2.8E-08	6.7E-07	0.0E+00	7.4E-07	0.0E+00	3.9E-07	1.83E-06	2	4.11E-04
offsite	591714.99	4141664.85	0.52484	0.369	0.18613	2.02579	0.001971345	Residential	6.82E-07	2.06E-06	1.19E-06	1.08E-06	4.93E-07	4.40E-07	2.7E-08	6.5E-07	0.0E+00	7.1E-07	0.0E+00	3.7E-07	1.76E-06	2	3.94E-04
offsite	591814.99	4141664.85	0.50587	0.32322	0.17209	1.94166	0.001885512	Residential	6.53E-07	1.97E-06	1.14E-06	1.03E-06	4.72E-07	4.21E-07	2.6E-08	6.2E-07	0.0E+00	6.8E-07	0.0E+00	3.6E-07	1.69E-06	2	3.77E-04
offsite	591914.99	4141664.85	0.47659	0.28676	0.16001	1.87254	0.001812481	Residential	6.27E-07	1.89E-06	1.10E-06	9.94E-07	4.54E-07	4.05E-07	2.5E-08	6.0E-07	0.0E+00	6.6E-07	0.0E+00	3.4E-07	1.62E-06	2	3.62E-04
offsite	592014.99	4141664.85	0.43778	0.25726	0.14957	1.79155	0.001728177	Residential	5.98E-07	1.81E-06	1.05E-06	9.48E-07	4.33E-07	3.86E-07	2.4E-08	5.7E-07	0.0E+00	6.3E-07	0.0E+00	3.3E-07	1.54E-06	2	3.46E-04
offsite	592114.99	4141664.85	0.39242	0.23296	0.1404	1.69403	0.001628751	Residential	5.64E-07	1.70E-06	9.86E-07	8.93E-07	4.08E-07	3.64E-07	2.2E-08	5.4E-07	0.0E+00	5.9E-07	0.0E+00	3.1E-07	1.46E-06	1	3.26E-04
offsite	592214.99	4141664.85	0.34576	0.21273	0.13234	1.6061	0.001538254	Residential	5.32E-07	1.61E-06	9.31E-07	8.44E-07	3.85E-07	3.44E-07	2.1E-08	5.1E-07	0.0E+00	5.6E-07	0.0E+00	2.9E-07	1.37E-06	1	3.08E-04
path	591314.99	4141764.85	0.47356	0.65291	0.24907	5.44263	0.005042306	Parks/Paths	0.00E+00	1.80E-07	9.58E-08	7.78E-08	3.59E-08	3.44E-08	0.0E+00	5.6E-08	3.2E-08	0.0E+00	3.4E-09	0.0E+00	9.14E-08	0	1.01E-03
offsite	591414.99	4141764.85	0.47333	0.53016	0.22519	5.02672	0.004654619	Residential	1.61E-06	4.87E-06	2.82E-06	2.55E-06	1.16E-06	1.04E-06	6.3E-08	1.5E-06	0.0E+00	1.7E-06	0.0E+00	8.8E-07	4.16E-06	4	9.31E-04
offsite	591514.99	4141764.85	0.4688	0.44419	0.20485	4.57176	0.00423617	Residential	1.47E-06	4.43E-06	2.56E-06	2.32E-06	1.06E-06	9.46E-07	5.8E-08	1.4E-06	0.0E+00	1.5E-06	0.0E+00	8.0E-07	3.79E-06	4	8.47E-04
offsite	591614.99	4141764.85	0.46018	0.38078	0.18812	4.24575	0.003934764	Residential	1.36E-06	4.11E-06	2.38E-06	2.16E-06	9.85E-07	8.79E-07	5.4E-08	1.3E-06	0.0E+00	1.4E-06	0.0E+00	7.5E-07	3.52E-06	4	7.87E-04
offsite	591714.99	4141764.85	0.44588	0.33224	0.17399	3.95624	0.003666866	Residential	1.27E-06	3.83E-06	2.22E-06	2.01E-06	9.18E-07	8.19E-07	5.0E-08	1.2E-06	0.0E+00	1.3E-06	0.0E+00	7.0E-07	3.28E-06	3	7.33E-04
offsite	591814.99	4141764.85	0.42464	0.29372	0.16165	3.68341	0.003413935	Residential	1.18E-06	3.57E-06	2.07E-06	1.87E-06	8.54E-07	7.63E-07	4.6E-08	1.1E-06	0.0E+00	1.2E-06	0.0E+00	6.5E-07	3.05E-06	3	6.83E-04
offsite	591914.99	4141764.85	0.39716	0.26294	0.15114	3.47562	0.003218846	Residential	1.11E-06	3.36E-06	1.95E-06	1.77E-06	8.06E-07	7.19E-07	4.4E-08	1.1E-06	0.0E+00	1.2E-06	0.0E+00	6.1E-07	2.88E-06	3	6.44E-04
offsite	592014.99	4141764.85	0.36422	0.23764	0.14187	3.1915	0.002955697	Residential	1.02E-06	3.09E-06	1.79E-06	1.62E-06	7.40E-07	6.60E-07	4.0E-08	9.7E-07	0.0E+00	1.1E-06	0.0E+00	5.6E-07	2.64E-06	3	5.91E-04
offsite	592114.99	4141764.85	0.32852	0.21663	0.13369	2.93711	0.002719132	Residential	9.41E-07	2.84E-06	1.65E-06	1.49E-06	6.81E-07	6.08E-07	3.7E-08	8.9E-07	0.0E+00	9.8E-07	0.0E+00	5.2E-07	2.43E-06	2	5.44E-04
offsite	590914.99	4141964.85	0.38994	1.38121	0.30994	2.67044	0.002654636	Residential	9.19E-07	2.77E-06	1.61E-06	1.46E-06	6.64E-07	5.93E-07	3.6E-08	8.7E-07	0.0E+00	9.6E-07	0.0E+00	5.0E-07	2.37E-06	2	5.31E-04
path	591214.99	4141964.85	0.38632	0.56095	0.2255	3.91723	0.003655467	Parks/Paths	0.00E+00	1.30E-07	6.94E-08	5.64E-08	2.60E-08	2.50E-08	0.0E+00	4.1E-08	2.3E-08	0.0E+00	2.5E-09	0.0E+00	6.63E-08	0	7.31E-04
path	591314.99	4141964.85	0.3819	0.46555	0.20648	4.17259	0.003867743	Parks/Paths	0.00E+00	1.38E-07	7.35E-08	5.97E-08	2.76E-08	2.64E-08	0.0E+00	4.3E-08	2.4E-08	0.0E+00	2.6E-09	0.0E+00	7.01E-08	0	7.74E-04
offsite	590814.99	4142064.85	0.36178	1.35808	0.30615	1.7833	0.001857359	Residential	6.43E-07	1.94E-06	1.12E-06	1.02E-06	4.65E-07	4.15E-07	2.5E-08	6.1E-07	0.0E+00	6.7E-07	0.0E+00	3.5E-07	1.66E-06	2	3.71E-04
offsite	590914.99	4142064.85	0.3613	0.9324	0.27351	1.9813	0.001979584	Residential	6.85E-07	2.07E-06	1.20E-06	1.09E-06	4.95E-07	4.42E-07	2.7E-08	6.5E-07	0.0E+00	7.2E-07	0.0E+00	3.8E-07	1.77E-06	2	3.96E-04
offsite	591014.99	4142064.85	0.35964	0.70185	0.24679	2.17745	0.002123103	Residential	7.35E-07	2.22E-06	1.28E-06	1.16E-06	5.31E-07	4.74E-07	2.9E-08	7.0E-07	0.0E+00	7.7E-07	0.0E+00	4.0E-07	1.90E-06	2	4.25E-04
path	591114.99	4142064.85	0.35626	0.56144	0.22436	2.33172	0.002240016	Parks/Paths	0.00E+00	7.98E-08	4.26E-08	3.46E-08	1.60E-08	1.53E-08	0.0E+00	2.5E-08	1.4E-08	0.0E+00	1.5E-09	0.0E+00	4.06E-08	0	4.48E-04
path	591214.99	4142064.85	0.35158	0.46697	0.20562	2.44309	0.00232437	Parks/Paths	0.00E+00	8.28E-08	4.42E-08	3.59E-08	1.66E-08	1.59E-08	0.0E+00	2.6E-08	1.5E-08	0.0E+00	1.6E-09	0.0E+00	4.21E-08	0	4.65E-04
offsite	590714.99	4142164.85	0.33841	1.17124	0.30201	1.34291	0.001439511	Residential	4.98E-07	1.50E-06	8.71E-07	7.90E-07	3.60E-07	3.22E-07	2.0E-08	4.7E-07	0.0E+00	5.2E-07	0.0E+00	2.7E-07	1.29E-06	1	2.88E-04
offsite	590814.99	4142164.85	0.33729	0.87484	0.27057	1.45247	0.001497884	Residential	5.19E-07	1.57E-06	9.06E-07	8.22E-07	3.75E-07	3.35E-07	2.0E-08	4.9E-07	0.0E+00	5.4E-07	0.0E+00	2.8E-07	1.34E-06	1	3.00E-04
path	590914.99	4142164.85	0.33536	0.67932	0.24475	1.56154	0.001568059	Parks/Paths	0.00E+00	5.58E-08	2.98E-08	2.42E-08	1.12E-08	1.07E-08	0.0E+00	1.8E-08	9.8E-09	0.0E+00	1.1E-09	0.0E+00	2.84E-08	0	3.14E-04
path	591014.99	4142164.85	0.33174	0.551	0.22298	1.65416	0.001631596	Parks/Paths	0.00E+00	5.81E-08	3.10E-08	2.52E-08	1.16E-08	1.11E-08	0.0E+00	1.8E-08	1.0E-08	0.0E+00	1.1E-09	0.0E+00	2.96E-08	0	3.26E-04
path	591114.99	4142164.85	0.32716	0.46136	0.20464	1.7279	0.001683124	Parks/Paths	0.00E+00	5.99E-08	3.20E-08	2.60E-08	1.20E-08	1.15E-08	0.0E+00	1.9E-08	1.1E-08	0.0E+00	1.1E-09	0.0E+00	3.05E-08	0	3.37E-04
path	590414.99	4142264.85	0.3178	0.96269	0.37455	0.93595	0.001061909	Parks/Paths	0.00E+00	3.78E-08	2.02E-08	1.64E-08	7.56E-09	7.25E-09	0.0E+00	1.2E-08	6.7E-09	0.0E+00	7.1E-10	0.0E+00	1.93E-08	0	2.12E-04
path	590514.99	4142264.85	0.3181	1.03964	0.33348	1.00296	0.001123616	Parks/Paths	0.00E+00	4.00E-08	2.13E-08	1.73E-08	8.00E-09	7.67E-09	0.0E+00	1.3E-08	7.0E-09	0.0E+00	7.5E-10	0.0E+00	2.04E-08	0	2.25E-04
path	590614.99	4142264.85	0.31781	0.95892	0.29731	1.07278	0.001170574	Parks/Paths	0.00E+00	4.17E-08	2.22E-08	1.81E-08	8.34E-09	7.99E-09	0.0E+00	1.3E-08	7.3E-09	0.0E+00	7.9E-10	0.0E+00	2.12E-08	0	2.34E-04
path	590714.99	4142264.85	0.31648	0.7875	0.26711	1.14326	0.001208578	Parks/Paths	0.00E+00	4.30E-08	2.30E-08	1.87E-08	8.61E-09	8.25E-09	0.0E+00	1.4E-08	7.6E-09	0.0E+00	8.1E-10	0.0E+00	2.19E-08	0	2.42E-04
path	590814.99	4142264.85	0.31438	0.64198	0.2422	1.21224	0.001248912	Parks/Paths	0.00E+00	4.45E-08	2.37E-08	1.93E-08	8.90E-09	8.53E-09	0.0E+00	1.4E-08	7.8E-09	0.0E+00	8.4E-10	0.0E+00	2.26E-08	0	2.50E-04
path	590914.99	4142264.85	0.31155	0.53248	0.22158	1.27614	0.001289388	Parks/Paths	0.00E+00	4.59E-08	2.45E-08	1.99E-08	9.18E-09	8.80E-09	0.0E+00	1.4E-08	8.1E-09	0.0E+00	8.7E-10	0.0E+00	2.34E-08	0	2.58E-04
path	591014.99	4142264.85	0.3074	0.45069	0.20382	1.32896	0.001323384	Parks/Paths	0.00E+00	4.71E-08	2.51E-08	2.04E-08	9.43E-09	9.03E-09	0.0E+00	1.5E-08	8.3E-09	0.0E+00	8.9E-10	0.0E+00	2.40E-08	0	2.65E-04
school	591514.99	4142364.85	0.2429	0.2257	0.13601	1.11022	0.001080239	School	0.00E+00	1.60E-07	8.52E-08	6.93E-08	3.20E-08	3.06E-08	0.0E+00	0.0E+00	2.8E-08	6.5E-09	0.0E+00	0.0E+00	3.47E-08	0	2.16E-04
park	591214.99	4142464.85	0.2513	0.26849	0.15287	0.93896	0.000937145	Parks/Paths	0.00E+00	3.34E-08	1.78E-08	1.45E-08	6.68E-09	6.40E-09	0.0E+00	1.0E-08	5.9E-09	0.0E+00	6.3E-10	0.0E+00	1.70E-08	0	1.87E-04
park	591314.99	4142464.85	0.24255	0.2446	0.14376	0.93118	0.000924396	Parks/Paths	0.00E+00	3.29E-08	1.76E-08	1.43E-08	6.58E-09	6.31E-09	0.0E+00	1.0E-08	5.8E-09	0.0E+00	6.2E-10	0.0E+00	1.68E-08	0	1.85E-04
school	591414.99	4142464.85	0.23359	0.2246	0.136	0.91495	0.000904756	School	0.00E+00	1.34E-07	7.14E-08	5.80E-08	2.68E-08	2.57E-08	0.0E+00	0.0E+00	2.4E-08	5.5E-09	0.0E+00	0.0E+00	2.90E-08	0	1.81E-04
path	590414.99	4142564.85	0.27149	0.5079	0.25672	0.69117	0.000764726	Parks/Paths	0.00E+00	2.72E-08	1.45E-08	1.18E-08	5.45E-09	5.22E-09	0.0E+00	8.6E-09	4.8E-09	0.0E+00	5.1E-10	0.0E+00	1.39E-08	0	1.53E-04
offsite	590914.99	4142564.85	0.25287	0.32319	0.17319	0.79032	0.000814807	Residential	2.82E-07	8.52E-07	4.93E-07	4.47E-07	2.04E-07	1.82E-07	1.1E-08	2.7E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.28E-07	1	1.63E-04
offsite	591014.99	4142564.85	0.24778	0.29208	0.16268	0.79753	0.00081502	Residential	2.82E-07	8.52E-07	4.93E-07	4.47E-07	2.04E-07	1.82E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.5E-07	7.28E-07	1	1.63E-04
offsite	591114.99	4142564.85	0.24122	0.26531	0.15298	0.7976	0.000809235	Residential	2.80E-07	8.46E-07	4.90E-07	4.44E-07	2.03E-07	1.81E-07	1.1E-08	2.7E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.23E-07	1	1.62E-04
park	591214.99	4142564.85	0.23304	0.242	0.14374	0.78962	0.000796459	Parks/Paths	0.00E+00	2.84E-08	1.51E-08	1.23E-08	5.67E-09	5.44E-09	0.0E+00	8.9E-09	5.0E-09	0.0E+00	5.3E-10	0.0E+00	1.44E-08	0	1.59E-04
park	591314.99	4142564.85	0.22503	0.22274	0.13596	0.77542	0.000778882	Parks/Paths	0.00E+00	2.77E-08	1.48E-08	1.20E-08	5.55E-09	5.32E-09	0.0E+00	8.7E-09	4.9E-09	0.0E+00	5.2E-10	0.0E+00	1.41E-08	0	1.56E-04
school	591414.99	4142564.85	0.21631	0.20601	0.12896	0.75252	0.000753852	School	0.00E+00	1.12E-07	5.95E-08	4.83E-08	2.23E-08	2.14E-08	0.0E+00	0.0E+00	2.0E-08	4.6E-09	0.0E+00	0.0E+00	2.42E-08	0	1.51E-04
path	590314.99	4142664.85	0.25944	0.44505	0.25161	0.60893	0.000681376	Parks/Paths	0.00E+00	2.43E-08	1.29E-08	1.05E-08	4.85E-09	4.65E-09	0.0E+00	7.6E-09	4.3E-09	0.0E+00	4.6E-10	0.0E+00	1.24E-08	0	1.36E-04

Roadway HRA
Cumulative No Project

	AERMOD Output								Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	**CHRONIC HAZARD QUOTIENT**
offsite	590514.99	4142664.85	0.25404	0.41007	0.21451	0.6475	0.000704647	Residential	2.44E-07	7.37E-07	4.26E-07	3.86E-07	1.76E-07	1.57E-07	9.6E-09	2.3E-07	0.0E+00	2.6E-07	0.0E+00	1.3E-07	6.30E-07	1	1.41E-04
offsite	590614.99	4142664.85	0.25068	0.37983	0.19855	0.66356	0.000712263	Residential	2.47E-07	7.44E-07	4.31E-07	3.91E-07	1.78E-07	1.59E-07	9.7E-09	2.3E-07	0.0E+00	2.6E-07	0.0E+00	1.4E-07	6.37E-07	1	1.42E-04
offsite	590714.99	4142664.85	0.24699	0.34707	0.1848	0.67681	0.000717392	Residential	2.48E-07	7.50E-07	4.34E-07	3.93E-07	1.80E-07	1.60E-07	9.8E-09	2.4E-07	0.0E+00	2.6E-07	0.0E+00	1.4E-07	6.41E-07	1	1.43E-04
offsite	590814.99	4142664.85	0.24273	0.31547	0.17281	0.68629	0.00071948	Residential	2.49E-07	7.52E-07	4.35E-07	3.95E-07	1.80E-07	1.61E-07	9.8E-09	2.4E-07	0.0E+00	2.6E-07	0.0E+00	1.4E-07	6.43E-07	1	1.44E-04
offsite	590914.99	4142664.85	0.23784	0.28696	0.16229	0.69129	0.000718059	Residential	2.49E-07	7.51E-07	4.34E-07	3.94E-07	1.80E-07	1.60E-07	9.8E-09	2.4E-07	0.0E+00	2.6E-07	0.0E+00	1.4E-07	6.42E-07	1	1.44E-04
offsite	591014.99	4142664.85	0.23171	0.26156	0.1526	0.69051	0.000711756	Residential	2.46E-07	7.44E-07	4.31E-07	3.90E-07	1.78E-07	1.59E-07	9.7E-09	2.3E-07	0.0E+00	2.6E-07	0.0E+00	1.3E-07	6.36E-07	1	1.42E-04
park	591214.99	4142664.85	0.21754	0.22082	0.13608	0.67184	0.000685191	Parks/Paths	0.00E+00	2.44E-08	1.30E-08	1.06E-08	4.88E-09	4.68E-09	0.0E+00	7.7E-09	4.3E-09	0.0E+00	4.6E-10	0.0E+00	1.24E-08	0	1.37E-04
path	590314.99	4142764.85	0.24731	0.39154	0.22971	0.56168	0.000627452	Parks/Paths	0.00E+00	2.23E-08	1.19E-08	9.68E-09	4.47E-09	4.28E-09	0.0E+00	7.0E-09	3.9E-09	0.0E+00	4.2E-10	0.0E+00	1.14E-08	0	1.25E-04
offsite	590514.99	4142764.85	0.24083	0.35663	0.19765	0.58801	0.000640467	Residential	2.22E-07	6.69E-07	3.88E-07	3.51E-07	1.60E-07	1.43E-07	8.7E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.72E-07	1	1.28E-04
offsite	590614.99	4142764.85	0.23728	0.33195	0.18406	0.59817	0.000643819	Residential	2.23E-07	6.73E-07	3.90E-07	3.53E-07	1.61E-07	1.44E-07	8.8E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.75E-07	1	1.29E-04
offsite	590714.99	4142764.85	0.23333	0.30603	0.17223	0.60541	0.000644646	Residential	2.23E-07	6.74E-07	3.90E-07	3.54E-07	1.61E-07	1.44E-07	8.8E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.76E-07	1	1.29E-04
offsite	590814.99	4142764.85	0.22849	0.28069	0.16162	0.60864	0.000642007	Residential	2.22E-07	6.71E-07	3.88E-07	3.52E-07	1.61E-07	1.43E-07	8.7E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.74E-07	1	1.28E-04
offsite	590914.99	4142764.85	0.2232	0.25764	0.15227	0.6079	0.000636218	Residential	2.20E-07	6.65E-07	3.85E-07	3.49E-07	1.59E-07	1.42E-07	8.7E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.69E-07	1	1.27E-04
offsite	591014.99	4142764.85	0.21717	0.23696	0.14378	0.60243	0.000626496	Residential	2.17E-07	6.55E-07	3.79E-07	3.44E-07	1.57E-07	1.40E-07	8.5E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.60E-07	1	1.25E-04
offsite	591114.99	4142764.85	0.21088	0.21906	0.13628	0.59243	0.000613175	Residential	2.12E-07	6.41E-07	3.71E-07	3.36E-07	1.53E-07	1.37E-07	8.3E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.48E-07	1	1.23E-04
park	591239.54	4140294.63	8.68408	1.04294	0.6985	0.17813	0.002010694	Parks/Paths	0.00E+00	7.16E-08	3.82E-08	3.10E-08	1.43E-08	1.37E-08	0.0E+00	2.3E-08	1.3E-08	0.0E+00	1.4E-09	0.0E+00	3.65E-08	0	4.02E-04
park	591338.72	4140348.36	8.10935	1.70094	0.60488	0.1989	0.001981559	Parks/Paths	0.00E+00	7.06E-08	3.76E-08	3.06E-08	1.41E-08	1.35E-08	0.0E+00	2.2E-08	1.2E-08	0.0E+00	1.3E-09	0.0E+00	3.59E-08	0	3.96E-04
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.00096044	Daycare	7.92E-08	2.63E-07	1.40E-07	1.14E-07	5.26E-08	5.04E-08	3.1E-09	8.3E-08	2.6E-08	0.0E+00	0.0E+00	0.0E+00	1.12E-07	0	1.92E-04
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.00108783	Daycare	8.97E-08	2.98E-07	1.59E-07	1.29E-07	5.96E-08	5.71E-08	3.5E-09	9.4E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.27E-07	0	4.82E-04
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.001390018	Daycare	1.15E-07	3.81E-07	2.03E-07	1.65E-07	7.62E-08	7.30E-08	4.5E-09	1.2E-07	3.8E-08	0.0E+00	0.0E+00	0.0E+00	1.62E-07	0	6.13E-04
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.00253026	Daycare	2.09E-07	6.93E-07	3.70E-07	3.00E-07	1.39E-07	1.33E-07	8.2E-09	2.2E-07	7.0E-08	0.0E+00	0.0E+00	0.0E+00	2.96E-07	0	1.11E-03
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.000830154	Daycare	6.84E-08	2.27E-07	1.21E-07	9.86E-08	4.55E-08	4.36E-08	2.7E-09	7.1E-08	2.3E-08	0.0E+00	0.0E+00	0.0E+00	9.70E-08	0	3.73E-04
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.00083725	Daycare	6.90E-08	2.29E-07	1.22E-07	9.94E-08	4.59E-08	4.40E-08	2.7E-09	7.2E-08	2.3E-08	0.0E+00	0.0E+00	0.0E+00	9.79E-08	0	3.73E-04
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.000886482	Daycare	7.31E-08	2.43E-07	1.30E-07	1.05E-07	4.86E-08	4.66E-08	2.9E-09	7.6E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.04E-07	0	3.94E-04
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.001001165	Daycare	8.25E-08	2.74E-07	1.46E-07	1.19E-07	5.49E-08	5.26E-08	3.2E-09	8.6E-08	2.8E-08	0.0E+00	0.0E+00	0.0E+00	1.17E-07	0	4.44E-04
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.001205737	Daycare	9.94E-08	3.30E-07	1.76E-07	1.43E-07	6.61E-08	6.33E-08	3.9E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.41E-07	0	5.37E-04
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.001662612	Daycare	1.37E-07	4.56E-07	2.43E-07	1.97E-07	9.11E-08	8.73E-08	5.4E-09	1.4E-07	4.6E-08	0.0E+00	0.0E+00	0.0E+00	1.94E-07	0	7.45E-04
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.001064223	Daycare	8.77E-08	2.92E-07	1.56E-07	1.26E-07	5.83E-08	5.59E-08	3.4E-09	9.2E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.24E-07	0	4.92E-04
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.000859178	Daycare	7.08E-08	2.35E-07	1.26E-07	1.02E-07	4.71E-08	4.51E-08	2.8E-09	7.4E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.00E-07	0	3.90E-04
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.000800368	Daycare	6.60E-08	2.19E-07	1.17E-07	9.50E-08	4.39E-08	4.20E-08	2.6E-09	6.9E-08	2.2E-08	0.0E+00	0.0E+00	0.0E+00	9.36E-08	0	3.59E-04
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.000795351	Daycare	6.56E-08	2.18E-07	1.16E-07	9.44E-08	4.36E-08	4.18E-08	2.6E-09	6.8E-08	2.2E-08	0.0E+00	0.0E+00	0.0E+00	9.30E-08	0	3.54E-04
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.000819987	Daycare	6.76E-08	2.25E-07	1.20E-07	9.74E-08	4.49E-08	4.31E-08	2.7E-09	7.1E-08	2.3E-08	0.0E+00	0.0E+00	0.0E+00	9.59E-08	0	3.64E-04
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.000889016	Daycare	7.33E-08	2.44E-07	1.30E-07	1.06E-07	4.87E-08	4.67E-08	2.9E-09	7.7E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.04E-07	0	3.96E-04
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.001010404	Daycare	8.33E-08	2.77E-07	1.48E-07	1.20E-07	5.54E-08	5.31E-08	3.3E-09	8.7E-08	2.8E-08	0.0E+00	0.0E+00	0.0E+00	1.18E-07	0	4.54E-04
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.001287937	Daycare	1.06E-07	3.53E-07	1.88E-07	1.53E-07	7.06E-08	6.76E-08	4.2E-09	1.1E-07	3.5E-08	0.0E+00	0.0E+00	0.0E+00	1.51E-07	0	5.95E-04
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.002303366	Daycare	1.90E-07	6.31E-07	3.37E-07	2.73E-07	1.26E-07	1.21E-07	7.5E-09	2.0E-07	6.3E-08	0.0E+00	0.0E+00	0.0E+00	2.69E-07	0	1.10E-03
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.001065294	Daycare	8.78E-08	2.92E-07	1.56E-07	1.26E-07	5.84E-08	5.59E-08	3.4E-09	9.2E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.25E-07	0	4.91E-04
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.000863388	Daycare	7.12E-08	2.37E-07	1.26E-07	1.03E-07	4.73E-08	4.53E-08	2.8E-09	7.4E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.01E-07	0	3.90E-04
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.000805086	Daycare	6.64E-08	2.21E-07	1.18E-07	9.56E-08	4.41E-08	4.23E-08	2.6E-09	6.9E-08	2.2E-08	0.0E+00	0.0E+00	0.0E+00	9.41E-08	0	3.59E-04
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.000792648	Daycare	6.53E-08	2.17E-07	1.16E-07	9.41E-08	4.34E-08	4.16E-08	2.6E-09	6.8E-08	2.2E-08	0.0E+00	0.0E+00	0.0E+00	9.27E-08	0	3.51E-04
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.000810947	Daycare	6.68E-08	2.22E-07	1.18E-07	9.63E-08	4.44E-08	4.26E-08	2.6E-09	7.0E-08	2.2E-08	0.0E+00	0.0E+00	0.0E+00	9.48E-08	0	3.59E-04
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.000870127	Daycare	7.17E-08	2.38E-07	1.27E-07	1.03E-07	4.77E-08	4.57E-08	2.8E-09	7.5E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.02E-07	0	3.88E-04
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.000994061	Daycare	8.19E-08	2.72E-07	1.45E-07	1.18E-07	5.45E-08	5.22E-08	3.2E-09	8.6E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.16E-07	0	4.53E-04
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.002347346	Daycare	1.93E-07	6.43E-07	3.43E-07	2.79E-07	1.29E-07	1.23E-07	7.6E-09	2.0E-07	6.5E-08	0.0E+00	0.0E+00	0.0E+00	2.74E-07	0	1.12E-03
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.001097731	Daycare	9.05E-08	3.01E-07	1.60E-07	1.30E-07	6.01E-08	5.76E-08	3.6E-09	9.5E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.28E-07	0	5.02E-04
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.000897928	Daycare	7.40E-08	2.46E-07	1.31E-07	1.07E-07	4.92E-08	4.72E-08	2.9E-09	7.7E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.05E-07	0	4.02E-04
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.000834788	Daycare	6.88E-08	2.29E-07	1.22E-07	9.91E-08	4.57E-08	4.38E-08	2.7E-09	7.2E-08	2.3E-08	0.0E+00	0.0E+00	0.0E+00	9.76E-08	0	3.69E-04
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.000820703	Daycare	6.76E-08	2.25E-07	1.20E-07	9.74E-08	4.50E-08	4.31E-08	2.7E-09	7.1E-08	2.3E-08	0.0E+00	0.0E+00	0.0E+00	9.59E-08	0	3.62E-04
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.000836546	Daycare	6.89E-08	2.29E-07	1.22E-07	9.93E-08	4.58E-08	4.39E-08	2.7E-09	7.2E-08	2.3E-08	0.0E+00	0.0E+00	0.0E+00	9.78E-08	0	3.69E-04
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.000903513	Daycare	7.45E-08	2.48E-07	1.32E-07	1.07E-07	4.95E-08	4.74E-08	2.9E-09	7.8E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.06E-07	0	4.05E-04
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.001107371	Daycare	9.13E-08	3.03E-07	1.62E-07	1.31E-07	6.07E-08	5.81E-08	3.6E-09	9.5E-08	3.1E-08	0.0E+00	0.0E+00	0.0E+00	1.29E-07	0	5.16E-04
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.000892898	Daycare	7.36E-08	2.45E-07	1.30E-07	1.06E-07	4.89E-08	4.69E-08	2.9E-09	7.7E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.04E-07	0	3.91E-04
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.00087642	Daycare	7.22E-08	2.40E-07	1.28E-07	1.04E-07	4.80E-08	4.60E-08	2.8E-09	7.5E-08	2.4E-08	0.0E+00	0.0E+00	0.0E+00	1.02E-07	0	3.83E-04
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.000898561	Daycare	7.41E-08	2.46E-07	1.31E-07	1.07E-07	4.92E-08	4.72E-08	2.9E-09	7.7E-08	2.5E-08	0.0E+00	0.0E+00	0.0E+00	1.05E-07	0	3.96E-04
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.000994961	Daycare	8.20E-08	2.73E-07	1.45E-07	1.18E-07	5.45E-08	5.22E-08	3.2E-09	8.6E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.16E-07	0	4.49E-04
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.000995982	Daycare	8.21E-08	2.73E-07	1.46E-07	1.18E-07	5.46E-08	5.23E-08	3.2E-09	8.6E-08	2.7E-08	0.0E+00	0.0E+00	0.0E+00	1.16E-07	0	4.38E-04
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.00119819	Daycare	9.88E-08	3.28E-07	1.75E-07	1.42E-07	6.57E-08	6.29E-08	3.9E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.40E-07	0	5.53E-04

Roadway HRA
Cumulative No Project

City Place Roadway HRA - PM2.5

Truck g/s	Annual Average Scaling Factor
Tasman	0.02812
Lafayette	0.01715
Great Am	0.02453
SR237	0.10779

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
			Tasman	Lafayette	Great Am	SR237	
offsite	589514.99	4139264.85	0.05088	0.05261	0.06785	0.02777	0.00699026
offsite	589614.99	4139264.85	0.05251	0.05453	0.07232	0.02872	0.007281051
offsite	591314.99	4139264.85	0.2687	0.20607	0.38608	0.06837	0.027928235
offsite	591414.99	4139264.85	0.27804	0.24712	0.36442	0.07198	0.028752612
offsite	591514.99	4139264.85	0.28462	0.30485	0.34343	0.07557	0.02979966
offsite	591614.99	4139264.85	0.28878	0.38998	0.32349	0.07909	0.031266685
offsite	591714.99	4139264.85	0.29081	0.52306	0.30474	0.08259	0.03352303
offsite	591814.99	4139264.85	0.29112	0.75006	0.28726	0.08602	0.037365033
offsite	591914.99	4139264.85	0.29007	1.19573	0.27098	0.08937	0.044939079
offsite	592014.99	4139264.85	0.2879	2.39111	0.25587	0.09256	0.065348165
offsite	592214.99	4139264.85	0.28099	4.09509	0.22881	0.09839	0.094336248
offsite	592314.99	4139264.85	0.27645	1.88998	0.21675	0.10098	0.056381498
offsite	592414.99	4139264.85	0.2713	1.20418	0.20553	0.1034	0.04446309
offsite	592514.99	4139264.85	0.2656	0.87457	0.19506	0.10569	0.038641096
offsite	592614.99	4139264.85	0.25938	0.68363	0.18535	0.10776	0.035177145
offsite	592714.99	4139264.85	0.2527	0.5596	0.17633	0.10956	0.032835369
offsite	592814.99	4139264.85	0.24562	0.47236	0.1679	0.11113	0.031102853
offsite	589514.99	4139364.85	0.05643	0.05669	0.07674	0.02857	0.007520563
offsite	589614.99	4139364.85	0.05833	0.05891	0.08234	0.0296	0.00786043
offsite	591314.99	4139364.85	0.31997	0.25192	0.42834	0.07358	0.031754248
offsite	591414.99	4139364.85	0.32752	0.30726	0.39787	0.07747	0.032587413
offsite	591514.99	4139364.85	0.33166	0.38617	0.37007	0.08134	0.033792166
offsite	591614.99	4139364.85	0.33292	0.50452	0.34488	0.0851	0.035644357
offsite	591714.99	4139364.85	0.33191	0.69354	0.322	0.0888	0.038694664
offsite	591814.99	4139364.85	0.32913	1.02971	0.30126	0.09239	0.044258971
offsite	591914.99	4139364.85	0.32514	1.7639	0.28236	0.09588	0.05664835
offsite	592014.99	4139364.85	0.32024	4.79237	0.26509	0.09921	0.108374298
offsite	592114.99	4139364.85	0.31461	8.53549	0.24931	0.10233	0.172347547
offsite	592214.99	4139364.85	0.30837	2.58775	0.23485	0.10521	0.070143474
offsite	592314.99	4139364.85	0.3016	1.50271	0.22162	0.10782	0.051305025
offsite	592414.99	4139364.85	0.29436	1.04274	0.20942	0.11025	0.043177134
offsite	592514.99	4139364.85	0.28666	0.79215	0.19818	0.11247	0.038627403
offsite	592614.99	4139364.85	0.27854	0.63556	0.18778	0.11449	0.0356767
offsite	592714.99	4139364.85	0.27005	0.52875	0.17815	0.11625	0.033560019
offsite	592814.99	4139364.85	0.26122	0.45129	0.16921	0.1178	0.031931322
offsite	589514.99	4139464.85	0.06327	0.06126	0.08849	0.02945	0.008174315
offsite	589614.99	4139464.85	0.06564	0.06384	0.09592	0.03054	0.008584922
offsite	591314.99	4139464.85	0.38475	0.30664	0.46849	0.07954	0.036141355
offsite	591414.99	4139464.85	0.38848	0.37931	0.42904	0.08372	0.036975257
offsite	591514.99	4139464.85	0.38825	0.48412	0.39457	0.08784	0.038364574
offsite	591614.99	4139464.85	0.385	0.64356	0.36427	0.09186	0.040697191
offsite	591714.99	4139464.85	0.3796	0.9065	0.33742	0.09578	0.044817875
offsite	591814.99	4139464.85	0.37271	1.40965	0.31354	0.09958	0.053075388
offsite	591914.99	4139464.85	0.36484	2.79447	0.2922	0.10319	0.076464931
offsite	592114.99	4139464.85	0.34764	3.82616	0.25565	0.10977	0.093484145
offsite	592214.99	4139464.85	0.33854	1.91145	0.23984	0.11273	0.060328482
offsite	592314.99	4139464.85	0.32915	1.25168	0.22553	0.11535	0.04868294
offsite	592414.99	4139464.85	0.31945	0.92049	0.21244	0.11777	0.042671122
offsite	592514.99	4139464.85	0.30943	0.72293	0.20043	0.11999	0.038946556
offsite	592614.99	4139464.85	0.29909	0.59192	0.1894	0.12196	0.036351198
offsite	592714.99	4139464.85	0.28852	0.49921	0.1793	0.12357	0.034390098
offsite	592814.99	4139464.85	0.27768	0.43017	0.16995	0.12496	0.032821952
offsite	589514.99	4139564.85	0.07174	0.06637	0.10402	0.03044	0.008987731
offsite	589614.99	4139564.85	0.07492	0.06936	0.1144	0.0316	0.009508046
offsite	591314.99	4139564.85	0.46686	0.37064	0.5048	0.0863	0.041166964
offsite	591414.99	4139564.85	0.4636	0.46362	0.45689	0.09085	0.041984934
offsite	591514.99	4139564.85	0.45636	0.59963	0.41622	0.09526	0.043591292
offsite	591614.99	4139564.85	0.4464	0.81202	0.38125	0.09953	0.046555544
offsite	591714.99	4139564.85	0.43476	1.18349	0.35086	0.10363	0.052294265
offsite	591814.99	4139564.85	0.42238	2.00305	0.32415	0.10758	0.065769552
offsite	591914.99	4139564.85	0.40971	5.86446	0.30053	0.11134	0.13144981
offsite	592014.99	4139564.85	0.39704	7.00855	0.27953	0.11485	0.150574197

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	592114.99	4139564.85	0.38448	2.51944	0.26072	0.11807	0.073133107
offsite	592214.99	4139564.85	0.372	1.52225	0.24378	0.12101	0.055585002
offsite	592314.99	4139564.85	0.35952	1.07498	0.22847	0.12364	0.0474728
offsite	592414.99	4139564.85	0.34691	0.82411	0.21455	0.12605	0.042734941
offsite	592514.99	4139564.85	0.33418	0.66382	0.20191	0.12816	0.039545918
offsite	592614.99	4139564.85	0.32129	0.5526	0.19037	0.13	0.037191664
offsite	592714.99	4139564.85	0.30824	0.47134	0.1798	0.13152	0.035335927
offsite	592814.99	4139564.85	0.29508	0.40952	0.17009	0.13271	0.033795953
offsite	589514.99	4139664.85	0.08235	0.07202	0.12445	0.03153	0.010001546
offsite	589614.99	4139664.85	0.08683	0.07548	0.13936	0.03277	0.010686207
offsite	591214.99	4139664.85	0.58037	0.36139	0.60406	0.08895	0.046920543
offsite	591314.99	4139664.85	0.57137	0.44395	0.53614	0.09409	0.046971239
offsite	591414.99	4139664.85	0.55629	0.56124	0.48089	0.099	0.047732432
offsite	591514.99	4139664.85	0.53851	0.73625	0.4347	0.10375	0.049612377
offsite	591614.99	4139664.85	0.51888	1.02267	0.39565	0.10825	0.053498793
offsite	591714.99	4139664.85	0.49898	1.57465	0.36206	0.11254	0.062042387
offsite	591814.99	4139664.85	0.47949	3.18106	0.33286	0.11662	0.088762589
offsite	592014.99	4139664.85	0.44299	3.56393	0.28467	0.12402	0.093916811
offsite	592114.99	4139664.85	0.42593	1.89014	0.26454	0.12729	0.064595756
offsite	592214.99	4139664.85	0.40944	1.26725	0.24655	0.1302	0.053323925
offsite	592314.99	4139664.85	0.39329	0.94302	0.23039	0.13278	0.047192017
offsite	592414.99	4139664.85	0.37724	0.74557	0.21578	0.13511	0.043247855
offsite	592514.99	4139664.85	0.36133	0.61259	0.20258	0.13709	0.040409938
offsite	592614.99	4139664.85	0.34535	0.51692	0.19057	0.13881	0.03821096
offsite	592714.99	4139664.85	0.32938	0.44514	0.17962	0.14017	0.036409094
offsite	592814.99	4139664.85	0.31351	0.38961	0.16963	0.14107	0.03486264
offsite	589514.99	4139764.85	0.09582	0.07825	0.15053	0.03278	0.011261555
offsite	589614.99	4139764.85	0.10237	0.08224	0.17185	0.03411	0.012180433
offsite	591414.99	4139764.85	0.67207	0.67468	0.50088	0.1084	0.054436884
offsite	591514.99	4139764.85	0.63817	0.90226	0.45	0.11346	0.056683306
offsite	591614.99	4139764.85	0.6052	1.30349	0.40746	0.11818	0.06210132
offsite	591714.99	4139764.85	0.57439	2.2152	0.37103	0.12266	0.076457135
offsite	591814.99	4139764.85	0.54589	7.38882	0.33968	0.12683	0.164046964
offsite	591914.99	4139764.85	0.51974	5.9888	0.3123	0.13075	0.139056793
offsite	592014.99	4139764.85	0.49566	2.42979	0.28829	0.13435	0.077153353
offsite	592114.99	4139764.85	0.47322	1.51524	0.26706	0.13756	0.060666053
offsite	592214.99	4139764.85	0.45193	1.08677	0.24817	0.14039	0.052562214
offsite	592314.99	4139764.85	0.43135	0.83996	0.23128	0.14287	0.047604548
offsite	592414.99	4139764.85	0.41119	0.67992	0.2161	0.14504	0.044155042
offsite	592514.99	4139764.85	0.39133	0.56762	0.2024	0.14686	0.041531133
offsite	592614.99	4139764.85	0.37163	0.48444	0.19003	0.14838	0.039411321
offsite	592714.99	4139764.85	0.35216	0.42068	0.17881	0.14948	0.037613902
offsite	592814.99	4139764.85	0.33299	0.37051	0.16858	0.15014	0.0360348
offsite	589514.99	4139864.85	0.11317	0.08502	0.18257	0.03417	0.012801203
offsite	589614.99	4139864.85	0.12303	0.08959	0.21227	0.0356	0.014039421
offsite	591514.99	4139864.85	0.76151	1.11472	0.46227	0.12462	0.065298577
offsite	591614.99	4139864.85	0.71013	1.71553	0.41662	0.12958	0.073570622
offsite	591714.99	4139864.85	0.66474	3.59784	0.37781	0.13417	0.104112544
offsite	591914.99	4139864.85	0.5892	3.32697	0.31567	0.14233	0.096699181
offsite	592014.99	4139864.85	0.55739	1.85005	0.29046	0.14586	0.070242448
offsite	592114.99	4139864.85	0.52827	1.26517	0.26827	0.14899	0.059187898
offsite	592214.99	4139864.85	0.50094	0.95146	0.24861	0.15171	0.052851227
offsite	592314.99	4139864.85	0.47483	0.75653	0.23112	0.15402	0.048594584
offsite	592414.99	4139864.85	0.44946	0.62384	0.21547	0.156	0.045435525
offsite	592514.99	4139864.85	0.42468	0.52763	0.20143	0.15762	0.042919255
offsite	592614.99	4139864.85	0.40042	0.4547	0.18877	0.15884	0.040807518
offsite	592714.99	4139864.85	0.37668	0.39772	0.17733	0.15962	0.03896639
offsite	592814.99	4139864.85	0.35358	0.35228	0.16694	0.15988	0.037310838
offsite	589514.99	4139964.85	0.1355	0.09241	0.21998	0.03578	0.014646948
offsite	589614.99	4139964.85	0.15049	0.09759	0.2593	0.03731	0.016286614
offsite	591714.99	4139964.85	0.77659	9.94221	0.38237	0.14732	0.217572376
offsite	591814.99	4139964.85	0.72109	5.2517	0.34746	0.15156	0.135185477
offsite	591914.99	4139964.85	0.67343	2.33495	0.31735	0.15538	0.08350571
offsite	592014.99	4139964.85	0.63162	1.49386	0.29113	0.15879	0.067632475
offsite	592114.99	4139964.85	0.59386	1.08577	0.26816	0.16176	0.059329956
offsite	592214.99	4139964.85	0.55875	0.84546	0.24789	0.16425	0.053993322
offsite	592314.99	4139964.85	0.52528	0.6871	0.22992	0.16635	0.050122358
offsite	592414.99	4139964.85	0.49319	0.57518	0.21392	0.16804	0.047090621
offsite	592514.99	4139964.85	0.46207	0.49174	0.19962	0.16939	0.04457955
offsite	592614.99	4139964.85	0.43204	0.4273	0.18678	0.17026	0.04240899
offsite	592714.99	4139964.85	0.40301	0.37616	0.17518	0.17059	0.040466812
offsite	592814.99	4139964.85	0.37521	0.3348	0.16477	0.17046	0.038706523
offsite	589514.99	4140064.85	0.16336	0.10044	0.26147	0.03763	0.016785113
offsite	589614.99	4140064.85	0.18576	0.10626	0.31074	0.03927	0.018900029
offsite	591714.99	4140064.85	0.92158	13.8534	0.3848	0.16235	0.290393422
offsite	591814.99	4140064.85	0.84405	3.115	0.34854	0.16643	0.103635052

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	591914.99	4140064.85	0.77957	1.79925	0.31737	0.17008	0.078889903
offsite	592014.99	4140064.85	0.72404	1.25157	0.29034	0.17327	0.067618295
offsite	592114.99	4140064.85	0.6743	0.95021	0.26674	0.17598	0.060765482
offsite	592214.99	4140064.85	0.62831	0.75962	0.24601	0.17818	0.055932888
offsite	592314.99	4140064.85	0.58486	0.62819	0.22772	0.17994	0.052198543
offsite	592414.99	4140064.85	0.54354	0.5323	0.21148	0.18128	0.049138501
offsite	592514.99	4140064.85	0.50417	0.45931	0.19704	0.18223	0.046528067
offsite	592614.99	4140064.85	0.46672	0.40195	0.18409	0.18266	0.044220125
offsite	592714.99	4140064.85	0.43127	0.35558	0.17246	0.18268	0.042145051
offsite	592814.99	4140064.85	0.39774	0.31796	0.16203	0.18192	0.040219362
offsite	591714.99	4140164.85	1.12207	4.67306	0.38497	0.17955	0.140476557
offsite	591814.99	4140164.85	1.01002	2.23709	0.3476	0.18333	0.095047517
offsite	591914.99	4140164.85	0.92013	1.4641	0.31567	0.18667	0.078842327
offsite	592014.99	4140164.85	0.8445	1.07664	0.28798	0.18945	0.069692359
offsite	592114.99	4140164.85	0.77651	0.84378	0.26401	0.19181	0.06345409
offsite	592214.99	4140164.85	0.71389	0.68812	0.24302	0.19364	0.058706524
offsite	592314.99	4140164.85	0.65581	0.57702	0.22455	0.19498	0.054859678
offsite	592414.99	4140164.85	0.60173	0.49396	0.20822	0.19588	0.051611172
offsite	592514.99	4140164.85	0.5514	0.42961	0.1937	0.19631	0.04878267
offsite	592614.99	4140164.85	0.50465	0.37826	0.18081	0.19625	0.046264911
offsite	592714.99	4140164.85	0.46122	0.33638	0.16924	0.19562	0.043973832
offsite	592814.99	4140164.85	0.42083	0.30187	0.15885	0.19425	0.041843791
park	591314.99	4140264.85	3.71116	1.26672	0.62519	0.17734	0.160530192
park	591414.99	4140264.85	2.61034	1.98131	0.54596	0.18428	0.140631769
offsite	591614.99	4140264.85	1.66859	9.94362	0.42775	0.19514	0.248947788
offsite	591714.99	4140264.85	1.42631	2.92379	0.38285	0.19924	0.121108099
offsite	591814.99	4140264.85	1.25238	1.74602	0.34475	0.20256	0.095445481
park	591914.99	4140264.85	1.11874	1.23198	0.31227	0.20539	0.082381688
offsite	592014.99	4140264.85	1.00858	0.94259	0.28416	0.20761	0.073871623
offsite	592114.99	4140264.85	0.91008	0.75671	0.26006	0.20953	0.067530325
offsite	592214.99	4140264.85	0.82132	0.6272	0.23894	0.2108	0.062432516
offsite	592314.99	4140264.85	0.74101	0.53202	0.22043	0.21159	0.058173255
offsite	592414.99	4140264.85	0.66892	0.45938	0.20411	0.21192	0.054535767
offsite	592514.99	4140264.85	0.60439	0.40219	0.18973	0.21182	0.051377025
offsite	592614.99	4140264.85	0.54602	0.35602	0.17696	0.21112	0.048555282
path	592714.99	4140264.85	0.49279	0.31798	0.1655	0.20976	0.045978475
path	592814.99	4140264.85	0.44411	0.28653	0.15534	0.20749	0.043576415
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.140534382
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.15942791
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.204701781
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.37633873
park	591414.99	4140364.85	5.41692	2.89298	0.54444	0.20822	0.237730688
offsite	591614.99	4140364.85	2.4506	4.22363	0.42399	0.21825	0.175258158
school	591714.99	4140364.85	1.96167	2.14283	0.37841	0.22174	0.125088287
school	591814.99	4140364.85	1.65135	1.42893	0.33983	0.22438	0.103459048
school	591914.99	4140364.85	1.42828	1.06106	0.30709	0.22649	0.090302757
offsite	592014.99	4140364.85	1.24904	0.83606	0.27898	0.22808	0.080886272
offsite	592114.99	4140364.85	1.09253	0.68386	0.25469	0.22916	0.073395981
offsite	592214.99	4140364.85	0.95749	0.57429	0.23375	0.22984	0.067279463
offsite	592314.99	4140364.85	0.84282	0.49179	0.21533	0.22993	0.062198144
offsite	592414.99	4140364.85	0.74664	0.42777	0.19931	0.2297	0.057978026
offsite	592514.99	4140364.85	0.66397	0.37671	0.18514	0.22888	0.054341825
offsite	592614.99	4140364.85	0.59118	0.33511	0.17259	0.22737	0.051111027
path	592714.99	4140364.85	0.52588	0.30063	0.16139	0.225	0.048153356
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.120556123
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.121241199
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.128380639
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.145323456
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.175914733
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.244582927
offsite	591514.99	4140464.85	11.9602	7.63164	0.47473	0.24289	0.505013531
offsite	591614.99	4140464.85	4.79699	2.755	0.41739	0.24482	0.218760598
offsite	591714.99	4140464.85	3.21746	1.68904	0.37142	0.24733	0.15520805
school	591814.99	4140464.85	2.45836	1.20613	0.33287	0.24912	0.124828545
offsite	591914.99	4140464.85	1.986	0.92893	0.3001	0.25022	0.106107083
offsite	592014.99	4140464.85	1.63071	0.74846	0.27223	0.25096	0.092417722
offsite	592114.99	4140464.85	1.34734	0.62145	0.24827	0.25126	0.081715958
offsite	592214.99	4140464.85	1.12997	0.52748	0.22756	0.25109	0.073465755
offsite	592314.99	4140464.85	0.96534	0.4554	0.20953	0.25045	0.067089066
offsite	592414.99	4140464.85	0.83775	0.39864	0.19389	0.24947	0.062038636
offsite	592514.99	4140464.85	0.73267	0.35289	0.17999	0.24775	0.057772908
path	592614.99	4140464.85	0.64175	0.31531	0.16782	0.24532	0.054011366
path	592714.99	4140464.85	0.56081	0.28388	0.15696	0.24196	0.050567811
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.155954363
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.124524536
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.115177938

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.114002148
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.117407087
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.127470412
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.145508787
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.187205283
offsite	591714.99	4140564.85	10.93829	1.38917	0.36212	0.27662	0.3701121
offsite	591814.99	4140564.85	5.08341	1.03982	0.32392	0.27721	0.198603904
offsite	591914.99	4140564.85	3.31374	0.82289	0.29163	0.27719	0.144325371
offsite	592014.99	4140564.85	2.30074	0.67452	0.26411	0.27675	0.112572403
offsite	592114.99	4140564.85	1.70781	0.56694	0.24071	0.27608	0.093407868
offsite	592214.99	4140564.85	1.34913	0.48554	0.22049	0.27495	0.081307976
offsite	592314.99	4140564.85	1.11598	0.42217	0.20302	0.27345	0.073074828
offsite	592414.99	4140564.85	0.94989	0.37164	0.18778	0.27147	0.066950591
path	592514.99	4140564.85	0.8165	0.33059	0.17448	0.26884	0.06188598
path	592614.99	4140564.85	0.70008	0.29661	0.16272	0.2652	0.057348717
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.34240106
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.155095081
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.124044179
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.114703774
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.112402762
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.114821355
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.123421036
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.141968609
offsite	591314.99	4140664.85	2.2313	6.67174	0.60105	0.30516	0.224778791
offsite	591914.99	4140664.85	10.44952	0.73481	0.28149	0.30771	0.346520756
offsite	592014.99	4140664.85	3.56423	0.61041	0.2545	0.30574	0.149892651
offsite	592114.99	4140664.85	2.21972	0.51823	0.23183	0.30389	0.109747768
offsite	592214.99	4140664.85	1.63705	0.44735	0.21243	0.30176	0.091441779
path	592314.99	4140664.85	1.31516	0.39137	0.19591	0.29966	0.080798523
path	592414.99	4140664.85	1.10459	0.3466	0.18136	0.29643	0.073404423
path	592514.99	4140664.85	0.92734	0.30971	0.16864	0.29256	0.06705833
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.347725951
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.158508214
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.127672305
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.117593773
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.115099045
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.11713068
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.12707441
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.157697679
offsite	592014.99	4140764.85	6.87477	0.55498	0.24466	0.33969	0.245455652
path	592114.99	4140764.85	3.07953	0.47503	0.2229	0.33659	0.136491264
path	592214.99	4140764.85	2.08739	0.41318	0.20444	0.33305	0.106696512
path	592314.99	4140764.85	1.63289	0.36343	0.18843	0.3294	0.092276404
offsite	590714.99	4140864.85	0.90408	0.66981	2.33819	0.37835	0.135038237
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.12419459
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.121420452
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.124617629
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.139102741
offsite	591214.99	4140864.85	1.29664	8.59958	0.66601	0.41344	0.244815821
Phase7	591314.99	4140864.85	1.42654	5.62814	0.56007	0.41045	0.194597547
path	591914.99	4140864.85	5.18803	0.59501	0.25766	0.38347	0.203747076
path	592114.99	4140864.85	5.25384	0.43635	0.21317	0.37399	0.200764194
Phase5	590714.99	4140964.85	0.81493	0.74878	2.31683	0.49909	0.146375542
Phase5	590814.99	4140964.85	0.83379	0.88609	1.58334	0.51162	0.132620598
Phase5	590914.99	4140964.85	0.91505	1.24463	1.21985	0.50918	0.131875192
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.136909724
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.167588646
Phase7	591314.99	4140964.85	1.21455	3.18739	0.52992	0.48559	0.154144848
Phase7	591414.99	4140964.85	1.32649	1.82344	0.44189	0.47575	0.13068568
Phase8	591514.99	4140964.85	1.45834	1.26834	0.38068	0.46563	0.122283176
Phase8	591614.99	4140964.85	1.6083	0.97352	0.34277	0.45232	0.119080536
path	591914.99	4140964.85	3.37142	0.53894	0.24442	0.43132	0.156533735
offsite	592014.99	4140964.85	6.49538	0.46182	0.22203	0.42478	0.241805945
Phase5	590714.99	4141064.85	0.72377	0.81963	2.24297	0.65508	0.16002889
Phase5	590814.99	4141064.85	0.75236	0.94849	1.4133	0.62764	0.139735455
Phase5	590914.99	4141064.85	0.80363	1.33396	1.10899	0.63147	0.14073579
Phase5	591014.99	4141064.85	0.85389	2.16383	0.87437	0.62034	0.149424537
Phase7	591214.99	4141064.85	0.991	4.86026	0.59714	0.57695	0.188038733
Phase7	591314.99	4141064.85	1.06395	2.20454	0.4846	0.56748	0.140772209
Phase7	591414.99	4141064.85	1.13226	1.42228	0.40726	0.53866	0.124276626
Phase8	591514.99	4141064.85	1.23404	1.05573	0.34975	0.52408	0.117871567
Phase8	591614.99	4141064.85	1.37544	0.83569	0.30539	0.51456	0.115960756
Phase8	591714.99	4141064.85	1.59145	0.69287	0.28386	0.5096	0.118523575
path	591814.99	4141064.85	1.89556	0.57616	0.25559	0.49832	0.123165028
offsite	591914.99	4141064.85	2.41673	0.48979	0.23101	0.48968	0.134805701
offsite	592014.99	4141064.85	3.27292	0.42304	0.21038	0.48094	0.156289969

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	592114.99	4141064.85	4.71179	0.37021	0.19296	0.47243	0.194501943
offsite	592214.99	4141064.85	6.96192	0.32767	0.17806	0.46392	0.255765547
offsite	592314.99	4141064.85	6.35648	0.29284	0.16511	0.45462	0.236822757
Phase5	590714.99	4141164.85	0.66605	0.89022	2.05619	0.89998	0.181431829
Phase5	590814.99	4141164.85	0.68612	1.08247	1.32866	0.80726	0.157454638
Phase5	590914.99	4141164.85	0.73002	1.62278	1.02757	0.79118	0.158835676
offsite	591014.99	4141164.85	0.78454	3.95294	0.81699	0.78597	0.194597027
Phase6	591114.99	4141164.85	0.82837	11.31349	0.67388	0.72279	0.311719033
Phase6	591214.99	4141164.85	0.88623	2.90624	0.53448	0.69924	0.16323174
Phase7	591314.99	4141164.85	0.93648	1.68259	0.44042	0.65306	0.136378633
Phase8	591414.99	4141164.85	0.98925	1.17518	0.37019	0.63033	0.124989637
Phase8	591514.99	4141164.85	1.07605	0.90795	0.31955	0.60262	0.118619609
Phase8	591614.99	4141164.85	1.19651	0.74458	0.28195	0.59838	0.117826565
path	591714.99	4141164.85	1.32593	0.6184	0.26693	0.58496	0.117487514
path	591814.99	4141164.85	1.51764	0.52094	0.23982	0.57369	0.119327779
offsite	591914.99	4141164.85	1.76524	0.4468	0.21761	0.56265	0.123284557
offsite	592014.99	4141164.85	2.04461	0.38854	0.19887	0.55136	0.12846519
offsite	592114.99	4141164.85	2.27258	0.34199	0.18303	0.54009	0.132474479
offsite	592214.99	4141164.85	2.18962	0.30421	0.1694	0.52879	0.127941476
offsite	592314.99	4141164.85	1.60857	0.27322	0.15771	0.51642	0.1094504
offsite	590714.99	4141264.85	0.61468	1.05837	2.0248	1.28793	0.22391623
offsite	590814.99	4141264.85	0.65479	1.55973	1.39467	1.15212	0.203547232
offsite	590914.99	4141264.85	0.67348	2.36037	0.96176	1.04814	0.195975603
Phase6	591114.99	4141264.85	0.74824	4.34735	0.61261	0.88335	0.205822481
offsite	591214.99	4141264.85	0.79777	2.0811	0.4763	0.8377	0.160092796
Phase6	591314.99	4141264.85	0.83815	1.37172	0.39583	0.76613	0.139376821
Phase6	591414.99	4141264.85	0.89158	1.02073	0.33682	0.72958	0.129474066
Phase8	591514.99	4141264.85	0.95529	0.81218	0.29437	0.71291	0.124851732
path	591614.99	4141264.85	1.01647	0.66847	0.27815	0.7011	0.12243723
path	591714.99	4141264.85	1.10535	0.55716	0.2487	0.68547	0.120620996
offsite	591814.99	4141264.85	1.20513	0.47348	0.22457	0.67137	0.119880442
offsite	591914.99	4141264.85	1.3004	0.40866	0.20454	0.65751	0.119462879
offsite	592014.99	4141264.85	1.35823	0.35748	0.18781	0.64306	0.118243696
offsite	592114.99	4141264.85	1.32263	0.31633	0.17351	0.62793	0.114555462
offsite	592214.99	4141264.85	1.14392	0.2828	0.1612	0.61267	0.107008297
offsite	592314.99	4141264.85	0.86606	0.2551	0.15047	0.59552	0.096607944
offsite	592414.99	4141264.85	0.62559	0.23188	0.14097	0.57329	0.086818464
Phase6	591014.99	4141364.85	0.65236	8.39915	0.6796	1.22889	0.311488915
Phase6	591114.99	4141364.85	0.6702	2.37905	0.49166	1.07077	0.187112742
Phase6	591214.99	4141364.85	0.70511	1.58532	0.40963	0.98857	0.163612588
Phase6	591314.99	4141364.85	0.7409	1.14861	0.34711	0.92318	0.148549318
Phase6	591414.99	4141364.85	0.79013	0.89426	0.30309	0.87162	0.138935305
Phase6	591514.99	4141364.85	0.82169	0.72991	0.28894	0.86575	0.136024973
path	591614.99	4141364.85	0.86752	0.5993	0.25697	0.8421	0.131740948
offsite	591714.99	4141364.85	0.91431	0.50354	0.2312	0.82312	0.128736913
offsite	591814.99	4141364.85	0.95406	0.43077	0.21006	0.80569	0.126209738
offsite	591914.99	4141364.85	0.97257	0.37412	0.19233	0.78766	0.123380645
offsite	592014.99	4141364.85	0.95079	0.32912	0.1773	0.76807	0.119516396
offsite	592114.99	4141364.85	0.87206	0.29278	0.16446	0.74714	0.114108432
offsite	592214.99	4141364.85	0.7397	0.26302	0.15333	0.72574	0.10729645
offsite	592314.99	4141364.85	0.58987	0.23837	0.14363	0.70099	0.099754805
offsite	592414.99	4141364.85	0.46652	0.2177	0.1351	0.66723	0.092083589
offsite	592514.99	4141364.85	0.38163	0.20008	0.12738	0.62195	0.084324371
Phase6	591014.99	4141464.85	0.59376	4.36886	0.53654	1.58524	0.275635465
Phase6	591114.99	4141464.85	0.60882	2.00352	0.42083	1.36007	0.208392861
Phase6	591214.99	4141464.85	0.63224	1.33263	0.35371	1.22311	0.18113923
Phase6	591314.99	4141464.85	0.6678	1.00537	0.31023	1.14619	0.167170421
Phase6	591414.99	4141464.85	0.69903	0.80706	0.29278	1.11843	0.161228128
path	591514.99	4141464.85	0.71384	0.64925	0.26463	1.0815	0.154267693
offsite	591614.99	4141464.85	0.7375	0.53729	0.23742	1.05328	0.14930418
offsite	591714.99	4141464.85	0.75438	0.45455	0.21466	1.02588	0.144848565
offsite	591814.99	4141464.85	0.76039	0.39183	0.19646	1.00272	0.140999409
offsite	591914.99	4141464.85	0.74509	0.34243	0.18082	0.97755	0.13662553
offsite	592014.99	4141464.85	0.70203	0.30304	0.16746	0.94994	0.131435576
offsite	592114.99	4141464.85	0.62988	0.27108	0.15596	0.91933	0.125277246
offsite	592214.99	4141464.85	0.53861	0.2448	0.14596	0.88739	0.118572072
offsite	592314.99	4141464.85	0.44764	0.22292	0.13718	0.84919	0.111305962
offsite	592414.99	4141464.85	0.37294	0.20445	0.12934	0.79432	0.102782109
Phase6	591214.99	4141564.85	0.57827	1.16519	0.31875	1.64789	0.221678446
Phase6	591314.99	4141564.85	0.59799	0.88841	0.28872	1.55366	0.206593878
path	591414.99	4141564.85	0.60732	0.70773	0.27123	1.49882	0.197418202
path	591514.99	4141564.85	0.61934	0.5753	0.24262	1.44634	0.189127137
offsite	591614.99	4141564.85	0.62621	0.4803	0.21897	1.40156	0.182284659
offsite	591714.99	4141564.85	0.62611	0.40997	0.19973	1.36215	0.176356164
offsite	591814.99	4141564.85	0.61439	0.3559	0.1836	1.32123	0.170293232
offsite	591914.99	4141564.85	0.58721	0.31319	0.16981	1.28259	0.164293483

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	592014.99	4141564.85	0.54334	0.27891	0.15798	1.24104	0.157703358
offsite	592114.99	4141564.85	0.48553	0.25101	0.14776	1.19206	0.15006926
offsite	592214.99	4141564.85	0.42137	0.22786	0.13875	1.14124	0.142169393
offsite	592314.99	4141564.85	0.36115	0.20876	0.13108	1.07543	0.132866917
path	591414.99	4141664.85	0.53541	0.61467	0.24655	2.28387	0.277812569
offsite	591514.99	4141664.85	0.5376	0.50627	0.22254	2.19125	0.265443398
offsite	591614.99	4141664.85	0.53452	0.42778	0.2026	2.10526	0.254253336
offsite	591714.99	4141664.85	0.52484	0.369	0.18613	2.02579	0.244003513
offsite	591814.99	4141664.85	0.50587	0.32322	0.17209	1.94166	0.233272671
offsite	591914.99	4141664.85	0.47659	0.28676	0.16001	1.87254	0.224077653
offsite	592014.99	4141664.85	0.43778	0.25726	0.14957	1.79155	0.213494786
offsite	592114.99	4141664.85	0.39242	0.23296	0.1404	1.69403	0.201066334
offsite	592214.99	4141664.85	0.34576	0.21273	0.13234	1.6061	0.189732007
path	591314.99	4141764.85	0.47356	0.65291	0.24907	5.44263	0.617261476
offsite	591414.99	4141764.85	0.47333	0.53016	0.22519	5.02672	0.56973519
offsite	591514.99	4141764.85	0.4688	0.44419	0.20485	4.57176	0.518596416
offsite	591614.99	4141764.85	0.46018	0.38078	0.18812	4.24575	0.481717029
offsite	591714.99	4141764.85	0.44588	0.33224	0.17399	3.95624	0.448930852
offsite	591814.99	4141764.85	0.42464	0.29372	0.16165	3.68341	0.417963104
offsite	591914.99	4141764.85	0.39716	0.26294	0.15114	3.47562	0.394007894
offsite	592014.99	4141764.85	0.36422	0.23764	0.14187	3.1915	0.361796203
offsite	592114.99	4141764.85	0.32852	0.21663	0.13369	2.93711	0.332811675
offsite	590914.99	4141964.85	0.38994	1.38121	0.30994	2.67044	0.330087151
path	591214.99	4141964.85	0.38632	0.56095	0.2255	3.91723	0.448236246
path	591314.99	4141964.85	0.3819	0.46555	0.20648	4.17259	0.47353393
offsite	590814.99	4142064.85	0.36178	1.35808	0.30615	1.7833	0.233184269
offsite	590914.99	4142064.85	0.3613	0.9324	0.27351	1.9813	0.24641285
offsite	591014.99	4142064.85	0.35964	0.70185	0.24679	2.17745	0.262899887
path	591114.99	4142064.85	0.35626	0.56144	0.22436	2.33172	0.276475299
path	591214.99	4142064.85	0.35158	0.46697	0.20562	2.44309	0.286268353
offsite	590714.99	4142164.85	0.33841	1.17124	0.30201	1.34291	0.181753886
offsite	590814.99	4142164.85	0.33729	0.87484	0.27057	1.45247	0.187678023
path	590914.99	4142164.85	0.33536	0.67932	0.24475	1.56154	0.195394172
path	591014.99	4142164.85	0.33174	0.551	0.22298	1.65416	0.202541308
path	591114.99	4142164.85	0.32716	0.46136	0.20464	1.7279	0.208373809
path	590414.99	4142264.85	0.3178	0.96269	0.37455	0.93595	0.135512882
path	590514.99	4142264.85	0.3181	1.03964	0.33348	1.00296	0.143056189
path	590614.99	4142264.85	0.31781	0.95892	0.29731	1.07278	0.14830244
path	590714.99	4142264.85	0.31648	0.7875	0.26711	1.14326	0.152181801
path	590814.99	4142264.85	0.31438	0.64198	0.2422	1.21224	0.156451677
path	590914.99	4142264.85	0.31155	0.53248	0.22158	1.27614	0.160876318
path	591014.99	4142264.85	0.3074	0.45069	0.20382	1.32896	0.164614851
school	591514.99	4142364.85	0.2429	0.2257	0.13601	1.11022	0.133702883
park	591214.99	4142464.85	0.2513	0.26849	0.15287	0.93896	0.11662687
park	591314.99	4142464.85	0.24255	0.2446	0.14376	0.93118	0.114909159
school	591414.99	4142464.85	0.23359	0.2246	0.136	0.91495	0.112374562
path	590414.99	4142564.85	0.27149	0.5079	0.25672	0.69117	0.09713852
offsite	590914.99	4142564.85	0.25287	0.32319	0.17319	0.79032	0.102085996
offsite	591014.99	4142564.85	0.24778	0.29208	0.16268	0.79753	0.101928786
offsite	591114.99	4142564.85	0.24122	0.26531	0.15298	0.7976	0.101054928
park	591214.99	4142564.85	0.23304	0.242	0.14374	0.78962	0.099338445
park	591314.99	4142564.85	0.22503	0.22274	0.13596	0.77542	0.097061567
school	591414.99	4142564.85	0.21631	0.20601	0.12896	0.75252	0.093889495
path	590314.99	4142664.85	0.25944	0.44505	0.25161	0.60893	0.086732322
offsite	590514.99	4142664.85	0.25404	0.41007	0.21451	0.6475	0.089228038
offsite	590614.99	4142664.85	0.25068	0.37983	0.19855	0.66356	0.08995463
offsite	590714.99	4142664.85	0.24699	0.34707	0.1848	0.67681	0.090380058
offsite	590814.99	4142664.85	0.24273	0.31547	0.17281	0.68629	0.09044616
offsite	590914.99	4142664.85	0.23784	0.28696	0.16229	0.69129	0.090100703
offsite	591014.99	4142664.85	0.23171	0.26156	0.1526	0.69051	0.089171055
park	591214.99	4142664.85	0.21754	0.22082	0.13608	0.67184	0.085656469
path	590314.99	4142764.85	0.24731	0.39154	0.22971	0.56168	0.079843655
offsite	590514.99	4142764.85	0.24083	0.35663	0.19765	0.58801	0.081114514
offsite	590614.99	4142764.85	0.23728	0.33195	0.18406	0.59817	0.08135329
offsite	590714.99	4142764.85	0.23333	0.30603	0.17223	0.60541	0.081287986
offsite	590814.99	4142764.85	0.22849	0.28069	0.16162	0.60864	0.080805301
offsite	590914.99	4142764.85	0.2232	0.25764	0.15227	0.6079	0.07995222
offsite	591014.99	4142764.85	0.21717	0.23696	0.14378	0.60243	0.078630232
offsite	591114.99	4142764.85	0.21088	0.21906	0.13628	0.59243	0.07688461
park	591239.54	4140294.63	8.68408	1.04294	0.6985	0.17813	0.298419431
park	591338.72	4140348.36	8.10935	1.70094	0.60488	0.1989	0.293482552

Roadway HRA
Cumulative No Project

City Place Roadway HRA - Toxics

Truck g/s	Scaling Factor - Annual	Scaling Factor - 1hr
Tasman	0.01190	0.03064
Lafayette	0.00725	0.02113
Great Am	0.01038	0.01910
SR237	0.05670	0.11185

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	CANCER RISK: *Cancer risk is calculated by multiplying the scaled annual average* Risk Per Million (Residential 30-yr; school and park 9-yr)		CHRONIC HAZARD QUOTIENT: *Chronic risk is calculated by divid scaled 1-hr average concentratio Unit Risk Factor (TOG Speciation*
			Tasman	Lafayette	Great Am	SR237		Tasman	Lafayette	Great Am	SR237			Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	589514.99	4140064.85	0.30022	0.19426	0.49587	0.07197	0.014206167	32.71507	5.51455	16.77567	17.33471	3.378286636	Residential	2.59E-08	0	6.6E-04
offsite	589514.99	4139964.85	0.24955	0.17954	0.41156	0.06861	0.012431327	40.78093	5.41622	16.79108	16.34704	3.513171821	Residential	2.26E-08	0	5.7E-04
offsite	589514.99	4139864.85	0.21047	0.16589	0.33759	0.0657	0.010934925	34.00449	5.41877	16.79698	15.34252	3.193345305	Residential	1.99E-08	0	5.1E-04
offsite	589514.99	4139764.85	0.18021	0.1533	0.27626	0.06316	0.009703265	37.49381	5.45883	16.80069	14.74086	3.233879848	Residential	1.77E-08	0	4.5E-04
offsite	589514.99	4139664.85	0.15597	0.14161	0.228	0.06088	0.0087001	40.98284	5.46788	16.76644	14.07559	3.265910241	Residential	1.58E-08	0	4.0E-04
offsite	589514.99	4139564.85	0.13594	0.13089	0.19123	0.05883	0.007886312	35.57667	5.46886	16.56525	13.41077	3.022077703	Residential	1.44E-08	0	3.6E-04
offsite	589514.99	4139464.85	0.1193	0.12107	0.16351	0.05695	0.00722292	31.68553	5.60413	16.24627	12.78527	2.82965256	Residential	1.32E-08	0	3.3E-04
offsite	589514.99	4139364.85	0.10575	0.11218	0.14243	0.05524	0.006681567	28.40451	5.74344	16.40645	12.50402	2.703664447	Residential	1.22E-08	0	3.1E-04
offsite	589514.99	4139264.85	0.09489	0.10388	0.12626	0.05362	0.006232541	28.5725	5.8391	16.50796	12.31514	2.691645047	Residential	1.13E-08	0	2.9E-04
offsite	589614.99	4140064.85	0.34042	0.20546	0.59261	0.07536	0.015961592	36.62459	5.54982	18.07795	16.40999	3.420261847	Residential	2.91E-08	0	7.4E-04
offsite	589614.99	4139964.85	0.27629	0.18954	0.48699	0.07176	0.013783211	44.54871	5.54079	18.09639	15.46091	3.557065283	Residential	2.51E-08	0	6.4E-04
offsite	589614.99	4139864.85	0.22834	0.17474	0.39314	0.06862	0.011953638	35.11709	5.53521	18.10301	14.68806	3.181637475	Residential	2.18E-08	0	5.5E-04
offsite	589614.99	4139764.85	0.1922	0.16105	0.31528	0.06587	0.01046063	43.98139	5.64272	18.09888	13.92472	3.370055707	Residential	1.90E-08	0	4.8E-04
offsite	589614.99	4139664.85	0.1639	0.14835	0.25493	0.06336	0.009263357	42.95858	5.80455	18.04586	13.21057	3.261243052	Residential	1.69E-08	0	4.3E-04
offsite	589614.99	4139564.85	0.14122	0.13676	0.21002	0.06111	0.008315935	35.04785	5.91096	17.7559	12.8094	2.970691751	Residential	1.51E-08	0	3.8E-04
offsite	589614.99	4139464.85	0.12309	0.12616	0.17711	0.05904	0.007564537	31.92097	5.97363	17.08889	12.54941	2.834386222	Residential	1.38E-08	0	3.5E-04
offsite	589614.99	4139364.85	0.10882	0.11659	0.15278	0.05714	0.006965192	29.83113	6.0013	17.47209	12.31424	2.751951335	Residential	1.27E-08	0	3.2E-04
offsite	589614.99	4139264.85	0.09768	0.10771	0.13457	0.05537	0.006478958	29.26594	6.07594	17.95301	12.05793	2.716726966	Residential	1.18E-08	0	3.0E-04
path	590314.99	4142764.85	0.49924	1.35791	0.44787	1.14522	0.085367814	7.84429	43.96344	50.28042	14.25639	3.724281379	Parks/Paths	1.55E-07	0	3.9E-03
path	590314.99	4142664.85	0.52393	1.67941	0.49011	1.24433	0.094051222	7.8935	44.84928	52.2269	15.89305	3.964750143	Parks/Paths	1.71E-07	0	4.3E-03
path	590414.99	4142564.85	0.54783	2.4914	0.50038	1.41074	0.109767165	7.96515	57.38095	55.84681	17.30989	4.459363535	Parks/Paths	2.00E-07	0	5.1E-03
path	590414.99	4142264.85	0.64196	3.29134	0.72702	1.90984	0.147339106	8.18756	58.9328	76.47928	21.79905	5.395167022	Parks/Paths	2.68E-07	0	6.8E-03
offsite	590514.99	4142764.85	0.48496	1.25352	0.38853	1.19154	0.086451289	7.81679	50.04581	47.56107	14.31017	3.806039935	Residential	1.57E-07	0	4.0E-03
offsite	590514.99	4142664.85	0.51183	1.8349	0.42116	1.31634	0.098402582	7.83322	63.78135	50.54152	15.2247	4.256001403	Residential	1.79E-07	0	4.6E-03
path	590514.99	4142264.85	0.64183	5.81572	0.65127	2.04449	0.172497051	8.23945	88.53724	69.68534	22.39601	5.959326648	Parks/Paths	3.14E-07	0	8.0E-03
Phase4	590514.99	4140764.85	1.83489	0.80896	22.42546	0.47592	0.287361376	15.98804	11.71891	205.5199	18.09394	6.686704338	Residential	5.23E-07	1	1.3E-02
Phase4	590514.99	4140664.85	2.08319	0.73977	22.14638	0.37133	0.280987569	17.89171	10.65554	202.82676	16.59699	6.503687877	Residential	5.12E-07	1	1.3E-02
offsite	590614.99	4142764.85	0.47735	1.06438	0.36533	1.20751	0.085653552	7.87031	44.48737	40.88581	14.35051	3.56724489	Residential	1.56E-07	0	4.0E-03
offsite	590614.99	4142664.85	0.5046	1.48834	0.39386	1.34458	0.097120638	7.88133	62.84651	44.93104	15.31231	4.140363946	Residential	1.77E-07	0	4.5E-03
path	590614.99	4142264.85	0.64071	45.69914	0.58832	2.18478	0.469086252	8.27345	294.25172	66.43316	23.69958	10.39092542	Parks/Paths	8.54E-07	1	2.2E-02
Phase4	590614.99	4140764.85	1.94395	0.93339	7.54545	0.54416	0.139038813	16.68015	13.17647	78.18854	17.18033	4.204554792	Residential	2.53E-07	0	6.4E-03
Phase4	590614.99	4140664.85	2.21407	0.84877	7.51833	0.42613	0.134664911	19.14132	11.96184	74.81894	15.77723	4.033001645	Residential	2.45E-07	0	6.2E-03
Phase4	590614.99	4140564.85	2.59498	0.77319	7.49784	0.34615	0.133900715	22.14042	10.94495	70.57176	14.61578	3.892377371	Residential	2.44E-07	0	6.2E-03
offsite	590714.99	4142764.85	0.46904	0.89644	0.34555	1.21687	0.084661975	7.98873	34.67978	45.26307	14.33565	3.445574749	Residential	1.54E-07	0	3.9E-03
offsite	590714.99	4142664.85	0.49682	1.14496	0.3707	1.366	0.095511491	7.98769	41.27732	46.85328	15.38908	3.733154488	Residential	1.74E-07	0	4.4E-03
path	590714.99	4142264.85	0.63765	4.94989	0.535	2.32668	0.180960154	8.27144	37.56558	53.62931	24.36911	4.797282501	Parks/Paths	3.30E-07	0	8.4E-03
offsite	590714.99	4142164.85	0.68207	5.39194	0.60468	2.72	0.2077186	8.46771	49.17464	56.13105	27.76089	5.475766159	Residential	3.78E-07	0	9.6E-03
offsite	590714.99	4141264.85	1.25568	1.91613	4.05846	2.54758	0.215389673	11.80857	22.37245	53.4934	31.81879	5.415298462	Residential	3.92E-07	0	1.0E-02
Phase5	590714.99	4141164.85	1.3543	1.6145	4.15477	1.82492	0.174400695	12.44548	20.14748	51.23592	25.67119	4.657052707	Residential	3.18E-07	0	8.1E-03
Phase5	590714.99	4141064.85	1.48721	1.48843	4.5022	1.33525	0.150908775	13.69539	18.42721	48.92894	22.25627	4.232968134	Residential	2.75E-07	0	7.0E-03
Phase5	590714.99	4140964.85	1.66366	1.36885	4.60607	1.02961	0.135888941	14.75822	17.06007	47.86581	19.72526	3.933238329	Residential	2.47E-07	0	6.3E-03
offsite	590714.99	4140864.85	1.84508	1.22548	4.64828	0.78207	0.123410062	15.71781	15.86374	47.60951	17.71022	3.707077504	Residential	2.25E-07	0	5.7E-03
Phase4	590714.99	4140764.85	2.07127	1.09945	4.64681	0.60206	0.11496517	17.37898	14.76111	47.40557	16.04638	3.544676381	Residential	2.09E-07	0	5.3E-03
Phase4	590714.99	4140664.85	2.35835	0.9798	4.64015	0.47624	0.110309539	19.72534	13.60043	47.04311	14.66761	3.430901634	Residential	2.01E-07	0	5.1E-03
Phase4	590714.99	4140564.85	2.78541	0.89571	4.63029	0.38722	0.109630364	22.84121	12.26124	46.89527	13.51281	3.366084039	Residential	2.00E-07	0	5.1E-03
offsite	590814.99	4142764.85	0.45903	0.77455	0.32727	1.21785	0.083524639	8.06918	23.79369	39.99777	14.81428	3.170982314	Residential	1.52E-07	0	3.9E-03
offsite	590814.99	4142664.85	0.48798	0.94044	0.34982	1.37877	0.094430197	8.09579	25.24812	40.87617	15.98171	3.349888506	Residential	1.72E-07	0	4.4E-03
path	590814.99	4142264.85	0.63313	2.74402	0.48923	2.46392	0.172212078	8.35327	28.42844	46.44625	24.69502	4.505978163	Parks/Paths	3.14E-07	0	8.0E-03
offsite	590814.99	4142164.85	0.67946	3.15287	0.54639	2.94236	0.203448672	8.50382	33.56274	46.6181	28.92688	5.095711596	Residential	3.70E-07	0	9.4E-03
offsite	590814.99	4142064.85	0.7289	3.74755	0.61838	3.58747	0.245673979	8.82186	41.73944	46.02576	34.00054	5.834427135	Residential	4.47E-07	0	1.1E-02
offsite	590814.99	4141264.85	1.32946	2.80768	2.7964	2.31683	0.196556423	12.21817	29.13655	37.92906	28.9388	4.951370608	Residential	3.58E-07	0	9.1E-03
Phase5	590814.99	4141164.85	1.3999	1.92632	2.7014	1.62676	0.150889842	12.85548	25.13824	37.54962	23.79575	4.303897301	Residential	2.75E-07	0	7.0E-03
Phase5	590814.99	4141064.85	1.5367	1.69813	2.87353	1.28096	0.133041753	13.60057	21.77067	37.60295	20.55969	3.894623177	Residential	2.42E-07	0	6.2E-03
Phase5	590814.99	4140964.85	1.70968	1.60771	3.20658	1.03161	0.123761619	15.38072	19.74831	37.20984	18.55765	3.674991413	Residential	2.25E-07	0	5.7E-03
Phase3	590814.99	4140864.85	1.96506	1.50141	3.30684	0.81632	0.114862305	16.64978	18.12791	37.19053	16.02427	3.395900437	Residential	2.09E-07	0	5.3E-03
Phase3	590814.99	4140764.85	2.21993	1.32907	3.33762	0.64644	0.107331648	18.34496	16.71774	37.15565	14.47754	3.244371009	Residential	1.95E-07	0	5.0E-03
Phase3	590814.99	4140664.85	2.55917	1.18538	3.3552	0.52458	0.103598176	20.76181	15.43814	37.12894	13.2361	3.152016744	Residential	1.89E-07	0	4.8E-03
Phase2	590814.99	4140564.85	3.02814	1.05937	3.35009	0.42669	0.102659866	24.27999	14.12748	37.07041	12.24434	3.120071366	Residential	1.87E-07	0	4.7E-03
Phase2	590814.99	4140464.85	3.75366	0.94967	3.33449	0.35525	0.106282646	29.23776	12.6328	36.96336	11.45695	3.150280198	Residential	1.94E-07	0	4.9E-03
offsite	590914.99	4142764.85	0.44823	0.68214	0.31026	1.21071	0.082144531	8.21443	19.10689	35.74492	15.68088	3.092102913	Residential	1.50E-07	0	3.8E-03
offsite	590914.99	4142664.85	0.47796	0.80182	0.33045	1.38177	0.093274609	8.28313	19.38294	37.09995	16.80334	3.251472281	Residential	1.70E-07	0	4.3E-03

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Risk Per Million (Residential 30-yr; school and park 9-yr): Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	590914.99	4142564.85	0.50846	0.97457	0.35238	1.58765	0.106791086	8.3174	18.14498	37.77045	18.10712	3.38500187	Residential	1.94E-07	0	4.9E-03
path	590914.99	4142264.85	0.62732	1.86257	0.44994	2.58701	0.172320528	8.61517	22.70863	36.54873	24.95192	4.232837575	Parks/Paths	3.14E-07	0	8.0E-03
path	590914.99	4142164.85	0.67547	2.17895	0.49702	3.15885	0.208099051	8.75991	25.8353	35.3666	29.46467	4.785528769	Parks/Paths	3.79E-07	0	9.6E-03
offsite	590914.99	4142064.85	0.72771	2.56256	0.55564	3.98654	0.259039872	8.94718	30.19595	33.98606	36.53807	5.648225469	Residential	4.72E-07	0	1.2E-02
offsite	590914.99	4141964.85	0.78543	3.1935	0.63032	5.29118	0.33904879	9.30199	36.72705	33.28361	48.84867	7.160667902	Residential	6.17E-07	1	1.6E-02
offsite	590914.99	4141264.85	1.36973	4.09453	1.95664	2.06685	0.183483293	12.75451	48.79921	31.47262	26.29784	4.964572624	Residential	3.34E-07	0	8.5E-03
Phase5	590914.99	4141164.85	1.486	2.84663	2.096	1.58742	0.150077731	13.38249	35.41605	31.56817	22.66339	4.296320234	Residential	2.73E-07	0	6.9E-03
Phase5	590914.99	4141064.85	1.63714	2.37214	2.26027	1.2807	0.132747865	14.48101	28.50786	31.04484	19.59651	3.830969542	Residential	2.42E-07	0	6.1E-03
Phase5	590914.99	4140964.85	1.86591	2.28264	2.46306	1.04969	0.123826388	15.98948	24.26218	31.27964	17.90061	3.60226887	Residential	2.25E-07	0	5.7E-03
Phase3	590914.99	4140864.85	2.0979	1.92887	2.5249	0.83673	0.112587224	17.59456	21.5156	31.23722	16.02166	3.382435705	Residential	2.05E-07	0	5.2E-03
Phase3	590914.99	4140764.85	2.37685	1.61428	2.58931	0.67059	0.10487218	19.45907	19.42827	31.1861	13.28353	3.088213658	Residential	1.91E-07	0	4.8E-03
Phase3	590914.99	4140664.85	2.77484	1.42354	2.59696	0.55321	0.101647297	22.11176	17.74533	31.12625	12.07	2.997051738	Residential	1.85E-07	0	4.7E-03
Phase2	590914.99	4140564.85	3.34733	1.28379	2.59992	0.46033	0.102208601	26.57115	16.25325	30.85599	11.3379	3.015111988	Residential	1.86E-07	0	4.7E-03
Phase2	590914.99	4140464.85	4.21834	1.14023	2.60062	0.39017	0.107558241	32.7294	14.74607	29.76773	10.73799	3.084069759	Residential	1.96E-07	0	5.0E-03
Phase2	590914.99	4140364.85	5.87858	1.0136	2.58175	0.33201	0.122896805	49.41769	13.07223	28.58951	10.28217	3.486551414	Residential	2.24E-07	0	5.7E-03
offsite	591014.99	4142764.85	0.43601	0.60885	0.29398	1.1945	0.080379542	8.38739	15.58689	32.15059	16.30265	3.02392006	Residential	1.46E-07	0	3.7E-03
offsite	591014.99	4142664.85	0.46552	0.69932	0.31171	1.37343	0.091715813	8.45581	14.6307	31.70371	17.48976	3.130058662	Residential	1.67E-07	0	4.2E-03
offsite	591014.99	4142564.85	0.49813	0.81851	0.332	1.59326	0.105642808	8.53781	14.69022	30.89554	18.91372	3.277667891	Residential	1.92E-07	0	4.9E-03
path	591014.99	4142264.85	0.61895	1.39519	0.41532	2.68564	0.17406367	8.86558	17.66178	29.89036	26.07271	4.132060051	Parks/Paths	3.17E-07	0	8.0E-03
path	591014.99	4142164.85	0.66799	1.63424	0.4544	3.34464	0.214150665	8.99324	19.03963	29.30644	33.82323	5.020855172	Parks/Paths	3.90E-07	0	9.9E-03
offsite	591014.99	4142064.85	0.72425	1.90104	0.50339	4.37551	0.275712033	9.19451	21.24412	28.69637	42.37669	6.01868517	Residential	5.02E-07	1	1.3E-02
Phase6	591014.99	4141664.85	1.01135	5.07056	0.85364	9.4478	0.593342056	10.78157	43.03709	27.97369	96.53462	12.57175272	Residential	1.08E-06	1	2.7E-02
Phase6	591014.99	4141564.85	1.10323	7.3132	1.00309	4.89244	0.353972289	11.32625	72.50584	27.82185	54.03114	8.454078111	Residential	6.45E-07	1	1.6E-02
Phase6	591014.99	4141464.85	1.20686	7.41659	1.10398	3.14424	0.257882016	11.92187	73.8905	27.50771	37.15429	6.607855345	Residential	4.70E-07	0	1.2E-02
Phase6	591014.99	4141364.85	1.31666	14.54996	1.36928	2.45266	0.274472716	12.59825	100.30316	27.31351	28.66484	6.233412221	Residential	5.00E-07	0	1.3E-02
offsite	591014.99	4141264.85	1.44242	30.71394	1.5552	1.94007	0.366083201	13.31664	232.80285	27.2811	24.55603	8.595014502	Residential	6.67E-07	1	1.7E-02
offsite	591014.99	4141164.85	1.59436	6.76635	1.67231	1.55664	0.173657901	14.31127	69.5411	27.24143	21.5598	4.839781465	Residential	3.16E-07	0	8.0E-03
Phase5	591014.99	4141064.85	1.73648	3.76768	1.78419	1.25377	0.137585844	15.43895	45.17725	27.10948	18.64818	4.031317788	Residential	2.51E-07	0	6.4E-03
Phase3	591014.99	4140964.85	1.98543	3.3885	1.9351	1.03909	0.127190773	16.943	32.64711	27.22629	17.12151	3.644101744	Residential	2.32E-07	0	5.9E-03
Phase3	591014.99	4140864.85	2.24221	2.626	2.01353	0.8445	0.114495399	18.72808	27.25097	27.17494	15.69225	3.423925945	Residential	2.08E-07	0	5.3E-03
Phase3	591014.99	4140764.85	2.56984	2.13708	2.06131	0.69194	0.106692338	21.01178	23.63315	26.96686	14.03233	3.22781152	Residential	1.94E-07	0	4.9E-03
Phase2	591014.99	4140664.85	3.04679	1.81221	2.0983	0.57453	0.103736564	24.15249	21.0374	26.39814	11.58627	2.984732904	Residential	1.89E-07	0	4.8E-03
Phase2	591014.99	4140564.85	3.74436	1.55544	2.11399	0.47975	0.104961369	29.49956	18.98902	24.88681	10.97437	3.007978224	Residential	1.91E-07	0	4.9E-03
Phase2	591014.99	4140464.85	4.92267	1.35068	2.1081	0.40691	0.113302442	39.30155	17.23323	24.89168	10.49118	3.21726286	Residential	2.06E-07	0	5.2E-03
Phase1	591014.99	4140364.85	7.39847	1.23196	2.09807	0.35797	0.139014882	62.16999	15.51997	24.91237	10.09034	3.83732333	Residential	2.53E-07	0	6.4E-03
offsite	591114.99	4142764.85	0.42336	0.5496	0.27908	1.17	0.07825557	8.55398	12.49873	27.69689	16.88545	2.943894592	Residential	1.42E-07	0	3.6E-03
offsite	591114.99	4142564.85	0.48488	0.7079	0.31269	1.58478	0.104001698	8.71488	13.09617	27.69448	19.74791	3.281578526	Residential	1.89E-07	0	4.8E-03
path	591114.99	4142164.85	0.65878	1.28953	0.4182	3.48557	0.219155564	9.21298	16.74112	26.0475	38.46214	5.435652676	Parks/Paths	3.99E-07	0	1.0E-02
path	591114.99	4142064.85	0.71741	1.4859	0.45904	4.67739	0.289275267	9.41891	18.22675	25.83463	48.41136	6.582142246	Parks/Paths	5.27E-07	1	1.3E-02
Phase6	591114.99	4141764.85	0.93925	2.45917	0.6414	19.50135	1.141358462	10.59361	23.65325	25.09574	188.14796	22.34869057	Residential	2.08E-06	2	5.3E-02
Phase6	591114.99	4141664.85	1.02935	3.01131	0.72849	6.44771	0.40722074	11.11214	29.2965	24.73194	67.83487	9.019457109	Residential	7.42E-07	1	1.9E-02
Phase6	591114.99	4141564.85	1.14506	3.50185	0.80667	3.95216	0.271473381	11.75089	34.04327	24.36268	44.71552	6.546302063	Residential	4.94E-07	0	1.3E-02
Phase6	591114.99	4141464.85	1.23636	3.64756	0.87008	2.62913	0.199260906	12.42106	46.87115	24.26385	32.63054	5.484264134	Residential	3.63E-07	0	9.2E-03
Phase6	591114.99	4141364.85	1.36133	4.22472	1.01294	2.10884	0.176916863	13.20933	42.67178	24.24504	25.95926	4.673118078	Residential	3.22E-07	0	8.2E-03
Phase6	591114.99	4141264.85	1.50922	7.77738	1.2381	1.79779	0.189146261	14.1777	59.22967	24.36519	22.93458	4.716641415	Residential	3.44E-07	0	8.7E-03
Phase6	591114.99	4141164.85	1.67404	18.78047	1.36563	1.47621	0.254010063	15.28214	123.4496	24.33755	20.42294	5.826022403	Residential	4.63E-07	0	1.2E-02
offsite	591114.99	4141064.85	1.86965	19.78125	1.4766	1.2271	0.250623708	16.57912	150.9593	24.30119	18.18541	6.196088566	Residential	4.56E-07	0	1.2E-02
Phase3	591114.99	4140964.85	2.11418	6.83178	1.5636	1.0163	0.148552093	18.25341	62.29146	24.17984	16.39636	4.171359286	Residential	2.70E-07	0	6.9E-03
Phase3	591114.99	4140864.85	2.43378	4.36393	1.63267	0.8523	0.125871258	20.35117	41.48002	23.83373	15.17967	3.653177071	Residential	2.29E-07	0	5.8E-03
Phase2	591114.99	4140764.85	2.84587	3.18207	1.68264	0.71358	0.114854008	23.16064	31.79909	22.82948	14.00961	3.384641628	Residential	2.09E-07	0	5.3E-03
Phase2	591114.99	4140664.85	3.41815	2.48703	1.72387	0.60065	0.1106452	27.14796	26.48104	22.04203	12.46722	3.206880766	Residential	2.01E-07	0	5.1E-03
Phase2	591114.99	4140564.85	4.33128	2.05703	1.75025	0.50732	0.113370914	33.78417	23.07512	22.13263	10.87849	3.162274904	Residential	2.06E-07	0	5.2E-03
Phase2	591114.99	4140464.85	6.05135	1.79906	1.75078	0.44193	0.128259888	48.98895	20.55421	22.21257	10.41603	3.52468937	Residential	2.34E-07	0	5.9E-03
Phase1	591114.99	4140364.85	10.60583	1.54732	1.7516	0.38113	0.17717586	85.34162	18.43754	22.21679	10.02159	4.549791759	Residential	3.23E-07	0	8.2E-03
park	591214.99	4142664.85	0.43708	0.55563	0.27859	1.32421	0.087200874	8.77447	11.89454	25.01107	18.61683	3.080246445	Parks/Paths	1.59E-07	0	4.0E-03
park	591214.99	4142564.85	0.46847	0.62307	0.29407	1.56103	0.101651373	8.8517	12.13402	24.49342	20.22981	3.258203475	Parks/Paths	1.85E-07	0	4.7E-03
park	591214.99	4142464.85	0.50545	0.70615	0.31266	1.865	0.120121373	8.97137	12.45451	24.50849	24.42035	3.737656	Parks/Paths	2.19E-07	0	5.6E-03
path	591214.99	4142064.85	0.70819	1.20518	0.42171	4.89646	0.299162885	9.7845	14.23318	23.49568	56.52876	7.372243096	Parks/Paths	5.45E-07	1	1.4E-02
path	591214.99	4141964.85	0.77813	1.37587	0.46258	7.6913	0.46011956	10.22718	15.25377	23.2208	102.68431	12.56477402	Parks/Paths	8.38E-07	1	2.1E-02
Phase6	591214.99	4141764.85	0.94665	1.83769	0.56735	11.89844	0.705098639	11.22828	17.88289	22.1797	130.30826	15.72094907	Residential	1.28E-06	1	3.3E-02
Phase6	591214.99	4141664.85	1.04976	2.15145	0.63562	5.24155	0.331875662	11.83171	20.94164	22.18646	62.82442	8.255909406	Residential	6.04E-07	1	1.5E-02
Phase6	591214.99	4141564.85	1.17262	2.31311	0.66197	3.29942	0.224667927	12.49707	25.48346	22.11748	38.25499	5.622777936	Residential	4.09E-07	0	1.0E-02
Phase6	591214.99	4141464.85	1.28403	2.54196	0.73228	2.40911	0.177903803	13.23165	29.24021	22.08306	29.32321	4.724961537	Residential	3.24E-07	0	8.2E-03
Phase6	591214.99	4141364.85	1.43182	2.95685	0.84446	1.98874	0.160001134	14.10728	35.14656	22.07406	24.10944	4.293246519	Residential	2.91E-07	0	7.4E-03
offsite	591214.99	4141264.85	1.61037	3.83074	0.98056	1.71331	0.154259858	15.16046	33.5508	22.10354	21.48192	3.998463501	Residential	2.81E-07	0	7.1E-03
Phase6	591214.99	4141164.85	1.78845	5.16182	1.09896	1.42123	0.150701623	16.38887	42.49027	22.02654	19.35872	3.986041157	Residential	2.74E-07	0	7.0E-03
Phase7	591214.99	4141064.85	1.99903	8.32525	1.21237	1.18129	0.16372576	17.90114	63.65327	21.81821	17.54024	4.272182164	Residential	2.98E-07	0	7.6E-03
Phase7	591214.99	4140964.85	2.26451	27.35204	1.29265	1.00573	0.295777183	19.75908	169.85452	21.22879	15.74904	6.361593779	Residential	5.39E-07	1	1.4E-02
offsite	591214.99	4140864.85	2.63435	14.61979	1.35719	0.85548	0.199971956	22.55524	114.91405	20.1353	14.65905	5.143542477	Residential	3.64E-07	0	9.2E-03
Phase2	591214.99	4140764.85	3.14902	6.19548	1.40594	0.72466	0.13807587	26.47262	55.58062	20.01095	13.69821	3.899976241	Residential	2.51E-07	0	6.4E-03
Phase2	591214.99	4140664.85	3.8865	4.06175	1.44658	0.61774	0.125731146	32.11826	39.53579	19.95495	12.66123	3.616866481	Residential	2.29E-07	0	5.8E-03
Phase2	591214.99	4140564.85	5.15068	2.98274	1.47605	0.52839	0.128183012	41.28389	31.44642	19.74249	11.20275	3.559580219	Residential	2.33E-07	0	5.9E-03
Phase1	591214.99	4140464.85	7.92341	2.47062	1.48368	0.46209	0.153773133	64.68833	26.1711	20.05467	10.37289	4.078375711	Residential	2.80E-07	0	7.1E-03
Phase1	591214.99	4140364.85	23.17206	2.03861	1.48816	0.40133	0.328641133	185.01596	22.50868	20.13971	10.00677	7.648570052	Residential	5.98E-07	1	1.5E-02
offsite	591214.99	4139664.85	1.16475	0.70079	1.24467	0.18078	0.042103661	20.34938	12.59817	20.11723	8.70215	2.247317011	Residential	7.67E-08	0	1.9E-03
park	591239.54	4140294.63	16.30636	1.94141	1.43171	0.36951	0.243870858	189.94513	21.75846	19.71571	9.77967	7.750250134	Parks/Paths	4.44E-07	0	1.1E-02
park	591314.99	4142564.85	0.45253	0.55696	0.27837	1.52522	0.098788944	9.05947	11.52645	23.07717	23.6443	3.606603744	Parks/Paths	1.80E-07	0	4.6E-03
park	591314.99	4142464.85	0.48801	0.62114	0.29435	1.83854	0.117607054	9.16738	11.73017	22.75816	28.08328	4.104636597	Parks/Paths	2.14E-07	0	5.4E-03

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Risk Per Million (Residential 30-yr; school and park 9-yr): Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
path	591314.99	4141964.85	0.76973	1.13482	0.42424	8.19204	0.486264396	10.82873	13.39388	20.81617	116.93074	14.09148857	Parks/Paths	8.85E-07	1	2.2E-02
path	591314.99	4141764.85	0.95391	1.46045	0.50937	10.84487	0.642111489	11.9047	14.78016	20.47453	121.80677	14.6926248	Parks/Paths	1.17E-06	1	3.0E-02
Phase6	591314.99	4141664.85	1.06621	1.66404	0.56196	4.76343	0.300663003	12.54664	17.71035	20.47689	58.27145	7.66761958	Residential	5.47E-07	1	1.4E-02
Phase6	591314.99	4141564.85	1.20761	1.8151	0.59776	3.18046	0.214060719	13.28221	20.34939	20.44583	35.08144	5.151449524	Residential	3.90E-07	0	9.9E-03
Phase6	591314.99	4141464.85	1.3533	1.9889	0.64211	2.33442	0.169545756	14.09663	21.68717	20.40892	26.7603	4.273219817	Residential	3.09E-07	0	7.8E-03
Phase6	591314.99	4141364.85	1.50468	2.21293	0.71658	1.87894	0.147919412	15.06395	25.47559	20.33533	22.55905	3.911581261	Residential	2.69E-07	0	6.8E-03
Phase6	591314.99	4141264.85	1.69667	2.59916	0.81404	1.60556	0.138516003	16.23151	28.18914	20.21859	20.25624	3.744888236	Residential	2.52E-07	0	6.4E-03
Phase7	591314.99	4141164.85	1.89602	3.09844	0.90343	1.36353	0.131713934	17.62564	28.46636	19.84368	18.40578	3.57932235	Residential	2.40E-07	0	6.1E-03
Phase7	591314.99	4141064.85	2.146	3.95471	0.99183	1.171	0.130899949	19.61183	34.45392	18.97907	16.8642	3.577756483	Residential	2.38E-07	0	6.1E-03
Phase7	591314.99	4140964.85	2.45173	5.59429	1.08313	0.99422	0.137354138	22.1268	44.58863	18.4015	15.22083	3.674121149	Residential	2.50E-07	0	6.4E-03
Phase7	591314.99	4140864.85	2.88507	9.7966	1.14385	0.84673	0.165259013	25.39815	69.4697	18.39688	14.16049	4.18141758	Residential	3.01E-07	0	7.6E-03
offsite	591314.99	4140664.85	4.5256	11.49012	1.22952	0.63333	0.185848737	36.94566	93.14214	18.07936	12.51869	4.845747026	Residential	3.38E-07	0	8.6E-03
Phase2	591314.99	4140564.85	6.40934	5.70871	1.2567	0.54948	0.161849363	53.9204	50.12857	17.37126	11.56052	4.336263337	Residential	2.95E-07	0	7.5E-03
Phase1	591314.99	4140464.85	11.95194	3.88336	1.27398	0.47854	0.21070156	101.98174	37.60079	18.05018	10.34112	5.420745681	Residential	3.84E-07	0	9.7E-03
park	591314.99	4140264.85	7.01339	2.35123	1.28257	0.36835	0.134679823	90.76643	26.05622	18.50623	9.6683	4.766611726	Parks/Paths	2.45E-07	0	6.2E-03
offsite	591314.99	4139664.85	1.15118	0.85587	1.10775	0.19262	0.042317786	19.13894	13.67039	18.52348	8.4793	2.177518682	Residential	7.71E-08	0	2.0E-03
offsite	591314.99	4139564.85	0.9423	0.72519	1.04595	0.17611	0.037307698	17.8825	13.15981	18.50238	8.39272	2.118144502	Residential	6.79E-08	0	1.7E-03
offsite	591314.99	4139464.85	0.77727	0.6101	0.97345	0.16178	0.032944922	16.61889	12.72041	18.51087	8.35787	2.066406029	Residential	6.00E-08	0	1.5E-03
offsite	591314.99	4139364.85	0.64672	0.51114	0.89203	0.14918	0.029114863	15.66246	12.34347	18.50124	8.34464	2.027471736	Residential	5.30E-08	0	1.3E-03
offsite	591314.99	4139264.85	0.54312	0.42586	0.80528	0.13817	0.025739483	14.87982	12.02088	19.16541	8.34266	2.00913851	Residential	4.69E-08	0	1.2E-03
park	591338.72	4140348.36	15.23493	3.13636	1.24076	0.41353	0.240307355	178.59156	32.20878	18.01993	9.91372	7.605796495	Parks/Paths	4.38E-07	0	1.1E-02
school	591414.99	4142564.85	0.43534	0.5034	0.26428	1.47438	0.09516721	9.25925	10.87941	21.54791	26.69988	3.911621463	School	1.73E-07	0	4.4E-03
school	591414.99	4142464.85	0.4703	0.55487	0.27885	1.79579	0.114330998	9.39863	11.08811	21.29988	30.62833	4.354975014	School	2.08E-07	0	5.3E-03
offsite	591414.99	4141764.85	0.95457	1.20143	0.46106	9.87243	0.584603616	12.55534	13.42	19.1668	111.78924	13.5383489	Residential	1.06E-06	1	2.7E-02
path	591414.99	4141664.85	1.07909	1.3475	0.50303	4.52183	0.28421041	13.2328	14.93844	19.13723	52.80165	6.992669802	Parks/Paths	5.18E-07	1	1.3E-02
path	591414.99	4141564.85	1.22316	1.50744	0.55182	2.99672	0.201119643	14.02629	16.03722	19.10804	31.93649	4.705805784	Parks/Paths	3.66E-07	0	9.3E-03
Phase6	591414.99	4141464.85	1.40818	1.65085	0.60045	2.29591	0.165130807	14.95597	18.7263	19.00331	25.25729	4.042022554	Residential	3.01E-07	0	7.6E-03
Phase6	591414.99	4141364.85	1.5985	1.76918	0.62632	1.82254	0.141682391	16.02498	17.96279	18.73942	21.29515	3.610425597	Residential	2.58E-07	0	6.6E-03
Phase6	591414.99	4141264.85	1.80232	1.98047	0.69434	1.5317	0.129855341	17.43349	22.27048	18.17783	19.21126	3.500791021	Residential	2.36E-07	0	6.0E-03
Phase8	591414.99	4141164.85	2.00741	2.22262	0.76248	1.29964	0.121601215	19.16455	23.63063	17.29927	17.55935	3.381020811	Residential	2.21E-07	0	5.6E-03
Phase7	591414.99	4141064.85	2.28787	2.62617	0.83696	1.12853	0.118935984	21.32154	24.46958	17.0848	16.2153	3.310407048	Residential	2.17E-07	0	5.5E-03
Phase7	591414.99	4140964.85	2.6704	3.32124	0.91155	0.98353	0.121081116	24.13423	28.9075	17.08878	14.90545	3.343930269	Residential	2.20E-07	0	5.6E-03
park	591414.99	4140364.85	10.16199	5.24119	1.11718	0.43338	0.195069903	129.39074	46.6634	16.66524	9.93467	6.380157544	Parks/Paths	3.55E-07	0	9.0E-03
park	591414.99	4140264.85	5.01111	3.63885	1.1209	0.38354	0.119384184	70.40972	35.89486	17.05829	9.61651	4.317318124	Parks/Paths	2.17E-07	0	5.5E-03
offsite	591414.99	4139764.85	1.35556	1.27722	1.03434	0.224	0.048822963	23.36207	18.50619	17.23881	8.45996	2.382401318	Residential	8.89E-08	0	2.3E-03
offsite	591414.99	4139664.85	1.12566	1.07344	0.99556	0.20406	0.043076949	20.05199	16.87026	17.24369	8.40248	2.240074229	Residential	7.84E-08	0	2.0E-03
offsite	591414.99	4139564.85	0.93975	0.89937	0.94841	0.18675	0.038132025	17.51915	15.43207	17.23014	8.3575	2.126786761	Residential	6.94E-08	0	1.8E-03
offsite	591414.99	4139464.85	0.78827	0.7492	0.89294	0.17161	0.033806756	16.36762	14.12664	17.23222	8.32075	2.059847833	Residential	6.16E-08	0	1.6E-03
offsite	591414.99	4139364.85	0.66498	0.6197	0.82988	0.15833	0.029993481	15.21261	13.14542	17.22206	8.28986	2.000074699	Residential	5.46E-08	0	1.4E-03
offsite	591414.99	4139264.85	0.56472	0.50931	0.76134	0.14667	0.026627783	14.40256	12.75642	17.21285	8.26355	1.963915723	Residential	4.85E-08	0	1.2E-03
school	591514.99	4142364.85	0.48972	0.54975	0.27975	2.17454	0.136008674	10.05628	10.76451	19.20258	37.46987	5.093479521	School	2.48E-07	0	6.3E-03
offsite	591514.99	4141764.85	0.94674	1.01281	0.41987	8.89615	0.527361558	13.1436	12.40661	18.08965	100.84872	12.29065356	Residential	9.60E-07	1	2.4E-02
offsite	591514.99	4141664.85	1.0852	1.12384	0.4547	4.33521	0.271578253	13.87507	12.90576	18.02797	46.76314	6.27278398	Residential	4.95E-07	0	1.3E-02
path	591514.99	4141564.85	1.24921	1.24503	0.49445	2.89147	0.192963353	14.7284	14.23684	17.87857	33.49285	4.839877578	Parks/Paths	3.51E-07	0	8.9E-03
path	591514.99	4141464.85	1.43831	1.37437	0.53842	2.18089	0.156318702	15.81862	15.81251	17.49414	25.2099	3.97275952	Parks/Paths	2.85E-07	0	7.2E-03
Phase6	591514.99	4141364.85	1.65362	1.51507	0.58757	1.75846	0.136459591	17.11532	16.51461	16.72397	20.43508	3.478537642	Residential	2.48E-07	0	6.3E-03
Phase8	591514.99	4141264.85	1.92628	1.60479	0.60809	1.49117	0.125412036	18.6905	16.1404	16.13712	18.32215	3.271348065	Residential	2.28E-07	0	5.8E-03
Phase8	591514.99	4141164.85	2.17632	1.75849	0.65896	1.26282	0.117082214	20.57274	19.66095	16.03111	16.83581	3.235135446	Residential	2.13E-07	0	5.4E-03
Phase8	591514.99	4141064.85	2.48738	1.99927	0.72001	1.09994	0.113927604	23.00342	20.64995	16.02068	15.63305	3.195779168	Residential	2.07E-07	0	5.3E-03
Phase8	591514.99	4140964.85	2.93086	2.36148	0.78188	0.96874	0.115033803	26.29713	21.21262	15.95522	14.5292	3.183870419	Residential	2.09E-07	0	5.3E-03
offsite	591514.99	4140464.85	23.00159	12.36009	0.9702	0.50163	0.401794486	243.55047	88.84668	15.06368	10.76601	10.83183597	Residential	7.32E-07	1	1.9E-02
offsite	591514.99	4139864.85	1.53517	2.07866	0.95386	0.25939	0.057944525	26.99242	25.34809	16.21299	8.4632	2.6189804	Residential	1.06E-07	0	2.7E-03
offsite	591514.99	4139764.85	1.2927	1.69431	0.93071	0.23578	0.050693271	22.02969	22.68506	16.20393	8.40091	2.403507656	Residential	9.23E-08	0	2.3E-03
offsite	591514.99	4139664.85	1.09422	1.39509	0.90128	0.21518	0.044688336	19.97767	20.62091	16.21329	8.3524	2.29176864	Residential	8.14E-08	0	2.1E-03
offsite	591514.99	4139564.85	0.92906	1.15069	0.86515	0.19715	0.039553624	16.95905	18.92463	16.20057	8.31407	2.15890267	Residential	7.20E-08	0	1.8E-03
offsite	591514.99	4139464.85	0.79124	0.9454	0.82219	0.18135	0.035083414	16.0937	17.47433	16.2069	8.28657	2.098787101	Residential	6.39E-08	0	1.6E-03
offsite	591514.99	4139364.85	0.67631	0.77039	0.77279	0.16746	0.031146623	15.25803	16.19399	16.19192	8.26766	2.043726104	Residential	5.67E-08	0	1.4E-03
offsite	591514.99	4139264.85	0.58071	0.62326	0.71833	0.15515	0.027679098	14.44075	15.02801	16.19595	8.25112	1.992273254	Residential	5.04E-08	0	1.3E-03
offsite	591614.99	4141764.85	0.93087	0.87059	0.38602	8.23527	0.488319204	13.75825	11.62333	17.15863	91.09072	11.18368898	Residential	8.89E-07	1	2.3E-02
offsite	591614.99	4141664.85	1.08096	0.95736	0.41452	4.16423	0.26020906	14.5986	11.98119	16.88861	47.37929	6.322573905	Residential	4.74E-07	0	1.2E-02
offsite	591614.99	4141564.85	1.26552	1.0519	0.44698	2.80567	0.186399231	15.58833	12.72615	16.36426	33.48658	4.804680735	Residential	3.39E-07	0	8.6E-03
offsite	591614.99	4141464.85	1.48896	1.15358	0.48394	2.12615	0.151650769	16.78498	13.12667	15.52759	26.5123	4.053733696	Residential	2.76E-07	0	7.0E-03
path	591614.99	4141364.85	1.74873	1.26256	0.52339	1.71179	0.132447384	18.14483	14.79707	15.20694	21.16954	3.526967132	Parks/Paths	2.41E-07	0	6.1E-03
path	591614.99	4141264.85	2.04575	1.3824	0.5668	1.43326	0.121508313	19.82947	14.3478	15.21677	17.81641	3.194221219	Parks/Paths	2.21E-07	0	5.6E-03
Phase8	591614.99	4141164.85	2.41135	1.47015	0.58384	1.24365	0.115920307	21.98653	15.24073	15.17111	16.20898	3.098514489	Residential	2.11E-07	0	5.4E-03
Phase8	591614.99	4141064.85	2.77018	1.61525	0.62915	1.07891	0.11237117	24.70469	17.66254	15.1018	15.10704	3.108395329	Residential	2.05E-07	0	5.2E-03
Phase8	591614.99	4140964.85	3.22185	1.88896	0.70156	0.94126	0.112676505	29.86837	18.57728	14.84798	14.1547	3.174572338	Residential	2.05E-07	0	5.2E-03
offsite	591614.99	4140464.85	8.99222	4.91637	0.85639	0.51102	0.180494161	113.95739	40.10461	14.20467	10.70109	5.807410455	Residential	3.29E-07	0	8.3E-03
offsite	591614.99	4140364.85	4.74091	7.39036	0.87045	0.45593	0.144887863	62.21301	56.25728	14.21264	10.11663	4.498025059	Residential	2.64E-07	0	6.7E-03
offsite	591614.99	4140264.85	3.27877	16.76869	0.87883	0.408	0.192890821	49.20627	110.22987	14.2154	9.27771	5.146178828	Residential	3.51E-07	0	8.9E-03
offsite	591614.99	4139864.85	1.43873	3.16151	0.86041	0.27092	0.06433602	24.99283	33.21954	15.34169	8.40122	2.700465893	Residential	1.17E-07	0	3.0E-03
offsite	591614.99	4139764.85	1.23161	2.42195	0.84349	0.24685	0.054967276	22.33837	28.28947	15.37353	8.34262	2.509009999	Residential	1.00E-07	0	2.5E-03
offsite	591614.99	4139664.85	1.05911	1.91649	0.8211	0.22577	0.047821235	19.33035	24.97217	15.37912	8.30134	2.342235494	Residential	8.71E-08	0	2.2E-03
offsite	591614.99	4139564.85	0.91279	1.53877	0.79317	0.20724	0.042000318	17.0348	22.56741	15.38122	8.26991	2.217609083	Residential	7.65E-08	0	1.9E-03
offsite	591614.99	4139464.85	0.78804	1.23903	0.75968	0.19088	0.037066989	15.68428	20.71134	15.37648	8.24608	2.134252533	Residential	6.75E-08	0	1.7E-03
offsite	591614.99	4139364.85	0.68183	0.99236	0.72077	0.17643	0.032791224	14.43265	19.19674	15.3763	8.23045	2.062145778	Residential	5.97E-08	0	1.5E-03
offsite	591614.99	4139264.85	0.59171	0.78804	0.67717	0.16358	0.029056115	13.34494	17.9077	15.37066	8.22022	2.000327565	Residential	5.29E-08	0	1.3E-03
offsite	591714.99	4141764.85	0.90345	0.75988	0.35743	7.65166	0.453803662	14.41927	10.86984	16.07676	81.88394	10.1375493	Residential	8.26E-07	1	2.1E-02

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Risk Per Million (Residential 30-yr; school and park 9-yr): Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	591714.99	4141664.85	1.06338	0.82989	0.38136	4.01421	0.250225371	15.27307	11.16071	15.36666	47.25985	6.283474624	Residential	4.56E-07	0	1.2E-02
offsite	591714.99	4141564.85	1.26791	0.9057	0.40833	2.735	0.180959287	16.27346	11.50889	14.76294	33.0891	4.724908274	Residential	3.30E-07	0	8.4E-03
offsite	591714.99	4141464.85	1.52608	0.98666	0.43818	2.07743	0.147644437	17.4354	11.91514	14.57141	26.8659	4.069351416	Residential	2.69E-07	0	6.8E-03
offsite	591714.99	4141364.85	1.84668	1.07392	0.47158	1.67756	0.129765928	19.26665	12.95785	14.50172	22.18549	3.622644641	Residential	2.36E-07	0	6.0E-03
path	591714.99	4141264.85	2.22829	1.16753	0.50742	1.40489	0.119896596	21.54954	13.40926	14.50109	18.42673	3.281690504	Parks/Paths	2.18E-07	0	5.5E-03
path	591714.99	4141164.85	2.66681	1.27196	0.54513	1.20456	0.11490371	23.6326	13.64231	14.40325	15.90021	3.065972855	Parks/Paths	2.09E-07	0	5.3E-03
Phase8	591714.99	4141064.85	3.19908	1.38521	0.58128	1.06006	0.114239341	28.62522	14.43697	14.1667	14.63881	3.090131586	Residential	2.08E-07	0	5.3E-03
offsite	591714.99	4140564.85	20.60653	2.56829	0.74286	0.57836	0.304267565	213.19756	22.72021	13.27939	10.97691	8.494025667	Residential	5.54E-07	1	1.4E-02
offsite	591714.99	4140464.85	6.12762	3.08179	0.76224	0.51772	0.132512008	79.69852	27.18449	13.44866	10.56295	4.454797824	Residential	2.41E-07	0	6.1E-03
school	591714.99	4140364.85	3.83186	3.85794	0.777	0.46448	0.107965788	50.3999	33.2871	13.48311	10.13602	3.638926551	School	1.97E-07	0	5.0E-03
offsite	591714.99	4140264.85	2.82611	5.19026	0.78669	0.41774	0.103115926	42.70107	42.6441	13.50144	9.57644	3.538507694	Residential	1.88E-07	0	4.8E-03
offsite	591714.99	4140164.85	2.24447	8.13208	0.7917	0.37675	0.115263589	37.47483	61.30628	13.49154	8.7595	3.68114845	Residential	2.10E-07	0	5.3E-03
offsite	591714.99	4140064.85	1.85647	22.45531	0.79225	0.34083	0.212513089	27.52084	142.62507	13.92389	8.55006	5.079295372	Residential	3.87E-07	0	9.8E-03
offsite	591714.99	4139964.85	1.57357	16.58277	0.78854	0.30934	0.164726234	24.35482	121.22777	14.36463	8.44759	4.527105864	Residential	3.00E-07	0	7.6E-03
offsite	591714.99	4139864.85	1.35366	6.43512	0.78078	0.28167	0.086853011	22.98238	54.64903	14.57379	8.36705	3.073193214	Residential	1.58E-07	0	4.0E-03
offsite	591714.99	4139764.85	1.17435	4.04946	0.76862	0.25735	0.065910033	21.90096	39.57736	14.66602	8.30906	2.716860113	Residential	1.20E-07	0	3.0E-03
offsite	591714.99	4139664.85	1.02304	2.9109	0.75187	0.23589	0.054460742	18.37446	32.15594	14.70316	8.26471	2.447735892	Residential	9.92E-08	0	2.5E-03
offsite	591714.99	4139564.85	0.89289	2.21081	0.73037	0.21692	0.046535587	16.90401	27.66627	14.71323	8.23336	2.304496884	Residential	8.47E-08	0	2.2E-03
offsite	591714.99	4139464.85	0.78028	1.71625	0.7041	0.20016	0.040385749	13.85329	24.63253	14.71721	8.21648	2.145104279	Residential	7.35E-08	0	1.9E-03
offsite	591714.99	4139364.85	0.68262	1.33965	0.6733	0.18521	0.035325024	13.2449	22.4331	14.71707	8.19827	2.077948121	Residential	6.43E-08	0	1.6E-03
offsite	591714.99	4139264.85	0.59834	1.03883	0.63829	0.17188	0.031021322	12.8875	20.74173	14.71415	8.18928	2.030196234	Residential	5.65E-08	0	1.4E-03
offsite	591814.99	4141764.85	0.86186	0.67106	0.33248	7.08859	0.420480684	15.0696	9.95788	14.44611	77.77475	9.647434444	Residential	7.66E-07	1	1.9E-02
offsite	591814.99	4141664.85	1.02682	0.72892	0.35305	3.86131	0.240095147	16.1052	10.22909	14.30781	46.55883	6.190651014	Residential	4.37E-07	0	1.1E-02
offsite	591814.99	4141564.85	1.24671	0.7911	0.37589	2.66585	0.175618545	17.28019	10.53492	14.07938	33.82335	4.804247194	Residential	3.20E-07	0	8.1E-03
offsite	591814.99	4141464.85	1.54168	0.85783	0.40162	2.03928	0.14435315	18.67455	11.00301	13.95194	26.86756	4.076400005	Residential	2.63E-07	0	6.7E-03
offsite	591814.99	4141364.85	1.93109	0.92809	0.42908	1.64892	0.127647471	20.32717	11.29255	13.93523	22.73197	3.670256806	Residential	2.32E-07	0	5.9E-03
offsite	591814.99	4141264.85	2.43307	1.00347	0.45869	1.38136	0.119302929	23.35135	12.30042	13.83844	19.24624	3.392477258	Residential	2.17E-07	0	5.5E-03
path	591814.99	4141164.85	3.0559	1.08506	0.49041	1.18586	0.11654865	27.91358	12.27824	13.60655	16.41956	3.211195533	Parks/Paths	2.12E-07	0	5.4E-03
path	591814.99	4141064.85	3.8012	1.17767	0.52298	1.03394	0.117810954	33.8846	12.87367	13.12828	14.42144	3.174101879	Parks/Paths	2.15E-07	0	5.4E-03
offsite	591814.99	4140564.85	9.4551	1.95592	0.66472	0.58146	0.166531596	109.86191	18.23908	12.41786	10.77543	5.194079469	Residential	3.03E-07	0	7.7E-03
school	591814.99	4140464.85	4.73376	2.24204	0.68332	0.5231	0.109325351	63.30257	20.74455	12.74636	10.40808	3.785600191	School	1.99E-07	0	5.1E-03
school	591814.99	4140364.85	3.24674	2.62557	0.69794	0.47159	0.091648716	46.03566	24.23499	12.86319	10.06093	3.293688184	School	1.67E-07	0	4.2E-03
offsite	591814.99	4140264.85	2.49585	3.17043	0.70848	0.42609	0.084197849	37.76682	28.76	12.887	9.66571	3.092190072	Residential	1.53E-07	0	3.9E-03
offsite	591814.99	4140164.85	2.03195	4.01292	0.71495	0.38591	0.082579375	33.69177	35.05451	12.89641	9.12111	3.03959906	Residential	1.50E-07	0	3.8E-03
offsite	591814.99	4140064.85	1.7098	5.51217	0.71776	0.35051	0.087644147	24.47175	45.22593	12.89246	8.54634	2.907654594	Residential	1.60E-07	0	4.1E-03
offsite	591814.99	4139964.85	1.46868	9.07621	0.71683	0.31927	0.108847245	20.88902	67.3423	13.33172	8.44875	3.262682887	Residential	1.98E-07	0	5.0E-03
offsite	591814.99	4139864.85	1.27798	34.79027	0.71231	0.29161	0.291484989	21.03101	211.70809	13.78482	8.36046	6.316342828	Residential	5.31E-07	1	1.3E-02
offsite	591814.99	4139764.85	1.12084	12.69136	0.70395	0.26713	0.127842538	21.02052	94.23151	14.01478	8.29391	3.830623083	Residential	2.33E-07	0	5.9E-03
offsite	591814.99	4139664.85	0.98716	5.72185	0.69151	0.24547	0.074340522	17.47245	50.77516	14.11964	8.25181	2.800944571	Residential	1.35E-07	0	3.4E-03
offsite	591814.99	4139564.85	0.871	3.67466	0.67503	0.22621	0.056846008	16.55153	37.87543	14.1651	8.21995	2.497453052	Residential	1.04E-07	0	2.6E-03
offsite	591814.99	4139464.85	0.76921	2.61971	0.65448	0.20906	0.046797235	14.55211	31.21282	14.18187	8.20192	2.293708486	Residential	8.52E-08	0	2.2E-03
offsite	591814.99	4139364.85	0.67963	1.94782	0.63011	0.19369	0.039733595	12.56613	27.11176	14.18916	8.17522	2.143351899	Residential	7.24E-08	0	1.8E-03
offsite	591814.99	4139264.85	0.6013	1.45642	0.60184	0.18	0.034167791	12.31763	24.32049	14.18852	8.16575	2.075685121	Residential	6.22E-08	0	1.6E-03
offsite	591914.99	4141764.85	0.80764	0.5994	0.31123	6.61805	0.392416607	16.74809	9.14196	13.96192	74.28355	9.281873449	Residential	7.15E-07	1	1.8E-02
offsite	591914.99	4141664.85	0.96928	0.64742	0.32868	3.70791	0.229869103	18.12913	9.31226	13.66934	46.19481	6.180381008	Residential	4.19E-07	0	1.1E-02
offsite	591914.99	4141564.85	1.19401	0.69907	0.34811	2.59335	0.169925202	19.78661	9.51725	13.475	34.17149	4.886938725	Residential	3.09E-07	0	7.9E-03
offsite	591914.99	4141464.85	1.51405	0.75458	0.37014	1.99727	0.140566995	21.79795	10.1237	13.47665	26.60314	4.114868485	Residential	2.56E-07	0	6.5E-03
offsite	591914.99	4141364.85	1.97263	0.8127	0.39335	1.62046	0.125320277	24.26546	10.061	13.38953	22.81937	3.764258413	Residential	2.28E-07	0	5.8E-03
offsite	591914.99	4141264.85	2.62933	0.87441	0.41826	1.3598	0.119059601	27.39548	11.06267	13.14479	19.77834	3.536506256	Residential	2.17E-07	0	5.5E-03
offsite	591914.99	4141164.85	3.55466	0.94075	0.44527	1.16866	0.119991621	32.75935	11.41371	12.72463	17.10612	3.401354613	Residential	2.18E-07	0	5.5E-03
offsite	591914.99	4141064.85	4.8395	1.01346	0.4731	1.02082	0.127710172	38.09111	11.31382	12.33912	14.88323	3.306611543	Residential	2.33E-07	0	5.9E-03
path	591914.99	4140964.85	6.70037	1.09475	0.501	0.90194	0.143986203	57.68975	11.89518	11.5919	13.27395	3.725135279	Parks/Paths	2.62E-07	0	6.7E-03
path	591914.99	4140864.85	10.21216	1.1869	0.52859	0.8037	0.181147628	101.5929	12.5899	11.59672	12.43141	4.99088516	Parks/Paths	3.30E-07	0	8.4E-03
offsite	591914.99	4140664.85	19.31667	1.41957	0.5778	0.64716	0.282778971	238.36002	14.80757	11.58543	10.99223	9.067179805	Residential	5.15E-07	1	1.3E-02
offsite	591914.99	4140564.85	6.27013	1.56954	0.59874	0.58357	0.125275093	77.00926	15.6518	11.57716	10.59066	4.096059763	Residential	2.28E-07	0	5.8E-03
offsite	591914.99	4140464.85	3.84567	1.75175	0.61629	0.52728	0.094745608	49.76731	17.05219	12.06002	10.25039	3.262103139	Residential	1.73E-07	0	4.4E-03
school	591914.99	4140364.85	2.81788	1.9806	0.63089	0.47754	0.081510189	39.56552	19.17819	12.29479	9.95406	2.965776244	School	1.48E-07	0	3.8E-03
park	591914.99	4140264.85	2.23739	2.27644	0.64187	0.43332	0.074357254	34.4267	21.99086	12.37556	9.65475	2.835816871	Parks/Paths	1.35E-07	0	3.4E-03
offsite	591914.99	4140164.85	1.85805	2.677	0.6494	0.39405	0.070601693	30.61911	25.52691	12.39583	9.28464	2.752857879	Residential	1.29E-07	0	3.3E-03
offsite	591914.99	4140064.85	1.58538	3.25463	0.65374	0.35921	0.069617578	22.48779	30.11707	12.4042	8.75316	2.54141409	Residential	1.27E-07	0	3.2E-03
offsite	591914.99	4139964.85	1.37683	4.17326	0.6549	0.32826	0.072057309	19.93064	36.73169	12.40022	8.45999	2.569964088	Residential	1.31E-07	0	3.3E-03
offsite	591914.99	4139864.85	1.20984	5.86384	0.65286	0.30075	0.080752759	19.21822	48.02438	12.8527	8.37433	2.785816826	Residential	1.47E-07	0	3.7E-03
offsite	591914.99	4139764.85	1.07101	10.27715	0.64742	0.27628	0.109670097	19.89416	75.08323	13.31819	8.31022	3.380016554	Residential	2.00E-07	0	5.1E-03
offsite	591914.99	4139664.85	0.95201	43.46165	0.63847	0.25446	0.347634115	17.91643	255.97374	13.56554	8.25993	7.140835705	Residential	6.33E-07	1	1.6E-02
offsite	591914.99	4139564.85	0.84788	10.14183	0.62598	0.23499	0.103470616	15.9139	79.69559	13.68404	8.22682	3.353179757	Residential	1.88E-07	0	4.8E-03
offsite	591914.99	4139464.85	0.7557	5.0528	0.61002	0.21756	0.064305997	14.7511	47.58704	13.73789	8.19805	2.636889525	Residential	1.17E-07	0	3.0E-03
offsite	591914.99	4139364.85	0.67377	3.25717	0.59064	0.20188	0.049216313	12.33426	36.40734	13.76202	8.17195	2.324144209	Residential	8.96E-08	0	2.3E-03
offsite	591914.99	4139264.85	0.6012	2.25767	0.5678	0.18786	0.040071067	11.73776	30.39788	13.772	8.1606	2.177804878	Residential	7.30E-08	0	1.9E-03
offsite	592014.99	4141764.85	0.74252	0.54016	0.29245	6.15151	0.364565375	17.66715	8.40789	13.34702	70.99747	8.915219456	Residential	6.64E-07	1	1.7E-02
offsite	592014.99	4141664.85	0.89254	0.58071	0.30759	3.55185	0.219405149	19.39815	8.54522	13.11876	45.85905	6.154984883	Residential	4.00E-07	0	1.0E-02
offsite	592014.99	4141564.85	1.10752	0.6241	0.32427	2.51556	0.163694582	21.52957	8.71506	13.08358	34.12328	4.910524964	Residential	2.98E-07	0	7.6E-03
offsite	592014.99	4141464.85	1.43013	0.67085	0.34323	1.95079	0.136046775	24.34338	9.24534	13.02704	26.95696	4.205290361	Residential	2.48E-07	0	6.3E-03
offsite	592014.99	4141364.85	1.93297	0.71954	0.36303	1.58922	0.122086877	28.10062	9.61653	12.79188	22.69035	3.846531987	Residential	2.22E-07	0	5.6E-03
offsite	592014.99	4141264.85	2.75092	0.77096	0.38446	1.33745	0.118137754	33.46518	9.81219	12.40134	19.97354	3.703696407	Residential	2.15E-07	0	5.5E-03
offsite	592014.99	4141164.85	4.11581	0.82563	0.40723	1.15133	0.124454825	42.19442	10.63539	12.05739	17.61069	3.717698363	Residential	2.27E-07	0	5.8E-03
offsite	592014.99	4141064.85	6.52847	0.88458	0.4311	1.00763	0.145683919	60.05677	10.54722	11.27995	15.46971	4.008823987	Residential	2.65E-07	0	6.7E-03
offsite	592014.99	4140964.85	12.76484	0.94918	0.45533	0.89234	0.214055939	105.04643	10.57628	11.21825	13.68109	5.18670673	Residential	3.90E-07	0	9.9E-03
offsite	592014.99	4140764.85	12.78343	1.10228	0.5023	0.71616	0.205885883	187.67993	11.88555	11.21868	11.59399	7.512871579	Residential	3.75E-07	0	9.5E-03

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Risk Per Million (Residential 30-yr; school and park 9-yr): Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592014.99	4140664.85	6.74011	1.19379	0.52261	0.64557	0.130865856	115.5969	13.18206	11.1787	10.85764	5.248473442	Residential	2.38E-07	0	6.1E-03
offsite	592014.99	4140564.85	4.4147	1.30222	0.54251	0.58472	0.100745347	62.01481	14.03085	11.17947	10.43912	3.577823287	Residential	1.83E-07	0	4.7E-03
offsite	592014.99	4140464.85	3.17466	1.4286	0.55932	0.53052	0.084011743	41.43951	14.87575	11.32149	10.11229	2.931392441	Residential	1.53E-07	0	3.9E-03
offsite	592014.99	4140364.85	2.46748	1.5799	0.57337	0.48236	0.074111701	35.89017	16.12615	11.7443	9.84083	2.765490747	Residential	1.35E-07	0	3.4E-03
offsite	592014.99	4140264.85	2.01827	1.76456	0.58427	0.43932	0.067780102	31.78638	17.91767	11.91127	9.58928	2.652656328	Residential	1.23E-07	0	3.1E-03
offsite	592014.99	4140164.85	1.70712	1.99763	0.5926	0.40103	0.063684686	28.09521	20.23379	11.96905	9.32471	2.560008125	Residential	1.16E-07	0	2.9E-03
offsite	592014.99	4140064.85	1.47516	2.30181	0.59825	0.36687	0.061253492	21.11356	23.08111	11.98935	8.9703	2.366997444	Residential	1.12E-07	0	2.8E-03
offsite	592014.99	4139964.85	1.29418	2.71985	0.60098	0.33633	0.060429617	19.04928	26.62308	11.99152	8.47171	2.322862995	Residential	1.10E-07	0	2.8E-03
offsite	592014.99	4139864.85	1.14725	3.33216	0.60088	0.30904	0.061574884	17.64218	31.35597	11.99222	8.38748	2.370349215	Residential	1.12E-07	0	2.8E-03
offsite	592014.99	4139764.85	1.02396	4.32805	0.59775	0.28465	0.065916727	18.65739	38.43855	12.4688	8.32746	2.553503784	Residential	1.20E-07	0	3.0E-03
offsite	592014.99	4139664.85	0.91759	6.24955	0.59159	0.26274	0.077283104	17.86209	51.15797	12.94051	8.26658	2.80010365	Residential	1.41E-07	0	3.6E-03
offsite	592014.99	4139564.85	0.82396	11.92527	0.58226	0.24319	0.116133857	15.13244	85.39204	13.20335	8.24061	3.441966085	Residential	2.11E-07	0	5.4E-03
offsite	592014.99	4139464.85	0.74046	42.05746	0.56991	0.22558	0.332583135	14.57557	255.96593	13.33765	8.21128	7.02851047	Residential	6.06E-07	1	1.5E-02
offsite	592014.99	4139364.85	0.66558	8.38922	0.55453	0.2097	0.086413833	12.96688	69.03078	13.4013	8.18779	3.027761998	Residential	1.57E-07	0	4.0E-03
offsite	592014.99	4139264.85	0.59849	4.3609	0.53614	0.19539	0.055393422	11.17848	44.90882	13.43044	8.17036	2.46186064	Residential	1.01E-07	0	2.6E-03
offsite	592114.99	4141764.85	0.67207	0.49073	0.27587	5.67744	0.336317784	19.62275	7.86694	12.84033	68.10612	8.630625022	Residential	6.12E-07	1	1.6E-02
offsite	592114.99	4141664.85	0.80282	0.52523	0.28908	3.37869	0.207925472	22.10821	7.95874	12.79973	45.22068	6.14813298	Residential	3.79E-07	0	9.6E-03
offsite	592114.99	4141564.85	0.99307	0.56224	0.30366	2.42406	0.156482624	25.43109	8.11537	12.70852	33.83301	4.977766972	Residential	2.85E-07	0	7.2E-03
offsite	592114.99	4141464.85	1.28751	0.60191	0.32005	1.8941	0.130395345	29.98913	8.40802	12.50862	27.39001	4.399123004	Residential	2.37E-07	0	6.0E-03
offsite	592114.99	4141364.85	1.77863	0.64316	0.33711	1.55163	0.117296563	36.40381	9.13341	12.14613	22.50066	4.057187162	Residential	2.14E-07	0	5.4E-03
offsite	592114.99	4141264.85	2.68524	0.68653	0.35551	1.31106	0.114947342	45.89349	8.82866	11.84796	19.95215	4.050762923	Residential	2.09E-07	0	5.3E-03
offsite	592114.99	4141164.85	4.57472	0.7323	0.37503	1.13209	0.127812126	61.25015	9.75166	11.16882	17.85016	4.292717936	Residential	2.33E-07	0	5.9E-03
offsite	592114.99	4141064.85	9.34722	0.78106	0.39559	0.99336	0.177287751	104.35295	10.06975	10.91758	15.94018	5.401698885	Residential	3.23E-07	0	8.2E-03
path	592114.99	4140864.85	9.80963	0.89104	0.43764	0.78986	0.17248462	135.37433	10.21692	10.91637	12.72468	5.995634937	Parks/Paths	3.14E-07	0	8.0E-03
path	592114.99	4140764.85	5.87519	0.95409	0.45795	0.71185	0.121924996	123.2598	10.66553	10.90629	11.62512	5.510735888	Parks/Paths	2.22E-07	0	5.6E-03
offsite	592114.99	4140664.85	4.26929	1.02513	0.47629	0.6436	0.099656915	78.10092	11.38561	10.84667	10.86186	4.0557445	Residential	1.81E-07	0	4.6E-03
offsite	592114.99	4140564.85	3.30773	1.10665	0.49471	0.58501	0.085678549	51.50829	12.59088	10.86079	10.36182	3.210736932	Residential	1.56E-07	0	4.0E-03
offsite	592114.99	4140464.85	2.63399	1.19888	0.51036	0.53265	0.075526309	37.69116	13.41443	10.86863	10.00717	2.765254808	Residential	1.38E-07	0	3.5E-03
offsite	592114.99	4140364.85	2.16039	1.30576	0.52369	0.48598	0.06815977	32.87678	14.23113	11.16247	9.7371	2.610400617	Residential	1.24E-07	0	3.2E-03
offsite	592114.99	4140264.85	1.82132	1.43189	0.53498	0.4444	0.06280068	29.60928	15.34276	11.47605	9.51743	2.515190227	Residential	1.14E-07	0	2.9E-03
offsite	592114.99	4140164.85	1.5695	1.58312	0.5435	0.40699	0.058869288	26.0265	16.88532	11.59655	9.30511	2.416559655	Residential	1.07E-07	0	2.7E-03
offsite	592114.99	4140064.85	1.37403	1.76882	0.54984	0.3735	0.056057915	19.93559	18.82503	11.63955	9.05914	2.244226401	Residential	1.02E-07	0	2.6E-03
offsite	592114.99	4139964.85	1.21757	2.0046	0.55373	0.34343	0.054242362	18.25114	21.17327	11.65244	8.7059	2.202968608	Residential	9.88E-08	0	2.5E-03
offsite	592114.99	4139864.85	1.08843	2.31499	0.55511	0.31644	0.053441596	16.40851	23.99978	11.65376	8.42043	2.174329519	Residential	9.73E-08	0	2.5E-03
offsite	592114.99	4139764.85	0.97892	2.74604	0.55383	0.2922	0.053877901	17.40441	27.59609	11.65367	8.33641	2.271436923	Residential	9.81E-08	0	2.5E-03
offsite	592114.99	4139664.85	0.88376	3.3905	0.54981	0.2704	0.056142838	17.45342	32.5569	12.15721	8.28994	2.382182879	Residential	1.02E-07	0	2.6E-03
offsite	592114.99	4139564.85	0.79945	4.4693	0.54307	0.25076	0.061781656	14.7899	40.2451	12.63917	8.25437	2.468253613	Residential	1.12E-07	0	2.9E-03
offsite	592114.99	4139464.85	0.72375	6.67613	0.53365	0.23303	0.075785752	14.15473	54.82002	12.91365	8.22293	2.758493691	Residential	1.38E-07	0	3.5E-03
offsite	592114.99	4139364.85	0.6554	14.456	0.52148	0.21704	0.130372445	13.20658	100.6322	13.06262	8.20738	3.698585024	Residential	2.37E-07	0	6.0E-03
offsite	592114.99	4139264.85	0.59354	30.51097	0.50669	0.20252	0.245117416	11.24361	205.25518	13.1348	8.19126	5.848756736	Residential	4.46E-07	0	1.1E-02
offsite	592214.99	4141664.85	0.71066	0.47867	0.27277	3.14223	0.192915301	25.41219	7.64743	12.48078	44.44292	6.149703935	Residential	3.51E-07	0	8.9E-03
offsite	592214.99	4141564.85	0.86607	0.51033	0.28546	2.29838	0.147280603	28.85606	7.77304	12.25323	33.46579	5.025705898	Residential	2.68E-07	0	6.8E-03
offsite	592214.99	4141464.85	1.1066	0.54444	0.29985	1.81839	0.123324131	33.12009	7.95508	11.94997	27.53439	4.490966069	Residential	2.25E-07	0	5.7E-03
offsite	592214.99	4141364.85	1.51653	0.57971	0.31459	1.50249	0.110698524	39.51796	8.6059	11.68024	22.70738	4.155684056	Residential	2.02E-07	0	5.1E-03
offsite	592214.99	4141264.85	2.33382	0.61671	0.33053	1.27748	0.108097233	54.58682	8.53116	11.09144	19.83567	4.283367607	Residential	1.97E-07	0	5.0E-03
offsite	592214.99	4141164.85	4.41676	0.65545	0.34727	1.10815	0.123730178	90.16065	8.83575	10.74395	17.89302	5.155878556	Residential	2.25E-07	0	5.7E-03
offsite	592214.99	4141064.85	13.74871	0.69647	0.36516	0.97601	0.22773548	189.20208	9.49282	10.70203	16.20611	8.014964596	Residential	4.15E-07	0	1.1E-02
path	592214.99	4140764.85	4.03416	0.83839	0.42	0.70571	0.098442697	94.95206	9.86085	10.64288	11.95978	4.658768218	Parks/Paths	1.79E-07	0	4.6E-03
offsite	592214.99	4140664.85	3.18154	0.89405	0.43663	0.64033	0.085169164	62.60934	10.26024	10.5444	11.032	3.570550997	Residential	1.55E-07	0	3.9E-03
offsite	592214.99	4140564.85	2.6323	0.95723	0.45339	0.58385	0.076065194	43.23258	11.00794	10.58643	10.40009	2.922756277	Residential	1.39E-07	0	3.5E-03
offsite	592214.99	4140464.85	2.21776	1.02742	0.46807	0.53346	0.068938194	34.70615	12.10531	10.61062	9.96802	2.636822943	Residential	1.26E-07	0	3.2E-03
offsite	592214.99	4140364.85	1.89546	1.1068	0.4809	0.48846	0.063261564	30.37938	12.90483	10.61086	9.6691	2.487711812	Residential	1.15E-07	0	2.9E-03
offsite	592214.99	4140264.85	1.64244	1.19756	0.49179	0.4481	0.058734597	27.74962	13.68679	11.01958	9.44778	2.406708614	Residential	1.07E-07	0	2.7E-03
offsite	592214.99	4140164.85	1.44148	1.30273	0.50058	0.41175	0.05513704	24.29107	14.69477	11.24756	9.26318	2.305741933	Residential	1.00E-07	0	2.5E-03
offsite	592214.99	4140064.85	1.27898	1.42684	0.50737	0.379	0.052317755	18.92737	16.03126	11.33557	9.07684	2.150473932	Residential	9.53E-08	0	2.4E-03
offsite	592214.99	4139964.85	1.14491	1.57617	0.51208	0.3495	0.050182302	17.5428	17.68684	11.3669	8.83738	2.11684721	Residential	9.14E-08	0	2.3E-03
offsite	592214.99	4139864.85	1.03205	1.76046	0.5146	0.32292	0.048695592	15.41484	19.65424	11.37732	8.52388	2.058350514	Residential	8.87E-08	0	2.3E-03
offsite	592214.99	4139764.85	0.93513	1.9948	0.51474	0.29891	0.047882572	16.22151	21.96814	11.37884	8.42336	2.12074692	Residential	8.72E-08	0	2.2E-03
offsite	592214.99	4139664.85	0.85015	2.30622	0.51246	0.27727	0.047879972	16.81759	24.81481	11.39369	8.34301	2.190459131	Residential	8.72E-08	0	2.2E-03
offsite	592214.99	4139564.85	0.77432	2.74379	0.50776	0.25768	0.048992395	15.27509	28.50817	11.90794	8.28595	2.224678357	Residential	8.92E-08	0	2.3E-03
offsite	592214.99	4139464.85	0.70582	3.40857	0.50064	0.23997	0.051921608	13.59873	33.77598	12.39814	8.26283	2.29140201	Residential	9.45E-08	0	2.4E-03
offsite	592214.99	4139364.85	0.64346	4.56467	0.49118	0.22385	0.058553611	13.15515	42.21906	12.68345	8.23315	2.458346981	Residential	1.07E-07	0	2.7E-03
offsite	592214.99	4139264.85	0.58657	7.09583	0.47934	0.20921	0.075284147	11.82363	59.18081	12.84374	8.20791	2.776198064	Residential	1.37E-07	0	3.5E-03
offsite	592314.99	4141564.85	0.74705	0.467	0.26999	2.10613	0.134489674	30.63913	7.48284	11.79771	33.42648	5.061110987	Residential	2.45E-07	0	6.2E-03
offsite	592314.99	4141464.85	0.9263	0.49603	0.28208	1.70902	0.114442643	37.57345	7.62155	11.56065	27.50479	4.609625342	Residential	2.08E-07	0	5.3E-03
offsite	592314.99	4141364.85	1.21957	0.52646	0.29493	1.43415	0.102700842	48.52895	8.06096	11.03384	23.13796	4.456087198	Residential	1.87E-07	0	4.7E-03
offsite	592314.99	4141264.85	1.78375	0.55826	0.3087	1.23186	0.098316467	77.57048	8.29994	10.61718	19.68382	4.956671892	Residential	1.79E-07	0	4.5E-03
offsite	592314.99	4141164.85	3.27408	0.59152	0.32344	1.07657	0.107635178	111.88024	8.14099	10.5868	17.84179	5.797967437	Residential	1.96E-07	0	5.0E-03
offsite	592314.99	4141064.85	12.49432	0.62624	0.33863	0.95311	0.210729989	227.41751	8.83369	10.47074	16.296	9.177617509	Residential	3.84E-07	0	9.7E-03
path	592314.99	4140764.85	3.18707	0.74366	0.38741	0.69767	0.086884449	74.45812	9.15789	10.42215	12.38083	4.058847651	Parks/Paths	1.58E-07	0	4.0E-03
path	592314.99	4140664.85	2.57593	0.78906	0.40307	0.63575	0.076595286	53.03781	9.48521	10.27803	11.36145	3.292659288	Parks/Paths	1.39E-07	0	3.5E-03
offsite	592314.99	4140564.85	2.18949	0.83985	0.41768	0.58103	0.069415617	36.91677	9.83981	10.34674	10.57344	2.719364631	Residential	1.26E-07	0	3.2E-03
offsite	592314.99	4140464.85	1.90151	0.89476	0.43121	0.53263	0.063784255	32.22681	10.69349	10.3933	10.02628	2.533387793	Residential	1.16E-07	0	2.9E-03
offsite	592314.99	4140364.85	1.67086	0.95567	0.44328	0.48929	0.059150165	28.24687	11.71302	10.39774	9.65677	2.391737169	Residential	1.08E-07	0	2.7E-03
offsite	592314.99	4140264.85	1.48121	1.02394	0.45397	0.4504	0.055295192	26.16845	12.48569	10.50774	9.4064	2.318476315	Residential	1.01E-07	0	2.6E-03
offsite	592314.99	4140164.85	1.32242	1.10084	0.46281	0.4152	0.052059955	22.82215	13.2325	10.88557	9.22172	2.218283484	Residential	9.48E-08	0	2.4E-03
offsite	592314.99	4140064.85	1.18871	1.18883	0.46991	0.38333	0.049374268	18.09669	14.16417	11.05427	9.06364	2.078719578	Residential	8.99E-08	0	2.3E-03
offsite	592314.99	4139964.85	1.07501	1.29072	0.47523	0.35452	0.047182477	16.91915	15.32588	11.12173	8.89097	2.049161374	Residential	8.59E-08	0	2.2E-03

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Risk Per Million (Residential 30-yr; school and park 9-yr): Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592314.99	4139864.85	0.97731	1.41071	0.47856	0.3284	0.045444186	14.77767	16.75231	11.14343	8.65532	1.987742639	Residential	8.27E-08	0	2.1E-03
offsite	592314.99	4139764.85	0.89207	1.55488	0.4798	0.30475	0.044147874	15.16294	18.42213	11.15198	8.52476	2.020391516	Residential	8.04E-08	0	2.0E-03
offsite	592314.99	4139664.85	0.8165	1.73264	0.4789	0.28332	0.043313915	16.04539	20.35886	11.15324	8.44133	2.079046658	Residential	7.89E-08	0	2.0E-03
offsite	592314.99	4139564.85	0.74853	1.95896	0.47586	0.26387	0.043012664	15.40267	22.67083	11.33266	8.36568	2.103171694	Residential	7.83E-08	0	2.0E-03
offsite	592314.99	4139464.85	0.68666	2.25988	0.47069	0.24619	0.043403359	12.98732	25.55943	11.7069	8.30607	2.090681891	Residential	7.90E-08	0	2.0E-03
offsite	592314.99	4139364.85	0.62992	2.68442	0.4634	0.23007	0.044818233	12.88874	29.41528	12.19683	8.27161	2.174640584	Residential	8.16E-08	0	2.1E-03
offsite	592314.99	4139264.85	0.57776	3.33821	0.45396	0.21538	0.048009268	12.10048	35.05028	12.49435	8.24805	2.272605781	Residential	8.74E-08	0	2.2E-03
offsite	592414.99	4141464.85	0.7775	0.45474	0.26616	1.55815	0.103653748	47.37385	7.29302	10.99599	27.33837	4.873574109	Residential	1.89E-07	0	4.8E-03
offsite	592414.99	4141364.85	0.97382	0.48128	0.2776	1.34125	0.094002566	63.08562	7.52548	10.56436	23.35963	4.906625009	Residential	1.71E-07	0	4.3E-03
offsite	592414.99	4141264.85	1.30394	0.50868	0.28933	1.17059	0.088574061	80.685	8.01843	10.47857	19.84917	5.062001755	Residential	1.61E-07	0	4.1E-03
path	592414.99	4140664.85	2.16755	0.70482	0.37307	0.62777	0.070362363	45.57634	8.68139	10.01208	11.7347	3.083719933	Parks/Paths	1.28E-07	0	3.3E-03
offsite	592414.99	4140564.85	1.87007	0.7454	0.3865	0.57608	0.064326468	33.64331	9.08842	10.11219	10.87052	2.631936151	Residential	1.17E-07	0	3.0E-03
offsite	592414.99	4140464.85	1.6549	0.78955	0.39925	0.5301	0.059612331	30.16614	9.52674	10.21648	10.20882	2.46263407	Residential	1.09E-07	0	2.8E-03
offsite	592414.99	4140364.85	1.48231	0.83765	0.41056	0.48861	0.055673017	26.44617	10.43497	10.23134	9.73939	2.315619884	Residential	1.01E-07	0	2.6E-03
offsite	592414.99	4140264.85	1.33706	0.89048	0.42064	0.45116	0.052309553	24.81894	11.39675	10.23711	9.42515	2.251044953	Residential	9.52E-08	0	2.4E-03
offsite	592414.99	4140164.85	1.21196	0.94891	0.42947	0.41726	0.049414726	21.58288	12.14236	10.4827	9.20632	2.147859076	Residential	9.00E-08	0	2.3E-03
offsite	592414.99	4140064.85	1.1029	1.01405	0.43671	0.38639	0.046914683	17.41372	12.8569	10.76631	9.04777	2.022894608	Residential	8.54E-08	0	2.2E-03
offsite	592414.99	4139964.85	1.00757	1.0873	0.44241	0.35836	0.044781846	16.37237	13.70255	10.89497	8.90313	1.995134959	Residential	8.15E-08	0	2.1E-03
offsite	592414.99	4139864.85	0.92376	1.17064	0.44637	0.33287	0.042985202	14.63775	14.73867	10.94582	8.74379	1.947027464	Residential	7.83E-08	0	2.0E-03
offsite	592414.99	4139764.85	0.84941	1.26658	0.44845	0.30965	0.04150169	14.36653	15.98308	10.96389	8.61568	1.951027808	Residential	7.56E-08	0	1.9E-03
offsite	592414.99	4139664.85	0.78265	1.379	0.44862	0.28859	0.040330661	15.23673	17.41507	10.96992	8.54735	2.00042225	Residential	7.34E-08	0	1.9E-03
offsite	592414.99	4139564.85	0.72204	1.51264	0.4469	0.26934	0.03946973	15.25519	19.05784	11.02539	8.47295	2.028438098	Residential	7.19E-08	0	1.8E-03
offsite	592414.99	4139464.85	0.66641	1.67521	0.44332	0.25174	0.038952144	13.14711	20.97413	11.2856	8.40448	2.001648836	Residential	7.09E-08	0	1.8E-03
offsite	592414.99	4139364.85	0.61499	1.87919	0.43781	0.2357	0.038853439	12.49655	23.2996	11.53983	8.3395	2.02844122	Residential	7.07E-08	0	1.8E-03
offsite	592414.99	4139264.85	0.56734	2.14424	0.43037	0.22103	0.039300217	12.12566	26.27066	12.03494	8.28573	2.083299106	Residential	7.16E-08	0	1.8E-03
offsite	592514.99	4141364.85	0.80187	0.4424	0.26184	1.22711	0.085039943	64.83303	7.02046	10.41065	23.41938	4.953242794	Residential	1.55E-07	0	3.9E-03
path	592514.99	4140664.85	1.8218	0.63443	0.34703	0.61725	0.064872034	39.58343	8.32448	9.83995	12.10189	2.930335683	Parks/Paths	1.18E-07	0	3.0E-03
path	592514.99	4140564.85	1.61008	0.66809	0.35926	0.56881	0.059977975	31.0543	8.54598	9.87481	11.2286	2.576663862	Parks/Paths	1.09E-07	0	2.8E-03
offsite	592514.99	4140464.85	1.44977	0.70412	0.37079	0.52529	0.055984379	28.3478	9.02866	10.04134	10.49085	2.424595233	Residential	1.02E-07	0	2.6E-03
offsite	592514.99	4140364.85	1.31967	0.743	0.38158	0.48603	0.052604696	24.92279	9.41373	10.09341	9.92611	2.265614084	Residential	9.58E-08	0	2.4E-03
offsite	592514.99	4140264.85	1.20816	0.78503	0.3913	0.45035	0.049660889	23.67937	10.2291	10.09529	9.52302	2.199693132	Residential	9.04E-08	0	2.3E-03
offsite	592514.99	4140164.85	1.10953	0.83069	0.39983	0.4178	0.047061753	20.52559	11.13854	10.10089	9.23945	2.090665112	Residential	8.57E-08	0	2.2E-03
offsite	592514.99	4140064.85	1.02145	0.8806	0.4072	0.38815	0.044771339	16.83985	11.85927	10.45045	9.05506	1.979013044	Residential	8.15E-08	0	2.1E-03
offsite	592514.99	4139964.85	0.94236	0.93542	0.41315	0.36107	0.042754467	15.90866	12.54183	10.66924	8.90761	1.952589709	Residential	7.79E-08	0	2.0E-03
offsite	592514.99	4139864.85	0.87129	0.99612	0.41751	0.33624	0.040986728	14.48395	13.31749	10.7655	8.78445	1.913388537	Residential	7.46E-08	0	1.9E-03
offsite	592514.99	4139764.85	0.80709	1.06365	0.42015	0.31353	0.039452611	13.73824	14.25135	10.80078	8.67704	1.89893219	Residential	7.18E-08	0	1.8E-03
offsite	592514.99	4139664.85	0.74864	1.13975	0.42125	0.29288	0.038149881	14.44256	15.33979	10.81808	8.62188	1.937672924	Residential	6.95E-08	0	1.8E-03
offsite	592514.99	4139564.85	0.69493	1.22601	0.42059	0.27396	0.037057063	14.90955	16.58237	10.82226	8.56322	1.971756717	Residential	6.75E-08	0	1.7E-03
offsite	592514.99	4139464.85	0.64518	1.32467	0.41825	0.25662	0.036173451	13.64368	17.99693	11.01	8.50389	1.959809635	Residential	6.59E-08	0	1.7E-03
offsite	592514.99	4139364.85	0.59877	1.43835	0.41423	0.24065	0.035498768	12.04616	19.60944	11.26201	8.42427	1.940841414	Residential	6.46E-08	0	1.6E-03
offsite	592514.99	4139264.85	0.5555	1.57099	0.40841	0.22613	0.035062504	11.97414	21.51893	11.40902	8.38762	1.977691676	Residential	6.38E-08	0	1.6E-03
path	592614.99	4140564.85	1.38149	0.60373	0.33516	0.55894	0.05598212	29.16291	8.12016	9.70219	11.5713	2.544747895	Parks/Paths	1.02E-07	0	2.6E-03
path	592614.99	4140464.85	1.27092	0.63374	0.34588	0.51844	0.052699397	26.79226	8.50296	9.88315	10.82878	2.400601456	Parks/Paths	9.60E-08	0	2.4E-03
offsite	592614.99	4140364.85	1.17568	0.66569	0.35593	0.48153	0.049809708	23.76942	8.979	9.96721	10.19924	2.249228184	Residential	9.07E-08	0	2.3E-03
offsite	592614.99	4140264.85	1.09143	0.69979	0.36525	0.44784	0.047241347	22.69886	9.33707	9.98885	9.71187	2.169891166	Residential	8.60E-08	0	2.2E-03
offsite	592614.99	4140164.85	1.01466	0.73637	0.37354	0.41687	0.04492349	19.63338	10.05739	9.99011	9.34665	2.050356783	Residential	8.18E-08	0	2.1E-03
offsite	592614.99	4140064.85	0.94422	0.77565	0.38076	0.38846	0.042834567	16.36282	10.92686	10.0754	9.10737	1.943381988	Residential	7.80E-08	0	2.0E-03
offsite	592614.99	4139964.85	0.87952	0.81803	0.38686	0.36244	0.040960301	15.50821	11.6261	10.41837	8.92966	1.918644663	Residential	7.46E-08	0	1.9E-03
offsite	592614.99	4139864.85	0.81999	0.86388	0.3915	0.33847	0.039273792	14.33389	12.28162	10.5856	8.80738	1.886030886	Residential	7.15E-08	0	1.8E-03
offsite	592614.99	4139764.85	0.76517	0.91365	0.39469	0.31646	0.037767832	13.19987	13.00236	10.65917	8.73144	1.859424485	Residential	6.88E-08	0	1.7E-03
offsite	592614.99	4139664.85	0.71447	0.96792	0.3964	0.29631	0.036433627	13.71354	13.84516	10.69034	8.6832	1.888172011	Residential	6.63E-08	0	1.7E-03
offsite	592614.99	4139564.85	0.66727	1.02708	0.39659	0.27775	0.035250909	14.44319	14.80822	10.70079	8.63125	1.925267738	Residential	6.42E-08	0	1.6E-03
offsite	592614.99	4139464.85	0.62308	1.09176	0.39526	0.26076	0.034217284	13.87201	15.89725	10.74381	8.58916	1.926892014	Residential	6.23E-08	0	1.6E-03
offsite	592614.99	4139364.85	0.58148	1.16183	0.39245	0.24496	0.033305682	11.59302	17.12361	10.9963	8.51266	1.879241725	Residential	6.06E-08	0	1.5E-03
offsite	592614.99	4139264.85	0.54233	1.2369	0.38801	0.2306	0.032524226	11.70719	18.49422	11.24511	8.48236	1.913064718	Residential	5.92E-08	0	1.5E-03
path	592714.99	4140464.85	1.11147	0.57476	0.32368	0.50945	0.049634675	25.42878	8.02508	9.70622	11.16923	2.383426923	Parks/Paths	9.04E-08	0	2.3E-03
path	592714.99	4140364.85	1.04611	0.60152	0.33301	0.47501	0.04719537	22.74118	8.47086	9.85127	10.51351	2.239922753	Parks/Paths	8.59E-08	0	2.2E-03
path	592714.99	4140264.85	0.98496	0.62894	0.34192	0.44367	0.044982343	21.86306	8.94402	9.89544	9.98402	2.164633179	Parks/Paths	8.19E-08	0	2.1E-03
offsite	592714.99	4140164.85	0.92671	0.65947	0.35	0.41448	0.042939662	18.8686	9.2746	9.90304	9.53901	2.03023578	Residential	7.82E-08	0	2.0E-03
offsite	592714.99	4140064.85	0.8715	0.69037	0.35711	0.38759	0.041056171	16.00637	9.91767	9.90459	9.22681	1.921232765	Residential	7.48E-08	0	1.9E-03
offsite	592714.99	4139964.85	0.81905	0.72479	0.36311	0.36249	0.039321019	15.22611	10.75399	10.11925	8.99727	1.893422133	Residential	7.16E-08	0	1.8E-03
offsite	592714.99	4139864.85	0.77	0.7605	0.36804	0.33955	0.037747037	14.19983	11.43311	10.38838	8.85303	1.865333012	Residential	6.87E-08	0	1.7E-03
offsite	592714.99	4139764.85	0.7238	0.79841	0.37158	0.31832	0.036305449	12.86483	12.06734	10.51785	8.80309	1.834716306	Residential	6.61E-08	0	1.7E-03
offsite	592714.99	4139664.85	0.68032	0.83869	0.37378	0.29879	0.034995893	13.18406	12.743	10.57569	8.75055	1.854002725	Residential	6.37E-08	0	1.6E-03
offsite	592714.99	4139564.85	0.63923	0.88124	0.37465	0.28066	0.033796812	13.91394	13.50526	10.59921	8.67937	1.884961173	Residential	6.15E-08	0	1.6E-03
offsite	592714.99	4139464.85	0.60026	0.92593	0.37417	0.26395	0.032704979	13.86896	14.36734	10.60723	8.62035	1.895350792	Residential	5.96E-08	0	1.5E-03
offsite	592714.99	4139364.85	0.56323	0.97232	0.37233	0.24855	0.031708718	12.1101	15.33151	10.74383	8.57938	1.859858083	Residential	5.77E-08	0	1.5E-03
offsite	592714.99	4139264.85	0.52801	1.01927	0.36906	0.23439	0.030793521	11.38142	16.39456	10.99564	8.54852	1.86135139	Residential	5.61E-08	0	1.4E-03
path	592814.99	4140264.85	0.88755	0.57124	0.32109	0.43759	0.042844149	21.14733	8.45275	9.81234	10.28401	2.164289677	Parks/Paths	7.80E-08	0	2.0E-03
offsite	592814.99	4140164.85	0.84505	0.59525	0.32881	0.41045	0.041054035	18.27005	8.92335	9.83193	9.80122	2.03244463	Residential	7.48E-08	0	1.9E-03
offsite	592814.99	4140064.85	0.80281	0.62191	0.3358	0.38509	0.039379584	15.69374	9.23945	9.83511	9.41217	1.91672852	Residential	7.17E-08	0	1.8E-03
offsite	592814.99	4139964.85	0.76145	0.64923	0.34184	0.36139	0.037804652	15.00796	9.80441	9.83569	9.12059	1.87505062	Residential	6.88E-08	0	1.7E-03
offsite	592814.99	4139864.85	0.72154	0.67767	0.34674	0.33942	0.036341353	14.06177	10.61165	10.15238	8.9704	1.852365598	Residential	6.62E-08	0	1.7E-03
offsite	592814.99	4139764.85	0.68323	0.70735	0.35057	0.31913	0.034990233	12.82668	11.27297	10.36315	8.86699	1.820954614	Residential	6.37E-08	0	1.6E-03
offsite	592814.99	4139664.85	0.64636	0.73817	0.35314	0.30021	0.033729116	12.78677	11.88746	10.46213	8.78555	1.825497403	Residential	6.14E-08	0	1.6E-03
offsite	592814.99	4139564.85	0.611	0.76999	0.35455	0.28273	0.032562825	13.37689	12.52179	10.50769	8.74782	1.853632734	Residential	5.93E-08	0	1.5E-03
offsite	592814.99	4139464.85	0.577	0.80237	0.35474	0.26651	0.031475556	13.71232	13.21958	10.52656	8.69878	1.873530329	Residential	5.73E-08	0	1.5E-03
offsite	592814.99	4139364.85	0.54429	0.83473	0.35369	0.2515	0.030459227	12.6005	14.00079	10.5793	8.64979	1.851498519	Residential	5.55E-08	0	1.4E-03

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Risk Per Million (Residential 30-yr; school and park 9-yr): Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592814.99	4139264.85	0.51277	0.86569	0.35141	0.2375	0.029491403	11.04166	14.85851	10.7558	8.59785	1.819420234	Residential	5.37E-08	0	1.4E-03
Phase4	590514.99	4140764.85	1.83489	0.80896	22.42546	0.47592	0.287361376	15.98804	11.71891	205.5199	18.09394	6.686704338	Daycare	5.23E-07	1	1.3E-02
Phase4	590514.99	4140664.85	2.08319	0.73977	22.14638	0.37133	0.280987569	17.89171	10.65554	202.82676	16.59699	6.503687877	Daycare	5.12E-07	1	1.3E-02
Phase4	590614.99	4140764.85	1.94395	0.93339	7.54545	0.54416	0.139038813	16.68015	13.17647	78.18854	17.18033	4.204554792	Daycare	2.53E-07	0	6.4E-03
Phase4	590614.99	4140664.85	2.21407	0.84877	7.51833	0.42613	0.134664911	19.14132	11.96184	74.81894	15.77723	4.033001645	Daycare	2.45E-07	0	6.2E-03
Phase4	590614.99	4140564.85	2.59498	0.77319	7.49784	0.34615	0.133900715	22.14042	10.94495	70.57176	14.61578	3.892377371	Daycare	2.44E-07	0	6.2E-03
Phase5	590714.99	4141164.85	1.3543	1.6145	4.15477	1.82492	0.174400695	12.44548	20.14748	51.23592	25.67119	4.657052707	Daycare	3.18E-07	0	8.1E-03
Phase5	590714.99	4141064.85	1.48721	1.48843	4.5022	1.33525	0.150908775	13.69539	18.42721	48.92894	22.25627	4.232968134	Daycare	2.75E-07	0	7.0E-03
Phase5	590714.99	4140964.85	1.66366	1.36885	4.60607	1.02961	0.135888941	14.75822	17.06007	47.86581	19.72526	3.933238329	Daycare	2.47E-07	0	6.3E-03
Phase4	590714.99	4140764.85	2.07127	1.09945	4.64681	0.60206	0.11496517	17.37898	14.76111	47.40557	16.04638	3.544676381	Daycare	2.09E-07	0	5.3E-03
Phase4	590714.99	4140664.85	2.35835	0.9798	4.64015	0.47624	0.110309539	19.72534	13.60043	47.04311	14.66761	3.430901634	Daycare	2.01E-07	0	5.1E-03
Phase4	590714.99	4140564.85	2.78541	0.89571	4.63029	0.38722	0.109630364	22.84121	12.26124	46.89527	13.51281	3.366084039	Daycare	2.00E-07	0	5.1E-03
Phase5	590814.99	4141164.85	1.3999	1.92632	2.7014	1.62676	0.150889842	12.85548	25.13824	37.54962	23.79575	4.303897301	Daycare	2.75E-07	0	7.0E-03
Phase5	590814.99	4141064.85	1.5367	1.69813	2.87353	1.28096	0.133041753	13.60057	21.77067	37.60295	20.55969	3.894623177	Daycare	2.42E-07	0	6.2E-03
Phase5	590814.99	4140964.85	1.70968	1.60771	3.20658	1.03161	0.123761619	15.38072	19.74831	37.20984	18.55765	3.674991413	Daycare	2.25E-07	0	5.7E-03
Phase3	590814.99	4140864.85	1.96506	1.50141	3.30684	0.81632	0.114862305	16.64978	18.12791	37.19053	16.02427	3.395900437	Daycare	2.09E-07	0	5.3E-03
Phase3	590814.99	4140764.85	2.21993	1.32907	3.33762	0.64644	0.107331648	18.34496	16.71774	37.15565	14.47754	3.244371009	Daycare	1.95E-07	0	5.0E-03
Phase3	590814.99	4140664.85	2.55917	1.18538	3.3552	0.52458	0.103598176	20.76181	15.43814	37.12894	13.2361	3.152016744	Daycare	1.89E-07	0	4.8E-03
Phase2	590814.99	4140564.85	3.02814	1.05937	3.35009	0.42669	0.102659866	24.27999	14.12748	37.07041	12.24434	3.120071366	Daycare	1.87E-07	0	4.7E-03
Phase2	590814.99	4140464.85	3.75366	0.94967	3.33449	0.35525	0.106282646	29.23776	12.6328	36.96336	11.45695	3.150280198	Daycare	1.94E-07	0	4.9E-03
Phase5	590914.99	4141164.85	1.486	2.84663	2.096	1.58742	0.150077731	13.38249	35.41605	31.56817	22.66339	4.296320234	Daycare	2.73E-07	0	6.9E-03
Phase5	590914.99	4141064.85	1.63714	2.37214	2.26027	1.2807	0.132747865	14.48101	28.50786	31.04484	19.59651	3.830969542	Daycare	2.42E-07	0	6.1E-03
Phase5	590914.99	4140964.85	1.86591	2.28264	2.46306	1.04969	0.123826388	15.98948	24.26218	31.27964	17.90061	3.60226887	Daycare	2.25E-07	0	5.7E-03
Phase3	590914.99	4140864.85	2.0979	1.92887	2.5249	0.83673	0.112587224	17.59456	21.5156	31.23722	16.02166	3.382435705	Daycare	2.05E-07	0	5.2E-03
Phase3	590914.99	4140764.85	2.37685	1.61428	2.58931	0.67059	0.10487218	19.45907	19.42827	31.1861	13.28353	3.088213658	Daycare	1.91E-07	0	4.8E-03
Phase3	590914.99	4140664.85	2.77484	1.42354	2.59696	0.55321	0.101647297	22.11176	17.74533	31.12625	12.07	2.997051738	Daycare	1.85E-07	0	4.7E-03
Phase2	590914.99	4140564.85	3.34733	1.28379	2.59992	0.46033	0.102208601	26.57115	16.25325	30.85599	11.3379	3.015111988	Daycare	1.86E-07	0	4.7E-03
Phase2	590914.99	4140464.85	4.21834	1.14023	2.60062	0.39017	0.107558241	32.7294	14.74607	29.76773	10.73799	3.084069759	Daycare	1.96E-07	0	5.0E-03
Phase2	590914.99	4140364.85	5.87858	1.0136	2.58175	0.33201	0.122896805	49.41769	13.07223	28.58951	10.28217	3.486551414	Daycare	2.24E-07	0	5.7E-03
Phase6	591014.99	4141664.85	1.01135	5.07056	0.85364	9.4478	0.593342056	10.78157	43.03709	27.97369	96.53462	12.57175272	Daycare	1.08E-06	1	2.7E-02
Phase6	591014.99	4141564.85	1.10323	7.3132	1.00309	4.89244	0.353972289	11.32625	72.50584	27.82185	54.03114	8.454078111	Daycare	6.45E-07	1	1.6E-02
Phase6	591014.99	4141464.85	1.20686	7.41659	1.10398	3.14424	0.257882016	11.92187	73.8905	27.50771	37.15429	6.607855345	Daycare	4.70E-07	0	1.2E-02
Phase6	591014.99	4141364.85	1.31666	14.54996	1.36928	2.45266	0.274472716	12.59825	100.30316	27.31351	28.66484	6.233412221	Daycare	5.00E-07	0	1.3E-02
Phase5	591014.99	4141064.85	1.73648	3.76768	1.78419	1.25377	0.137585844	15.43895	45.17725	27.10948	18.64818	4.031317788	Daycare	2.51E-07	0	6.4E-03
Phase3	591014.99	4140964.85	1.98543	3.3885	1.9351	1.03909	0.127190773	16.943	32.64711	27.22629	17.12151	3.644101744	Daycare	2.32E-07	0	5.9E-03
Phase3	591014.99	4140864.85	2.24221	2.626	2.01353	0.8445	0.114495399	18.72808	27.25097	27.17494	15.69225	3.423925945	Daycare	2.08E-07	0	5.3E-03
Phase3	591014.99	4140764.85	2.56984	2.13708	2.06131	0.69194	0.106692338	21.01178	23.63315	26.96686	14.03233	3.22781152	Daycare	1.94E-07	0	4.9E-03
Phase2	591014.99	4140664.85	3.04679	1.81221	2.0983	0.57453	0.103736564	24.15249	21.0374	26.39814	11.58627	2.984732904	Daycare	1.89E-07	0	4.8E-03
Phase2	591014.99	4140564.85	3.74436	1.55544	2.11399	0.47975	0.104961369	29.49956	18.98902	24.88681	10.97437	3.007978224	Daycare	1.91E-07	0	4.9E-03
Phase2	591014.99	4140464.85	4.92267	1.35068	2.1081	0.40691	0.113302442	39.30155	17.23323	24.89168	10.49118	3.21726286	Daycare	2.06E-07	0	5.2E-03
Phase1	591014.99	4140364.85	7.39847	1.23196	2.09807	0.35797	0.139014882	62.16999	15.51997	24.91237	10.09034	3.83732333	Daycare	2.53E-07	0	6.4E-03
Phase6	591114.99	4141764.85	0.93925	2.45917	0.6414	19.50135	1.141358462	10.59361	23.65325	25.09574	188.14796	22.34869057	Daycare	2.08E-06	2	5.3E-02
Phase6	591114.99	4141664.85	1.02935	3.01131	0.72849	6.44771	0.40722074	11.11214	29.2965	24.73194	67.83487	9.019457109	Daycare	7.42E-07	1	1.9E-02
Phase6	591114.99	4141564.85	1.14506	3.50185	0.80667	3.95216	0.271473381	11.75089	34.04327	24.36268	44.71552	6.546302063	Daycare	4.94E-07	0	1.3E-02
Phase6	591114.99	4141464.85	1.23636	3.64756	0.87008	2.62913	0.199260906	12.42106	46.87115	24.26385	32.63054	5.484264134	Daycare	3.63E-07	0	9.2E-03
Phase6	591114.99	4141364.85	1.36133	4.22472	1.01294	2.10884	0.176916863	13.20933	42.67178	24.24504	25.95926	4.673118078	Daycare	3.22E-07	0	8.2E-03
Phase6	591114.99	4141264.85	1.50922	7.77738	1.2381	1.79779	0.189146261	14.1777	59.22967	24.36519	22.93458	4.716641415	Daycare	3.44E-07	0	8.7E-03
Phase6	591114.99	4141164.85	1.67404	18.78047	1.36563	1.47621	0.254010063	15.28214	123.4496	24.33755	20.42294	5.826022403	Daycare	4.63E-07	0	1.2E-02
Phase3	591114.99	4140964.85	2.11418	6.83178	1.5636	1.0163	0.148552093	18.25341	62.29146	24.17984	16.39636	4.171359286	Daycare	2.70E-07	0	6.9E-03
Phase3	591114.99	4140864.85	2.43378	4.36393	1.63267	0.8523	0.125871258	20.35117	41.48002	23.83373	15.17967	3.653177071	Daycare	2.29E-07	0	5.8E-03
Phase2	591114.99	4140764.85	2.84587	3.18207	1.68264	0.71358	0.114854008	23.16064	31.79909	22.82948	14.00961	3.384641628	Daycare	2.09E-07	0	5.3E-03
Phase2	591114.99	4140664.85	3.41815	2.48703	1.72387	0.60065	0.1106452	27.14796	26.48104	22.04203	12.46722	3.206880766	Daycare	2.01E-07	0	5.1E-03
Phase2	591114.99	4140564.85	4.33128	2.05703	1.75025	0.50732	0.113370914	33.78417	23.07512	22.13263	10.87849	3.162274904	Daycare	2.06E-07	0	5.2E-03
Phase2	591114.99	4140464.85	6.05135	1.79906	1.75078	0.44193	0.128259888	48.98895	20.55421	22.21257	10.41603	3.52468937	Daycare	2.34E-07	0	5.9E-03
Phase1	591114.99	4140364.85	10.60583	1.54732	1.7516	0.38113	0.17717586	85.34162	18.43754	22.21679	10.02159	4.549791759	Daycare	3.23E-07	0	8.2E-03
Phase6	591214.99	4141764.85	0.94665	1.83769	0.56735	11.89844	0.705098639	11.22828	17.88289	22.1797	130.30826	15.72094907	Daycare	1.28E-06	1	3.3E-02
Phase6	591214.99	4141664.85	1.04976	2.15145	0.63562	5.24155	0.331875662	11.83171	20.94164	22.18646	62.82442	8.255909406	Daycare	6.04E-07	1	1.5E-02
Phase6	591214.99	4141564.85	1.17262	2.31311	0.66197	3.29942	0.224667927	12.49707	25.48346	22.11748	38.25499	5.622777936	Daycare	4.09E-07	0	1.0E-02
Phase6	591214.99	4141464.85	1.28403	2.54196	0.73228	2.40911	0.177903803	13.23165	29.24021	22.08306	29.32321	4.724961537	Daycare	3.24E-07	0	8.2E-03
Phase6	591214.99	4141364.85	1.43182	2.95685	0.84446	1.98874	0.160001134	14.10728	35.14656	22.07406	24.10944	4.293246519	Daycare	2.91E-07	0	7.4E-03
Phase6	591214.99	4141164.85	1.78845	5.16182	1.09896	1.42123	0.150701623	16.38887	42.49027	22.02654	19.35872	3.986041157	Daycare	2.74E-07	0	7.0E-03
Phase7	591214.99	4141064.85	1.99903	8.32525	1.21237	1.18129	0.16372576	17.90114	63.65327	21.81821	17.54024	4.272182164	Daycare	2.98E-07	0	7.6E-03
Phase7	591214.99	4140964.85	2.26451	27.35204	1.29265	1.00573	0.295777183	19.75908	169.85452	21.22879	15.74904	6.361593779	Daycare	5.39E-07	1	1.4E-02
Phase2	591214.99	4140764.85	3.14902	6.19548	1.40594	0.72466	0.13807587	26.47262	55.58062	20.01095	13.69821	3.899976241	Daycare	2.51E-07	0	6.4E-03
Phase2	591214.99	4140664.85	3.8865	4.06175	1.44658	0.61774	0.125731146	32.11826	39.53579	19.95495	12.66123	3.616866481	Daycare	2.29E-07	0	5.8E-03
Phase2	591214.99	4140564.85	5.15068	2.98274	1.47605	0.52839	0.128183012	41.28389	31.44642	19.74249	11.20275	3.559580219	Daycare	2.33E-07	0	5.9E-03
Phase1	591214.99	4140464.85	7.92341	2.47062	1.48368	0.46209	0.153773133	64.68833	26.1711	20.05467	10.37289	4.078375711	Daycare	2.80E-07	0	7.1E-03
Phase1	591214.99	4140364.85	23.17206	2.03861	1.48816	0.40133	0.328641133	185.01596	22.50868	20.13971	10.00677	7.648570052	Daycare	5.98E-07	1	1.5E-02
Phase6	591314.99	4141664.85	1.06621	1.66404	0.56196	4.76343	0.300663003	12.54664	17.71035	20.47689	58.27145	7.66761958	Daycare	5.47E-07	1	1.4E-02
Phase6	591314.99	4141564.85	1.20761	1.8151	0.59776	3.18046	0.214060719	13.28221	20.34939	20.44583	35.08144	5.151449524	Daycare	3.90E-07	0	9.9E-03
Phase6	591314.99	4141464.85	1.3533	1.9889	0.64211	2.33442	0.169545756	14.09663	21.68717	20.40892	26.7603	4.273219817	Daycare	3.09E-07	0	7.8E-03
Phase6	591314.99	4141364.85	1.50468	2.21293	0.71658	1.87894	0.147919412	15.06395	25.47559	20.33533	22.55905	3.911581261	Daycare	2.69E-07	0	6.8E-03
Phase6	591314.99	4141264.85	1.69667	2.59916	0.81404	1.60556	0.138516003	16.23151	28.18914	20.21859	20.25624	3.744888236	Daycare	2.52E-07	0	6.4E-03
Phase7	591314.99	4141164.85	1.89602	3.09844	0.90343	1.36353	0.131713934	17.62564	28.46636	19.84368	18.40578	3.57932235	Daycare	2.40E-07	0	6.1E-03
Phase7	591314.99	4141064.85	2.146	3.95471	0.99183	1.171	0.130899949	19.61183	34.45392	18.97907	16.8642	3.577756483	Daycare	2.38E-07	0	6.1E-03
Phase7	591314.99	4140964.85	2.45173	5.59429	1.08313	0.99422	0.137354138	22.1268	44.58863	18.4015	15.22083	3.674121149	Daycare	2.50E-07	0	6.4E-03
Phase7	591314.99	4140864.85	2.88507	9.7966	1.14385	0.84673	0.165259013	25.39815	69.4697	18.39688	14.16049	4.18141758	Daycare	3.01E-07	0	7.6E-03
Phase2	591314.99	4140564.85	6.40934	5.70871	1.2567	0.54948	0.161849363	53.9204	50.12857	17.37126	11.56052	4.336263337	Daycare	2.95E-07	0	7.5E-03

Roadway HRA
Cumulative No Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Risk Per Million (Residential 30-yr; school and park 9-yr): Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
Phase1	591314.99	4140464.85	11.95194	3.88336	1.27398	0.47854	0.21070156	101.98174	37.60079	18.05018	10.34112	5.420745681	Daycare	3.84E-07	0	9.7E-03
Phase6	591414.99	4141464.85	1.40818	1.65085	0.60045	2.29591	0.165130807	14.95597	18.7263	19.00331	25.25729	4.042022554	Daycare	3.01E-07	0	7.6E-03
Phase6	591414.99	4141364.85	1.5985	1.76918	0.62632	1.82254	0.141682391	16.02498	17.96279	18.73942	21.29515	3.610425597	Daycare	2.58E-07	0	6.6E-03
Phase6	591414.99	4141264.85	1.80232	1.98047	0.69434	1.5317	0.129855341	17.43349	22.27048	18.17783	19.21126	3.500791021	Daycare	2.36E-07	0	6.0E-03
Phase8	591414.99	4141164.85	2.00741	2.22262	0.76248	1.29964	0.121601215	19.16455	23.63063	17.29927	17.55935	3.381020811	Daycare	2.21E-07	0	5.6E-03
Phase7	591414.99	4141064.85	2.28787	2.62617	0.83696	1.12853	0.118935984	21.32154	24.46958	17.0848	16.2153	3.310407048	Daycare	2.17E-07	0	5.5E-03
Phase7	591414.99	4140964.85	2.6704	3.32124	0.91155	0.98353	0.121081116	24.13423	28.9075	17.08878	14.90545	3.343930269	Daycare	2.20E-07	0	5.6E-03
Phase6	591514.99	4141364.85	1.65362	1.51507	0.58757	1.75846	0.136459591	17.11532	16.51461	16.72397	20.43508	3.478537642	Daycare	2.48E-07	0	6.3E-03
Phase8	591514.99	4141264.85	1.92628	1.60479	0.60809	1.49117	0.125412036	18.6905	16.1404	16.13712	18.32215	3.271348065	Daycare	2.28E-07	0	5.8E-03
Phase8	591514.99	4141164.85	2.17632	1.75849	0.65896	1.26282	0.117082214	20.57274	19.66095	16.03111	16.83581	3.235135446	Daycare	2.13E-07	0	5.4E-03
Phase8	591514.99	4141064.85	2.48738	1.99927	0.72001	1.09994	0.113927604	23.00342	20.64995	16.02068	15.63305	3.195779168	Daycare	2.07E-07	0	5.3E-03
Phase8	591514.99	4140964.85	2.93086	2.36148	0.78188	0.96874	0.115033803	26.29713	21.21262	15.95522	14.5292	3.183870419	Daycare	2.09E-07	0	5.3E-03
Phase8	591614.99	4141164.85	2.41135	1.47015	0.58384	1.24365	0.115920307	21.98653	15.24073	15.17111	16.20898	3.098514489	Daycare	2.11E-07	0	5.4E-03
Phase8	591614.99	4141064.85	2.77018	1.61525	0.62915	1.07891	0.11237117	24.70469	17.66254	15.1018	15.10704	3.108395329	Daycare	2.05E-07	0	5.2E-03
Phase8	591614.99	4140964.85	3.22185	1.88896	0.70156	0.94126	0.112676505	29.86837	18.57728	14.84798	14.1547	3.174572338	Daycare	2.05E-07	0	5.2E-03
Phase8	591714.99	4141064.85	3.19908	1.38521	0.58128	1.06006	0.114239341	28.62522	14.43697	14.1667	14.63881	3.090131586	Daycare	2.08E-07	0	5.3E-03

Summary

Risk by Receptor	Phase	Parcel	Roadway Toxics: max risk	per mill	Chronic	type	lookup:
Phase1	1	Parcel 5	5.98E-07	0.60	0.02	residential	res looks up rows 15-466
Phase1	1	Parcel 5	5.98E-07	0.60	0.02	daycare	daycare looks up rows 467-559
Phase2	2	Parcel 4	2.95E-07	0.29	0.01	residential	res looks up rows 15-466
Phase2	2	Parcel 4	2.95E-07	0.29	0.01	daycare	daycare looks up rows 467-559
Phase3	3	Parcel 4	2.70E-07	0.27	0.01	residential	res looks up rows 15-466
Phase3	3	Parcel 4	2.70E-07	0.27	0.01	daycare	daycare looks up rows 467-559
Phase4	4	Parcel 4	5.23E-07	0.52	0.01	residential	res looks up rows 15-466
Phase5	5	Parcel 3	3.18E-07	0.32	0.01	daycare	lookups res rows since only daycare
Phase6	6	Parcel 1	2.08E-06	2.08	0.05	daycare	lookups res rows since only daycare
Phase7	7	Parcel 2	5.39E-07	0.54	0.01	daycare	lookups res rows since only daycare
Phase8	8	Parcel 2	2.28E-07	0.23	0.01	daycare	lookups res rows since only daycare
offsite	residential	Offsite res	1.06E-06	1.06	0.03		same as res
school	school	Offsite school	2.48E-07	0.25	0.01		same as res
park	park	offsite park	4.44E-07	0.44	0.01		same as res
path	path	offsite park	1.17E-06	1.17	0.03		

PM 2.5 taken from PM2.5 tab. Daycare and res assumed to be the same

Roadway HRA
Cumulative No Project

Revised BAAQMD Speciated TOG Values

Toxic Compounds	EMFAC Gasoline TOG Speciation (% TOG)	Unit Factor	(HARP) Residential Cancer Risk Factors (ug/m3)-1	Unit Cancer Risk Weighted Factor (ug/m3)-1	Unit Cancer Risk Weighted Factor (ug/m3)-1 Calculated	Chronic Noncancer Reference Dose (ug/m3)	Unit Chronic Noncancer Risk Weighted Factor (ug/m3)	Unit Chronic Noncancer Risk Weighted Factor (ug/m3) Calculated	Acute Noncancer Reference Dose (ug/m3)	Unit ACUTE Noncancer Risk Weighted Factor (ug/m3)	Unit ACUTE Noncancer Risk Weighted Factor (ug/m3) Calculated			canc	chronic	acute
Acetaldehyde	0.28%	0.0028	0.0000027	7.537E-09	**7.560E-09**	140	0.39	**0.39**	470	1.31	**1.32**	0.1	0.00028	2E-12	0.00011	0.003685
Acrolein	0.13%	0.0013				0.35	0.00046	**0.00046**	2.5	0.0033	**0.0033**	0.1	0.00013	0E+00	5.92E-08	4.23E-06
Benzene	2.47%	0.0247	0.000029	7.169E-07	**7.163E-07**	3	1.48	**0.07**	27	32.14	**0.67**	0.1	0.00247	2E-09	0.000183	0.016472
1,3-Butadiene	0.55%	0.0055	0.000174	9.487E-07	**9.570E-07**	2	0.11	**0.01**	660		**3.63**	0.1	0.00055	5E-10	6.05E-06	0.019965
Ethylbenzene	1.05%	0.0105	2.52E-06	2.643E-08	**2.646E-08**	2000	20.97	**21.00**	0			0.1	0.00105	3E-11	0.02205	0
Formaldehyde	1.58%	0.0158	6.08E-06	9.602E-08	**9.606E-08**	9	0.14	**0.14**	55	0.87	**0.87**	0.1	0.00158	2E-10	0.000225	0.01373
Hexane	1.60%	0.016				7000	111.92	**112.00**	0			0.1	0.0016	0E+00	0.1792	0
Methanol	0.12%	0.0012				4000	4.89	**4.80**	28000	34.22	**33.60**	0.1	0.00012	0E+00	0.000576	0.04032
Methyl Ethyl Ketone	0.02%	0.0002							13000	2.37	**2.60**	0.1	0.00002	0E+00	0	0.00052
Naphthalene	0.05%	0.0005	0.000035	1.641E-08	**1.750E-08**	9	0.0042	**0.0045**	0			0.1	0.00005	9E-13	2.25E-07	0
Propylene	3.06%	0.0306				3000	91.86	**91.80**	0			0.1	0.00306	0E+00	0.280908	0
Styrene	0.12%	0.0012				900	1.11	**1.08**	21000	25.79	**25.20**	0.1	0.00012	0E+00	0.00013	0.03024
Toluene	5.76%	0.0576				300	17.27	**17.28**	37000	2,129.65	**2,131.20**	0.1	0.00576	0E+00	0.099533	122.7571
Xylenes	4.80%	0.048				700	33.61	**33.60**	22000	1,056.22	**1,056.00**	0.1	0.0048	0E+00	0.16128	50.688
Toxicity Weighted Factor				**1.81E-06**	**1.82E-06**		**283.75**	**21.62**		**3,282.57**	**6.48**			**0.00**	**0.02**	**0.05**

Source: BAAQMD Recommended Methods for Screening and Modeling Local Risks and Hazards. May 2012. Table 14. Toxic Speciation of TOG due to Tailpipe Emissions

0.0024782

Updated to current Table 1. Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values (May 13, 2015)

RED BOLD Calculated Weighted Factors for verification of BAAQMD values and updated adjustments

RED BOLD Factors used to speciate TOG emissions, per BAAQMD 2012 Guidance (see pgs. 87-88)

RED BOLD Total Weighted Toxicity Factors adjusted for analysis of only 1,3-Butadiene, Acetaldehyde, Benzene, Ethylbenzene, Formaldehyde, and Naphthalene health risks. **USE IN HRA ANALYSIS.**

Roadway HRA
Cumulative With Project

City Place Roadway HRA - DPM

Truck g/s	Annual Average DPM (g/s) - Scaling Factor
Tasman	0.000244
Lafayette	0.000191
Great Am	0.000238
SR237	0.000985

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS: Tasman	Lafayette	Great Am	SR237	Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhallation: 3rd trimester	0<2	2<9	2<16	16<30	16-70	Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year): 3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	589514.99	4139264.85	0.05088	0.05261	0.06785	0.02777	6.59538E-05	Residential	2.28E-08	6.89E-08	3.99E-08	3.62E-08	1.65E-08	1.47E-08	9.0E-10	2.2E-08	0.0E+00	2.4E-08	0.0E+00	1.3E-08	5.89E-08	0	1.32E-05
offsite	589614.99	4139264.85	0.05251	0.05453	0.07232	0.02872	6.8718E-05	Residential	2.38E-08	7.18E-08	4.16E-08	3.77E-08	1.72E-08	1.54E-08	9.3E-10	2.3E-08	0.0E+00	2.5E-08	0.0E+00	1.3E-08	6.14E-08	0	1.37E-05
offsite	591314.99	4139264.85	0.2687	0.20607	0.38608	0.06837	0.000264113	Residential	9.14E-08	2.76E-07	1.60E-07	1.45E-07	6.61E-08	5.90E-08	3.6E-09	8.7E-08	0.0E+00	9.6E-08	0.0E+00	5.0E-08	2.36E-07	0	5.28E-05
offsite	591414.99	4139264.85	0.27804	0.24712	0.36442	0.07198	0.000272613	Residential	9.44E-08	2.85E-07	1.65E-07	1.50E-07	6.82E-08	6.09E-08	3.7E-09	9.0E-08	0.0E+00	9.9E-08	0.0E+00	5.2E-08	2.44E-07	0	5.45E-05
offsite	591514.99	4139264.85	0.28462	0.30485	0.34343	0.07557	0.000283761	Residential	9.82E-08	2.97E-07	1.72E-07	1.56E-07	7.10E-08	6.34E-08	3.9E-09	9.3E-08	0.0E+00	1.0E-07	0.0E+00	5.4E-08	2.54E-07	0	5.68E-05
offsite	591614.99	4139264.85	0.28878	0.38998	0.32349	0.07909	0.000299726	Residential	1.04E-07	3.13E-07	1.81E-07	1.64E-07	7.50E-08	6.70E-08	4.1E-09	9.8E-08	0.0E+00	1.1E-07	0.0E+00	5.7E-08	2.68E-07	0	5.99E-05
offsite	591714.99	4139264.85	0.29081	0.52306	0.30474	0.08259	0.000324579	Residential	1.12E-07	3.39E-07	1.96E-07	1.78E-07	8.12E-08	7.25E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.2E-08	2.90E-07	0	6.49E-05
offsite	591814.99	4139264.85	0.29112	0.75006	0.28726	0.08602	0.000367157	Residential	1.27E-07	3.84E-07	2.22E-07	2.01E-07	9.19E-08	8.20E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	7.0E-08	3.28E-07	0	7.34E-05
offsite	591914.99	4139264.85	0.29007	1.19573	0.27098	0.08937	0.000451309	Residential	1.56E-07	4.72E-07	2.73E-07	2.48E-07	1.13E-07	1.01E-07	6.1E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.03E-07	0	9.03E-05
offsite	592014.99	4139264.85	0.2879	2.39111	0.25587	0.09256	0.000678273	Residential	2.35E-07	7.09E-07	4.10E-07	3.72E-07	1.70E-07	1.52E-07	9.2E-09	2.2E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.06E-07	1	1.36E-04
offsite	592214.99	4139264.85	0.28099	4.09509	0.22881	0.09839	0.001000823	Residential	3.46E-07	1.05E-06	6.06E-07	5.49E-07	2.50E-07	2.24E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.94E-07	1	2.00E-04
offsite	592314.99	4139264.85	0.27645	1.88998	0.21675	0.10098	0.000578896	Residential	2.00E-07	6.05E-07	3.50E-07	3.18E-07	1.45E-07	1.29E-07	7.9E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.17E-07	1	1.16E-04
offsite	592414.99	4139264.85	0.2713	1.20418	0.20553	0.1034	0.000446574	Residential	1.55E-07	4.67E-07	2.70E-07	2.45E-07	1.12E-07	9.98E-08	6.1E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.5E-08	3.99E-07	0	8.93E-05
offsite	592514.99	4139264.85	0.2656	0.87457	0.19506	0.10569	0.000382092	Residential	1.32E-07	3.99E-07	2.31E-07	2.10E-07	9.56E-08	8.54E-08	5.2E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.41E-07	0	7.64E-05
offsite	592614.99	4139264.85	0.25938	0.68363	0.18535	0.10776	0.000343892	Residential	1.19E-07	3.59E-07	2.08E-07	1.89E-07	8.61E-08	7.68E-08	4.7E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.07E-07	0	6.88E-05
offsite	592714.99	4139264.85	0.2527	0.5596	0.17633	0.10956	0.000318236	Residential	1.10E-07	3.33E-07	1.93E-07	1.75E-07	7.96E-08	7.11E-08	4.3E-09	1.0E-07	0.0E+00	1.2E-07	0.0E+00	6.0E-08	2.84E-07	0	6.36E-05
offsite	592814.99	4139264.85	0.24562	0.47236	0.1679	0.11113	0.000299413	Residential	1.04E-07	3.13E-07	1.81E-07	1.64E-07	7.49E-08	6.69E-08	4.1E-09	9.8E-08	0.0E+00	1.1E-07	0.0E+00	5.7E-08	2.68E-07	0	5.99E-05
offsite	589514.99	4139364.85	0.05643	0.05669	0.07674	0.02857	7.09905E-05	Residential	2.46E-08	7.42E-08	4.30E-08	3.89E-08	1.78E-08	1.59E-08	9.7E-10	2.3E-08	0.0E+00	2.6E-08	0.0E+00	1.3E-08	6.34E-08	0	1.42E-05
offsite	589614.99	4139364.85	0.05833	0.05891	0.08234	0.0296	7.42257E-05	Residential	2.57E-08	7.76E-08	4.49E-08	4.07E-08	1.86E-08	1.66E-08	1.0E-09	2.4E-08	0.0E+00	2.7E-08	0.0E+00	1.4E-08	6.63E-08	0	1.48E-05
offsite	591314.99	4139364.85	0.31997	0.25192	0.42834	0.07358	0.000300551	Residential	1.04E-07	3.14E-07	1.82E-07	1.65E-07	7.52E-08	6.72E-08	4.1E-09	9.9E-08	0.0E+00	1.1E-07	0.0E+00	5.7E-08	2.69E-07	0	6.01E-05
offsite	591414.99	4139364.85	0.32752	0.30726	0.39787	0.07747	0.000309517	Residential	1.07E-07	3.24E-07	1.87E-07	1.70E-07	7.75E-08	6.92E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.77E-07	0	6.19E-05
offsite	591514.99	4139364.85	0.33166	0.38617	0.37007	0.08134	0.000322763	Residential	1.12E-07	3.37E-07	1.95E-07	1.77E-07	8.08E-08	7.21E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.1E-08	2.88E-07	0	6.46E-05
offsite	591614.99	4139364.85	0.33292	0.50452	0.34488	0.0851	0.000343342	Residential	1.19E-07	3.59E-07	2.08E-07	1.88E-07	8.59E-08	7.67E-08	4.7E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.07E-07	0	6.87E-05
offsite	591714.99	4139364.85	0.33191	0.69354	0.322	0.0888	0.000377335	Residential	1.31E-07	3.94E-07	2.28E-07	2.07E-07	9.44E-08	8.43E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.37E-07	0	7.55E-05
offsite	591814.99	4139364.85	0.32913	1.02971	0.30126	0.09239	0.000439358	Residential	1.52E-07	4.59E-07	2.66E-07	2.41E-07	1.10E-07	9.82E-08	6.0E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.3E-08	3.93E-07	0	8.79E-05
offsite	591914.99	4139364.85	0.32514	1.7639	0.28236	0.09588	0.000577326	Residential	2.00E-07	6.03E-07	3.49E-07	3.17E-07	1.44E-07	1.29E-07	7.9E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.16E-07	1	1.15E-04
offsite	592014.99	4139364.85	0.32024	4.79237	0.26509	0.09921	0.001152806	Residential	3.99E-07	1.20E-06	6.98E-07	6.32E-07	2.89E-07	2.58E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.03E-06	1	2.31E-04
offsite	592114.99	4139364.85	0.31461	8.53549	0.24931	0.10233	0.001864534	Residential	6.45E-07	1.95E-06	1.13E-06	1.02E-06	4.67E-07	4.17E-07	2.5E-08	6.1E-07	0.0E+00	6.7E-07	0.0E+00	3.5E-07	1.67E-06	2	3.73E-04
offsite	592214.99	4139364.85	0.30837	2.58775	0.23485	0.10521	0.000728214	Residential	2.52E-07	7.61E-07	4.41E-07	3.99E-07	1.82E-07	1.63E-07	9.9E-09	2.4E-07	0.0E+00	2.6E-07	0.0E+00	1.4E-07	6.51E-07	1	1.46E-04
offsite	592314.99	4139364.85	0.3016	1.50271	0.22162	0.10782	0.000519074	Residential	1.80E-07	5.43E-07	3.14E-07	2.85E-07	1.30E-07	1.16E-07	7.1E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.8E-08	4.64E-07	0	1.04E-04
offsite	592414.99	4139364.85	0.29436	1.04274	0.20942	0.11025	0.000429084	Residential	1.49E-07	4.48E-07	2.60E-07	2.35E-07	1.07E-07	9.59E-08	5.8E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.1E-08	3.83E-07	0	8.58E-05
offsite	592514.99	4139364.85	0.28666	0.79215	0.19818	0.11247	0.000378931	Residential	1.31E-07	3.96E-07	2.29E-07	2.08E-07	9.48E-08	8.47E-08	5.2E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.39E-07	0	7.58E-05
offsite	592614.99	4139364.85	0.27854	0.63556	0.18778	0.11449	0.000346603	Residential	1.20E-07	3.62E-07	2.10E-07	1.90E-07	8.67E-08	7.74E-08	4.7E-09	1.1E-07	0.0E+00	1.3E-07	0.0E+00	6.6E-08	3.10E-07	0	6.93E-05
offsite	592714.99	4139364.85	0.27005	0.52875	0.17815	0.11625	0.000323606	Residential	1.12E-07	3.38E-07	1.96E-07	1.77E-07	8.10E-08	7.23E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.1E-08	2.89E-07	0	6.47E-05
offsite	592814.99	4139364.85	0.26122	0.45129	0.16921	0.1178	0.00030608	Residential	1.06E-07	3.20E-07	1.85E-07	1.68E-07	7.66E-08	6.84E-08	4.2E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.8E-08	2.74E-07	0	6.12E-05
offsite	589514.99	4139464.85	0.06327	0.06126	0.08849	0.02945	7.71951E-05	Residential	2.67E-08	8.07E-08	4.67E-08	4.23E-08	1.93E-08	1.72E-08	1.0E-09	2.5E-08	0.0E+00	2.8E-08	0.0E+00	1.5E-08	6.90E-08	0	1.54E-05
offsite	589614.99	4139464.85	0.06564	0.06384	0.09592	0.03054	8.11086E-05	Residential	2.81E-08	8.48E-08	4.91E-08	4.45E-08	2.03E-08	1.81E-08	1.1E-09	2.7E-08	0.0E+00	2.9E-08	0.0E+00	1.5E-08	7.25E-08	0	1.62E-05
offsite	591314.99	4139464.85	0.38475	0.30664	0.46849	0.07954	0.00034221	Residential	1.18E-07	3.58E-07	2.07E-07	1.88E-07	8.56E-08	7.65E-08	4.7E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.5E-08	3.06E-07	0	6.84E-05
offsite	591414.99	4139464.85	0.38848	0.37931	0.42904	0.08372	0.000351696	Residential	1.22E-07	3.68E-07	2.13E-07	1.93E-07	8.80E-08	7.86E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.14E-07	0	7.03E-05
offsite	591514.99	4139464.85	0.38825	0.48412	0.39457	0.08784	0.000367473	Residential	1.27E-07	3.84E-07	2.22E-07	2.02E-07	9.20E-08	8.21E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	7.0E-08	3.28E-07	0	7.35E-05
offsite	591614.99	4139464.85	0.385	0.64356	0.36427	0.09186	0.000393827	Residential	1.36E-07	4.12E-07	2.38E-07	2.16E-07	9.86E-08	8.80E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.5E-08	3.52E-07	0	7.88E-05
offsite	591714.99	4139464.85	0.3796	0.9065	0.33742	0.09578	0.000440117	Residential	1.52E-07	4.60E-07	2.66E-07	2.41E-07	1.10E-07	9.83E-08	6.0E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.3E-08	3.93E-07	0	8.80E-05
offsite	591814.99	4139464.85	0.37271	1.40965	0.31354	0.09958	0.000532439	Residential	1.84E-07	5.57E-07	3.22E-07	2.92E-07	1.33E-07	1.19E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.76E-07	0	1.06E-04
offsite	591914.99	4139464.85	0.36484	2.79447	0.2922	0.10319	0.000793069	Residential	2.75E-07	8.29E-07	4.80E-07	4.35E-07	1.98E-07	1.77E-07	1.1E-08	2.6E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.09E-07	1	1.59E-04
offsite	592114.99	4139464.85	0.34764	3.82616	0.25565	0.10977	0.000983388	Residential	3.40E-07	1.03E-06	5.95E-07	5.39E-07	2.46E-07	2.20E-07	1.3E-08	3.2E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.79E-07	1	1.97E-04
offsite	592214.99	4139464.85	0.33854	1.91145	0.23984	0.11273	0.000615198	Residential	2.13E-07	6.43E-07	3.72E-07	3.37E-07	1.54E-07	1.37E-07	8.4E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.50E-07	1	1.23E-04
offsite	592314.99	4139464.85	0.32915	1.25168	0.22553	0.11535	0.000486268	Residential	1.68E-07	5.08E-07	2.94E-07	2.67E-07	1.22E-07	1.09E-07	6.6E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.2E-08	4.35E-07	0	9.73E-05
offsite	592414.99	4139464.85	0.31945	0.92049	0.21244	0.11777	0.000420014	Residential	1.45E-07	4.39E-07	2.54E-07	2.30E-07	1.05E-07	9.38E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.0E-08	3.75E-07	0	8.40E-05
offsite	592514.99	4139464.85	0.30943	0.72293	0.20043	0.11999	0.000379224	Residential	1.31E-07	3.96E-07	2.29E-07	2.08E-07	9.49E-08	8.47E-08	5.2E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.39E-07	0	7.58E-05
offsite	592614.99	4139464.85	0.29909	0.59192	0.1894	0.12196	0.000351035	Residential	1.22E-07	3.67E-07	2.12E-07	1.93E-07	8.79E-08	7.84E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.14E-07	0	7.02E-05
offsite	592714.99	4139464.85	0.28852	0.49921	0.1793	0.12357	0.000329959	Residential	1.14E-07	3.45E-07	2.00E-07	1.81E-07	8.26E-08	7.37E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.3E-08	2.95E-07	0	6.60E-05
offsite	592814.99	4139464.85	0.27768	0.43017	0.16995	0.12496	0.000313294	Residential	1.08E-07	3.27E-07	1.90E-07	1.72E-07	7.84E-08	7.00E-08	4.3E-09	1.0E-07	0.0E+00	1.1E-07	0.0E+00	5.9E-08	2.80E-07	0	6.27E-05
offsite	589514.99	4139564.85	0.07174	0.06637	0.10402	0.03044	8.49089E-05	Residential	2.94E-08	8.87E-08	5.14E-08	4.66E-08	2.13E-08	1.90E-08	1.2E-09	2.8E-08	0.0E+00	3.1E-08	0.0E+00	1.6E-08	7.59E-08	0	1.70E-05
offsite	589614.99	4139564.85	0.07492	0.06936	0.1144	0.0316	8.98697E-05	Residential	3.11E-08	9.39E-08	5.44E-08	4.93E-08	2.25E-08	2.01E-08	1.2E-09	3.0E-08	0.0E+00	3.3E-08	0.0E+00	1.7E-08	8.03E-08	0	1.80E-05
offsite	591314.99	4139564.85	0.46686	0.37064	0.5048	0.0863	0.000389735	Residential	1.35E-07	4.07E-07	2.36E-07	2.14E-07	9.75E-08	8.71E-08	5.3E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.4E-08	3.48E-07	0	7.79E-05
offsite	591414.99	4139564.85	0.4636	0.46362	0.45689	0.09085	0.00039974	Residential	1.38E-07	4.18E-07	2.42E-07	2.19E-07	1.00E-07	8.93E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.6E-08	3.57E-07	0	7.99E-05
offsite	591514.99	4139564.85	0.45636	0.59963	0.41622	0.09526	0.000418567	Residential	1.45E-07	4.37E-07	2.53E-07	2.30E-07	1.05E-07	9.35E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	7.9E-08	3.74E-07	0	8.37E-05
offsite	591614.99	4139564.85	0.4464	0.81202	0.38125	0.09953	0.000452516	Residential	1.57E-07	4.73E-07	2.74E-07	2.48E-07	1.13E-07	1.01E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.04E-07	0	9.05E-05
offsite	591714.99	4139564.85	0.43476	1.18349	0.35086	0.10363	0.000517315	Residential	1.79E-07	5.41E-07	3.13E-07	2.84E-07	1.29E-07	1.16E-07	7.0E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.8E-08	4.62E-07	0	1.03E-04
offsite	591814.99	4139564.85	0.42238	2.00305	0.32415	0.10758	0.00066811	Residential	2.31E-07	6.98E-07	4.04E-07	3.66E-07	1.67E-07	1.49E-07	9.1E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	5.97E-07	1	1.34E-04
offsite	591914.99	4139564.85	0.40971	5.86446	0.30053	0.11134	0.001399443	Residential	4.84E-07	1.46E-06	8.47E-07	7.68E-07	3.50E-07	3.13E-07	1.9E-08	4.6E-07	0.0E+00	5.1E-07	0.0E+00	2.7E-07	1.25E-06	1	2.80E-04
offsite	592014.99	4139564.85	0.39704	7.00855	0.27953	0.11485	0.00161298	Residential	5.58E-07	1.69E-06	9.76E-07	8.85E-07	4.04E-07	3.60E-07	2.2E-08	5.3E-07	0.0E+00	5.8E-07	0.0E+00	3.1E-07	1.44E-06	1	3.23E-04
offsite	592114.99	4139564.85	0.38448	2.51944	0.26072	0.11807	0.000752568	Residential	2.61E-07	7.87E-07	4.55E-07	4.13E-07	1.88E-07	1.68E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.73E-07	1	1.51E-04
offsite	592214.99	4139564.85	0.372	1.52225	0.24378	0.12101	0.00055823	Residential	1.93E-07	5.83E-07	3.38E-07	3.06E-07	1.40E-07	1.25E-07	7.6E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.1E-07	4.99E-07	0	1.12E-04
offsite	592314.99	4139564.85	0.35952	1.07498	0.22847	0.12364	0.000468841	Residential	1.62E-07	4.90E-07	2.84E-07	2.57E-07	1.17E-07	1.05E-07	6.4E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.9E-08	4.19E-07	0	9.38E-05
offsite	592414.99	4139564.85	0.34691	0.82411	0.21455	0.12605	0.000416986	Residential	1.44E-07	4.36E-07	2.52E-07	2.29E-07	1.04E-07	9.32E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	7.9E-08	3.73E-07	0	8.34E-05
offsite	592514.99	4139564.85	0.33418	0.66382	0.20191	0.12816	0.000382385	Residential	1.32E-07	4.00E-07	2.31E-07	2.10E-07	9.57E-08	8.54E-08	5.2E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.42E-07	0	7.65E-05
offsite	592614.99	4139564.85	0.32129	0.5526	0.19037	0.13	0.000357098	Residential	1.24E-07	3.73E-07	2.16E-07	1.96E-07	8.94E-08	7.98E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.8E-08	3.19E-07	0	7.14E-05
offsite	592714.99	4139564.85	0.30824	0.47134	0.1798	0.13152	0.000337401	Residential	1.17E-07	3.53E-07	2.04E-07	1.85E-07	8.44E-08	7.54E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.4E-08	3.02E-07	0	6.75E-05
offsite	592814.99	4139564.85	0.29508	0.40952	0.17009	0.13271	0.000321265	Residential	1.11E-07	3.36E-07	1.94E-07	1.76E-07	8.04E-08	7.18E-08	4.4E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.1E-08	2.87E-07	0	6.43E-05
offsite	589514.99	4139664.85	0.08235	0.07202	0.12445	0.03153	9.4513E-05	Residential	3.27E-08	9.88E-08	5.72E-08	5.18E-08	2.37E-08	2.11E-08	1.3E-09	3.1E-08	0.0E+00	3.4E-08	0.0E+00	1.8E-08	8.45E-08	0	1.89E-05
offsite	589614.99	4139664.85	0.08683	0.07548	0.13936	0.03277	0.000101038	Residential	3.50E-08	1.06E-07	6.11E-08	5.54E-08	2.53E-08	2.26E-08	1.4E-09	3.3E-08	0.0E+00	3.7E-08	0.0E+00	1.9E-08	9.03E-08	0	2.02E-05
offsite	591214.99	4139664.85	0.58037	0.36139	0.60406	0.08895	0.000441892	Residential	1.53E-07	4.62E-07	2.67E-07	2.42E-07	1.11E-07	9.87E-08	6.0E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.4E-08	3.95E-07	0	8.84E-05
offsite	591314.99	4139664.85	0.57137	0.44395	0.53614	0.09409	0.000444325	Residential	1.54E-07	4.64E-07	2.69E-07	2.44E-07	1.11E-07	9.93E-08	6.0E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.4E-08	3.97E-07	0	8.89E-05

Roadway HRA
Cumulative With Project

	AERMOD Output		Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED		Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								
Discrete Receptor ID (Group Name)	X	Y						Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	**CHRONIC HAZARD QUOTIENT**
offsite	591414.99	4139664.85	0.55629	0.56124	0.48089	0.099	0.000454691	Residential	1.57E-07	4.75E-07	2.75E-07	2.49E-07	1.14E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.06E-07	0	9.09E-05
offsite	591514.99	4139664.85	0.53851	0.73625	0.4347	0.10375	0.000477406	Residential	1.65E-07	4.99E-07	2.89E-07	2.62E-07	1.19E-07	1.07E-07	6.5E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.1E-08	4.27E-07	0	9.55E-05
offsite	591614.99	4139664.85	0.51888	1.02267	0.39565	0.10825	0.00052237	Residential	1.81E-07	5.46E-07	3.16E-07	2.87E-07	1.31E-07	1.17E-07	7.1E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.9E-08	4.67E-07	0	1.04E-04
offsite	591714.99	4139664.85	0.49898	1.57465	0.36206	0.11254	0.000619003	Residential	2.14E-07	6.47E-07	3.75E-07	3.40E-07	1.55E-07	1.38E-07	8.4E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.53E-07	1	1.24E-04
offsite	591814.99	4139664.85	0.47949	3.18106	0.33286	0.11662	0.000917647	Residential	3.18E-07	9.59E-07	5.55E-07	5.03E-07	2.30E-07	2.05E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.20E-07	1	1.84E-04
offsite	592014.99	4139664.85	0.44299	3.56393	0.28467	0.12402	0.000977572	Residential	3.38E-07	1.02E-06	5.91E-07	5.36E-07	2.45E-07	2.18E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.9E-07	8.74E-07	1	1.96E-04
offsite	592114.99	4139664.85	0.42593	1.89014	0.26454	0.12729	0.00065266	Residential	2.26E-07	6.82E-07	3.95E-07	3.58E-07	1.63E-07	1.46E-07	8.9E-09	2.1E-07	0.0E+00	2.4E-07	0.0E+00	1.2E-07	5.83E-07	1	1.31E-04
offsite	592214.99	4139664.85	0.40944	1.26725	0.24655	0.1302	0.000528441	Residential	1.83E-07	5.52E-07	3.20E-07	2.90E-07	1.32E-07	1.18E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.72E-07	0	1.06E-04
offsite	592314.99	4139664.85	0.39329	0.94302	0.23039	0.13278	0.000461369	Residential	1.60E-07	4.82E-07	2.79E-07	2.53E-07	1.15E-07	1.03E-07	6.3E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.7E-08	4.12E-07	0	9.23E-05
offsite	592414.99	4139664.85	0.37724	0.74557	0.21578	0.13511	0.000418619	Residential	1.45E-07	4.38E-07	2.53E-07	2.30E-07	1.05E-07	9.35E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	7.9E-08	3.74E-07	0	8.37E-05
offsite	592514.99	4139664.85	0.36133	0.61259	0.20258	0.13709	0.00038819	Residential	1.34E-07	4.06E-07	2.35E-07	2.13E-07	9.72E-08	8.67E-08	5.3E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.4E-08	3.47E-07	0	7.76E-05
offsite	592614.99	4139664.85	0.34535	0.51692	0.19057	0.13881	0.000364885	Residential	1.26E-07	3.81E-07	2.21E-07	2.00E-07	9.13E-08	8.15E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.9E-08	3.26E-07	0	7.30E-05
offsite	592714.99	4139664.85	0.32938	0.44514	0.17962	0.14017	0.000346036	Residential	1.20E-07	3.62E-07	2.09E-07	1.90E-07	8.66E-08	7.73E-08	4.7E-09	1.1E-07	0.0E+00	1.3E-07	0.0E+00	6.6E-08	3.09E-07	0	6.92E-05
offsite	592814.99	4139664.85	0.31351	0.38961	0.16963	0.14107	0.000330086	Residential	1.14E-07	3.45E-07	2.00E-07	1.81E-07	8.26E-08	7.37E-08	4.5E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.3E-08	2.95E-07	0	6.60E-05
offsite	589514.99	4139764.85	0.09582	0.07825	0.15053	0.03278	0.000106428	Residential	3.68E-08	1.11E-07	6.44E-08	5.84E-08	2.66E-08	2.38E-08	1.4E-09	3.5E-08	0.0E+00	3.9E-08	0.0E+00	2.0E-08	9.51E-08	0	2.13E-05
offsite	589614.99	4139764.85	0.10237	0.08224	0.17185	0.03411	0.000115175	Residential	3.99E-08	1.20E-07	6.97E-08	6.32E-08	2.88E-08	2.57E-08	1.6E-09	3.8E-08	0.0E+00	4.2E-08	0.0E+00	2.2E-08	1.03E-07	0	2.30E-05
offsite	591414.99	4139764.85	0.67207	0.67468	0.50088	0.1084	0.000518562	Residential	1.80E-07	5.42E-07	3.14E-07	2.84E-07	1.30E-07	1.16E-07	7.1E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.8E-08	4.63E-07	0	1.04E-04
offsite	591514.99	4139764.85	0.63817	0.90226	0.45	0.11346	0.000546561	Residential	1.89E-07	5.71E-07	3.31E-07	3.00E-07	1.37E-07	1.22E-07	7.4E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.0E-07	4.88E-07	0	1.09E-04
offsite	591614.99	4139764.85	0.6052	1.30349	0.40746	0.11818	0.000609553	Residential	2.11E-07	6.37E-07	3.69E-07	3.34E-07	1.53E-07	1.36E-07	8.3E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.45E-07	1	1.22E-04
offsite	591714.99	4139764.85	0.57439	2.2152	0.37103	0.12266	0.000771636	Residential	2.67E-07	8.07E-07	4.67E-07	4.23E-07	1.93E-07	1.72E-07	1.0E-08	2.5E-07	0.0E+00	2.8E-07	0.0E+00	1.5E-07	6.90E-07	1	1.54E-04
offsite	591814.99	4139764.85	0.54589	7.38882	0.33968	0.12683	0.001747902	Residential	6.05E-07	1.83E-06	1.06E-06	9.59E-07	4.37E-07	3.91E-07	2.4E-08	5.7E-07	0.0E+00	6.3E-07	0.0E+00	3.3E-07	1.56E-06	2	3.50E-04
offsite	591914.99	4139764.85	0.51974	5.9888	0.3123	0.13075	0.001471894	Residential	5.10E-07	1.54E-06	8.91E-07	8.07E-07	3.68E-07	3.29E-07	2.0E-08	4.8E-07	0.0E+00	5.3E-07	0.0E+00	2.8E-07	1.32E-06	1	2.94E-04
offsite	592014.99	4139764.85	0.49566	2.42979	0.28829	0.13435	0.000785174	Residential	2.72E-07	8.21E-07	4.75E-07	4.31E-07	1.97E-07	1.75E-07	1.1E-08	2.6E-07	0.0E+00	2.8E-07	0.0E+00	1.5E-07	7.02E-07	1	1.57E-04
offsite	592114.99	4139764.85	0.47322	1.51524	0.26706	0.13756	0.000603411	Residential	2.09E-07	6.31E-07	3.65E-07	3.31E-07	1.51E-07	1.35E-07	8.2E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.1E-07	5.39E-07	1	1.21E-04
offsite	592214.99	4139764.85	0.45193	1.08677	0.24817	0.14039	0.000514804	Residential	1.78E-07	5.38E-07	3.11E-07	2.82E-07	1.29E-07	1.15E-07	7.0E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.8E-08	4.60E-07	0	1.03E-04
offsite	592314.99	4139764.85	0.43135	0.83996	0.23128	0.14287	0.000461143	Residential	1.60E-07	4.82E-07	2.79E-07	2.53E-07	1.15E-07	1.03E-07	6.3E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.7E-08	4.12E-07	0	9.22E-05
offsite	592414.99	4139764.85	0.41119	0.67992	0.2161	0.14504	0.000424233	Residential	1.47E-07	4.43E-07	2.57E-07	2.33E-07	1.06E-07	9.48E-08	5.8E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.0E-08	3.79E-07	0	8.48E-05
offsite	592514.99	4139764.85	0.39133	0.56762	0.2024	0.14686	0.000396507	Residential	1.37E-07	4.14E-07	2.40E-07	2.17E-07	9.92E-08	8.86E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.5E-08	3.54E-07	0	7.93E-05
offsite	592614.99	4139764.85	0.37163	0.48444	0.19003	0.14838	0.000374395	Residential	1.30E-07	3.91E-07	2.27E-07	2.05E-07	9.37E-08	8.36E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.1E-08	3.35E-07	0	7.49E-05
offsite	592714.99	4139764.85	0.35216	0.42068	0.17881	0.14948	0.000355902	Residential	1.23E-07	3.72E-07	2.15E-07	1.95E-07	8.91E-08	7.95E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.7E-08	3.18E-07	0	7.12E-05
offsite	592814.99	4139764.85	0.33299	0.37051	0.16858	0.15014	0.000339876	Residential	1.18E-07	3.55E-07	2.06E-07	1.86E-07	8.51E-08	7.59E-08	4.6E-09	1.1E-07	0.0E+00	1.2E-07	0.0E+00	6.4E-08	3.04E-07	0	6.80E-05
offsite	589514.99	4139864.85	0.11317	0.08502	0.18257	0.03417	0.00012095	Residential	4.19E-08	1.26E-07	7.32E-08	6.63E-08	3.03E-08	2.70E-08	1.6E-09	4.0E-08	0.0E+00	4.4E-08	0.0E+00	2.3E-08	1.08E-07	0	2.42E-05
offsite	589614.99	4139864.85	0.12303	0.08959	0.21227	0.0356	0.000132709	Residential	4.59E-08	1.39E-07	8.03E-08	7.28E-08	3.32E-08	2.97E-08	1.8E-09	4.4E-08	0.0E+00	4.8E-08	0.0E+00	2.5E-08	1.19E-07	0	2.65E-05
offsite	591514.99	4139864.85	0.76151	1.11472	0.46227	0.12462	0.000631052	Residential	2.18E-07	6.60E-07	3.82E-07	3.46E-07	1.58E-07	1.41E-07	8.6E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.64E-07	1	1.26E-04
offsite	591614.99	4139864.85	0.71013	1.71553	0.41662	0.12958	0.000727111	Residential	2.52E-07	7.60E-07	4.40E-07	3.99E-07	1.82E-07	1.62E-07	9.9E-09	2.4E-07	0.0E+00	2.6E-07	0.0E+00	1.4E-07	6.50E-07	1	1.45E-04
offsite	591714.99	4139864.85	0.66474	3.59784	0.37781	0.13417	0.001070269	Residential	3.70E-07	1.12E-06	6.48E-07	5.87E-07	2.68E-07	2.39E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.56E-07	1	2.14E-04
offsite	591914.99	4139864.85	0.5892	3.32697	0.31567	0.14233	0.000993441	Residential	3.44E-07	1.04E-06	6.01E-07	5.45E-07	2.49E-07	2.22E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.88E-07	1	1.99E-04
offsite	592014.99	4139864.85	0.55739	1.85005	0.29046	0.14586	0.000701522	Residential	2.43E-07	7.33E-07	4.24E-07	3.85E-07	1.76E-07	1.57E-07	9.5E-09	2.3E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.27E-07	1	1.40E-04
offsite	592114.99	4139864.85	0.52827	1.26517	0.26827	0.14899	0.000580689	Residential	2.01E-07	6.07E-07	3.51E-07	3.19E-07	1.45E-07	1.30E-07	7.9E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.19E-07	1	1.16E-04
offsite	592214.99	4139864.85	0.50094	0.95146	0.24861	0.15171	0.000512202	Residential	1.77E-07	5.35E-07	3.10E-07	2.81E-07	1.28E-07	1.14E-07	7.0E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.7E-08	4.58E-07	0	1.02E-04
offsite	592314.99	4139864.85	0.47483	0.75653	0.23112	0.15402	0.000466776	Residential	1.62E-07	4.88E-07	2.82E-07	2.56E-07	1.17E-07	1.04E-07	6.3E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.8E-08	4.17E-07	0	9.34E-05
offsite	592414.99	4139864.85	0.44946	0.62384	0.21547	0.156	0.000433512	Residential	1.50E-07	4.53E-07	2.62E-07	2.38E-07	1.08E-07	9.69E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.2E-08	3.87E-07	0	8.67E-05
offsite	592514.99	4139864.85	0.42468	0.52763	0.20143	0.15762	0.000407378	Residential	1.41E-07	4.26E-07	2.46E-07	2.23E-07	1.02E-07	9.10E-08	5.5E-09	1.3E-07	0.0E+00	1.5E-07	0.0E+00	7.7E-08	3.64E-07	0	8.15E-05
offsite	592614.99	4139864.85	0.40042	0.4547	0.18877	0.15884	0.000385744	Residential	1.34E-07	4.03E-07	2.33E-07	2.12E-07	9.65E-08	8.62E-08	5.2E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.3E-08	3.45E-07	0	7.71E-05
offsite	592714.99	4139864.85	0.37668	0.39772	0.17733	0.15962	0.000367136	Residential	1.27E-07	3.84E-07	2.22E-07	2.01E-07	9.19E-08	8.20E-08	5.0E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	7.0E-08	3.28E-07	0	7.34E-05
offsite	592814.99	4139864.85	0.35358	0.35228	0.16694	0.15988	0.000350622	Residential	1.21E-07	3.66E-07	2.12E-07	1.92E-07	8.78E-08	7.83E-08	4.8E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.6E-08	3.13E-07	0	7.01E-05
offsite	589514.99	4139964.85	0.1355	0.09241	0.21998	0.03578	0.0001383	Residential	4.79E-08	1.45E-07	8.37E-08	7.59E-08	3.46E-08	3.09E-08	1.9E-09	4.5E-08	0.0E+00	5.0E-08	0.0E+00	2.6E-08	1.24E-07	0	2.77E-05
offsite	589614.99	4139964.85	0.15049	0.09759	0.2593	0.03731	0.000153816	Residential	5.32E-08	1.61E-07	9.31E-08	8.44E-08	3.85E-08	3.44E-08	2.1E-09	5.1E-08	0.0E+00	5.6E-08	0.0E+00	2.9E-08	1.37E-07	0	3.08E-05
offsite	591714.99	4139964.85	0.77659	9.94221	0.38237	0.14732	0.002321395	Residential	8.04E-07	2.43E-06	1.40E-06	1.27E-06	5.81E-07	5.19E-07	3.2E-08	7.6E-07	0.0E+00	8.4E-07	0.0E+00	4.4E-07	2.07E-06	2	4.64E-04
offsite	591814.99	4139964.85	0.72109	5.2517	0.34746	0.15156	0.001409282	Residential	4.88E-07	1.47E-06	8.53E-07	7.73E-07	3.53E-07	3.15E-07	1.9E-08	4.6E-07	0.0E+00	5.1E-07	0.0E+00	2.7E-07	1.26E-06	1	2.82E-04
offsite	591914.99	4139964.85	0.67343	2.33495	0.31735	0.15538	0.000838053	Residential	2.90E-07	8.76E-07	5.07E-07	4.60E-07	2.10E-07	1.87E-07	1.1E-08	2.8E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.49E-07	1	1.68E-04
offsite	592014.99	4139964.85	0.63162	1.49386	0.29113	0.15879	0.000664586	Residential	2.30E-07	6.95E-07	4.02E-07	3.65E-07	1.66E-07	1.48E-07	9.0E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	5.94E-07	1	1.33E-04
offsite	592114.99	4139964.85	0.59386	1.08577	0.26816	0.16176	0.000575018	Residential	1.99E-07	6.01E-07	3.48E-07	3.15E-07	1.44E-07	1.28E-07	7.8E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.14E-07	1	1.15E-04
offsite	592214.99	4139964.85	0.55875	0.84546	0.24789	0.16425	0.00051826	Residential	1.79E-07	5.42E-07	3.14E-07	2.84E-07	1.30E-07	1.16E-07	7.0E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.8E-08	4.63E-07	0	1.04E-04
offsite	592314.99	4139964.85	0.52528	0.6871	0.22992	0.16635	0.000477692	Residential	1.65E-07	4.99E-07	2.89E-07	2.62E-07	1.20E-07	1.07E-07	6.5E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.1E-08	4.27E-07	0	9.55E-05
offsite	592414.99	4139964.85	0.49319	0.57518	0.21392	0.16804	0.000446382	Residential	1.55E-07	4.67E-07	2.70E-07	2.45E-07	1.12E-07	9.97E-08	6.1E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.5E-08	3.99E-07	0	8.93E-05
offsite	592514.99	4139964.85	0.46207	0.49174	0.19962	0.16939	0.00042081	Residential	1.46E-07	4.40E-07	2.55E-07	2.31E-07	1.05E-07	9.40E-08	5.7E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	8.0E-08	3.76E-07	0	8.42E-05
offsite	592614.99	4139964.85	0.43204	0.4273	0.18678	0.17026	0.000399001	Residential	1.38E-07	4.17E-07	2.41E-07	2.19E-07	9.99E-08	8.91E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.6E-08	3.57E-07	0	7.98E-05
offsite	592714.99	4139964.85	0.40301	0.37616	0.17518	0.17059	0.000379736	Residential	1.31E-07	3.97E-07	2.30E-07	2.08E-07	9.50E-08	8.48E-08	5.2E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.2E-08	3.39E-07	0	7.59E-05
offsite	592814.99	4139964.85	0.37521	0.3348	0.16477	0.17046	0.000362466	Residential	1.25E-07	3.79E-07	2.19E-07	1.99E-07	9.07E-08	8.10E-08	4.9E-09	1.2E-07	0.0E+00	1.3E-07	0.0E+00	6.9E-08	3.24E-07	0	7.25E-05
offsite	589514.99	4140064.85	0.16336	0.10044	0.26147	0.03763	0.000158328	Residential	5.48E-08	1.65E-07	9.58E-08	8.68E-08	3.96E-08	3.54E-08	2.2E-09	5.2E-08	0.0E+00	5.7E-08	0.0E+00	3.0E-08	1.41E-07	0	3.17E-05
offsite	589614.99	4140064.85	0.18576	0.10626	0.31074	0.03927	0.00017825	Residential	6.17E-08	1.86E-07	1.08E-07	9.78E-08	4.46E-08	3.98E-08	2.4E-09	5.9E-08	0.0E+00	6.5E-08	0.0E+00	3.4E-08	1.59E-07	0	3.57E-05
offsite	591714.99	4140064.85	0.92158	13.8534	0.3848	0.16235	0.003117951	Residential	1.08E-06	3.26E-06	1.89E-06	1.71E-06	7.80E-07	6.97E-07	4.2E-08	1.0E-06	0.0E+00	1.1E-06	0.0E+00	5.9E-07	2.79E-06	3	6.24E-04
offsite	591814.99	4140064.85	0.84405	3.115	0.34854	0.16643	0.001046701	Residential	3.62E-07	1.09E-06	6.33E-07	5.74E-07	2.62E-07	2.34E-07	1.4E-08	3.4E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.35E-07	1	2.09E-04
offsite	591914.99	4140064.85	0.77957	1.79925	0.31737	0.17008	0.000776252	Residential	2.69E-07	8.11E-07	4.70E-07	4.26E-07	1.94E-07	1.73E-07	1.1E-08	2.5E-07	0.0E+00	2.8E-07	0.0E+00	1.5E-07	6.94E-07	1	1.55E-04
offsite	592014.99	4140064.85	0.72404	1.25157	0.29034	0.17327	0.000654983	Residential	2.27E-07	6.85E-07	3.96E-07	3.59E-07	1.64E-07	1.46E-07	8.9E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.2E-07	5.85E-07	1	1.31E-04
offsite	592114.99	4140064.85	0.6743	0.95021	0.26674	0.17598	0.000582441	Residential	2.02E-07	6.09E-07	3.52E-07	3.19E-07	1.46E-07	1.30E-07	7.9E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.21E-07	1	1.16E-04
offsite	592214.99	4140064.85	0.62831	0.75962	0.24601	0.17818	0.000532118	Residential	1.84E-07	5.56E-07	3.22E-07	2.92E-07	1.33E-07	1.19E-07	7.2E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.76E-07	0	1.06E-04
offsite	592314.99	4140064.85	0.58486	0.62819	0.22772	0.17994	0.000493842	Residential	1.71E-07	5.16E-07	2.99E-07	2.71E-07	1.24E-07	1.10E-07	6.7E-09	1.6E-07	0.0E+00	1.8E-07	0.0E+00	9.4E-08	4.41E-07	0	9.88E-05
offsite	592414.99	4140064.85	0.54354	0.5323	0.21148	0.18128	0.000462938	Residential	1.60E-07	4.84E-07	2.80E-07	2.54E-07	1.16E-07	1.03E-07	6.3E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.8E-08	4.14E-07	0	9.26E-05
offsite	592514.99	4140064.85	0.50417	0.45931	0.19704	0.18223	0.00043692	Residential	1.51E-07	4.57E-07	2.64E-07	2.40E-07	1.09E-07	9.76E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.3E-08	3.90E-07	0	8.74E-05
offsite	592614.99	4140064.85	0.46672	0.40195	0.18409	0.18266	0.000414194	Residential	1.43E-07	4.33E-07	2.51E-07	2.27E-07	1.04E-07	9.25E-08	5.6E-09	1.4E-07	0.0E+00	1.5E-07	0.0E+00	7.9E-08	3.70E-07	0	8.28E-05
offsite	592714.99	4140064.85	0.43127	0.35558	0.17246	0.18268	0.000393961	Residential	1.36E-07	4.12E-07	2.38E-07	2.16E-07	9.86E-08	8.80E-08	5.4E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.5E-08	3.52E-07	0	7.88E-05
offsite	592814.99	4140064.85	0.39774	0.31796	0.16203	0.18192	0.000375382	Residential	1.30E-07	3.92E-07	2.27E-07	2.06E-07	9.39E-08	8.39E-08	5.1E-09	1.2E-07	0.0E+00	1.4E-07	0.0E+00	7.1E-08	3.35E-07	0	7.51E-05
offsite	591714.99	4140164.85	1.12207	4.67306	0.38497	0.17955	0.001433171	Residential	4.96E-07	1.50E-06	8.67E-07	7.86E-07	3.59E-07	3.20E-07	1.9E-08	4.7E-07	0.0E+00	5.2E-07	0.0E+00	2.7E-07	1.28E-06	1	2.87E-04
offsite	591814.99	4140164.85	1.01002	2.23709	0.3476	0.18333	0.000936162	Residential	3.24E-07	9.78E-07	5.66E-07	5.13E-07	2.34E-07	2.09E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.37E-07	1	1.87E-04
offsite	591914.99	4140164.85	0.92013	1.4641	0.31567	0.18667	0.000762535	Residential	2.64E-07	7.97E-07	4.61E-07	4.18E-07	1.91E-07	1.70E-07	1.0E-08	2.5E-07	0.0E+00	2.8E-07	0.0E+00	1.4E-07	6.81E-07	1	1.53E-04
offsite	592014.99	4140164.85	0.8445	1.07664	0.28798	0.18945	0.000666359	Residential	2.31E-07	6.96E-07	4.03E-07	3.65E-07	1.67E-07	1.49E-07	9.1E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	5.96E-07	1	1.33E-04
offsite	592114.99	4140164.85	0.77651	0.84378	0.26401	0.19181	0.000601999	Residential	2.08E-07	6.29E-07	3.64E-07	3.30E-07	1.51E-07	1.35E-07	8.2E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.1E-07	5.38E-07	1	1.20E-04
offsite	592214.99	4140164.85	0.71389	0.68812	0.24302	0.19364	0.000553857	Residential	1.92E-07	5.79E-07	3.35E-07	3.04E-07	1.39E-07	1.24E-07	7.5E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.1E-07	4.95E-07	0	1.11E-04
offsite	592314.99	4140164.85	0.65581	0.57702	0.22455	0.19498	0.000515437	Residential	1.78E-07	5.39E-07	3.12E-07	2.83E-07	1.29E-07	1.15E-07	7.0E-09	1.7E-07	0.0E+00	1.9E-07	0.0E+00	9.8E-08	4.61E-07	0	1.03E-04
offsite	592414.99	4140164.85	0.60173	0.49396	0.20822	0.19588	0.000483414	Residential	1.67E-07	5.05E-07	2.92E-07	2.65E-07	1.21E-07	1.08E-07	6.6E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.2E-08	4.32E-07	0	9.67E-05
offsite	592514.99	4140164.85	0.5514	0.42961	0.1937	0.19631	0.000455842	Residential	1.58E-07	4.76E-07	2.76E-07	2.50E-07	1.14E-07	1.02E-07	6.2E-09	1.5E-07	0.0E+00	1.7E-07	0.0E+00	8.6E-08	4.07E-07	0	9.12E-05
offsite	592614.99	4140164.85	0.50465	0.37826	0.18081	0.19625	0.000431527	Residential	1.49E-07	4.51E-07	2.61E-07	2.37E-07	1.08E-07	9.64E-08	5.9E-09	1.4E-07	0.0E+00	1.6E-07	0.0E+00	8.2E-08	3.86E-07	0	8.63E-05
offsite	592714.99	4140164.85	0.46122	0.33638	0.16924	0.19562	0.000409579	Residential	1.42E-07	4.28E-07	2.48E-07	2.25E-07	1.03E-07	9.15E-08	5.6E-09	1.3E-07	0.0E+00	1.5E-07	0.0E+00	7.8E-08	3.66E-07	0	8.19E-05
offsite	592814.99	4140164.85	0.42083	0.30187	0.15885	0.19425	0.00038933	Residential	1.35E-07	4.07E-07	2.36E-07	2.14E-07	9.74E-08	8.70E-08	5.3E-09	1.3E-07	0.0E+00	1.4E-07	0.0E+00	7.4E-08	3.48E-07	0	7.79E-05
park	591314.99	4140264.85	3.71116	1.26672	0.62519	0.17734	0.001469636	Parks/Paths	0.00E+00	5.23E-08	2.79E-08	2.27E-08	1.05E-08	1.00E-08	0.0E+00	1.6E-08	9.2E-09	0.0E+00	9.9E-10	0.0E+00	2.67E-08	0	2.94E-04
park	591414.99	4140264.85	2.61034	1.98131	0.54596	0.18428	0.001325588	Parks/Paths	0.00E+00	4.72E-08	2.52E-08	2.05E-08	9.44E-09	9.05E-09	0.0E+00	1.5E-08	8.3E-09	0.0E+00	8.9E-10	0.0E+00	2.40E-08	0	2.65E-04
offsite	591614.99	4140264.85	1.66859	9.94362	0.42775	0.19514	0.00259697	Residential	8.99E-07	2.71E-06	1.57E-06	1.42E-06	6.50E-07	5.80E-07	3.5E-08	8.5E-07	0.0E+00	9.4E-07	0.0E+00	4.9E-07	2.32E-06	2	5.19E-04

Roadway HRA
Cumulative With Project

	AERMOD Output								Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	591714.99	4140264.85	1.42631	2.92379	0.38285	0.19924	0.001192635	Residential	4.13E-07	1.25E-06	7.22E-07	6.54E-07	2.98E-07	2.66E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.3E-07	1.07E-06	1	2.39E-04
offsite	591814.99	4140264.85	1.25238	1.74602	0.34475	0.20256	0.000919848	Residential	3.18E-07	9.61E-07	5.57E-07	5.05E-07	2.30E-07	2.06E-07	1.3E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.22E-07	1	1.84E-04
park	591914.99	4140264.85	1.11874	1.23198	0.31227	0.20539	0.000784306	Parks/Paths	0.00E+00	2.79E-08	1.49E-08	1.21E-08	5.59E-09	5.35E-09	0.0E+00	8.8E-09	4.9E-09	0.0E+00	5.3E-10	0.0E+00	1.42E-08	0	1.57E-04
offsite	592014.99	4140264.85	1.00858	0.94259	0.28416	0.20761	0.000697764	Residential	2.42E-07	7.29E-07	4.22E-07	3.83E-07	1.75E-07	1.56E-07	9.5E-09	2.3E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.24E-07	1	1.40E-04
offsite	592114.99	4140264.85	0.91008	0.75671	0.26006	0.20953	0.000634463	Residential	2.20E-07	6.63E-07	3.84E-07	3.48E-07	1.59E-07	1.42E-07	8.6E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.67E-07	1	1.27E-04
offsite	592214.99	4140264.85	0.82132	0.6272	0.23894	0.2108	0.000584355	Residential	2.02E-07	6.11E-07	3.54E-07	3.21E-07	1.46E-07	1.31E-07	7.9E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.22E-07	1	1.17E-04
offsite	592314.99	4140264.85	0.74101	0.53202	0.22043	0.21159	0.000543001	Residential	1.88E-07	5.68E-07	3.29E-07	2.98E-07	1.36E-07	1.21E-07	7.4E-09	1.8E-07	0.0E+00	2.0E-07	0.0E+00	1.0E-07	4.85E-07	0	1.09E-04
offsite	592414.99	4140264.85	0.66892	0.45938	0.20411	0.21192	0.000508017	Residential	1.76E-07	5.31E-07	3.07E-07	2.79E-07	1.27E-07	1.14E-07	6.9E-09	1.7E-07	0.0E+00	1.8E-07	0.0E+00	9.6E-08	4.54E-07	0	1.02E-04
offsite	592514.99	4140264.85	0.60439	0.40219	0.18973	0.21182	0.000477861	Residential	1.65E-07	4.99E-07	2.89E-07	2.62E-07	1.20E-07	1.07E-07	6.5E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.1E-08	4.27E-07	0	9.56E-05
offsite	592614.99	4140264.85	0.54602	0.35602	0.17696	0.21112	0.000451099	Residential	1.56E-07	4.71E-07	2.73E-07	2.47E-07	1.13E-07	1.01E-07	6.1E-09	1.5E-07	0.0E+00	1.6E-07	0.0E+00	8.6E-08	4.03E-07	0	9.02E-05
path	592714.99	4140264.85	0.49279	0.31798	0.1655	0.20976	0.000426803	Parks/Paths	0.00E+00	1.52E-08	8.11E-09	6.59E-09	3.04E-09	2.91E-09	0.0E+00	4.8E-09	2.7E-09	0.0E+00	2.9E-10	0.0E+00	7.74E-09	0	8.54E-05
path	592814.99	4140264.85	0.44411	0.28653	0.15534	0.20749	0.000404285	Parks/Paths	0.00E+00	1.44E-08	7.68E-09	6.24E-09	2.88E-09	2.76E-09	0.0E+00	4.5E-09	2.5E-09	0.0E+00	2.7E-10	0.0E+00	7.33E-09	0	8.09E-05
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.001281898	Residential	4.44E-07	1.34E-06	7.76E-07	7.03E-07	3.21E-07	2.86E-07	1.7E-08	4.2E-07	0.0E+00	4.6E-07	0.0E+00	2.4E-07	1.15E-06	1	2.56E-04
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.001444859	Residential	5.00E-07	1.51E-06	8.74E-07	7.92E-07	3.62E-07	3.23E-07	2.0E-08	4.7E-07	0.0E+00	5.2E-07	0.0E+00	2.7E-07	1.29E-06	1	2.89E-04
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.001840417	Residential	6.37E-07	1.92E-06	1.11E-06	1.01E-06	4.61E-07	4.11E-07	2.5E-08	6.0E-07	0.0E+00	6.7E-07	0.0E+00	3.5E-07	1.64E-06	2	3.68E-04
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.003336166	Residential	1.15E-06	3.49E-06	2.02E-06	1.83E-06	8.35E-07	7.45E-07	4.5E-08	1.1E-06	0.0E+00	1.2E-06	0.0E+00	6.3E-07	2.98E-06	3	6.67E-04
park	591414.99	4140364.85	5.41692	2.89298	0.54444	0.20822	0.00220664	Parks/Paths	0.00E+00	7.86E-08	4.19E-08	3.41E-08	1.57E-08	1.51E-08	0.0E+00	2.5E-08	1.4E-08	0.0E+00	1.5E-09	0.0E+00	4.00E-08	0	4.41E-04
offsite	591614.99	4140364.85	2.4506	4.22363	0.42399	0.21825	0.00171866	Residential	5.95E-07	1.80E-06	1.04E-06	9.43E-07	4.30E-07	3.84E-07	2.3E-08	5.6E-07	0.0E+00	6.2E-07	0.0E+00	3.3E-07	1.54E-06	2	3.44E-04
school	591714.99	4140364.85	1.96167	2.14283	0.37841	0.22174	0.00119529	School	0.00E+00	1.77E-07	9.43E-08	7.66E-08	3.54E-08	3.39E-08	0.0E+00	0.0E+00	3.1E-08	7.2E-09	0.0E+00	0.0E+00	3.83E-08	0	2.39E-04
school	591814.99	4140364.85	1.65135	1.42893	0.33983	0.22438	0.000976937	School	0.00E+00	1.45E-07	7.71E-08	6.26E-08	2.89E-08	2.77E-08	0.0E+00	0.0E+00	2.5E-08	5.9E-09	0.0E+00	0.0E+00	3.13E-08	0	1.95E-04
school	591914.99	4140364.85	1.42828	1.06106	0.30709	0.22649	0.000846702	School	0.00E+00	1.25E-07	6.68E-08	5.43E-08	2.51E-08	2.40E-08	0.0E+00	0.0E+00	2.2E-08	5.1E-09	0.0E+00	0.0E+00	2.72E-08	0	1.69E-04
offsite	592014.99	4140364.85	1.24904	0.83606	0.27898	0.22808	0.000754983	Residential	2.61E-07	7.89E-07	4.57E-07	4.14E-07	1.89E-07	1.69E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.75E-07	1	1.51E-04
offsite	592114.99	4140364.85	1.09253	0.68386	0.25469	0.22916	0.000683094	Residential	2.36E-07	7.14E-07	4.13E-07	3.75E-07	1.71E-07	1.53E-07	9.3E-09	2.2E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.10E-07	1	1.37E-04
offsite	592214.99	4140364.85	0.95749	0.57429	0.23375	0.22984	0.000624971	Residential	2.16E-07	6.53E-07	3.78E-07	3.43E-07	1.56E-07	1.40E-07	8.5E-09	2.1E-07	0.0E+00	2.3E-07	0.0E+00	1.2E-07	5.59E-07	1	1.25E-04
offsite	592314.99	4140364.85	0.84282	0.49179	0.21533	0.22993	0.000576993	Residential	2.00E-07	6.03E-07	3.49E-07	3.16E-07	1.44E-07	1.29E-07	7.8E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.16E-07	1	1.15E-04
offsite	592414.99	4140364.85	0.74664	0.42777	0.19931	0.2297	0.000537302	Residential	1.86E-07	5.62E-07	3.25E-07	2.95E-07	1.34E-07	1.20E-07	7.3E-09	1.8E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.80E-07	0	1.07E-04
offsite	592514.99	4140364.85	0.66397	0.37671	0.18514	0.22888	0.000503235	Residential	1.74E-07	5.26E-07	3.04E-07	2.76E-07	1.26E-07	1.12E-07	6.8E-09	1.7E-07	0.0E+00	1.8E-07	0.0E+00	9.5E-08	4.50E-07	0	1.01E-04
offsite	592614.99	4140364.85	0.59118	0.33511	0.17259	0.22737	0.000473085	Residential	1.64E-07	4.94E-07	2.86E-07	2.59E-07	1.18E-07	1.06E-07	6.4E-09	1.6E-07	0.0E+00	1.7E-07	0.0E+00	9.0E-08	4.23E-07	0	9.46E-05
path	592714.99	4140364.85	0.52588	0.30063	0.16139	0.225	0.000445593	Parks/Paths	0.00E+00	1.59E-08	8.46E-09	6.88E-09	3.17E-09	3.04E-09	0.0E+00	5.0E-09	2.8E-09	0.0E+00	3.0E-10	0.0E+00	8.08E-09	0	8.91E-05
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.001117933	Residential	3.87E-07	1.17E-06	6.76E-07	6.13E-07	2.80E-07	2.50E-07	1.5E-08	3.7E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.99E-07	1	2.24E-04
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.001119303	Residential	3.87E-07	1.17E-06	6.77E-07	6.14E-07	2.80E-07	2.50E-07	1.5E-08	3.7E-07	0.0E+00	4.1E-07	0.0E+00	2.1E-07	1.00E-06	1	2.24E-04
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.001180801	Residential	4.09E-07	1.23E-06	7.14E-07	6.48E-07	2.96E-07	2.64E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.2E-07	1.06E-06	1	2.36E-04
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.00133306	Residential	4.61E-07	1.39E-06	8.07E-07	7.31E-07	3.34E-07	2.98E-07	1.8E-08	4.4E-07	0.0E+00	4.8E-07	0.0E+00	2.5E-07	1.19E-06	1	2.67E-04
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.001610637	Residential	5.58E-07	1.68E-06	9.75E-07	8.83E-07	4.03E-07	3.60E-07	2.2E-08	5.3E-07	0.0E+00	5.8E-07	0.0E+00	3.1E-07	1.44E-06	1	3.22E-04
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.002236514	Residential	7.74E-07	2.34E-06	1.35E-06	1.23E-06	5.60E-07	5.00E-07	3.0E-08	7.3E-07	0.0E+00	8.1E-07	0.0E+00	4.2E-07	2.00E-06	2	4.47E-04
offsite	591514.99	4140464.85	11.9602	7.63164	0.47473	0.24289	0.004722456	Residential	1.63E-06	4.94E-06	2.86E-06	2.59E-06	1.18E-06	1.06E-06	6.4E-08	1.6E-06	0.0E+00	1.7E-06	0.0E+00	9.0E-07	4.22E-06	4	9.44E-04
offsite	591614.99	4140464.85	4.79699	2.755	0.41739	0.24482	0.002035035	Residential	7.04E-07	2.13E-06	1.23E-06	1.12E-06	5.09E-07	4.55E-07	2.8E-08	6.7E-07	0.0E+00	7.4E-07	0.0E+00	3.9E-07	1.82E-06	2	4.07E-04
offsite	591714.99	4140464.85	3.21746	1.68904	0.37142	0.24733	0.001438344	Residential	4.98E-07	1.50E-06	8.70E-07	7.89E-07	3.60E-07	3.21E-07	2.0E-08	4.7E-07	0.0E+00	5.2E-07	0.0E+00	2.7E-07	1.29E-06	1	2.88E-04
school	591814.99	4140464.85	2.45836	1.20613	0.33287	0.24912	0.001153838	School	0.00E+00	1.71E-07	9.10E-08	7.40E-08	3.41E-08	3.27E-08	0.0E+00	0.0E+00	3.0E-08	7.0E-09	0.0E+00	0.0E+00	3.70E-08	0	2.31E-04
offsite	591914.99	4140464.85	1.986	0.92893	0.3001	0.25022	0.000979137	Residential	3.39E-07	1.02E-06	5.92E-07	5.37E-07	2.45E-07	2.19E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.9E-07	8.75E-07	1	1.96E-04
offsite	592014.99	4140464.85	1.63071	0.74846	0.27223	0.25096	0.000852226	Residential	2.95E-07	8.91E-07	5.16E-07	4.67E-07	2.13E-07	1.90E-07	1.2E-08	2.8E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.62E-07	1	1.70E-04
offsite	592114.99	4140464.85	1.34734	0.62145	0.24827	0.25126	0.000753534	Residential	2.61E-07	7.88E-07	4.56E-07	4.13E-07	1.89E-07	1.68E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.73E-07	1	1.51E-04
offsite	592214.99	4140464.85	1.12997	0.52748	0.22756	0.25109	0.000677539	Residential	2.35E-07	7.08E-07	4.10E-07	3.72E-07	1.70E-07	1.51E-07	9.2E-09	2.2E-07	0.0E+00	2.5E-07	0.0E+00	1.3E-07	6.06E-07	1	1.36E-04
offsite	592314.99	4140464.85	0.96534	0.4554	0.20953	0.25045	0.000618746	Residential	2.14E-07	6.47E-07	3.74E-07	3.39E-07	1.55E-07	1.38E-07	8.4E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.53E-07	1	1.24E-04
offsite	592414.99	4140464.85	0.83775	0.39864	0.19389	0.24947	0.000572137	Residential	1.98E-07	5.98E-07	3.46E-07	3.14E-07	1.43E-07	1.28E-07	7.8E-09	1.9E-07	0.0E+00	2.1E-07	0.0E+00	1.1E-07	5.11E-07	1	1.14E-04
offsite	592514.99	4140464.85	0.73267	0.35289	0.17999	0.24775	0.000532798	Residential	1.84E-07	5.57E-07	3.22E-07	2.92E-07	1.33E-07	1.19E-07	7.2E-09	1.8E-07	0.0E+00	1.9E-07	0.0E+00	1.0E-07	4.76E-07	0	1.07E-04
path	592614.99	4140464.85	0.64175	0.31531	0.16782	0.24532	0.00049818	Parks/Paths	0.00E+00	1.77E-08	9.46E-09	7.69E-09	3.55E-09	3.40E-09	0.0E+00	5.6E-09	3.1E-09	0.0E+00	3.3E-10	0.0E+00	9.03E-09	0	9.96E-05
path	592714.99	4140464.85	0.56081	0.28388	0.15696	0.24196	0.000466564	Parks/Paths	0.00E+00	1.66E-08	8.86E-09	7.20E-09	3.32E-09	3.18E-09	0.0E+00	5.2E-09	2.9E-09	0.0E+00	3.1E-10	0.0E+00	8.46E-09	0	9.33E-05
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.001476793	Residential	5.11E-07	1.54E-06	8.94E-07	8.10E-07	3.70E-07	3.30E-07	2.0E-08	4.9E-07	0.0E+00	5.3E-07	0.0E+00	2.8E-07	1.32E-06	1	2.95E-04
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.001169138	Residential	4.05E-07	1.22E-06	7.07E-07	6.41E-07	2.93E-07	2.61E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.04E-06	1	2.34E-04
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.001075811	Residential	3.72E-07	1.12E-06	6.51E-07	5.90E-07	2.69E-07	2.40E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.61E-07	1	2.15E-04
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.001061653	Residential	3.68E-07	1.11E-06	6.42E-07	5.82E-07	2.66E-07	2.37E-07	1.4E-08	3.5E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.49E-07	1	2.12E-04
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.001092227	Residential	3.78E-07	1.14E-06	6.61E-07	5.99E-07	2.73E-07	2.44E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.76E-07	1	2.18E-04
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.001187101	Residential	4.11E-07	1.24E-06	7.18E-07	6.51E-07	2.97E-07	2.65E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.3E-07	1.06E-06	1	2.37E-04
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.001362098	Residential	4.72E-07	1.42E-06	8.24E-07	7.47E-07	3.41E-07	3.04E-07	1.9E-08	4.5E-07	0.0E+00	4.9E-07	0.0E+00	2.6E-07	1.22E-06	1	2.72E-04
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.001784909	Residential	6.18E-07	1.87E-06	1.08E-06	9.79E-07	4.47E-07	3.99E-07	2.4E-08	5.9E-07	0.0E+00	6.5E-07	0.0E+00	3.4E-07	1.60E-06	2	3.57E-04
offsite	591714.99	4140564.85	10.93829	1.38917	0.36212	0.27662	0.003289415	Residential	1.14E-06	3.44E-06	1.99E-06	1.80E-06	8.23E-07	7.35E-07	4.5E-08	1.1E-06	0.0E+00	1.2E-06	0.0E+00	6.2E-07	2.94E-06	3	6.58E-04
offsite	591814.99	4140564.85	5.08341	1.03982	0.32392	0.27721	0.001787405	Residential	6.19E-07	1.87E-06	1.08E-06	9.80E-07	4.47E-07	3.99E-07	2.4E-08	5.9E-07	0.0E+00	6.5E-07	0.0E+00	3.4E-07	1.60E-06	2	3.57E-04
offsite	591914.99	4140564.85	3.31374	0.82289	0.29163	0.27719	0.001307046	Residential	4.52E-07	1.37E-06	7.91E-07	7.17E-07	3.27E-07	2.92E-07	1.8E-08	4.3E-07	0.0E+00	4.7E-07	0.0E+00	2.5E-07	1.17E-06	1	2.61E-04
offsite	592014.99	4140564.85	2.30074	0.67452	0.26411	0.27675	0.001024889	Residential	3.55E-07	1.07E-06	6.20E-07	5.62E-07	2.57E-07	2.29E-07	1.4E-08	3.4E-07	0.0E+00	3.7E-07	0.0E+00	1.9E-07	9.16E-07	1	2.05E-04
offsite	592114.99	4140564.85	1.70781	0.56694	0.24071	0.27608	0.000853638	Residential	2.95E-07	8.92E-07	5.17E-07	4.68E-07	2.14E-07	1.91E-07	1.2E-08	2.8E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.63E-07	1	1.71E-04
offsite	592214.99	4140564.85	1.34913	0.48554	0.22049	0.27495	0.000744773	Residential	2.58E-07	7.78E-07	4.51E-07	4.09E-07	1.86E-07	1.66E-07	1.0E-08	2.4E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.66E-07	1	1.49E-04
offsite	592314.99	4140564.85	1.11598	0.42217	0.20302	0.27345	0.000670229	Residential	2.32E-07	7.01E-07	4.06E-07	3.68E-07	1.68E-07	1.50E-07	9.1E-09	2.2E-07	0.0E+00	2.4E-07	0.0E+00	1.3E-07	5.99E-07	1	1.34E-04
offsite	592414.99	4140564.85	0.94989	0.37164	0.18778	0.27147	0.000614534	Residential	2.13E-07	6.42E-07	3.72E-07	3.37E-07	1.54E-07	1.37E-07	8.4E-09	2.0E-07	0.0E+00	2.2E-07	0.0E+00	1.2E-07	5.49E-07	1	1.23E-04
path	592514.99	4140564.85	0.8165	0.33059	0.17448	0.26884	0.000568439	Parks/Paths	0.00E+00	2.02E-08	1.08E-08	8.77E-09	4.05E-09	3.88E-09	0.0E+00	6.4E-09	3.6E-09	0.0E+00	3.8E-10	0.0E+00	1.03E-08	0	1.14E-04
path	592614.99	4140564.85	0.70008	0.29661	0.16272	0.2652	0.000527199	Parks/Paths	0.00E+00	1.88E-08	1.00E-08	8.14E-09	3.76E-09	3.60E-09	0.0E+00	5.9E-09	3.3E-09	0.0E+00	3.5E-10	0.0E+00	9.56E-09	0	1.05E-04
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.003294106	Residential	1.14E-06	3.44E-06	1.99E-06	1.81E-06	8.24E-07	7.36E-07	4.5E-08	1.1E-06	0.0E+00	1.2E-06	0.0E+00	6.2E-07	2.94E-06	3	6.59E-04
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.001472695	Residential	5.10E-07	1.54E-06	8.91E-07	8.08E-07	3.69E-07	3.29E-07	2.0E-08	4.8E-07	0.0E+00	5.3E-07	0.0E+00	2.8E-07	1.32E-06	1	2.95E-04
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.001169366	Residential	4.05E-07	1.22E-06	7.08E-07	6.41E-07	2.93E-07	2.61E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.05E-06	1	2.34E-04
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.001077011	Residential	3.73E-07	1.13E-06	6.52E-07	5.91E-07	2.70E-07	2.41E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.63E-07	1	2.15E-04
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.001053928	Residential	3.65E-07	1.10E-06	6.38E-07	5.78E-07	2.64E-07	2.35E-07	1.4E-08	3.5E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.42E-07	1	2.11E-04
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.001077866	Residential	3.73E-07	1.13E-06	6.52E-07	5.91E-07	2.70E-07	2.41E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.63E-07	1	2.16E-04
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.001164409	Residential	4.03E-07	1.22E-06	7.05E-07	6.39E-07	2.91E-07	2.60E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.04E-06	1	2.33E-04
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.001358247	Residential	4.70E-07	1.42E-06	8.22E-07	7.45E-07	3.40E-07	3.03E-07	1.8E-08	4.5E-07	0.0E+00	4.9E-07	0.0E+00	2.6E-07	1.21E-06	1	2.72E-04
offsite	591314.99	4140664.85	2.2313	6.67174	0.60105	0.30516	0.002259853	Residential	7.82E-07	2.36E-06	1.37E-06	1.24E-06	5.66E-07	5.05E-07	3.1E-08	7.4E-07	0.0E+00	8.2E-07	0.0E+00	4.3E-07	2.02E-06	2	4.52E-04
offsite	591914.99	4140664.85	10.44952	0.73481	0.28149	0.30771	0.003056936	Residential	1.06E-06	3.20E-06	1.85E-06	1.68E-06	7.65E-07	6.83E-07	4.2E-08	1.0E-06	0.0E+00	1.1E-06	0.0E+00	5.8E-07	2.73E-06	3	6.11E-04
offsite	592014.99	4140664.85	3.56423	0.61041	0.2545	0.30574	0.001346853	Residential	4.66E-07	1.41E-06	8.15E-07	7.39E-07	3.37E-07	3.01E-07	1.8E-08	4.4E-07	0.0E+00	4.9E-07	0.0E+00	2.6E-07	1.20E-06	1	2.69E-04
offsite	592114.99	4140664.85	2.21972	0.51823	0.23183	0.30389	0.000994386	Residential	3.44E-07	1.04E-06	6.02E-07	5.45E-07	2.49E-07	2.22E-07	1.4E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.89E-07	1	1.99E-04
offsite	592214.99	4140664.85	1.63705	0.44735	0.21243	0.30176	0.000832149	Residential	2.88E-07	8.70E-07	5.04E-07	4.56E-07	2.08E-07	1.86E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.44E-07	1	1.66E-04
path	592314.99	4140664.85	1.31516	0.39137	0.19591	0.29966	0.000737023	Parks/Paths	0.00E+00	2.63E-08	1.40E-08	1.14E-08	5.25E-09	5.03E-09	0.0E+00	8.3E-09	4.6E-09	0.0E+00	5.0E-10	0.0E+00	1.34E-08	0	1.47E-04
path	592414.99	4140664.85	1.10459	0.3466	0.18136	0.29643	0.00067052	Parks/Paths	0.00E+00	2.39E-08	1.27E-08	1.03E-08	4.78E-09	4.58E-09	0.0E+00	7.5E-09	4.2E-09	0.0E+00	4.5E-10	0.0E+00	1.22E-08	0	1.34E-04
path	592514.99	4140664.85	0.92734	0.30971	0.16864	0.29256	0.000613446	Parks/Paths	0.00E+00	2.18E-08	1.17E-08	9.47E-09	4.37E-09	4.19E-09	0.0E+00	6.9E-09	3.8E-09	0.0E+00	4.1E-10	0.0E+00	1.11E-08	0	1.23E-04
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.003347329	Residential	1.16E-06	3.50E-06	2.03E-06	1.84E-06	8.38E-07	7.48E-07	4.6E-08	1.1E-06	0.0E+00	1.2E-06	0.0E+00	6.3E-07	2.99E-06	3	6.69E-04
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.001507472	Residential	5.22E-07	1.58E-06	9.12E-07	8.27E-07	3.77E-07	3.37E-07	2.1E-08	5.0E-07	0.0E+00	5.5E-07	0.0E+00	2.9E-07	1.35E-06	1	3.01E-04
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.001206611	Residential	4.18E-07	1.26E-06	7.30E-07	6.62E-07	3.02E-07	2.70E-07	1.6E-08	4.0E-07	0.0E+00	4.4E-07	0.0E+00	2.3E-07	1.08E-06	1	2.41E-04
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.001108243	Residential	3.84E-07	1.16E-06	6.71E-07	6.08E-07	2.77E-07	2.48E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.90E-07	1	2.22E-04
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.001084983	Residential	3.76E-07	1.13E-06	6.56E-07	5.95E-07	2.72E-07	2.42E-07	1.5E-08	3.6E-07	0.0E+00	3.9E-07	0.0E+00	2.1E-07	9.70E-07	1	2.17E-04
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.001107915	Residential	3.84E-07	1.16E-06	6.70E-07	6.08E-07	2.77E-07	2.48E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.90E-07	1	2.22E-04
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.001214117	Residential	4.20E-07	1.27E-06	7.35E-07	6.66E-07	3.04E-07	2.71E-07	1.7E-08	4.0E-07	0.0E+00	4.4E-07	0.0E+00	2.3E-07	1.09E-06	1	2.43E-04

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	Dose Inhallation: 3rd trimester	0<2	2<9	2<16	16<30	16-70	Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year): 3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.001548082	Residential	5.36E-07	1.62E-06	9.37E-07	8.49E-07	3.87E-07	3.46E-07	2.1E-08	5.1E-07	0.0E+00	5.6E-07	0.0E+00	2.9E-07	1.38E-06	1	3.10E-04
offsite	592014.99	4140764.85	6.87477	0.55498	0.24466	0.33969	0.002174184	Residential	7.53E-07	2.27E-06	1.32E-06	1.19E-06	5.44E-07	4.86E-07	3.0E-08	7.1E-07	0.0E+00	7.9E-07	0.0E+00	4.1E-07	1.94E-06	2	4.35E-04
path	592114.99	4140764.85	3.07953	0.47503	0.2229	0.33659	0.001225776	Parks/Paths	0.00E+00	4.37E-08	2.33E-08	1.89E-08	8.73E-09	8.37E-09	0.0E+00	1.4E-08	7.7E-09	0.0E+00	8.2E-10	0.0E+00	2.22E-08	0	2.45E-04
path	592214.99	4140764.85	2.08739	0.41318	0.20444	0.33305	0.000964305	Parks/Paths	0.00E+00	3.43E-08	1.83E-08	1.49E-08	6.87E-09	6.58E-09	0.0E+00	1.1E-08	6.0E-09	0.0E+00	6.5E-10	0.0E+00	1.75E-08	0	1.93E-04
path	592314.99	4140764.85	1.63289	0.36343	0.18843	0.3294	0.000836644	Parks/Paths	0.00E+00	2.98E-08	1.59E-08	1.29E-08	5.96E-09	5.71E-09	0.0E+00	9.4E-09	5.2E-09	0.0E+00	5.6E-10	0.0E+00	1.52E-08	0	1.67E-04
offsite	590714.99	4140864.85	0.90408	0.66981	2.33819	0.37835	0.001277831	Residential	4.42E-07	1.34E-06	7.73E-07	7.01E-07	3.20E-07	2.85E-07	1.7E-08	4.2E-07	0.0E+00	4.6E-07	0.0E+00	2.4E-07	1.14E-06	1	2.56E-04
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.001173271	Residential	4.06E-07	1.23E-06	7.10E-07	6.44E-07	2.94E-07	2.62E-07	1.6E-08	3.9E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.05E-06	1	2.35E-04
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.001149264	Residential	3.98E-07	1.20E-06	6.95E-07	6.30E-07	2.88E-07	2.57E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.03E-06	1	2.30E-04
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.001187362	Residential	4.11E-07	1.24E-06	7.18E-07	6.51E-07	2.97E-07	2.65E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.3E-07	1.06E-06	1	2.37E-04
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.001348259	Residential	4.67E-07	1.41E-06	8.16E-07	7.40E-07	3.37E-07	3.01E-07	1.8E-08	4.4E-07	0.0E+00	4.9E-07	0.0E+00	2.6E-07	1.20E-06	1	2.70E-04
offsite	591214.99	4140864.85	1.29664	8.59958	0.66601	0.41344	0.002521842	Residential	8.73E-07	2.64E-06	1.53E-06	1.38E-06	6.31E-07	5.63E-07	3.4E-08	8.3E-07	0.0E+00	9.1E-07	0.0E+00	4.8E-07	2.25E-06	2	5.04E-04
Phase7	591314.99	4140864.85	1.42654	5.62814	0.56007	0.41045	0.001958682	Daycare	1.61E-07	5.37E-07	2.86E-07	2.33E-07	1.07E-07	1.03E-07	6.3E-09	1.7E-07	5.4E-08	0.0E+00	0.0E+00	0.0E+00	2.29E-07	0	3.92E-04
path	591914.99	4140864.85	5.18803	0.59501	0.25766	0.38347	0.001816975	Parks/Paths	0.00E+00	6.47E-08	3.45E-08	2.80E-08	1.29E-08	1.24E-08	0.0E+00	2.0E-08	1.1E-08	0.0E+00	1.2E-09	0.0E+00	3.29E-08	0	3.63E-04
path	592114.99	4140864.85	5.25384	0.43635	0.21317	0.37399	0.001782819	Parks/Paths	0.00E+00	6.35E-08	3.39E-08	2.75E-08	1.27E-08	1.22E-08	0.0E+00	2.0E-08	1.1E-08	0.0E+00	1.2E-09	0.0E+00	3.23E-08	0	3.57E-04
Phase5	590714.99	4140964.85	0.81493	0.74878	2.31683	0.49909	0.00138502	Daycare	1.14E-07	3.79E-07	2.02E-07	1.64E-07	7.59E-08	7.27E-08	4.5E-09	1.2E-07	3.8E-08	0.0E+00	0.0E+00	0.0E+00	1.62E-07	0	2.77E-04
Phase5	590814.99	4140964.85	0.83379	0.88609	1.58334	0.51162	0.001253398	Daycare	1.03E-07	3.43E-07	1.83E-07	1.49E-07	6.87E-08	6.58E-08	4.1E-09	1.1E-07	3.5E-08	0.0E+00	0.0E+00	0.0E+00	1.47E-07	0	2.51E-04
Phase5	590914.99	4140964.85	0.91505	1.24463	1.21985	0.50918	0.001252572	Daycare	1.03E-07	3.43E-07	1.83E-07	1.49E-07	6.86E-08	6.58E-08	4.1E-09	1.1E-07	3.5E-08	0.0E+00	0.0E+00	0.0E+00	1.46E-07	0	2.51E-04
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.001314702	Residential	4.55E-07	1.37E-06	7.95E-07	7.21E-07	3.29E-07	2.94E-07	1.8E-08	4.3E-07	0.0E+00	4.8E-07	0.0E+00	2.5E-07	1.17E-06	1	2.63E-04
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.001659364	Residential	5.74E-07	1.73E-06	1.00E-06	9.10E-07	4.15E-07	3.71E-07	2.3E-08	5.5E-07	0.0E+00	6.0E-07	0.0E+00	3.1E-07	1.48E-06	1	3.32E-04
Phase7	591314.99	4140964.85	1.21455	3.18739	0.52992	0.48559	0.001508425	Daycare	1.24E-07	4.13E-07	2.20E-07	1.79E-07	8.27E-08	7.92E-08	4.9E-09	1.3E-07	4.2E-08	0.0E+00	0.0E+00	0.0E+00	1.76E-07	0	3.02E-04
Phase7	591414.99	4140964.85	1.32649	1.82344	0.44189	0.47575	0.001244944	Daycare	1.03E-07	3.41E-07	1.82E-07	1.48E-07	6.82E-08	6.54E-08	4.0E-09	1.1E-07	3.4E-08	0.0E+00	0.0E+00	0.0E+00	1.46E-07	0	2.49E-04
Phase8	591514.99	4140964.85	1.45834	1.26834	0.38068	0.46563	0.001146671	Daycare	9.45E-08	3.14E-07	1.68E-07	1.36E-07	6.28E-08	6.02E-08	3.7E-09	9.9E-08	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.34E-07	0	2.29E-04
Phase8	591614.99	4140964.85	1.6083	0.97352	0.34277	0.45232	0.001104854	Daycare	9.11E-08	3.03E-07	1.61E-07	1.31E-07	6.05E-08	5.80E-08	3.6E-09	9.5E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.29E-07	0	2.21E-04
path	591914.99	4140964.85	3.37142	0.53894	0.24442	0.43132	0.001407547	Parks/Paths	0.00E+00	5.01E-08	2.67E-08	2.17E-08	1.00E-08	9.61E-09	0.0E+00	1.6E-08	8.8E-09	0.0E+00	9.5E-10	0.0E+00	2.55E-08	0	2.82E-04
offsite	592014.99	4140964.85	6.49538	0.46182	0.22203	0.42478	0.002142393	Residential	7.42E-07	2.24E-06	1.30E-06	1.18E-06	5.36E-07	4.79E-07	2.9E-08	7.0E-07	0.0E+00	7.8E-07	0.0E+00	4.1E-07	1.91E-06	2	4.28E-04
Phase5	590714.99	4141064.85	0.72377	0.81963	2.24297	0.65508	0.001512389	Daycare	1.25E-07	4.14E-07	2.21E-07	1.80E-07	8.29E-08	7.94E-08	4.9E-09	1.3E-07	4.2E-08	0.0E+00	0.0E+00	0.0E+00	1.77E-07	0	3.02E-04
Phase5	590814.99	4141064.85	0.75236	0.94849	1.4133	0.62764	0.001319238	Daycare	1.09E-07	3.61E-07	1.93E-07	1.57E-07	7.23E-08	6.93E-08	4.3E-09	1.1E-07	3.6E-08	0.0E+00	0.0E+00	0.0E+00	1.54E-07	0	2.64E-04
Phase5	590914.99	4141064.85	0.80363	1.33396	1.10899	0.63147	0.001336514	Daycare	1.10E-07	3.66E-07	1.95E-07	1.59E-07	7.32E-08	7.02E-08	4.3E-09	1.2E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.56E-07	0	2.67E-04
Phase5	591014.99	4141064.85	0.85389	2.16383	0.87437	0.62034	0.001440153	Daycare	1.19E-07	3.95E-07	2.10E-07	1.71E-07	7.89E-08	7.56E-08	4.7E-09	1.2E-07	4.0E-08	0.0E+00	0.0E+00	0.0E+00	1.68E-07	0	2.88E-04
Phase7	591214.99	4141064.85	0.991	4.86026	0.59714	0.57695	0.001878966	Daycare	1.55E-07	5.15E-07	2.75E-07	2.23E-07	1.03E-07	9.87E-08	6.1E-09	1.6E-07	5.2E-08	0.0E+00	0.0E+00	0.0E+00	2.20E-07	0	3.76E-04
Phase7	591314.99	4141064.85	1.06395	2.20454	0.4846	0.56748	0.001354176	Daycare	1.12E-07	3.71E-07	1.98E-07	1.61E-07	7.42E-08	7.11E-08	4.4E-09	1.2E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.58E-07	0	2.71E-04
Phase7	591414.99	4141064.85	1.13226	1.42228	0.40726	0.53866	0.001174836	Daycare	9.68E-08	3.22E-07	1.72E-07	1.39E-07	6.44E-08	6.17E-08	3.8E-09	1.0E-07	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.37E-07	0	2.35E-04
Phase8	591514.99	4141064.85	1.23404	1.05573	0.34975	0.52408	0.001101677	Daycare	9.08E-08	3.02E-07	1.61E-07	1.31E-07	6.04E-08	5.79E-08	3.6E-09	9.5E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.29E-07	0	2.20E-04
Phase8	591614.99	4141064.85	1.37544	0.83569	0.30539	0.51456	0.00107423	Daycare	8.85E-08	2.94E-07	1.57E-07	1.28E-07	5.89E-08	5.64E-08	3.5E-09	9.2E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.26E-07	0	2.15E-04
Phase8	591714.99	4141064.85	1.59145	0.69287	0.28386	0.5096	0.001089623	Daycare	8.98E-08	2.99E-07	1.59E-07	1.29E-07	5.97E-08	5.72E-08	3.5E-09	9.4E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.27E-07	0	2.18E-04
path	591814.99	4141064.85	1.89556	0.57616	0.25559	0.49832	0.001123634	Parks/Paths	0.00E+00	4.00E-08	2.13E-08	1.73E-08	8.00E-09	7.67E-09	0.0E+00	1.3E-08	7.0E-09	0.0E+00	7.5E-10	0.0E+00	2.04E-08	0	2.25E-04
offsite	591914.99	4141064.85	2.41673	0.48979	0.23101	0.48968	0.001219808	Residential	4.22E-07	1.27E-06	7.38E-07	6.69E-07	3.05E-07	2.73E-07	1.7E-08	4.0E-07	0.0E+00	4.4E-07	0.0E+00	2.3E-07	1.09E-06	1	2.44E-04
offsite	592014.99	4141064.85	3.27292	0.42304	0.21038	0.48094	0.001402214	Residential	4.85E-07	1.47E-06	8.48E-07	7.69E-07	3.51E-07	3.13E-07	1.9E-08	4.6E-07	0.0E+00	5.1E-07	0.0E+00	2.7E-07	1.25E-06	1	2.80E-04
offsite	592114.99	4141064.85	4.71179	0.37021	0.19296	0.47243	0.001730268	Residential	5.99E-07	1.81E-06	1.05E-06	9.49E-07	4.33E-07	3.87E-07	2.4E-08	5.7E-07	0.0E+00	6.3E-07	0.0E+00	3.3E-07	1.55E-06	2	3.46E-04
offsite	592214.99	4141064.85	6.96192	0.32767	0.17806	0.46392	0.002258593	Residential	7.82E-07	2.36E-06	1.37E-06	1.24E-06	5.65E-07	5.05E-07	3.1E-08	7.4E-07	0.0E+00	8.2E-07	0.0E+00	4.3E-07	2.02E-06	2	4.52E-04
offsite	592314.99	4141064.85	6.35648	0.29284	0.16511	0.45462	0.002092155	Residential	7.24E-07	2.19E-06	1.27E-06	1.15E-06	5.24E-07	4.67E-07	2.8E-08	6.9E-07	0.0E+00	7.6E-07	0.0E+00	4.0E-07	1.87E-06	2	4.18E-04
Phase5	590714.99	4141164.85	0.66605	0.89022	2.05619	0.89998	0.001708544	Daycare	1.41E-07	4.68E-07	2.50E-07	2.03E-07	9.36E-08	8.97E-08	5.5E-09	1.5E-07	4.7E-08	0.0E+00	0.0E+00	0.0E+00	2.00E-07	0	3.42E-04
Phase5	590814.99	4141164.85	0.68612	1.08247	1.32866	0.80726	0.001485429	Daycare	1.22E-07	4.07E-07	2.17E-07	1.76E-07	8.14E-08	7.80E-08	4.8E-09	1.3E-07	4.1E-08	0.0E+00	0.0E+00	0.0E+00	1.74E-07	0	2.97E-04
Phase5	590914.99	4141164.85	0.73002	1.62278	1.02757	0.79118	0.001511589	Daycare	1.25E-07	4.14E-07	2.21E-07	1.79E-07	8.28E-08	7.94E-08	4.9E-09	1.3E-07	4.2E-08	0.0E+00	0.0E+00	0.0E+00	1.77E-07	0	3.02E-04
offsite	591014.99	4141164.85	0.78454	3.95294	0.81699	0.78597	0.00191392	Residential	6.63E-07	2.00E-06	1.16E-06	1.05E-06	4.79E-07	4.28E-07	2.6E-08	6.3E-07	0.0E+00	6.9E-07	0.0E+00	3.6E-07	1.71E-06	2	3.83E-04
Phase6	591114.99	4141164.85	0.82837	11.31349	0.67388	0.72279	0.003231872	Daycare	2.66E-07	8.85E-07	4.72E-07	3.84E-07	1.77E-07	1.70E-07	1.0E-08	2.8E-07	8.9E-08	0.0E+00	0.0E+00	0.0E+00	3.78E-07	0	6.46E-04
Phase6	591214.99	4141164.85	0.88623	2.90624	0.53448	0.69924	0.001586359	Daycare	1.31E-07	4.35E-07	2.32E-07	1.88E-07	8.69E-08	8.33E-08	5.1E-09	1.4E-07	4.4E-08	0.0E+00	0.0E+00	0.0E+00	1.85E-07	0	3.17E-04
Phase7	591314.99	4141164.85	0.93648	1.68259	0.44042	0.65306	0.001297361	Daycare	1.07E-07	3.55E-07	1.90E-07	1.54E-07	7.11E-08	6.81E-08	4.2E-09	1.1E-07	3.6E-08	0.0E+00	0.0E+00	0.0E+00	1.52E-07	0	2.59E-04
Phase8	591414.99	4141164.85	0.98925	1.17518	0.37019	0.63033	0.001174339	Daycare	9.68E-08	3.22E-07	1.72E-07	1.39E-07	6.43E-08	6.17E-08	3.8E-09	1.0E-07	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.37E-07	0	2.35E-04
Phase8	591514.99	4141164.85	1.07605	0.90795	0.31955	0.60262	0.001105171	Daycare	9.11E-08	3.03E-07	1.61E-07	1.31E-07	6.06E-08	5.80E-08	3.6E-09	9.5E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.29E-07	0	2.21E-04
Phase8	591614.99	4141164.85	1.19651	0.74458	0.28195	0.59838	0.00109024	Daycare	8.99E-08	2.99E-07	1.59E-07	1.29E-07	5.97E-08	5.73E-08	3.5E-09	9.4E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.27E-07	0	2.18E-04
path	591714.99	4141164.85	1.32593	0.6184	0.26693	0.58496	0.00108092	Parks/Paths	0.00E+00	3.85E-08	2.05E-08	1.67E-08	7.70E-09	7.38E-09	0.0E+00	1.2E-08	6.8E-09	0.0E+00	7.3E-10	0.0E+00	1.96E-08	0	2.16E-04
path	591814.99	4141164.85	1.51764	0.52094	0.23982	0.57369	0.001091495	Parks/Paths	0.00E+00	3.89E-08	2.07E-08	1.68E-08	7.78E-09	7.45E-09	0.0E+00	1.2E-08	6.8E-09	0.0E+00	7.3E-10	0.0E+00	1.98E-08	0	2.18E-04
offsite	591914.99	4141164.85	1.76524	0.4468	0.21761	0.56265	0.001121531	Residential	3.88E-07	1.17E-06	6.79E-07	6.15E-07	2.81E-07	2.51E-07	1.5E-08	3.7E-07	0.0E+00	4.1E-07	0.0E+00	2.1E-07	1.00E-06	1	2.24E-04
offsite	592014.99	4141164.85	2.04461	0.38854	0.19887	0.55136	0.001162919	Residential	4.03E-07	1.22E-06	7.04E-07	6.38E-07	2.91E-07	2.60E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.04E-06	1	2.33E-04
offsite	592114.99	4141164.85	2.27258	0.34199	0.18303	0.54009	0.001194724	Residential	4.14E-07	1.25E-06	7.23E-07	6.55E-07	2.99E-07	2.67E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.3E-07	1.07E-06	1	2.39E-04
offsite	592214.99	4141164.85	2.18962	0.30421	0.1694	0.52879	0.001152922	Residential	3.99E-07	1.21E-06	6.98E-07	6.32E-07	2.89E-07	2.58E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.03E-06	1	2.31E-04
offsite	592314.99	4141164.85	1.60857	0.27322	0.15771	0.51642	0.000990436	Residential	3.43E-07	1.04E-06	5.99E-07	5.43E-07	2.48E-07	2.21E-07	1.3E-08	3.3E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.85E-07	1	1.98E-04
offsite	590714.99	4141264.85	0.61468	1.05837	2.0248	1.28793	0.002102795	Residential	7.28E-07	2.20E-06	1.27E-06	1.15E-06	5.26E-07	4.70E-07	2.9E-08	6.9E-07	0.0E+00	7.6E-07	0.0E+00	4.0E-07	1.88E-06	2	4.21E-04
offsite	590814.99	4141264.85	0.65479	1.55973	1.39467	1.15212	0.001924264	Residential	6.66E-07	2.01E-06	1.16E-06	1.06E-06	4.82E-07	4.30E-07	2.6E-08	6.3E-07	0.0E+00	7.0E-07	0.0E+00	3.6E-07	1.72E-06	2	3.85E-04
offsite	590914.99	4141264.85	0.67348	2.36037	0.96176	1.04814	0.001875925	Residential	6.49E-07	1.96E-06	1.14E-06	1.03E-06	4.69E-07	4.19E-07	2.6E-08	6.2E-07	0.0E+00	6.8E-07	0.0E+00	3.6E-07	1.68E-06	2	3.75E-04
Phase6	591114.99	4141264.85	0.74824	4.34735	0.61261	0.88335	0.002027526	Daycare	1.67E-07	5.55E-07	2.96E-07	2.41E-07	1.11E-07	1.06E-07	6.6E-09	1.7E-07	5.6E-08	0.0E+00	0.0E+00	0.0E+00	2.37E-07	0	4.06E-04
offsite	591214.99	4141264.85	0.79777	2.0811	0.4763	0.8377	0.001529993	Residential	5.30E-07	1.60E-06	9.26E-07	8.39E-07	3.83E-07	3.42E-07	2.1E-08	5.0E-07	0.0E+00	5.5E-07	0.0E+00	2.9E-07	1.37E-06	1	3.06E-04
Phase6	591314.99	4141264.85	0.83815	1.37172	0.39583	0.76613	0.001314883	Daycare	1.08E-07	3.60E-07	1.92E-07	1.56E-07	7.20E-08	6.90E-08	4.3E-09	1.1E-07	3.6E-08	0.0E+00	0.0E+00	0.0E+00	1.54E-07	0	2.63E-04
Phase6	591414.99	4141264.85	0.89158	1.02073	0.33682	0.72958	0.001210908	Daycare	9.98E-08	3.32E-07	1.77E-07	1.44E-07	6.64E-08	6.36E-08	3.9E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.42E-07	0	2.42E-04
Phase8	591514.99	4141264.85	0.95529	0.81218	0.29437	0.71291	0.00116013	Daycare	9.56E-08	3.18E-07	1.70E-07	1.38E-07	6.36E-08	6.09E-08	3.8E-09	1.0E-07	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.36E-07	0	2.32E-04
path	591614.99	4141264.85	1.01647	0.66847	0.27815	0.7011	0.001132137	Parks/Paths	0.00E+00	4.03E-08	2.15E-08	1.75E-08	8.06E-09	7.73E-09	0.0E+00	1.3E-08	7.1E-09	0.0E+00	7.6E-10	0.0E+00	2.05E-08	0	2.26E-04
path	591714.99	4141264.85	1.10535	0.55716	0.2487	0.68547	0.001110158	Parks/Paths	0.00E+00	3.95E-08	2.11E-08	1.71E-08	7.91E-09	7.58E-09	0.0E+00	1.2E-08	7.0E-09	0.0E+00	7.5E-10	0.0E+00	2.01E-08	0	2.22E-04
offsite	591814.99	4141264.85	1.20513	0.47348	0.22457	0.67137	0.001098878	Residential	3.80E-07	1.15E-06	6.65E-07	6.03E-07	2.75E-07	2.46E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.82E-07	1	2.20E-04
offsite	591914.99	4141264.85	1.3004	0.40866	0.20454	0.65751	0.00109131	Residential	3.78E-07	1.14E-06	6.60E-07	5.99E-07	2.73E-07	2.44E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.75E-07	1	2.18E-04
offsite	592014.99	4141264.85	1.35823	0.35748	0.18781	0.64306	0.001077423	Residential	3.73E-07	1.13E-06	6.52E-07	5.91E-07	2.70E-07	2.41E-07	1.5E-08	3.5E-07	0.0E+00	3.9E-07	0.0E+00	2.0E-07	9.63E-07	1	2.15E-04
offsite	592114.99	4141264.85	1.32263	0.31633	0.17351	0.62793	0.001042588	Residential	3.61E-07	1.09E-06	6.31E-07	5.72E-07	2.61E-07	2.33E-07	1.4E-08	3.4E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.32E-07	1	2.09E-04
offsite	592214.99	4141264.85	1.14392	0.2828	0.1612	0.61267	0.000974675	Residential	3.37E-07	1.02E-06	5.90E-07	5.35E-07	2.44E-07	2.18E-07	1.3E-08	3.2E-07	0.0E+00	3.5E-07	0.0E+00	1.8E-07	8.71E-07	1	1.95E-04
offsite	592314.99	4141264.85	0.86606	0.2551	0.15047	0.59552	0.000882225	Residential	3.05E-07	9.22E-07	5.34E-07	4.84E-07	2.21E-07	1.97E-07	1.2E-08	2.9E-07	0.0E+00	3.2E-07	0.0E+00	1.7E-07	7.88E-07	1	1.76E-04
offsite	592414.99	4141264.85	0.62559	0.23188	0.14097	0.57329	0.000795031	Residential	2.75E-07	8.31E-07	4.81E-07	4.36E-07	1.99E-07	1.78E-07	1.1E-08	2.6E-07	0.0E+00	2.9E-07	0.0E+00	1.5E-07	7.11E-07	1	1.59E-04
Phase6	591014.99	4141364.85	0.65236	8.39915	0.6796	1.22889	0.003133172	Daycare	2.58E-07	8.58E-07	4.58E-07	3.72E-07	1.72E-07	1.65E-07	1.0E-08	2.7E-07	8.6E-08	0.0E+00	0.0E+00	0.0E+00	3.66E-07	0	6.27E-04
Phase6	591114.99	4141364.85	0.6702	2.37905	0.49166	1.07077	0.001788985	Daycare	1.47E-07	4.90E-07	2.61E-07	2.12E-07	9.80E-08	9.39E-08	5.8E-09	1.5E-07	4.9E-08	0.0E+00	0.0E+00	0.0E+00	2.09E-07	0	3.58E-04
Phase6	591214.99	4141364.85	0.70511	1.58532	0.40963	0.98857	0.001545614	Daycare	1.27E-07	4.23E-07	2.26E-07	1.83E-07	8.47E-08	8.12E-08	5.0E-09	1.3E-07	4.3E-08	0.0E+00	0.0E+00	0.0E+00	1.81E-07	0	3.09E-04
Phase6	591314.99	4141364.85	0.7409	1.14861	0.34711	0.92318	0.001391746	Daycare	1.15E-07	3.81E-07	2.03E-07	1.65E-07	7.63E-08	7.31E-08	4.5E-09	1.2E-07	3.8E-08	0.0E+00	0.0E+00	0.0E+00	1.63E-07	0	2.78E-04
Phase6	591414.99	4141364.85	0.79013	0.89426	0.30309	0.87162	0.00129396	Daycare	1.07E-07	3.55E-07	1.89E-07	1.54E-07	7.09E-08	6.79E-08	4.2E-09	1.1E-07	3.6E-08	0.0E+00	0.0E+00	0.0E+00	1.51E-07	0	2.59E-04
Phase6	591514.99	4141364.85	0.82169	0.72991	0.28894	0.86575	0.001261157	Daycare	1.04E-07	3.46E-07	1.84E-07	1.50E-07	6.91E-08	6.62E-08	4.1E-09	1.1E-07	3.5E-08	0.0E+00	0.0E+00	0.0E+00	1.47E-07	0	2.52E-04
path	591614.99	4141364.85	0.86752	0.5993	0.25697	0.8421	0.001216505	Parks/Paths	0.00E+00	4.33E-08	2.31E-08	1.88E-08	8.67E-09	8.30E-09	0.0E+00	1.4E-08	7.6E-09	0.0E+00	8.2E-10	0.0E+00	2.21E-08	0	2.43E-04
offsite	591714.99	4141364.85	0.91431	0.50354	0.2312	0.82312	0.00118481	Residential	4.10E-07	1.24E-06	7.17E-07	6.50E-07	2.97E-07	2.65E-07	1.6E-08	3.9E-07	0.0E+00	4.3E-07	0.0E+00	2.2E-07	1.06E-06	1	2.37E-04
offsite	591814.99	4141364.85	0.95406	0.43077	0.21006	0.80569	0.001158413	Residential	4.01E-07	1.21E-06	7.01E-07	6.35E-07	2.90E-07	2.59E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.04E-06	1	2.32E-04
offsite	591914.99	4141364.85	0.97257	0.37412	0.19233	0.78766	0.001130135	Residential	3.91E-07	1.18E-06	6.84E-07	6.20E-07	2.83E-07	2.53E-07	1.5E-08	3.7E-07	0.0E+00	4.1E-07	0.0E+00	2.1E-07	1.01E-06	1	2.26E-04
offsite	592014.99	4141364.85	0.95079	0.32912	0.1773	0.76807	0.001093367	Residential	3.78E-07	1.14E-06	6.62E-07	6.00E-07	2.74E-07	2.44E-07	1.5E-08	3.6E-07	0.0E+00	4.0E-07	0.0E+00	2.1E-07	9.77E-07	1	2.19E-04
offsite	592114.99	4141364.85	0.87206	0.29278	0.16446	0.74714	0.001043572	Residential	3.61E-07	1.09E-06	6.31E-07	5.72E-07	2.61E-07	2.33E-07	1.4E-08	3.4E-07	0.0E+00	3.8E-07	0.0E+00	2.0E-07	9.33E-07	1	2.09E-04
offsite	592214.99	4141364.85	0.7397	0.26302	0.15333	0.72574	0.000981907	Residential	3.40E-07	1.03E-06	5.94E-07	5.39E-07	2.46E-07	2.19E-07	1.3E-08	3.2E-07	0.0E+00	3.6E-07	0.0E+00	1.9E-07	8.78E-07	1	1.96E-04
offsite	592314.99	4141364.85	0.58987	0.23837	0.14363	0.70099	0.000913998	Residential	3.16E-07	9.55E-07	5.53E-07	5.01E-07	2.29E-07	2.04E-07	1.2E-08	3.0E-07	0.0E+00	3.3E-07	0.0E+00	1.7E-07	8.17E-07	1	1.83E-04

Roadway HRA
Cumulative With Project

	AERMOD Output								Dose Inhalation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] - SCALED	Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592414.99	4141364.85	0.46652	0.2177	0.1351	0.66723	0.000844705	Residential	2.92E-07	8.83E-07	5.11E-07	4.63E-07	2.11E-07	1.89E-07	1.1E-08	2.8E-07	0.0E+00	3.1E-07	0.0E+00	1.6E-07	7.55E-07	1	1.69E-04
offsite	592514.99	4141364.85	0.38163	0.20008	0.12738	0.62195	0.000774211	Residential	2.68E-07	8.09E-07	4.68E-07	4.25E-07	1.94E-07	1.73E-07	1.1E-08	2.5E-07	0.0E+00	2.8E-07	0.0E+00	1.5E-07	6.92E-07	1	1.55E-04
Phase6	591014.99	4141464.85	0.59376	4.36886	0.53654	1.58524	0.002667314	Daycare	2.20E-07	7.31E-07	3.90E-07	3.17E-07	1.46E-07	1.40E-07	8.6E-09	2.3E-07	7.3E-08	0.0E+00	0.0E+00	0.0E+00	3.12E-07	0	5.33E-04
Phase6	591114.99	4141464.85	0.60882	2.00352	0.42083	1.36007	0.001970541	Daycare	1.62E-07	5.40E-07	2.88E-07	2.34E-07	1.08E-07	1.03E-07	6.4E-09	1.7E-07	5.4E-08	0.0E+00	0.0E+00	0.0E+00	2.30E-07	0	3.94E-04
Phase6	591214.99	4141464.85	0.63224	1.33263	0.35371	1.22311	0.0016974	Daycare	1.40E-07	4.65E-07	2.48E-07	2.02E-07	9.30E-08	8.91E-08	5.5E-09	1.5E-07	4.7E-08	0.0E+00	0.0E+00	0.0E+00	1.98E-07	0	3.39E-04
Phase6	591314.99	4141464.85	0.6678	1.00537	0.31023	1.14619	0.001557525	Daycare	1.28E-07	4.27E-07	2.28E-07	1.85E-07	8.53E-08	8.18E-08	5.0E-09	1.3E-07	4.3E-08	0.0E+00	0.0E+00	0.0E+00	1.82E-07	0	3.12E-04
Phase6	591414.99	4141464.85	0.69903	0.80706	0.29278	1.11843	0.001495815	Daycare	1.23E-07	4.10E-07	2.19E-07	1.78E-07	8.20E-08	7.85E-08	4.8E-09	1.3E-07	4.1E-08	0.0E+00	0.0E+00	0.0E+00	1.75E-07	0	2.99E-04
path	591514.99	4141464.85	0.71384	0.64925	0.26463	1.0815	0.001426243	Parks/Paths	0.00E+00	5.08E-08	2.71E-08	2.20E-08	1.02E-08	9.74E-09	0.0E+00	1.6E-08	8.9E-09	0.0E+00	9.6E-10	0.0E+00	2.59E-08	0	2.85E-04
offsite	591614.99	4141464.85	0.7375	0.53729	0.23742	1.05328	0.001376376	Residential	4.76E-07	1.44E-06	8.33E-07	7.55E-07	3.44E-07	3.08E-07	1.9E-08	4.5E-07	0.0E+00	5.0E-07	0.0E+00	2.6E-07	1.23E-06	1	2.75E-04
offsite	591714.99	4141464.85	0.75438	0.45455	0.21466	1.02588	0.001332297	Residential	4.61E-07	1.39E-06	8.06E-07	7.31E-07	3.33E-07	2.98E-07	1.8E-08	4.4E-07	0.0E+00	4.8E-07	0.0E+00	2.5E-07	1.19E-06	1	2.66E-04
offsite	591814.99	4141464.85	0.76039	0.39183	0.19646	1.00272	0.00129465	Residential	4.48E-07	1.35E-06	7.83E-07	7.10E-07	3.24E-07	2.89E-07	1.8E-08	4.3E-07	0.0E+00	4.7E-07	0.0E+00	2.5E-07	1.16E-06	1	2.59E-04
offsite	591914.99	4141464.85	0.74509	0.34243	0.18082	0.97755	0.001252979	Residential	4.34E-07	1.31E-06	7.58E-07	6.87E-07	3.14E-07	2.80E-07	1.7E-08	4.1E-07	0.0E+00	4.5E-07	0.0E+00	2.4E-07	1.12E-06	1	2.51E-04
offsite	592014.99	4141464.85	0.70203	0.30304	0.16746	0.94994	0.001204591	Residential	4.17E-07	1.26E-06	7.29E-07	6.61E-07	3.01E-07	2.69E-07	1.6E-08	4.0E-07	0.0E+00	4.4E-07	0.0E+00	2.3E-07	1.08E-06	1	2.41E-04
offsite	592114.99	4141464.85	0.62988	0.27108	0.15596	0.91933	0.001148019	Residential	3.97E-07	1.20E-06	6.95E-07	6.30E-07	2.87E-07	2.56E-07	1.6E-08	3.8E-07	0.0E+00	4.2E-07	0.0E+00	2.2E-07	1.03E-06	1	2.30E-04
offsite	592214.99	4141464.85	0.53861	0.2448	0.14596	0.88739	0.001086916	Residential	3.76E-07	1.14E-06	6.58E-07	5.96E-07	2.72E-07	2.43E-07	1.5E-08	3.6E-07	0.0E+00	3.9E-07	0.0E+00	2.1E-07	9.71E-07	1	2.17E-04
offsite	592314.99	4141464.85	0.44764	0.22292	0.13718	0.84919	0.00102085	Residential	3.53E-07	1.07E-06	6.18E-07	5.60E-07	2.55E-07	2.28E-07	1.4E-08	3.4E-07	0.0E+00	3.7E-07	0.0E+00	1.9E-07	9.12E-07	1	2.04E-04
offsite	592414.99	4141464.85	0.37294	0.20445	0.12934	0.79432	0.000943201	Residential	3.27E-07	9.86E-07	5.71E-07	5.17E-07	2.36E-07	2.11E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.43E-07	1	1.89E-04
Phase6	591214.99	4141564.85	0.57827	1.16519	0.31875	1.64789	0.002062454	Daycare	1.70E-07	5.65E-07	3.01E-07	2.45E-07	1.13E-07	1.08E-07	6.7E-09	1.8E-07	5.7E-08	0.0E+00	0.0E+00	0.0E+00	2.41E-07	0	4.12E-04
Phase6	591314.99	4141564.85	0.59799	0.88841	0.28872	1.55366	0.001914496	Daycare	1.58E-07	5.25E-07	2.80E-07	2.27E-07	1.05E-07	1.01E-07	6.2E-09	1.6E-07	5.3E-08	0.0E+00	0.0E+00	0.0E+00	2.24E-07	0	3.83E-04
path	591414.99	4141564.85	0.60732	0.70773	0.27123	1.49882	0.001824124	Parks/Paths	0.00E+00	6.50E-08	3.47E-08	2.82E-08	1.30E-08	1.25E-08	0.0E+00	2.0E-08	1.1E-08	0.0E+00	1.2E-09	0.0E+00	3.31E-08	0	3.65E-04
path	591514.99	4141564.85	0.61934	0.5753	0.24262	1.44634	0.001743284	Parks/Paths	0.00E+00	6.21E-08	3.31E-08	2.69E-08	1.24E-08	1.19E-08	0.0E+00	2.0E-08	1.1E-08	0.0E+00	1.2E-09	0.0E+00	3.16E-08	0	3.49E-04
offsite	591614.99	4141564.85	0.62621	0.4803	0.21897	1.40156	0.001677094	Residential	5.81E-07	1.75E-06	1.01E-06	9.20E-07	4.20E-07	3.75E-07	2.3E-08	5.5E-07	0.0E+00	6.1E-07	0.0E+00	3.2E-07	1.50E-06	1	3.35E-04
offsite	591714.99	4141564.85	0.62611	0.40997	0.19973	1.36215	0.00162025	Residential	5.61E-07	1.69E-06	9.80E-07	8.89E-07	4.06E-07	3.62E-07	2.2E-08	5.3E-07	0.0E+00	5.9E-07	0.0E+00	3.1E-07	1.45E-06	1	3.24E-04
offsite	591814.99	4141564.85	0.61439	0.3559	0.1836	1.32123	0.001562929	Residential	5.41E-07	1.63E-06	9.46E-07	8.57E-07	3.91E-07	3.49E-07	2.1E-08	5.1E-07	0.0E+00	5.7E-07	0.0E+00	3.0E-07	1.40E-06	1	3.13E-04
offsite	591914.99	4141564.85	0.58721	0.31319	0.16981	1.28259	0.001506809	Residential	5.22E-07	1.57E-06	9.12E-07	8.26E-07	3.77E-07	3.37E-07	2.0E-08	4.9E-07	0.0E+00	5.5E-07	0.0E+00	2.9E-07	1.35E-06	1	3.01E-04
offsite	592014.99	4141564.85	0.54334	0.27891	0.15798	1.24104	0.00144583	Residential	5.00E-07	1.51E-06	8.75E-07	7.93E-07	3.62E-07	3.23E-07	2.0E-08	4.7E-07	0.0E+00	5.2E-07	0.0E+00	2.7E-07	1.29E-06	1	2.89E-04
offsite	592114.99	4141564.85	0.48553	0.25101	0.14776	1.19206	0.001375735	Residential	4.76E-07	1.44E-06	8.32E-07	7.55E-07	3.44E-07	3.07E-07	1.9E-08	4.5E-07	0.0E+00	5.0E-07	0.0E+00	2.6E-07	1.23E-06	1	2.75E-04
offsite	592214.99	4141564.85	0.42137	0.22786	0.13875	1.14124	0.001303473	Residential	4.51E-07	1.36E-06	7.89E-07	7.15E-07	3.26E-07	2.91E-07	1.8E-08	4.3E-07	0.0E+00	4.7E-07	0.0E+00	2.5E-07	1.16E-06	1	2.61E-04
offsite	592314.99	4141564.85	0.36115	0.20876	0.13108	1.07543	0.001218496	Residential	4.22E-07	1.27E-06	7.37E-07	6.68E-07	3.05E-07	2.72E-07	1.7E-08	4.0E-07	0.0E+00	4.4E-07	0.0E+00	2.3E-07	1.09E-06	1	2.44E-04
path	591414.99	4141664.85	0.53541	0.61467	0.24655	2.28387	0.002556354	Parks/Paths	0.00E+00	9.10E-08	4.86E-08	3.95E-08	1.82E-08	1.75E-08	0.0E+00	2.9E-08	1.6E-08	0.0E+00	1.7E-09	0.0E+00	4.64E-08	0	5.11E-04
offsite	591514.99	4141664.85	0.5376	0.50627	0.22254	2.19125	0.002439253	Residential	8.44E-07	2.55E-06	1.48E-06	1.34E-06	6.10E-07	5.45E-07	3.3E-08	8.0E-07	0.0E+00	8.8E-07	0.0E+00	4.6E-07	2.18E-06	2	4.88E-04
offsite	591614.99	4141664.85	0.53452	0.42778	0.2026	2.10526	0.002334073	Residential	8.08E-07	2.44E-06	1.41E-06	1.28E-06	5.84E-07	5.21E-07	3.2E-08	7.7E-07	0.0E+00	8.4E-07	0.0E+00	4.4E-07	2.09E-06	2	4.67E-04
offsite	591714.99	4141664.85	0.52484	0.369	0.18613	2.02579	0.002238292	Residential	7.75E-07	2.34E-06	1.35E-06	1.23E-06	5.60E-07	5.00E-07	3.0E-08	7.4E-07	0.0E+00	8.1E-07	0.0E+00	4.2E-07	2.00E-06	2	4.48E-04
offsite	591814.99	4141664.85	0.50587	0.32322	0.17209	1.94166	0.002138715	Residential	7.40E-07	2.24E-06	1.29E-06	1.17E-06	5.35E-07	4.78E-07	2.9E-08	7.0E-07	0.0E+00	7.7E-07	0.0E+00	4.1E-07	1.91E-06	2	4.28E-04
offsite	591914.99	4141664.85	0.47659	0.28676	0.16001	1.87254	0.002053656	Residential	7.11E-07	2.15E-06	1.24E-06	1.13E-06	5.14E-07	4.59E-07	2.8E-08	6.7E-07	0.0E+00	7.4E-07	0.0E+00	3.9E-07	1.84E-06	2	4.11E-04
offsite	592014.99	4141664.85	0.43778	0.25726	0.14957	1.79155	0.001956299	Residential	6.77E-07	2.04E-06	1.18E-06	1.07E-06	4.90E-07	4.37E-07	2.7E-08	6.4E-07	0.0E+00	7.1E-07	0.0E+00	3.7E-07	1.75E-06	2	3.91E-04
offsite	592114.99	4141664.85	0.39242	0.23296	0.1404	1.69403	0.001842356	Residential	6.38E-07	1.93E-06	1.11E-06	1.01E-06	4.61E-07	4.12E-07	2.5E-08	6.1E-07	0.0E+00	6.7E-07	0.0E+00	3.5E-07	1.65E-06	2	3.68E-04
offsite	592214.99	4141664.85	0.34576	0.21273	0.13234	1.6061	0.001738584	Residential	6.02E-07	1.82E-06	1.05E-06	9.54E-07	4.35E-07	3.88E-07	2.4E-08	5.7E-07	0.0E+00	6.3E-07	0.0E+00	3.3E-07	1.55E-06	2	3.48E-04
path	591314.99	4141764.85	0.47356	0.65291	0.24907	5.44263	0.005660978	Parks/Paths	0.00E+00	2.02E-07	1.08E-07	8.74E-08	4.03E-08	3.86E-08	0.0E+00	6.3E-08	3.5E-08	0.0E+00	3.8E-09	0.0E+00	1.03E-07	0	1.13E-03
offsite	591414.99	4141764.85	0.47333	0.53016	0.22519	5.02672	0.005222097	Residential	1.81E-06	5.46E-06	3.16E-06	2.86E-06	1.31E-06	1.17E-06	7.1E-08	1.7E-06	0.0E+00	1.9E-06	0.0E+00	9.9E-07	4.67E-06	5	1.04E-03
offsite	591514.99	4141764.85	0.4688	0.44419	0.20485	4.57176	0.004751557	Residential	1.64E-06	4.97E-06	2.88E-06	2.61E-06	1.19E-06	1.06E-06	6.5E-08	1.6E-06	0.0E+00	1.7E-06	0.0E+00	9.0E-07	4.25E-06	4	9.50E-04
offsite	591614.99	4141764.85	0.46018	0.38078	0.18812	4.24575	0.004412215	Residential	1.53E-06	4.61E-06	2.67E-06	2.42E-06	1.10E-06	9.86E-07	6.0E-08	1.4E-06	0.0E+00	1.6E-06	0.0E+00	8.4E-07	3.94E-06	4	8.82E-04
offsite	591714.99	4141764.85	0.44588	0.33224	0.17399	3.95624	0.004110901	Residential	1.42E-06	4.30E-06	2.49E-06	2.25E-06	1.03E-06	9.18E-07	5.6E-08	1.4E-06	0.0E+00	1.5E-06	0.0E+00	7.8E-07	3.67E-06	4	8.22E-04
offsite	591814.99	4141764.85	0.42464	0.29372	0.16165	3.68341	0.003826665	Residential	1.32E-06	4.00E-06	2.32E-06	2.10E-06	9.58E-07	8.55E-07	5.2E-08	1.3E-06	0.0E+00	1.4E-06	0.0E+00	7.3E-07	3.42E-06	3	7.65E-04
offsite	591914.99	4141764.85	0.39716	0.26294	0.15114	3.47562	0.003606893	Residential	1.25E-06	3.77E-06	2.18E-06	1.98E-06	9.03E-07	8.06E-07	4.9E-08	1.2E-06	0.0E+00	1.3E-06	0.0E+00	6.8E-07	3.22E-06	3	7.21E-04
offsite	592014.99	4141764.85	0.36422	0.23764	0.14187	3.1915	0.003311936	Residential	1.15E-06	3.46E-06	2.00E-06	1.82E-06	8.29E-07	7.40E-07	4.5E-08	1.1E-06	0.0E+00	1.2E-06	0.0E+00	6.3E-07	2.96E-06	3	6.62E-04
offsite	592114.99	4141764.85	0.32852	0.21663	0.13369	2.93711	0.003046672	Residential	1.05E-06	3.18E-06	1.84E-06	1.67E-06	7.63E-07	6.81E-07	4.1E-08	1.0E-06	0.0E+00	1.1E-06	0.0E+00	5.8E-07	2.72E-06	3	6.09E-04
offsite	590914.99	4141964.85	0.38994	1.38121	0.30994	2.67044	0.003063001	Residential	1.06E-06	3.20E-06	1.85E-06	1.68E-06	7.67E-07	6.84E-07	4.2E-08	1.0E-06	0.0E+00	1.1E-06	0.0E+00	5.8E-07	2.74E-06	3	6.13E-04
path	591214.99	4141964.85	0.38632	0.56095	0.2255	3.91723	0.004113841	Parks/Paths	0.00E+00	1.47E-07	7.81E-08	6.35E-08	2.93E-08	2.81E-08	0.0E+00	4.6E-08	2.6E-08	0.0E+00	2.8E-09	0.0E+00	7.46E-08	0	8.23E-04
path	591314.99	4141964.85	0.3819	0.46555	0.20648	4.17259	0.004341604	Parks/Paths	0.00E+00	1.55E-07	8.25E-08	6.70E-08	3.09E-08	2.96E-08	0.0E+00	4.9E-08	2.7E-08	0.0E+00	2.9E-09	0.0E+00	7.87E-08	0	8.68E-04
offsite	590814.99	4142064.85	0.36178	1.35808	0.30615	1.7833	0.002176872	Residential	7.54E-07	2.28E-06	1.32E-06	1.19E-06	5.45E-07	4.86E-07	3.0E-08	7.2E-07	0.0E+00	7.9E-07	0.0E+00	4.1E-07	1.95E-06	2	4.35E-04
offsite	590914.99	4142064.85	0.3613	0.9324	0.27351	1.9813	0.002282862	Residential	7.90E-07	2.39E-06	1.38E-06	1.25E-06	5.71E-07	5.10E-07	3.1E-08	7.5E-07	0.0E+00	8.3E-07	0.0E+00	4.3E-07	2.04E-06	2	4.57E-04
offsite	591014.99	4142064.85	0.35964	0.70185	0.24679	2.17745	0.002425361	Residential	8.40E-07	2.54E-06	1.47E-06	1.33E-06	6.07E-07	5.42E-07	3.3E-08	8.0E-07	0.0E+00	8.8E-07	0.0E+00	4.6E-07	2.17E-06	2	4.85E-04
path	591114.99	4142064.85	0.35626	0.56144	0.22436	2.33172	0.002544395	Parks/Paths	0.00E+00	9.06E-08	4.83E-08	3.93E-08	1.81E-08	1.74E-08	0.0E+00	2.8E-08	1.6E-08	0.0E+00	1.7E-09	0.0E+00	4.61E-08	0	5.09E-04
path	591214.99	4142064.85	0.35158	0.46697	0.20562	2.44309	0.00263049	Parks/Paths	0.00E+00	9.37E-08	5.00E-08	4.06E-08	1.87E-08	1.80E-08	0.0E+00	2.9E-08	1.6E-08	0.0E+00	1.8E-09	0.0E+00	4.77E-08	0	5.26E-04
offsite	590714.99	4142164.85	0.33841	1.17124	0.30201	1.34291	0.001700718	Residential	5.89E-07	1.78E-06	1.03E-06	9.33E-07	4.26E-07	3.80E-07	2.3E-08	5.6E-07	0.0E+00	6.2E-07	0.0E+00	3.2E-07	1.52E-06	2	3.40E-04
offsite	590814.99	4142164.85	0.33729	0.87484	0.27057	1.45247	0.001744365	Residential	6.04E-07	1.82E-06	1.06E-06	9.57E-07	4.37E-07	3.90E-07	2.4E-08	5.7E-07	0.0E+00	6.3E-07	0.0E+00	3.3E-07	1.56E-06	2	3.49E-04
path	590914.99	4142164.85	0.33536	0.67932	0.24475	1.56154	0.001807907	Parks/Paths	0.00E+00	6.44E-08	3.43E-08	2.79E-08	1.29E-08	1.23E-08	0.0E+00	2.0E-08	1.1E-08	0.0E+00	1.2E-09	0.0E+00	3.28E-08	0	3.62E-04
path	591014.99	4142164.85	0.33174	0.551	0.22298	1.65416	0.001868612	Parks/Paths	0.00E+00	6.66E-08	3.55E-08	2.88E-08	1.33E-08	1.28E-08	0.0E+00	2.1E-08	1.2E-08	0.0E+00	1.3E-09	0.0E+00	3.39E-08	0	3.74E-04
path	591114.99	4142164.85	0.32716	0.46136	0.20464	1.7279	0.001918677	Parks/Paths	0.00E+00	6.83E-08	3.64E-08	2.96E-08	1.37E-08	1.31E-08	0.0E+00	2.1E-08	1.2E-08	0.0E+00	1.3E-09	0.0E+00	3.48E-08	0	3.84E-04
path	590414.99	4142264.85	0.3178	0.96269	0.37455	0.93595	0.001272297	Parks/Paths	0.00E+00	4.53E-08	2.42E-08	1.96E-08	9.06E-09	8.69E-09	0.0E+00	1.4E-08	8.0E-09	0.0E+00	8.5E-10	0.0E+00	2.31E-08	0	2.54E-04
path	590514.99	4142264.85	0.3181	1.03964	0.33348	1.00296	0.001343274	Parks/Paths	0.00E+00	4.78E-08	2.55E-08	2.07E-08	9.57E-09	9.17E-09	0.0E+00	1.5E-08	8.4E-09	0.0E+00	9.0E-10	0.0E+00	2.44E-08	0	2.69E-04
path	590614.99	4142264.85	0.31781	0.95892	0.29731	1.07278	0.001387975	Parks/Paths	0.00E+00	4.94E-08	2.64E-08	2.14E-08	9.89E-09	9.47E-09	0.0E+00	1.6E-08	8.7E-09	0.0E+00	9.3E-10	0.0E+00	2.52E-08	0	2.78E-04
path	590714.99	4142264.85	0.31648	0.7875	0.26711	1.14326	0.0014172	Parks/Paths	0.00E+00	5.05E-08	2.69E-08	2.19E-08	1.01E-08	9.67E-09	0.0E+00	1.6E-08	8.9E-09	0.0E+00	9.5E-10	0.0E+00	2.57E-08	0	2.83E-04
path	590814.99	4142264.85	0.31438	0.64198	0.2422	1.21224	0.001450959	Parks/Paths	0.00E+00	5.17E-08	2.76E-08	2.24E-08	1.03E-08	9.90E-09	0.0E+00	1.6E-08	9.1E-09	0.0E+00	9.7E-10	0.0E+00	2.63E-08	0	2.90E-04
path	590914.99	4142264.85	0.31155	0.53248	0.22158	1.27614	0.001487426	Parks/Paths	0.00E+00	5.30E-08	2.83E-08	2.30E-08	1.06E-08	1.02E-08	0.0E+00	1.7E-08	9.3E-09	0.0E+00	1.0E-09	0.0E+00	2.70E-08	0	2.97E-04
path	591014.99	4142264.85	0.3074	0.45069	0.20382	1.32896	0.001518621	Parks/Paths	0.00E+00	5.41E-08	2.88E-08	2.34E-08	1.08E-08	1.04E-08	0.0E+00	1.7E-08	9.5E-09	0.0E+00	1.0E-09	0.0E+00	2.75E-08	0	3.04E-04
school	591514.99	4142364.85	0.2429	0.2257	0.13601	1.11022	0.001228355	School	0.00E+00	1.82E-07	9.69E-08	7.87E-08	3.63E-08	3.48E-08	0.0E+00	0.0E+00	3.2E-08	7.4E-09	0.0E+00	0.0E+00	3.94E-08	0	2.46E-04
park	591214.99	4142464.85	0.2513	0.26849	0.15287	0.93896	0.001073864	Parks/Paths	0.00E+00	3.82E-08	2.04E-08	1.66E-08	7.65E-09	7.33E-09	0.0E+00	1.2E-08	6.7E-09	0.0E+00	7.2E-10	0.0E+00	1.95E-08	0	2.15E-04
park	591314.99	4142464.85	0.24255	0.2446	0.14376	0.93118	0.001057342	Parks/Paths	0.00E+00	3.77E-08	2.01E-08	1.63E-08	7.53E-09	7.22E-09	0.0E+00	1.2E-08	6.6E-09	0.0E+00	7.1E-10	0.0E+00	1.92E-08	0	2.11E-04
school	591414.99	4142464.85	0.23359	0.2246	0.136	0.91495	0.001033507	School	0.00E+00	1.53E-07	8.15E-08	6.63E-08	3.06E-08	2.93E-08	0.0E+00	0.0E+00	2.7E-08	6.2E-09	0.0E+00	0.0E+00	3.32E-08	0	2.07E-04
path	590414.99	4142564.85	0.27149	0.5079	0.25672	0.69117	0.000905073	Parks/Paths	0.00E+00	3.22E-08	1.72E-08	1.40E-08	6.45E-09	6.18E-09	0.0E+00	1.0E-08	5.7E-09	0.0E+00	6.1E-10	0.0E+00	1.64E-08	0	1.81E-04
offsite	590914.99	4142564.85	0.25287	0.32319	0.17319	0.79032	0.000943088	Residential	3.26E-07	9.86E-07	5.71E-07	5.17E-07	2.36E-07	2.11E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.43E-07	1	1.89E-04
offsite	591014.99	4142564.85	0.24778	0.29208	0.16268	0.79753	0.000940514	Residential	3.26E-07	9.83E-07	5.69E-07	5.16E-07	2.35E-07	2.10E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.41E-07	1	1.88E-04
offsite	591114.99	4142564.85	0.24122	0.26531	0.15298	0.7976	0.000931569	Residential	3.22E-07	9.74E-07	5.64E-07	5.11E-07	2.33E-07	2.08E-07	1.3E-08	3.1E-07	0.0E+00	3.4E-07	0.0E+00	1.8E-07	8.33E-07	1	1.86E-04
park	591214.99	4142564.85	0.23304	0.242	0.14374	0.78962	0.000915068	Parks/Paths	0.00E+00	3.26E-08	1.74E-08	1.41E-08	6.52E-09	6.25E-09	0.0E+00	1.0E-08	5.7E-09	0.0E+00	6.1E-10	0.0E+00	1.66E-08	0	1.83E-04
park	591314.99	4142564.85	0.22503	0.22274	0.13596	0.77542	0.0008936	Parks/Paths	0.00E+00	3.18E-08	1.70E-08	1.38E-08	6.37E-09	6.10E-09	0.0E+00	1.0E-08	5.6E-09	0.0E+00	6.0E-10	0.0E+00	1.62E-08	0	1.79E-04
school	591414.99	4142564.85	0.21631	0.20601	0.12896	0.75252	0.000864058	School	0.00E+00	1.28E-07	6.82E-08	5.54E-08	2.56E-08	2.45E-08	0.0E+00	0.0E+00	2.2E-08	5.2E-09	0.0E+00	0.0E+00	2.77E-08	0	1.73E-04
path	590314.99	4142664.85	0.25944	0.44505	0.25161	0.60893	0.000807916	Parks/Paths	0.00E+00	2.88E-08	1.53E-08	1.25E-08	5.76E-09	5.52E-09	0.0E+00	9.0E-09	5.1E-09	0.0E+00	5.4E-10	0.0E+00	1.47E-08	0	1.62E-04
offsite	590514.99	4142664.85	0.25404	0.41007	0.21451	0.6475	0.000829088	Residential	2.87E-07	8.67E-07	5.02E-07	4.55E-07	2.07E-07	1.85E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.41E-07	1	1.66E-04
offsite	590614.99	4142664.85	0.25068	0.37983	0.19855	0.66356	0.000834522	Residential	2.89E-07	8.72E-07	5.05E-07	4.58E-07	2.09E-07	1.86E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.46E-07	1	1.67E-04
offsite	590714.99	4142664.85	0.24699	0.34707	0.1848	0.67681	0.000837152	Residential	2.90E-07	8.75E-07	5.07E-07	4.59E-07	2.10E-07	1.87E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.48E-07	1	1.67E-04
offsite	590814.99	4142664.85	0.24273	0.31547	0.17281	0.68629	0.000836571	Residential	2.90E-07	8.74E-07	5.06E-07	4.59E-07	2.09E-07	1.87E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.48E-07	1	1.67E-04
offsite	590914.99	4142664.85	0.23784	0.28696	0.16229	0.69129	0.000832362	Residential	2.88E-07	8.70E-07	5.04E-07	4.57E-07	2.08E-07	1.86E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.44E-07	1	1.66E-04
offsite	591014.99	4142664.85	0.23171	0.26156	0.1526	0.69051	0.000822948	Residential	2.85E-07	8.60E-07	4.98E-07	4.51E-07	2.06E-07	1.84E-07	1.1E-08	2.7E-07	0.0E+00	3.0E-07	0.0E+00	1.6E-07	7.35E-07	1	1.65E-04
park	591214.99	4142664.85	0.21754	0.22082	0.13608	0.67184	0.000789397	Parks/Paths	0.00E+00	2.81E-08	1.50E-08	1.22E-08	5.62E-09	5.39E-09	0.0E+00	8.8E-09	4.9E-09	0.0E+00	5.3E-10	0.0E+00	1.43E-08	0	1.58E-04
path	590314.99	4142764.85	0.24731	0.39154	0.22971	0.56168	0.000742991	Parks/Paths	0.00E+00	2.65E-08	1.41E-08	1.15E-08	5.29E-09	5.07E-09	0.0E+00	8.3E-09	4.7E-09	0.0E+00	5.0E-10	0.0E+00	1.35E-08	0	1.49E-04
offsite	590514.99	4142764.85	0.24083	0.35663	0.19765	0.58801	0.000753056	Residential	2.61E-07	7.87E-07	4.56E-07	4.13E-07	1.88E-07	1.68E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.73E-07	1	1.51E-04
offsite	590614.99	4142764.85	0.23728	0.33195	0.18406	0.59817	0.000754255	Residential	2.61E-07	7.88E-07	4.56E-07	4.14E-07	1.89E-07	1.69E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.74E-07	1	1.51E-04

Roadway HRA
Cumulative With Project

	AERMOD Output								Dose Inhallation						Risk Per Million (Residential 70-yr; school and park 9-yr; daycare 15-year)								
			Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				Concentration (AVERAGE CONC) [ug/m^3] -																
Discrete Receptor ID (Group Name)	X	Y					SCALED	Rec Type	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	**CHRONIC HAZARD QUOTIENT**
offsite	590714.99	4142764.85	0.23333	0.30603	0.17223	0.60541	0.000752664	Residential	2.61E-07	7.87E-07	4.55E-07	4.13E-07	1.88E-07	1.68E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.73E-07	1	1.51E-04
offsite	590814.99	4142764.85	0.22849	0.28069	0.16162	0.60864	0.000747307	Residential	2.59E-07	7.81E-07	4.52E-07	4.10E-07	1.87E-07	1.67E-07	1.0E-08	2.5E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.68E-07	1	1.49E-04
offsite	590914.99	4142764.85	0.2232	0.25764	0.15227	0.6079	0.000738665	Residential	2.56E-07	7.72E-07	4.47E-07	4.05E-07	1.85E-07	1.65E-07	1.0E-08	2.4E-07	0.0E+00	2.7E-07	0.0E+00	1.4E-07	6.60E-07	1	1.48E-04
offsite	591014.99	4142764.85	0.21717	0.23696	0.14378	0.60243	0.000725841	Residential	2.51E-07	7.59E-07	4.39E-07	3.98E-07	1.82E-07	1.62E-07	9.9E-09	2.4E-07	0.0E+00	2.6E-07	0.0E+00	1.4E-07	6.49E-07	1	1.45E-04
offsite	591114.99	4142764.85	0.21088	0.21906	0.13628	0.59243	0.000709257	Residential	2.46E-07	7.41E-07	4.29E-07	3.89E-07	1.78E-07	1.58E-07	9.6E-09	2.3E-07	0.0E+00	2.6E-07	0.0E+00	1.3E-07	6.34E-07	1	1.42E-04
park	591239.54	4140294.63	8.68408	1.04294	0.6985	0.17813	0.002657139	Parks/Paths	0.00E+00	9.46E-08	5.05E-08	4.10E-08	1.89E-08	1.81E-08	0.0E+00	3.0E-08	1.7E-08	0.0E+00	1.8E-09	0.0E+00	4.82E-08	0	5.31E-04
park	591338.72	4140348.36	8.10935	1.70094	0.60488	0.1989	0.002640707	Parks/Paths	0.00E+00	9.41E-08	5.02E-08	4.08E-08	1.88E-08	1.80E-08	0.0E+00	3.0E-08	1.7E-08	0.0E+00	1.8E-09	0.0E+00	4.79E-08	0	5.28E-04
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.001281898	Daycare	1.06E-07	3.51E-07	1.87E-07	1.52E-07	7.02E-08	6.73E-08	4.2E-09	1.1E-07	3.5E-08	0.0E+00	0.0E+00	0.0E+00	1.50E-07	0	2.56E-04
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.001444859	Daycare	1.19E-07	3.96E-07	2.11E-07	1.72E-07	7.92E-08	7.59E-08	4.7E-09	1.2E-07	4.0E-08	0.0E+00	0.0E+00	0.0E+00	1.69E-07	0	4.82E-04
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.001840417	Daycare	1.52E-07	5.04E-07	2.69E-07	2.18E-07	1.01E-07	9.66E-08	6.0E-09	1.6E-07	5.1E-08	0.0E+00	0.0E+00	0.0E+00	2.15E-07	0	6.13E-04
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.003336166	Daycare	2.75E-07	9.14E-07	4.87E-07	3.96E-07	1.83E-07	1.75E-07	1.1E-08	2.9E-07	9.2E-08	0.0E+00	0.0E+00	0.0E+00	3.90E-07	0	1.11E-03
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.001117933	Daycare	9.21E-08	3.06E-07	1.63E-07	1.33E-07	6.13E-08	5.87E-08	3.6E-09	9.6E-08	3.1E-08	0.0E+00	0.0E+00	0.0E+00	1.31E-07	0	3.73E-04
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.001119303	Daycare	9.23E-08	3.07E-07	1.64E-07	1.33E-07	6.13E-08	5.88E-08	3.6E-09	9.6E-08	3.1E-08	0.0E+00	0.0E+00	0.0E+00	1.31E-07	0	3.73E-04
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.001180801	Daycare	9.73E-08	3.24E-07	1.73E-07	1.40E-07	6.47E-08	6.20E-08	3.8E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.38E-07	0	3.94E-04
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.00133306	Daycare	1.10E-07	3.65E-07	1.95E-07	1.58E-07	7.30E-08	7.00E-08	4.3E-09	1.1E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.56E-07	0	4.44E-04
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.001610637	Daycare	1.33E-07	4.41E-07	2.35E-07	1.91E-07	8.83E-08	8.46E-08	5.2E-09	1.4E-07	4.4E-08	0.0E+00	0.0E+00	0.0E+00	1.88E-07	0	5.37E-04
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.002236514	Daycare	1.84E-07	6.13E-07	3.27E-07	2.66E-07	1.23E-07	1.17E-07	7.2E-09	1.9E-07	6.2E-08	0.0E+00	0.0E+00	0.0E+00	2.61E-07	0	7.45E-04
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.001476793	Daycare	1.22E-07	4.05E-07	2.16E-07	1.75E-07	8.09E-08	7.75E-08	4.8E-09	1.3E-07	4.1E-08	0.0E+00	0.0E+00	0.0E+00	1.73E-07	0	4.92E-04
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.001169138	Daycare	9.64E-08	3.20E-07	1.71E-07	1.39E-07	6.41E-08	6.14E-08	3.8E-09	1.0E-07	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.37E-07	0	3.90E-04
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.001075811	Daycare	8.87E-08	2.95E-07	1.57E-07	1.28E-07	5.89E-08	5.65E-08	3.5E-09	9.3E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.26E-07	0	3.59E-04
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.001061653	Daycare	8.75E-08	2.91E-07	1.55E-07	1.26E-07	5.82E-08	5.57E-08	3.4E-09	9.1E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.24E-07	0	3.54E-04
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.001092227	Daycare	9.00E-08	2.99E-07	1.60E-07	1.30E-07	5.98E-08	5.74E-08	3.5E-09	9.4E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.28E-07	0	3.64E-04
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.001187101	Daycare	9.78E-08	3.25E-07	1.73E-07	1.41E-07	6.50E-08	6.23E-08	3.8E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.39E-07	0	3.96E-04
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.001362098	Daycare	1.12E-07	3.73E-07	1.99E-07	1.62E-07	7.46E-08	7.15E-08	4.4E-09	1.2E-07	3.8E-08	0.0E+00	0.0E+00	0.0E+00	1.59E-07	0	4.54E-04
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.001784909	Daycare	1.47E-07	4.89E-07	2.61E-07	2.12E-07	9.78E-08	9.37E-08	5.8E-09	1.5E-07	4.9E-08	0.0E+00	0.0E+00	0.0E+00	2.09E-07	0	5.95E-04
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.003294106	Daycare	2.72E-07	9.02E-07	4.81E-07	3.91E-07	1.80E-07	1.73E-07	1.1E-08	2.8E-07	9.1E-08	0.0E+00	0.0E+00	0.0E+00	3.85E-07	0	1.10E-03
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.001472695	Daycare	1.21E-07	4.03E-07	2.15E-07	1.75E-07	8.07E-08	7.73E-08	4.8E-09	1.3E-07	4.1E-08	0.0E+00	0.0E+00	0.0E+00	1.72E-07	0	4.91E-04
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.001169366	Daycare	9.64E-08	3.20E-07	1.71E-07	1.39E-07	6.41E-08	6.14E-08	3.8E-09	1.0E-07	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.37E-07	0	3.90E-04
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.001077011	Daycare	8.88E-08	2.95E-07	1.57E-07	1.28E-07	5.90E-08	5.66E-08	3.5E-09	9.3E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.26E-07	0	3.59E-04
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.001053928	Daycare	8.69E-08	2.89E-07	1.54E-07	1.25E-07	5.77E-08	5.53E-08	3.4E-09	9.1E-08	2.9E-08	0.0E+00	0.0E+00	0.0E+00	1.23E-07	0	3.51E-04
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.001077866	Daycare	8.88E-08	2.95E-07	1.57E-07	1.28E-07	5.91E-08	5.66E-08	3.5E-09	9.3E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.26E-07	0	3.59E-04
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.001164409	Daycare	9.60E-08	3.19E-07	1.70E-07	1.38E-07	6.38E-08	6.11E-08	3.8E-09	1.0E-07	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.36E-07	0	3.88E-04
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.001358247	Daycare	1.12E-07	3.72E-07	1.98E-07	1.61E-07	7.44E-08	7.13E-08	4.4E-09	1.2E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.59E-07	0	4.53E-04
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.003347329	Daycare	2.76E-07	9.17E-07	4.89E-07	3.97E-07	1.83E-07	1.76E-07	1.1E-08	2.9E-07	9.2E-08	0.0E+00	0.0E+00	0.0E+00	3.91E-07	0	1.12E-03
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.001507472	Daycare	1.24E-07	4.13E-07	2.20E-07	1.79E-07	8.26E-08	7.92E-08	4.9E-09	1.3E-07	4.2E-08	0.0E+00	0.0E+00	0.0E+00	1.76E-07	0	5.02E-04
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.001206611	Daycare	9.94E-08	3.31E-07	1.76E-07	1.43E-07	6.61E-08	6.34E-08	3.9E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.41E-07	0	4.02E-04
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.001108243	Daycare	9.13E-08	3.04E-07	1.62E-07	1.32E-07	6.07E-08	5.82E-08	3.6E-09	9.5E-08	3.1E-08	0.0E+00	0.0E+00	0.0E+00	1.30E-07	0	3.69E-04
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.001084983	Daycare	8.94E-08	2.97E-07	1.59E-07	1.29E-07	5.95E-08	5.70E-08	3.5E-09	9.3E-08	3.0E-08	0.0E+00	0.0E+00	0.0E+00	1.27E-07	0	3.62E-04
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.001107915	Daycare	9.13E-08	3.04E-07	1.62E-07	1.32E-07	6.07E-08	5.82E-08	3.6E-09	9.5E-08	3.1E-08	0.0E+00	0.0E+00	0.0E+00	1.30E-07	0	3.69E-04
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.001214117	Daycare	1.00E-07	3.33E-07	1.77E-07	1.44E-07	6.65E-08	6.38E-08	3.9E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.42E-07	0	4.05E-04
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.001548082	Daycare	1.28E-07	4.24E-07	2.26E-07	1.84E-07	8.48E-08	8.13E-08	5.0E-09	1.3E-07	4.3E-08	0.0E+00	0.0E+00	0.0E+00	1.81E-07	0	5.16E-04
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.001173271	Daycare	9.67E-08	3.21E-07	1.71E-07	1.39E-07	6.43E-08	6.16E-08	3.8E-09	1.0E-07	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.37E-07	0	3.91E-04
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.001149264	Daycare	9.47E-08	3.15E-07	1.68E-07	1.36E-07	6.30E-08	6.03E-08	3.7E-09	9.9E-08	3.2E-08	0.0E+00	0.0E+00	0.0E+00	1.34E-07	0	3.83E-04
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.001187362	Daycare	9.79E-08	3.25E-07	1.73E-07	1.41E-07	6.51E-08	6.24E-08	3.8E-09	1.0E-07	3.3E-08	0.0E+00	0.0E+00	0.0E+00	1.39E-07	0	3.96E-04
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.001348259	Daycare	1.11E-07	3.69E-07	1.97E-07	1.60E-07	7.39E-08	7.08E-08	4.4E-09	1.2E-07	3.7E-08	0.0E+00	0.0E+00	0.0E+00	1.58E-07	0	4.49E-04
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.001314702	Daycare	1.08E-07	3.60E-07	1.92E-07	1.56E-07	7.20E-08	6.90E-08	4.3E-09	1.1E-07	3.6E-08	0.0E+00	0.0E+00	0.0E+00	1.54E-07	0	4.38E-04
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.001659364	Daycare	1.37E-07	4.55E-07	2.42E-07	1.97E-07	9.09E-08	8.71E-08	5.4E-09	1.4E-07	4.6E-08	0.0E+00	0.0E+00	0.0E+00	1.94E-07	0	5.53E-04

Roadway HRA
Cumulative With Project

City Place Roadway HRA - PM2.5

Truck g/s	Annual Average Scaling Factor
Tasman	0.03674
Lafayette	0.02875
Great Am	0.03591
SR237	0.11943

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
			Tasman	Lafayette	Great Am	SR237	
offsite	589514.99	4139264.85	0.05088	0.05261	0.06785	0.02777	0.009134531
offsite	589614.99	4139264.85	0.05251	0.05453	0.07232	0.02872	0.009523585
offsite	591314.99	4139264.85	0.2687	0.20607	0.38608	0.06837	0.037824751
offsite	591414.99	4139264.85	0.27804	0.24712	0.36442	0.07198	0.039001127
offsite	591514.99	4139264.85	0.28462	0.30485	0.34343	0.07557	0.040577254
offsite	591614.99	4139264.85	0.28878	0.38998	0.32349	0.07909	0.042881445
offsite	591714.99	4139264.85	0.29081	0.52306	0.30474	0.08259	0.046526067
offsite	591814.99	4139264.85	0.29112	0.75006	0.28726	0.08602	0.052844503
offsite	591914.99	4139264.85	0.29007	1.19573	0.27098	0.08937	0.065432233
offsite	592014.99	4139264.85	0.2879	2.39111	0.25587	0.09256	0.099552302
offsite	592214.99	4139264.85	0.28099	4.09509	0.22881	0.09839	0.148004189
offsite	592314.99	4139264.85	0.27645	1.88998	0.21675	0.10098	0.084327255
offsite	592414.99	4139264.85	0.2713	1.20418	0.20553	0.1034	0.064310667
offsite	592514.99	4139264.85	0.2656	0.87457	0.19506	0.10569	0.054524042
offsite	592614.99	4139264.85	0.25938	0.68363	0.18535	0.10776	0.048705432
offsite	592714.99	4139264.85	0.2527	0.5596	0.17633	0.10956	0.0447858
offsite	592814.99	4139264.85	0.24562	0.47236	0.1679	0.11113	0.041902731
offsite	589514.99	4139364.85	0.05643	0.05669	0.07674	0.02857	0.0098705
offsite	589614.99	4139364.85	0.05833	0.05891	0.08234	0.0296	0.01032823
offsite	591314.99	4139364.85	0.31997	0.25192	0.42834	0.07358	0.043166059
offsite	591414.99	4139364.85	0.32752	0.30726	0.39787	0.07747	0.044404498
offsite	591514.99	4139364.85	0.33166	0.38617	0.37007	0.08134	0.046288688
offsite	591614.99	4139364.85	0.33292	0.50452	0.34488	0.0851	0.049281382
offsite	591714.99	4139364.85	0.33191	0.69354	0.322	0.0888	0.0542979
offsite	591814.99	4139364.85	0.32913	1.02971	0.30126	0.09239	0.063542968
offsite	591914.99	4139364.85	0.32514	1.7639	0.28236	0.09588	0.084238892
offsite	592014.99	4139364.85	0.32024	4.79237	0.26509	0.09921	0.170890386
offsite	592114.99	4139364.85	0.31461	8.53549	0.24931	0.10233	0.278086259
offsite	592214.99	4139364.85	0.30837	2.58775	0.23485	0.10521	0.106712614
offsite	592314.99	4139364.85	0.3016	1.50271	0.22162	0.10782	0.075110781
offsite	592414.99	4139364.85	0.29436	1.04274	0.20942	0.11025	0.061474947
offsite	592514.99	4139364.85	0.28666	0.79215	0.19818	0.11247	0.053850283
offsite	592614.99	4139364.85	0.27854	0.63556	0.18778	0.11449	0.048918521
offsite	592714.99	4139364.85	0.27005	0.52875	0.17815	0.11625	0.045400706
offsite	592814.99	4139364.85	0.26122	0.45129	0.16921	0.1178	0.042713772
offsite	589514.99	4139464.85	0.06327	0.06126	0.08849	0.02945	0.010780207
offsite	589614.99	4139464.85	0.06564	0.06384	0.09592	0.03054	0.011338437
offsite	591314.99	4139464.85	0.38475	0.30664	0.46849	0.07954	0.049272441
offsite	591414.99	4139464.85	0.38848	0.37931	0.42904	0.08372	0.050580843
offsite	591514.99	4139464.85	0.38825	0.48412	0.39457	0.08784	0.052839316
offsite	591614.99	4139464.85	0.385	0.64356	0.36427	0.09186	0.056695009
offsite	591714.99	4139464.85	0.3796	0.9065	0.33742	0.09578	0.063558802
offsite	591814.99	4139464.85	0.37271	1.40965	0.31354	0.09958	0.077365074
offsite	591914.99	4139464.85	0.36484	2.79447	0.2922	0.10319	0.116547664
offsite	592114.99	4139464.85	0.34764	3.82616	0.25565	0.10977	0.145045173
offsite	592214.99	4139464.85	0.33854	1.91145	0.23984	0.11273	0.089457847
offsite	592314.99	4139464.85	0.32915	1.25168	0.22553	0.11535	0.069946652
offsite	592414.99	4139464.85	0.31945	0.92049	0.21244	0.11777	0.059889098
offsite	592514.99	4139464.85	0.30943	0.72293	0.20043	0.11999	0.053675912
offsite	592614.99	4139464.85	0.29909	0.59192	0.1894	0.12196	0.049369301
offsite	592714.99	4139464.85	0.28852	0.49921	0.1793	0.12357	0.046145589

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	592814.99	4139464.85	0.27768	0.43017	0.16995	0.12496	0.043593017
offsite	589514.99	4139564.85	0.07174	0.06637	0.10402	0.03044	0.011914201
offsite	589614.99	4139564.85	0.07492	0.06936	0.1144	0.0316	0.012628274
offsite	591314.99	4139564.85	0.46686	0.37064	0.5048	0.0863	0.05623986
offsite	591414.99	4139564.85	0.4636	0.46362	0.45689	0.09085	0.057615658
offsite	591514.99	4139564.85	0.45636	0.59963	0.41622	0.09526	0.060325437
offsite	591614.99	4139564.85	0.4464	0.81202	0.38125	0.09953	0.065318833
offsite	591714.99	4139564.85	0.43476	1.18349	0.35086	0.10363	0.074967475
offsite	591814.99	4139564.85	0.42238	2.00305	0.32415	0.10758	0.09758362
offsite	591914.99	4139564.85	0.40971	5.86446	0.30053	0.11134	0.20771602
offsite	592014.99	4139564.85	0.39704	7.00855	0.27953	0.11485	0.239802707
offsite	592114.99	4139564.85	0.38448	2.51944	0.26072	0.11807	0.110009906
offsite	592214.99	4139564.85	0.372	1.52225	0.24378	0.12101	0.080629751
offsite	592314.99	4139564.85	0.35952	1.07498	0.22847	0.12364	0.067078679
offsite	592414.99	4139564.85	0.34691	0.82411	0.21455	0.12605	0.059192036
offsite	592514.99	4139564.85	0.33418	0.66382	0.20191	0.12816	0.053914867
offsite	592614.99	4139564.85	0.32129	0.5526	0.19037	0.13	0.050049606
offsite	592714.99	4139564.85	0.30824	0.47134	0.1798	0.13152	0.047036292
offsite	592814.99	4139564.85	0.29508	0.40952	0.17009	0.13271	0.044569219
offsite	589514.99	4139664.85	0.08235	0.07202	0.12445	0.03153	0.013330247
offsite	589614.99	4139664.85	0.08683	0.07548	0.13936	0.03277	0.014277825
offsite	591214.99	4139664.85	0.58037	0.36139	0.60406	0.08895	0.064025056
offsite	591314.99	4139664.85	0.57137	0.44395	0.53614	0.09409	0.064242319
offsite	591414.99	4139664.85	0.55629	0.56124	0.48089	0.099	0.065662085
offsite	591514.99	4139664.85	0.53851	0.73625	0.4347	0.10375	0.068948094
offsite	591614.99	4139664.85	0.51888	1.02267	0.39565	0.10825	0.075595201
offsite	591714.99	4139664.85	0.49898	1.57465	0.36206	0.11254	0.090036971
offsite	591814.99	4139664.85	0.47949	3.18106	0.33286	0.11662	0.134936194
offsite	592014.99	4139664.85	0.44299	3.56393	0.28467	0.12402	0.143754129
offsite	592114.99	4139664.85	0.42593	1.89014	0.26454	0.12729	0.094681558
offsite	592214.99	4139664.85	0.40944	1.26725	0.24655	0.1302	0.075872133
offsite	592314.99	4139664.85	0.39329	0.94302	0.23039	0.13278	0.065686553
offsite	592414.99	4139664.85	0.37724	0.74557	0.21578	0.13511	0.059174772
offsite	592514.99	4139664.85	0.36133	0.61259	0.20258	0.13709	0.054530176
offsite	592614.99	4139664.85	0.34535	0.51692	0.19057	0.13881	0.050967178
offsite	592714.99	4139664.85	0.32938	0.44514	0.17962	0.14017	0.048086343
offsite	592814.99	4139664.85	0.31351	0.38961	0.16963	0.14107	0.045655833
offsite	589514.99	4139764.85	0.09582	0.07825	0.15053	0.03278	0.015090045
offsite	589614.99	4139764.85	0.10237	0.08224	0.17185	0.03411	0.016369847
offsite	591414.99	4139764.85	0.67207	0.67468	0.50088	0.1084	0.075016781
offsite	591514.99	4139764.85	0.63817	0.90226	0.45	0.11346	0.079090326
offsite	591614.99	4139764.85	0.6052	1.30349	0.40746	0.11818	0.088448547
offsite	591714.99	4139764.85	0.57439	2.2152	0.37103	0.12266	0.112750737
offsite	591814.99	4139764.85	0.54589	7.38882	0.33968	0.12683	0.259792719
offsite	591914.99	4139764.85	0.51974	5.9888	0.3123	0.13075	0.218073054
offsite	592014.99	4139764.85	0.49566	2.42979	0.28829	0.13435	0.11445161
offsite	592114.99	4139764.85	0.47322	1.51524	0.26706	0.13756	0.086959245
offsite	592214.99	4139764.85	0.45193	1.08677	0.24817	0.14039	0.073520254
offsite	592314.99	4139764.85	0.43135	0.83996	0.23128	0.14287	0.065359227
offsite	592414.99	4139764.85	0.41119	0.67992	0.2161	0.14504	0.05973224
offsite	592514.99	4139764.85	0.39133	0.56762	0.2024	0.14686	0.055499922
offsite	592614.99	4139764.85	0.37163	0.48444	0.19003	0.14838	0.052122478
offsite	592714.99	4139764.85	0.35216	0.42068	0.17881	0.14948	0.049302855
offsite	592814.99	4139764.85	0.33299	0.37051	0.16858	0.15014	0.046867907
offsite	589514.99	4139864.85	0.11317	0.08502	0.18257	0.03417	0.017238658
offsite	589614.99	4139864.85	0.12303	0.08959	0.21227	0.0356	0.018969618
offsite	591514.99	4139864.85	0.76151	1.11472	0.46227	0.12462	0.091502047
offsite	591614.99	4139864.85	0.71013	1.71553	0.41662	0.12958	0.105837893
offsite	591714.99	4139864.85	0.66474	3.59784	0.37781	0.13417	0.157432236
offsite	591914.99	4139864.85	0.5892	3.32697	0.31567	0.14233	0.145613868
offsite	592014.99	4139864.85	0.55739	1.85005	0.29046	0.14586	0.101507121

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	592114.99	4139864.85	0.52827	1.26517	0.26827	0.14899	0.083201761
offsite	592214.99	4139864.85	0.50094	0.95146	0.24861	0.15171	0.072798893
offsite	592314.99	4139864.85	0.47483	0.75653	0.23112	0.15402	0.065884165
offsite	592414.99	4139864.85	0.44946	0.62384	0.21547	0.156	0.060812393
offsite	592514.99	4139864.85	0.42468	0.52763	0.20143	0.15762	0.056825746
offsite	592614.99	4139864.85	0.40042	0.4547	0.18877	0.15884	0.05352918
offsite	592714.99	4139864.85	0.37668	0.39772	0.17733	0.15962	0.050701468
offsite	592814.99	4139864.85	0.35358	0.35228	0.16694	0.15988	0.048204595
offsite	589514.99	4139964.85	0.1355	0.09241	0.21998	0.03578	0.019807164
offsite	589614.99	4139964.85	0.15049	0.09759	0.2593	0.03731	0.022101536
offsite	591714.99	4139964.85	0.77659	9.94221	0.38237	0.14732	0.345645698
offsite	591814.99	4139964.85	0.72109	5.2517	0.34746	0.15156	0.208029771
offsite	591914.99	4139964.85	0.67343	2.33495	0.31735	0.15538	0.121811191
offsite	592014.99	4139964.85	0.63162	1.49386	0.29113	0.15879	0.095563546
offsite	592114.99	4139964.85	0.59386	1.08577	0.26816	0.16176	0.08197553
offsite	592214.99	4139964.85	0.55875	0.84546	0.24789	0.16425	0.073347376
offsite	592314.99	4139964.85	0.52528	0.6871	0.22992	0.16635	0.067171163
offsite	592414.99	4139964.85	0.49319	0.57518	0.21392	0.16804	0.062402357
offsite	592514.99	4139964.85	0.46207	0.49174	0.19962	0.16939	0.058508295
offsite	592614.99	4139964.85	0.43204	0.4273	0.18678	0.17026	0.055195543
offsite	592714.99	4139964.85	0.40301	0.37616	0.17518	0.17059	0.05228188
offsite	592814.99	4139964.85	0.37521	0.3348	0.16477	0.17046	0.049682331
offsite	589514.99	4140064.85	0.16336	0.10044	0.26147	0.03763	0.022772404
offsite	589614.99	4140064.85	0.18576	0.10626	0.31074	0.03927	0.025727854
offsite	591714.99	4140064.85	0.92158	13.8534	0.3848	0.16235	0.465282353
offsite	591814.99	4140064.85	0.84405	3.115	0.34854	0.16643	0.152941634
offsite	591914.99	4140064.85	0.77957	1.79925	0.31737	0.17008	0.112067865
offsite	592014.99	4140064.85	0.72404	1.25157	0.29034	0.17327	0.093694967
offsite	592114.99	4140064.85	0.6743	0.95021	0.26674	0.17598	0.082681148
offsite	592214.99	4140064.85	0.62831	0.75962	0.24601	0.17818	0.07503136
offsite	592314.99	4140064.85	0.58486	0.62819	0.22772	0.17994	0.069210529
offsite	592414.99	4140064.85	0.54354	0.5323	0.21148	0.18128	0.064513013
offsite	592514.99	4140064.85	0.50417	0.45931	0.19704	0.18223	0.060563464
offsite	592614.99	4140064.85	0.46672	0.40195	0.18409	0.18266	0.057125146
offsite	592714.99	4140064.85	0.43127	0.35558	0.17246	0.18268	0.05407465
offsite	592814.99	4140064.85	0.39774	0.31796	0.16203	0.18192	0.051296151
offsite	591714.99	4140164.85	1.12207	4.67306	0.38497	0.17955	0.210817034
offsite	591814.99	4140164.85	1.01002	2.23709	0.3476	0.18333	0.135787614
offsite	591914.99	4140164.85	0.92013	1.4641	0.31567	0.18667	0.109517808
offsite	592014.99	4140164.85	0.8445	1.07664	0.28798	0.18945	0.094939397
offsite	592114.99	4140164.85	0.77651	0.84378	0.26401	0.19181	0.085169098
offsite	592214.99	4140164.85	0.71389	0.68812	0.24302	0.19364	0.077858928
offsite	592314.99	4140164.85	0.65581	0.57702	0.22455	0.19498	0.072028409
offsite	592414.99	4140164.85	0.60173	0.49396	0.20822	0.19588	0.067175157
offsite	592514.99	4140164.85	0.5514	0.42961	0.1937	0.19631	0.06300636
offsite	592614.99	4140164.85	0.50465	0.37826	0.18081	0.19625	0.059342787
offsite	592714.99	4140164.85	0.46122	0.33638	0.16924	0.19562	0.056052728
offsite	592814.99	4140164.85	0.42083	0.30187	0.15885	0.19425	0.053040202
park	591314.99	4140264.85	3.71116	1.26672	0.62519	0.17734	0.216378106
park	591414.99	4140264.85	2.61034	1.98131	0.54596	0.18428	0.194462347
offsite	591614.99	4140264.85	1.66859	9.94362	0.42775	0.19514	0.385795821
offsite	591714.99	4140264.85	1.42631	2.92379	0.38285	0.19924	0.173985962
offsite	591814.99	4140264.85	1.25238	1.74602	0.34475	0.20256	0.132769364
park	591914.99	4140264.85	1.11874	1.23198	0.31227	0.20539	0.11225525
offsite	592014.99	4140264.85	1.00858	0.94259	0.28416	0.20761	0.099145409
offsite	592114.99	4140264.85	0.91008	0.75671	0.26006	0.20953	0.089547514
offsite	592214.99	4140264.85	0.82132	0.6272	0.23894	0.2108	0.081957192
offsite	592314.99	4140264.85	0.74101	0.53202	0.22043	0.21159	0.075700523
offsite	592414.99	4140264.85	0.66892	0.45938	0.20411	0.21192	0.070417458
offsite	592514.99	4140264.85	0.60439	0.40219	0.18973	0.21182	0.065874551
offsite	592614.99	4140264.85	0.54602	0.35602	0.17696	0.21112	0.061860877

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
path	592714.99	4140264.85	0.49279	0.31798	0.1655	0.20976	0.058237952
path	592814.99	4140264.85	0.44411	0.28653	0.15534	0.20749	0.054909617
Phase2	590914.99	4140364.85	2.93326	0.54672	1.2739	0.1617	0.188533047
Phase1	591014.99	4140364.85	3.70193	0.66277	1.02997	0.17349	0.212755132
Phase1	591114.99	4140364.85	5.31917	0.83122	0.85729	0.18409	0.272073599
Phase1	591214.99	4140364.85	11.3394	1.09643	0.72652	0.19339	0.497273775
park	591414.99	4140364.85	5.41692	2.89298	0.54444	0.20822	0.326576913
offsite	591614.99	4140364.85	2.4506	4.22363	0.42399	0.21825	0.252726691
school	591714.99	4140364.85	1.96167	2.14283	0.37841	0.22174	0.17373198
school	591814.99	4140364.85	1.65135	1.42893	0.33983	0.22438	0.140740485
school	591914.99	4140364.85	1.42828	1.06106	0.30709	0.22649	0.12104739
offsite	592014.99	4140364.85	1.24904	0.83606	0.27898	0.22808	0.107175457
offsite	592114.99	4140364.85	1.09253	0.68386	0.25469	0.22916	0.096307475
offsite	592214.99	4140364.85	0.95749	0.57429	0.23375	0.22984	0.087526169
offsite	592314.99	4140364.85	0.84282	0.49179	0.21533	0.22993	0.080291358
offsite	592414.99	4140364.85	0.74664	0.42777	0.19931	0.2297	0.074314989
offsite	592514.99	4140364.85	0.66397	0.37671	0.18514	0.22888	0.069203446
offsite	592614.99	4140364.85	0.59118	0.33511	0.17259	0.22737	0.064702563
path	592714.99	4140364.85	0.52588	0.30063	0.16139	0.225	0.060627278
Phase2	590814.99	4140464.85	1.85838	0.51536	1.65693	0.17461	0.163441511
Phase2	590914.99	4140464.85	2.0899	0.61635	1.28439	0.18927	0.163221752
Phase2	591014.99	4140464.85	2.44043	0.74618	1.03562	0.20001	0.172179729
Phase2	591114.99	4140464.85	3.01307	0.96817	0.85696	0.21314	0.194749647
Phase1	591214.99	4140464.85	3.95741	1.33339	0.72495	0.22252	0.236319164
Phase1	591314.99	4140464.85	5.98143	2.11813	0.62169	0.2302	0.330441005
offsite	591514.99	4140464.85	11.9602	7.63164	0.47473	0.24289	0.704805028
offsite	591614.99	4140464.85	4.79699	2.755	0.41739	0.24482	0.299644902
offsite	591714.99	4140464.85	3.21746	1.68904	0.37142	0.24733	0.209626103
school	591814.99	4140464.85	2.45836	1.20613	0.33287	0.24912	0.16668742
offsite	591914.99	4140464.85	1.986	0.92893	0.3001	0.25022	0.140320911
offsite	592014.99	4140464.85	1.63071	0.74846	0.27223	0.25096	0.121168647
offsite	592114.99	4140464.85	1.34734	0.62145	0.24827	0.25126	0.106283062
offsite	592214.99	4140464.85	1.12997	0.52748	0.22756	0.25109	0.094832413
offsite	592314.99	4140464.85	0.96534	0.4554	0.20953	0.25045	0.085988596
offsite	592414.99	4140464.85	0.83775	0.39864	0.19389	0.24947	0.078991102
offsite	592514.99	4140464.85	0.73267	0.35289	0.17999	0.24775	0.073111143
path	592614.99	4140464.85	0.64175	0.31531	0.16782	0.24532	0.067963558
path	592714.99	4140464.85	0.56081	0.28388	0.15696	0.24196	0.063295367
Phase4	590614.99	4140564.85	1.28008	0.42132	3.84811	0.17025	0.217663117
Phase4	590714.99	4140564.85	1.37363	0.4882	2.32538	0.19011	0.170709412
Phase2	590814.99	4140564.85	1.49329	0.5759	1.66516	0.20846	0.156107723
Phase2	590914.99	4140564.85	1.65055	0.69528	1.28319	0.22445	0.153508718
Phase2	591014.99	4140564.85	1.84103	0.85416	1.04087	0.23621	0.157775513
Phase2	591114.99	4140564.85	2.13745	1.13001	0.86116	0.24925	0.171697833
Phase2	591214.99	4140564.85	2.54601	1.64467	0.72488	0.25915	0.197789103
Phase2	591314.99	4140564.85	3.1777	3.16595	0.61384	0.26445	0.261369968
offsite	591714.99	4140564.85	10.93829	1.38917	0.36212	0.27662	0.487806621
offsite	591814.99	4140564.85	5.08341	1.03982	0.32392	0.27721	0.261375228
offsite	591914.99	4140564.85	3.31374	0.82289	0.29163	0.27719	0.188966031
offsite	592014.99	4140564.85	2.30074	0.67452	0.26411	0.27675	0.146446165
offsite	592114.99	4140564.85	1.70781	0.56694	0.24071	0.27608	0.120651214
offsite	592214.99	4140564.85	1.34913	0.48554	0.22049	0.27495	0.104273605
offsite	592314.99	4140564.85	1.11598	0.42217	0.20302	0.27345	0.093080378
offsite	592414.99	4140564.85	0.94989	0.37164	0.18778	0.27147	0.084742549
path	592514.99	4140564.85	0.8165	0.33059	0.17448	0.26884	0.077870553
path	592614.99	4140564.85	0.70008	0.29661	0.16272	0.2652	0.071759889
Phase4	590514.99	4140664.85	1.02475	0.40413	11.69718	0.18331	0.49122659
Phase4	590614.99	4140664.85	1.08901	0.46388	3.83144	0.20915	0.215914261
Phase4	590714.99	4140664.85	1.15932	0.53841	2.32968	0.2326	0.169508518
Phase3	590814.99	4140664.85	1.25792	0.64505	1.66884	0.25363	0.154975387
Phase3	590914.99	4140664.85	1.36279	0.7842	1.28614	0.26987	0.15102369

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
Phase2	591014.99	4140664.85	1.49189	0.99323	1.03369	0.28282	0.154255495
Phase2	591114.99	4140664.85	1.67911	1.37768	0.8471	0.29506	0.166945302
Phase2	591214.99	4140664.85	1.91123	2.24049	0.71149	0.30018	0.196015636
offsite	591314.99	4140664.85	2.2313	6.67174	0.60105	0.30516	0.331779713
offsite	591914.99	4140664.85	10.44952	0.73481	0.28149	0.30771	0.451858529
offsite	592014.99	4140664.85	3.56423	0.61041	0.2545	0.30574	0.194136551
offsite	592114.99	4140664.85	2.21972	0.51823	0.23183	0.30389	0.141059143
offsite	592214.99	4140664.85	1.63705	0.44735	0.21243	0.30176	0.116665345
path	592314.99	4140664.85	1.31516	0.39137	0.19591	0.29966	0.102387008
path	592414.99	4140664.85	1.10459	0.3466	0.18136	0.29643	0.09245621
path	592514.99	4140664.85	0.92734	0.30971	0.16864	0.29256	0.083965272
Phase4	590514.99	4140764.85	0.90087	0.44256	11.81095	0.23303	0.497803921
Phase4	590614.99	4140764.85	0.9541	0.51075	3.84527	0.26541	0.219520969
Phase4	590714.99	4140764.85	1.01615	0.60083	2.33378	0.29275	0.17337391
Phase3	590814.99	4140764.85	1.08852	0.72427	1.65968	0.31412	0.157924508
Phase3	590914.99	4140764.85	1.16393	0.8928	1.29146	0.32828	0.154006691
Phase3	591014.99	4140764.85	1.25605	1.17242	1.01347	0.34187	0.157068339
Phase2	591114.99	4140764.85	1.39576	1.7558	0.8256	0.34762	0.17291004
Phase2	591214.99	4140764.85	1.54734	3.46349	0.68868	0.35168	0.223134237
offsite	592014.99	4140764.85	6.87477	0.55498	0.24466	0.33969	0.317862012
path	592114.99	4140764.85	3.07953	0.47503	0.2229	0.33659	0.174988285
path	592214.99	4140764.85	2.08739	0.41318	0.20444	0.33305	0.135676925
path	592314.99	4140764.85	1.63289	0.36343	0.18843	0.3294	0.116539248
offsite	590714.99	4140864.85	0.90408	0.66981	2.33819	0.37835	0.181620886
Phase3	590814.99	4140864.85	0.96258	0.8192	1.64529	0.39639	0.16533505
Phase3	590914.99	4140864.85	1.02779	1.04876	1.24833	0.40745	0.161394504
Phase3	591014.99	4140864.85	1.09955	1.44172	0.99818	0.4128	0.16698191
Phase3	591114.99	4140864.85	1.19503	2.39936	0.80207	0.41456	0.191184515
offsite	591214.99	4140864.85	1.29664	8.59958	0.66601	0.41344	0.368123989
Phase7	591314.99	4140864.85	1.42654	5.62814	0.56007	0.41045	0.283319754
path	591914.99	4140864.85	5.18803	0.59501	0.25766	0.38347	0.262743046
path	592114.99	4140864.85	5.25384	0.43635	0.21317	0.37399	0.25787007
Phase5	590714.99	4140964.85	0.81493	0.74878	2.31683	0.49909	0.194268179
Phase5	590814.99	4140964.85	0.83379	0.88609	1.58334	0.51162	0.174063153
Phase5	590914.99	4140964.85	0.91505	1.24463	1.21985	0.50918	0.174009526
Phase3	591014.99	4140964.85	0.97507	1.85252	0.95409	0.504	0.183525714
Phase3	591114.99	4140964.85	1.0407	3.84638	0.7689	0.49646	0.235699606
Phase7	591314.99	4140964.85	1.21455	3.18739	0.52992	0.48559	0.213262973
Phase7	591414.99	4140964.85	1.32649	1.82344	0.44189	0.47575	0.173831719
Phase8	591514.99	4140964.85	1.45834	1.26834	0.38068	0.46563	0.159312184
Phase8	591614.99	4140964.85	1.6083	0.97352	0.34277	0.45232	0.153395541
path	591914.99	4140964.85	3.37142	0.53894	0.24442	0.43132	0.199634418
offsite	592014.99	4140964.85	6.49538	0.46182	0.22203	0.42478	0.31059586
Phase5	590714.99	4141064.85	0.72377	0.81963	2.24297	0.65508	0.208932575
Phase5	590814.99	4141064.85	0.75236	0.94849	1.4133	0.62764	0.180614621
Phase5	590914.99	4141064.85	0.80363	1.33396	1.10899	0.63147	0.18310746
Phase5	591014.99	4141064.85	0.85389	2.16383	0.87437	0.62034	0.199053689
Phase7	591214.99	4141064.85	0.991	4.86026	0.59714	0.57695	0.266462265
Phase7	591314.99	4141064.85	1.06395	2.20454	0.4846	0.56748	0.187630427
Phase7	591414.99	4141064.85	1.13226	1.42228	0.40726	0.53866	0.16143437
Phase8	591514.99	4141064.85	1.23404	1.05573	0.34975	0.52408	0.150830317
Phase8	591614.99	4141064.85	1.37544	0.83569	0.30539	0.51456	0.146969764
Phase8	591714.99	4141064.85	1.59145	0.69287	0.28386	0.5096	0.149434285
path	591814.99	4141064.85	1.89556	0.57616	0.25559	0.49832	0.154889013
offsite	591914.99	4141064.85	2.41673	0.48979	0.23101	0.48968	0.169637697
offsite	592014.99	4141064.85	3.27292	0.42304	0.21038	0.48094	0.197387739
offsite	592114.99	4141064.85	4.71179	0.37021	0.19296	0.47243	0.247086291
offsite	592214.99	4141064.85	6.96192	0.32767	0.17806	0.46392	0.326973992
offsite	592314.99	4141064.85	6.35648	0.29284	0.16511	0.45462	0.302155322
Phase5	590714.99	4141164.85	0.66605	0.89022	2.05619	0.89998	0.231380871
Phase5	590814.99	4141164.85	0.68612	1.08247	1.32866	0.80726	0.200444066

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
Phase5	590914.99	4141164.85	0.73002	1.62278	1.02757	0.79118	0.204854942
offsite	591014.99	4141164.85	0.78454	3.95294	0.81699	0.78597	0.265654156
Phase6	591114.99	4141164.85	0.82837	11.31349	0.67388	0.72279	0.466160204
Phase6	591214.99	4141164.85	0.88623	2.90624	0.53448	0.69924	0.218798933
Phase7	591314.99	4141164.85	0.93648	1.68259	0.44042	0.65306	0.176577886
Phase8	591414.99	4141164.85	0.98925	1.17518	0.37019	0.63033	0.158694204
Phase8	591514.99	4141164.85	1.07605	0.90795	0.31955	0.60262	0.149073473
Phase8	591614.99	4141164.85	1.19651	0.74458	0.28195	0.59838	0.146945982
path	591714.99	4141164.85	1.32593	0.6184	0.26693	0.58496	0.145931258
path	591814.99	4141164.85	1.51764	0.52094	0.23982	0.57369	0.147853
offsite	591914.99	4141164.85	1.76524	0.4468	0.21761	0.56265	0.152701722
offsite	592014.99	4141164.85	2.04461	0.38854	0.19887	0.55136	0.159268795
offsite	592114.99	4141164.85	2.27258	0.34199	0.18303	0.54009	0.164390753
offsite	592214.99	4141164.85	2.18962	0.30421	0.1694	0.52879	0.158418106
offsite	592314.99	4141164.85	1.60857	0.27322	0.15771	0.51642	0.134284435
offsite	590714.99	4141264.85	0.61468	1.05837	2.0248	1.28793	0.279531045
offsite	590814.99	4141264.85	0.65479	1.55973	1.39467	1.15212	0.256567684
offsite	590914.99	4141264.85	0.67348	2.36037	0.96176	1.04814	0.252304223
Phase6	591114.99	4141264.85	0.74824	4.34735	0.61261	0.88335	0.279947924
offsite	591214.99	4141264.85	0.79777	2.0811	0.4763	0.8377	0.206276668
Phase6	591314.99	4141264.85	0.83815	1.37172	0.39583	0.76613	0.175931669
Phase6	591414.99	4141264.85	0.89158	1.02073	0.33682	0.72958	0.161321035
Phase8	591514.99	4141264.85	0.95529	0.81218	0.29437	0.71291	0.154151405
path	591614.99	4141264.85	1.01647	0.66847	0.27815	0.7011	0.150275059
path	591714.99	4141264.85	1.10535	0.55716	0.2487	0.68547	0.147416334
offsite	591814.99	4141264.85	1.20513	0.47348	0.22457	0.67137	0.146126042
offsite	591914.99	4141264.85	1.3004	0.40866	0.20454	0.65751	0.145388105
offsite	592014.99	4141264.85	1.35823	0.35748	0.18781	0.64306	0.143714887
offsite	592114.99	4141264.85	1.32263	0.31633	0.17351	0.62793	0.13890375
offsite	592214.99	4141264.85	1.14392	0.2828	0.1612	0.61267	0.129110228
offsite	592314.99	4141264.85	0.86606	0.2551	0.15047	0.59552	0.115672894
offsite	592414.99	4141264.85	0.62559	0.23188	0.14097	0.57329	0.103175406
Phase6	591014.99	4141364.85	0.65236	8.39915	0.6796	1.22889	0.436567524
Phase6	591114.99	4141364.85	0.6702	2.37905	0.49166	1.07077	0.238540932
Phase6	591214.99	4141364.85	0.70511	1.58532	0.40963	0.98857	0.204244809
Phase6	591314.99	4141364.85	0.7409	1.14861	0.34711	0.92318	0.182951821
Phase6	591414.99	4141364.85	0.79013	0.89426	0.30309	0.87162	0.16971058
Phase6	591514.99	4141364.85	0.82169	0.72991	0.28894	0.86575	0.164936522
path	591614.99	4141364.85	0.86752	0.5993	0.25697	0.8421	0.158893217
offsite	591714.99	4141364.85	0.91431	0.50354	0.2312	0.82312	0.154667322
offsite	591814.99	4141364.85	0.95406	0.43077	0.21006	0.80569	0.151195039
offsite	591914.99	4141364.85	0.97257	0.37412	0.19233	0.78766	0.14745665
offsite	592014.99	4141364.85	0.95079	0.32912	0.1773	0.76807	0.142483688
offsite	592114.99	4141364.85	0.87206	0.29278	0.16446	0.74714	0.135586133
offsite	592214.99	4141364.85	0.7397	0.26302	0.15333	0.72574	0.126912822
offsite	592314.99	4141364.85	0.58987	0.23837	0.14363	0.70099	0.117395892
offsite	592414.99	4141364.85	0.46652	0.2177	0.1351	0.66723	0.107932145
offsite	592514.99	4141364.85	0.38163	0.20008	0.12738	0.62195	0.098622265
Phase6	591014.99	4141464.85	0.59376	4.36886	0.53654	1.58524	0.355982867
Phase6	591114.99	4141464.85	0.60882	2.00352	0.42083	1.36007	0.257497474
Phase6	591214.99	4141464.85	0.63224	1.33263	0.35371	1.22311	0.220306025
Phase6	591314.99	4141464.85	0.6678	1.00537	0.31023	1.14619	0.201457545
Phase6	591414.99	4141464.85	0.69903	0.80706	0.29278	1.11843	0.192962443
path	591514.99	4141464.85	0.71384	0.64925	0.26463	1.0815	0.183548916
offsite	591614.99	4141464.85	0.7375	0.53729	0.23742	1.05328	0.176852429
offsite	591714.99	4141464.85	0.75438	0.45455	0.21466	1.02588	0.171004541
offsite	591814.99	4141464.85	0.76039	0.39183	0.19646	1.00272	0.166002931
offsite	591914.99	4141464.85	0.74509	0.34243	0.18082	0.97755	0.160453242
offsite	592014.99	4141464.85	0.70203	0.30304	0.16746	0.94994	0.153961969
offsite	592114.99	4141464.85	0.62988	0.27108	0.15596	0.91933	0.146324129
offsite	592214.99	4141464.85	0.53861	0.2448	0.14596	0.88739	0.138042191

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
offsite	592314.99	4141464.85	0.44764	0.22292	0.13718	0.84919	0.129193964
offsite	592414.99	4141464.85	0.37294	0.20445	0.12934	0.79432	0.119084395
Phase6	591214.99	4141564.85	0.57827	1.16519	0.31875	1.64789	0.26298431
Phase6	591314.99	4141564.85	0.59799	0.88841	0.28872	1.55366	0.243420747
path	591414.99	4141564.85	0.60732	0.70773	0.27123	1.49882	0.231392416
path	591514.99	4141564.85	0.61934	0.5753	0.24262	1.44634	0.220732362
offsite	591614.99	4141564.85	0.62621	0.4803	0.21897	1.40156	0.21205675
offsite	591714.99	4141564.85	0.62611	0.40997	0.19973	1.36215	0.204633916
offsite	591814.99	4141564.85	0.61439	0.3559	0.1836	1.32123	0.197182956
offsite	591914.99	4141564.85	0.58721	0.31319	0.16981	1.28259	0.18984692
offsite	592014.99	4141564.85	0.54334	0.27891	0.15798	1.24104	0.181862933
offsite	592114.99	4141564.85	0.48553	0.25101	0.14776	1.19206	0.172720722
offsite	592214.99	4141564.85	0.42137	0.22786	0.13875	1.14124	0.163305484
offsite	592314.99	4141564.85	0.36115	0.20876	0.13108	1.07543	0.152409341
path	591414.99	4141664.85	0.53541	0.61467	0.24655	2.28387	0.318944305
offsite	591514.99	4141664.85	0.5376	0.50627	0.22254	2.19125	0.303985337
offsite	591614.99	4141664.85	0.53452	0.42778	0.2026	2.10526	0.290630491
offsite	591714.99	4141664.85	0.52484	0.369	0.18613	2.02579	0.278503022
offsite	591814.99	4141664.85	0.50587	0.32322	0.17209	1.94166	0.265938703
offsite	591914.99	4141664.85	0.47659	0.28676	0.16001	1.87254	0.255126499
offsite	592014.99	4141664.85	0.43778	0.25726	0.14957	1.79155	0.24280558
offsite	592114.99	4141664.85	0.39242	0.23296	0.1404	1.69403	0.228465017
offsite	592214.99	4141664.85	0.34576	0.21273	0.13234	1.6061	0.215378842
path	591314.99	4141764.85	0.47356	0.65291	0.24907	5.44263	0.695098227
offsite	591414.99	4141764.85	0.47333	0.53016	0.22519	5.02672	0.641033476
offsite	591514.99	4141764.85	0.4688	0.44419	0.20485	4.57176	0.583331572
offsite	591614.99	4141764.85	0.46018	0.38078	0.18812	4.24575	0.541657463
offsite	591714.99	4141764.85	0.44588	0.33224	0.17399	3.95624	0.504654534
offsite	591814.99	4141764.85	0.42464	0.29372	0.16165	3.68341	0.46974098
offsite	591914.99	4141764.85	0.39716	0.26294	0.15114	3.47562	0.442653829
offsite	592014.99	4141764.85	0.36422	0.23764	0.14187	3.1915	0.406452406
offsite	592114.99	4141764.85	0.32852	0.21663	0.13369	2.93711	0.373862571
offsite	590914.99	4141964.85	0.38994	1.38121	0.30994	2.67044	0.384077379
path	591214.99	4141964.85	0.38632	0.56095	0.2255	3.91723	0.506231879
path	591314.99	4141964.85	0.3819	0.46555	0.20648	4.17259	0.533140643
offsite	590814.99	4142064.85	0.36178	1.35808	0.30615	1.7833	0.276294794
offsite	590914.99	4142064.85	0.3613	0.9324	0.27351	1.9813	0.286514962
offsite	591014.99	4142064.85	0.35964	0.70185	0.24679	2.17745	0.302292498
path	591114.99	4142064.85	0.35626	0.56144	0.22436	2.33172	0.315750466
path	591214.99	4142064.85	0.35158	0.46697	0.20562	2.44309	0.325490397
offsite	590714.99	4142164.85	0.33841	1.17124	0.30201	1.34291	0.217323051
offsite	590814.99	4142164.85	0.33729	0.87484	0.27057	1.45247	0.220716997
path	590914.99	4142164.85	0.33536	0.67932	0.24475	1.56154	0.227124311
path	591014.99	4142164.85	0.33174	0.551	0.22298	1.65416	0.233582115
path	591114.99	4142164.85	0.32716	0.46136	0.20464	1.7279	0.238984943
path	590414.99	4142264.85	0.3178	0.96269	0.37455	0.93595	0.164574788
path	590514.99	4142264.85	0.3181	1.03964	0.33348	1.00296	0.173325537
path	590614.99	4142264.85	0.31781	0.95892	0.29731	1.07278	0.178033909
path	590714.99	4142264.85	0.31648	0.7875	0.26711	1.14326	0.1803901
path	590814.99	4142264.85	0.31438	0.64198	0.2422	1.21224	0.183473344
path	590914.99	4142264.85	0.31155	0.53248	0.22158	1.27614	0.187112554
path	591014.99	4142264.85	0.3074	0.45069	0.20382	1.32896	0.190279278
school	591514.99	4142364.85	0.2429	0.2257	0.13601	1.11022	0.152884052
park	591214.99	4142464.85	0.2513	0.26849	0.15287	0.93896	0.134575323
park	591314.99	4142464.85	0.24255	0.2446	0.14376	0.93118	0.132310865
school	591414.99	4142464.85	0.23359	0.2246	0.136	0.91495	0.129189847
path	590414.99	4142564.85	0.27149	0.5079	0.25672	0.69117	0.116335979
offsite	590914.99	4142564.85	0.25287	0.32319	0.17319	0.79032	0.1191837
offsite	591014.99	4142564.85	0.24778	0.29208	0.16268	0.79753	0.118586067
offsite	591114.99	4142564.85	0.24122	0.26531	0.15298	0.7976	0.117235577
park	591214.99	4142564.85	0.23304	0.242	0.14374	0.78962	0.114980177

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED WITH DIURNAL VARIATIONS				PM2.5 Concentration (AVERAGE CONC) [ug/m^3] - SCALED
park	591314.99	4142564.85	0.22503	0.22274	0.13596	0.77542	0.112157046
school	591414.99	4142564.85	0.21631	0.20601	0.12896	0.75252	0.108369567
path	590314.99	4142664.85	0.25944	0.44505	0.25161	0.60893	0.104081606
offsite	590514.99	4142664.85	0.25404	0.41007	0.21451	0.6475	0.106151616
offsite	590614.99	4142664.85	0.25068	0.37983	0.19855	0.66356	0.10650374
offsite	590714.99	4142664.85	0.24699	0.34707	0.1848	0.67681	0.106515082
offsite	590814.99	4142664.85	0.24273	0.31547	0.17281	0.68629	0.106151801
offsite	590914.99	4142664.85	0.23784	0.28696	0.16229	0.69129	0.105371964
offsite	591014.99	4142664.85	0.23171	0.26156	0.1526	0.69051	0.103975499
park	591214.99	4142664.85	0.21754	0.22082	0.13608	0.67184	0.099460919
path	590314.99	4142764.85	0.24731	0.39154	0.22971	0.56168	0.095668504
offsite	590514.99	4142764.85	0.24083	0.35663	0.19765	0.58801	0.096420082
offsite	590614.99	4142764.85	0.23728	0.33195	0.18406	0.59817	0.09630555
offsite	590714.99	4142764.85	0.23333	0.30603	0.17223	0.60541	0.095855163
offsite	590814.99	4142764.85	0.22849	0.28069	0.16162	0.60864	0.09495367
offsite	590914.99	4142764.85	0.2232	0.25764	0.15227	0.6079	0.093672602
offsite	591014.99	4142764.85	0.21717	0.23696	0.14378	0.60243	0.091898478
offsite	591114.99	4142764.85	0.21088	0.21906	0.13628	0.59243	0.089689269
park	591239.54	4140294.63	8.68408	1.04294	0.6985	0.17813	0.395360307
park	591338.72	4140348.36	8.10935	1.70094	0.60488	0.1989	0.392279444

Roadway HRA
Cumulative With Project

City Place Roadway HRA - Toxics

Truck g/s	Scaling Factor - Annual	Scaling Factor - 1hr
Tasman	0.01554	0.04061
Lafayette	0.01216	0.03365
Great Am	0.01519	0.02933
SR237	0.06282	0.12235

CANCER RISK
Cancer risk is calculated by multiplying the scaled annual average concentration by the Unit Risk Factor (TOG Speciation tab).

CHRONIC HAZARD QUOTIENT
Chronic risk is calculated by dividing the scaled 1-hr average concentration by the Unit Risk Factor (TOG Speciation tab).

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED: Tasman	Lafayette	Great Am	SR237	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED: Tasman	Lafayette	Great Am	SR237	Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Million (Residential 30-yr; school and p: Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	589514.99	4140064.85	0.30022	0.19426	0.49587	0.07197	0.019082466	32.71507	5.51455	16.77567	17.33471	4.126968234	Residential	3.47E-08	0	8.8E-04
offsite	589514.99	4139964.85	0.24955	0.17954	0.41156	0.06861	0.016624084	40.78093	5.41622	16.79108	16.34704	4.330792621	Residential	3.03E-08	0	7.7E-04
offsite	589514.99	4139864.85	0.21047	0.16589	0.33759	0.0657	0.014544188	34.00449	5.41877	16.79698	15.34252	3.932987304	Residential	2.65E-08	0	6.7E-04
offsite	589514.99	4139764.85	0.18021	0.1533	0.27626	0.06316	0.012829525	37.49381	5.45883	16.80069	14.74086	4.002519166	Residential	2.34E-08	0	5.9E-04
offsite	589514.99	4139664.85	0.15597	0.14161	0.228	0.06088	0.011434257	40.98284	5.46788	16.76644	14.07559	4.062099577	Residential	2.08E-08	0	5.3E-04
offsite	589514.99	4139564.85	0.13594	0.13089	0.19123	0.05883	0.010305218	35.57667	5.46886	16.56525	13.41077	3.755369368	Residential	1.88E-08	0	4.8E-04
offsite	589514.99	4139464.85	0.1193	0.12107	0.16351	0.05695	0.009387976	31.68553	5.60413	16.24627	12.78527	3.516033176	Residential	1.71E-08	0	4.3E-04
offsite	589514.99	4139364.85	0.10575	0.11218	0.14243	0.05524	0.008641618	28.40451	5.74344	16.40645	12.50402	3.357781163	Residential	1.57E-08	0	4.0E-04
offsite	589514.99	4139264.85	0.09489	0.10388	0.12626	0.05362	0.008024488	28.5725	5.8391	16.50796	12.31514	3.347690426	Residential	1.46E-08	0	3.7E-04
offsite	589614.99	4140064.85	0.34042	0.20546	0.59261	0.07536	0.021526054	36.62459	5.54982	18.07795	16.40999	4.211967321	Residential	3.92E-08	0	1.0E-03
offsite	589614.99	4139964.85	0.27629	0.18954	0.48699	0.07176	0.018505078	44.54871	5.54079	18.09639	15.46091	4.417851837	Residential	3.37E-08	0	8.6E-04
offsite	589614.99	4139864.85	0.22834	0.17474	0.39314	0.06862	0.015956882	35.11709	5.53521	18.10301	14.68806	3.940322574	Residential	2.91E-08	0	7.4E-04
offsite	589614.99	4139764.85	0.1922	0.16105	0.31528	0.06587	0.013873144	43.98139	5.64272	18.09888	13.92472	4.210368818	Residential	2.53E-08	0	6.4E-04
offsite	589614.99	4139664.85	0.1639	0.14835	0.25493	0.06336	0.012204377	42.95858	5.80455	18.04586	13.21057	4.085352838	Residential	2.22E-08	0	5.6E-04
offsite	589614.99	4139564.85	0.14122	0.13676	0.21002	0.06111	0.010887347	35.04785	5.91096	17.7559	12.8094	3.710124128	Residential	1.98E-08	0	5.0E-04
offsite	589614.99	4139464.85	0.12309	0.12616	0.17711	0.05904	0.00984668	31.92097	5.97363	17.08889	12.54941	3.533888582	Residential	1.79E-08	0	4.6E-04
offsite	589614.99	4139364.85	0.10882	0.11659	0.15278	0.05714	0.009019554	29.83113	6.0013	17.47209	12.31424	3.432428066	Residential	1.64E-08	0	4.2E-04
offsite	589614.99	4139264.85	0.09768	0.10771	0.13457	0.05537	0.008350604	29.26594	6.07594	17.95301	12.05793	3.394738021	Residential	1.52E-08	0	3.9E-04
path	590314.99	4142764.85	0.49924	1.35791	0.44787	1.14522	0.103018844	7.84429	43.96344	50.28042	14.25639	5.017216225	Parks/Paths	1.88E-07	0	4.8E-03
path	590314.99	4142664.85	0.52393	1.67941	0.49011	1.24433	0.114179948	7.8935	44.84928	52.2269	15.89305	5.306365881	Parks/Paths	2.08E-07	0	5.3E-03
path	590414.99	4142564.85	0.54783	2.4914	0.50038	1.41074	0.135035398	7.96515	57.38095	55.84681	17.30989	6.010549329	Parks/Paths	2.46E-07	0	6.2E-03
path	590414.99	4142264.85	0.64196	3.29134	0.72702	1.90984	0.181022721	8.18756	58.9328	76.47928	21.79905	7.226269555	Parks/Paths	3.30E-07	0	8.4E-03
offsite	590514.99	4142764.85	0.48496	1.25352	0.38853	1.19154	0.103535868	7.81679	50.04581	47.56107	14.31017	5.147607851	Residential	1.89E-07	0	4.8E-03
offsite	590514.99	4142664.85	0.51183	1.8349	0.42116	1.31634	0.119358925	7.83322	63.78135	50.54152	15.2247	5.809849892	Residential	2.17E-07	0	5.5E-03
path	590514.99	4142264.85	0.64183	5.81572	0.65127	2.04449	0.219025784	8.23945	88.53724	69.68534	22.39601	8.098433239	Parks/Paths	3.99E-07	0	1.0E-02
Phase4	590514.99	4140764.85	1.83489	0.80896	22.42546	0.47592	0.408941623	15.98804	11.71891	205.5199	18.09394	9.285977021	Residential	7.45E-07	1	1.9E-02
Phase4	590514.99	4140664.85	2.08319	0.73977	22.14638	0.37133	0.401148795	17.89171	10.65554	202.82676	16.59699	9.065342199	Residential	7.30E-07	1	1.9E-02
offsite	590614.99	4142764.85	0.47735	1.06438	0.36533	1.20751	0.101768404	7.87031	44.48737	40.88581	14.35051	4.771843632	Residential	1.85E-07	0	4.7E-03
offsite	590614.99	4142664.85	0.5046	1.48834	0.39386	1.34458	0.116391624	7.88133	62.84651	44.93104	15.31231	5.626486084	Residential	2.12E-07	0	5.4E-03
path	590614.99	4142264.85	0.64071	45.69914	0.58832	2.18478	0.711857197	8.27345	294.25172	66.43316	23.69958	15.08703462	Parks/Paths	1.30E-06	1	3.3E-02
Phase4	590614.99	4140764.85	1.94395	0.93339	7.54545	0.54416	0.190377072	16.68015	13.17647	78.18854	17.18033	5.516278734	Residential	3.47E-07	0	8.8E-03
Phase4	590614.99	4140664.85	2.21407	0.84877	7.51833	0.42613	0.185719217	19.14132	11.96184	74.81894	15.77723	5.304830577	Residential	3.38E-07	0	8.6E-03
Phase4	590614.99	4140564.85	2.59498	0.77319	7.49784	0.34615	0.185384116	22.14042	10.94495	70.57176	14.61578	5.125703189	Residential	3.38E-07	0	8.6E-03
offsite	590714.99	4142764.85	0.46904	0.89644	0.34555	1.21687	0.09988457	7.98873	34.67978	45.26307	14.33565	4.573169194	Residential	1.82E-07	0	4.6E-03
offsite	590714.99	4142664.85	0.49682	1.14496	0.3707	1.366	0.113088903	7.98769	41.27732	46.85328	15.38908	4.970692627	Residential	2.06E-07	0	5.2E-03
path	590714.99	4142264.85	0.63765	4.94989	0.535	2.32668	0.224393123	8.27144	37.56558	53.62931	24.36911	6.154753652	Parks/Paths	4.09E-07	0	1.0E-02
offsite	590714.99	4142164.85	0.68207	5.39194	0.60468	2.72	0.256226139	8.46771	49.17464	56.13105	27.76089	7.041778095	Residential	4.67E-07	0	1.2E-02
offsite	590714.99	4141264.85	1.25568	1.91613	4.05846	2.54758	0.264512636	11.80857	22.37245	53.4934	31.81879	6.69453855	Residential	4.82E-07	0	1.2E-02
Phase5	590714.99	4141164.85	1.3543	1.6145	4.15477	1.82492	0.218442475	12.44548	20.14748	51.23592	25.67119	5.827154603	Residential	3.98E-07	0	1.0E-02
Phase5	590714.99	4141064.85	1.48721	1.48843	4.5022	1.33525	0.193491728	13.69539	18.42721	48.92894	22.25627	5.334533413	Residential	3.52E-07	0	8.9E-03
Phase5	590714.99	4140964.85	1.66366	1.36885	4.60607	1.02961	0.177157256	14.75822	17.06007	47.86581	19.72526	4.990831132	Residential	3.23E-07	0	8.2E-03
offsite	590714.99	4140864.85	1.84508	1.22548	4.64828	0.78207	0.163323867	15.71781	15.86374	47.60951	17.71022	4.735480257	Residential	2.97E-07	0	7.6E-03
Phase4	590714.99	4140764.85	2.07127	1.09945	4.64681	0.60206	0.153975795	17.37898	14.76111	47.40557	16.04638	4.556275571	Residential	2.80E-07	0	7.1E-03
Phase4	590714.99	4140664.85	2.35835	0.9798	4.64015	0.47624	0.148976998	19.72534	13.60043	47.04311	14.66761	4.433167809	Residential	2.71E-07	0	6.9E-03
Phase4	590714.99	4140564.85	2.78541	0.89571	4.63029	0.38722	0.148849215	22.84121	12.26124	46.89527	13.51281	4.368996927	Residential	2.71E-07	0	6.9E-03
offsite	590814.99	4142764.85	0.45903	0.77455	0.32727	1.21785	0.098030646	8.06918	23.79369	39.99777	14.81428	4.114184415	Residential	1.79E-07	0	4.5E-03
offsite	590814.99	4142664.85	0.48798	0.94044	0.34982	1.37877	0.110949519	8.09579	25.24812	40.87617	15.98171	4.332811811	Residential	2.02E-07	0	5.1E-03
path	590814.99	4142264.85	0.63313	2.74402	0.48923	2.46392	0.205425144	8.35327	28.42844	46.44625	24.69502	5.679744552	Parks/Paths	3.74E-07	0	9.5E-03
offsite	590814.99	4142164.85	0.67946	3.15287	0.54639	2.94236	0.242041222	8.50382	33.56274	46.6181	28.92688	6.38144879	Residential	4.41E-07	0	1.1E-02
offsite	590814.99	4142064.85	0.7289	3.74755	0.61838	3.58747	0.291661007	8.82186	41.73944	46.02576	34.00054	7.272919483	Residential	5.31E-07	1	1.3E-02
offsite	590814.99	4141264.85	1.32946	2.80768	2.7964	2.31683	0.242831397	12.21817	29.13655	37.92906	28.9388	6.129892124	Residential	4.42E-07	0	1.1E-02
Phase5	590814.99	4141164.85	1.3999	1.92632	2.7014	1.62676	0.188414556	12.85548	25.13824	37.54962	23.79575	5.380838598	Residential	3.43E-07	0	8.7E-03
Phase5	590814.99	4141064.85	1.5367	1.69813	2.87353	1.28096	0.1686573	13.60057	21.77067	37.60295	20.55969	4.903399783	Residential	3.07E-07	0	7.8E-03
Phase5	590814.99	4140964.85	1.70968	1.60771	3.20658	1.03161	0.159641413	15.38072	19.74831	37.20984	18.55765	4.65114658	Residential	2.91E-07	0	7.4E-03
Phase3	590814.99	4140864.85	1.96506	1.50141	3.30684	0.81632	0.15031608	16.64978	18.12791	37.19053	16.02427	4.337624158	Residential	2.74E-07	0	7.0E-03
Phase3	590814.99	4140764.85	2.21993	1.32907	3.33762	0.64644	0.1419769	18.34496	16.71774	37.15565	14.47754	4.168737814	Residential	2.59E-07	0	6.6E-03
Phase3	590814.99	4140664.85	2.55917	1.18538	3.3552	0.52458	0.138113409	20.76181	15.43814	37.12894	13.2361	4.071141007	Residential	2.51E-07	0	6.4E-03
Phase2	590814.99	4140564.85	3.02814	1.05937	3.35009	0.42669	0.137642128	24.27999	14.12748	37.07041	12.24434	4.046833822	Residential	2.51E-07	0	6.4E-03
Phase2	590814.99	4140464.85	3.75366	0.94967	3.33449	0.35525	0.142858428	29.23776	12.6328	36.96336	11.45695	4.098370407	Residential	2.60E-07	0	6.6E-03
offsite	590914.99	4142764.85	0.44823	0.68214	0.31026	1.21071	0.096032119	8.21443	19.10689	35.74492	15.68088	3.943628334	Residential	1.75E-07	0	4.4E-03
offsite	590914.99	4142664.85	0.47796	0.80182	0.33045	1.38177	0.109002337	8.28313	19.38294	37.09995	16.80334	4.132786789	Residential	1.98E-07	0	5.0E-03
offsite	590914.99	4142564.85	0.50846	0.97457	0.35238	1.58765	0.12484372	8.3174	18.14498	37.77045	18.10712	4.27169907	Residential	2.27E-07	0	5.8E-03

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Million (Residential 30-yr; school and p Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
path	590914.99	4142264.85	0.62732	1.86257	0.44994	2.58701	0.201751916	8.61517	22.70863	36.54873	24.95192	5.238986511	Parks/Paths	3.67E-07	0	9.3E-03
path	590914.99	4142164.85	0.67547	2.17895	0.49702	3.15885	0.242986144	8.75991	25.8353	35.3666	29.46467	5.867539272	Parks/Paths	4.42E-07	0	1.1E-02
offsite	590914.99	4142064.85	0.72771	2.56256	0.55564	3.98654	0.301349479	8.94718	30.19595	33.98606	36.53807	6.846818014	Residential	5.49E-07	1	1.4E-02
offsite	590914.99	4141964.85	0.78543	3.1935	0.63032	5.29118	0.393011926	9.30199	36.72705	33.28361	48.84867	8.566596499	Residential	7.16E-07	1	1.8E-02
offsite	590914.99	4141264.85	1.36973	4.09453	1.95664	2.06685	0.230643933	12.75451	48.79921	31.47262	26.29784	6.300892702	Residential	4.20E-07	0	1.1E-02
Phase5	590914.99	4141164.85	1.486	2.84663	2.096	1.58742	0.189275115	13.38249	35.41605	31.56817	22.66339	5.434129382	Residential	3.45E-07	0	8.8E-03
Phase5	590914.99	4141064.85	1.63714	2.37214	2.26027	1.2807	0.169081272	14.48101	28.50786	31.04484	19.59651	4.855669006	Residential	3.08E-07	0	7.8E-03
Phase5	590914.99	4140964.85	1.86591	2.28264	2.46306	1.04969	0.160116799	15.98948	24.26218	31.27964	17.90061	4.573434691	Residential	2.92E-07	0	7.4E-03
Phase3	590914.99	4140864.85	2.0979	1.92887	2.5249	0.83673	0.146981361	17.59456	21.5156	31.23722	16.02166	4.315046469	Residential	2.68E-07	0	6.8E-03
Phase3	590914.99	4140764.85	2.37685	1.61428	2.58931	0.67059	0.138032471	19.45907	19.42827	31.1861	13.28353	3.984004836	Residential	2.51E-07	0	6.4E-03
Phase3	590914.99	4140664.85	2.77484	1.42354	2.59696	0.55321	0.134640444	22.11176	17.74533	31.12625	12.07	3.884853102	Residential	2.45E-07	0	6.2E-03
Phase2	590914.99	4140564.85	3.34733	1.28379	2.59992	0.46033	0.136048203	26.57115	16.25325	30.85599	11.3379	3.918217147	Residential	2.48E-07	0	6.3E-03
Phase2	590914.99	4140464.85	4.21834	1.14023	2.60062	0.39017	0.143441837	32.7294	14.74607	29.76773	10.73799	4.012235048	Residential	2.61E-07	0	6.6E-03
Phase2	590914.99	4140364.85	5.87858	1.0136	2.58175	0.33201	0.163763182	49.41769	13.07223	28.58951	10.28217	4.543215673	Residential	2.98E-07	0	7.6E-03
offsite	591014.99	4142764.85	0.43601	0.60885	0.29398	1.1945	0.093685332	8.38739	15.58689	32.15059	16.30265	3.802827234	Residential	1.71E-07	0	4.3E-03
offsite	591014.99	4142664.85	0.46552	0.69932	0.31171	1.37343	0.106753958	8.45581	14.6307	31.70371	17.48976	3.905557878	Residential	1.94E-07	0	4.9E-03
offsite	591014.99	4142564.85	0.49813	0.81851	0.332	1.59326	0.122828264	8.53781	14.69022	30.89554	18.91372	4.061402963	Residential	2.24E-07	0	5.7E-03
path	591014.99	4142264.85	0.61895	1.39519	0.41532	2.68564	0.201608446	8.86558	17.66178	29.89036	26.07271	5.021120697	Parks/Paths	3.67E-07	0	9.3E-03
path	591014.99	4142164.85	0.66799	1.63424	0.4544	3.34464	0.247270075	8.99324	19.03963	29.30644	33.82323	6.003807568	Parks/Paths	4.50E-07	0	1.1E-02
offsite	591014.99	4142064.85	0.72425	1.90104	0.50339	4.37551	0.316893072	9.19451	21.24412	28.69637	42.37669	7.114774337	Residential	5.77E-07	1	1.5E-02
Phase6	591014.99	4141664.85	1.01135	5.07056	0.85364	9.4478	0.683863221	10.78157	43.03709	27.97369	96.53462	14.51756076	Residential	1.25E-06	1	3.2E-02
Phase6	591014.99	4141564.85	1.10323	7.3132	1.00309	4.89244	0.428661379	11.32625	72.50584	27.82185	54.03114	10.32674784	Residential	7.81E-07	1	2.0E-02
Phase6	591014.99	4141464.85	1.20686	7.41659	1.10398	3.14424	0.323238581	11.92187	73.8905	27.50771	37.15429	8.323467801	Residential	5.89E-07	1	1.5E-02
Phase6	591014.99	4141364.85	1.31666	14.54996	1.36928	2.45266	0.372273358	12.59825	100.30316	27.31351	28.66484	8.195461739	Residential	6.78E-07	1	1.7E-02
offsite	591014.99	4141264.85	1.44242	30.71394	1.5552	1.94007	0.541408907	13.31664	232.80285	27.2811	24.55603	12.18013058	Residential	9.86E-07	1	2.5E-02
offsite	591014.99	4141164.85	1.59436	6.76635	1.67231	1.55664	0.230253477	14.31127	69.5411	27.24143	21.5598	6.358349461	Residential	4.19E-07	0	1.1E-02
Phase5	591014.99	4141064.85	1.73648	3.76768	1.78419	1.25377	0.178670759	15.43895	45.17725	27.10948	18.64818	5.224095475	Residential	3.25E-07	0	8.3E-03
Phase3	591014.99	4140964.85	1.98543	3.3885	1.9351	1.03909	0.166735015	16.943	32.64711	27.22629	17.12151	4.680119797	Residential	3.04E-07	0	7.7E-03
Phase3	591014.99	4140864.85	2.24221	2.626	2.01353	0.8445	0.150420634	18.72808	27.25097	27.17494	15.69225	4.394628915	Residential	2.74E-07	0	7.0E-03
Phase3	591014.99	4140764.85	2.56984	2.13708	2.06131	0.69194	0.140708839	21.01178	23.63315	26.96686	14.03233	4.156414374	Residential	2.56E-07	0	6.5E-03
Phase2	591014.99	4140664.85	3.04679	1.81221	2.0983	0.57453	0.137356717	24.15249	21.0374	26.39814	11.58627	3.880634703	Residential	2.50E-07	0	6.4E-03
Phase2	591014.99	4140564.85	3.74436	1.55544	2.11399	0.47975	0.139359369	29.49956	18.98902	24.88681	10.97437	3.909623284	Residential	2.54E-07	0	6.4E-03
Phase2	591014.99	4140464.85	4.92267	1.35068	2.1081	0.40691	0.150516021	39.30155	17.23323	24.89168	10.49118	4.189577418	Residential	2.74E-07	0	7.0E-03
Phase1	591014.99	4140364.85	7.39847	1.23196	2.09807	0.35797	0.18432155	62.16999	15.51997	24.91237	10.09034	5.012076583	Residential	3.36E-07	0	8.5E-03
offsite	591114.99	4142764.85	0.42336	0.5496	0.27908	1.17	0.091002774	8.55398	12.49873	27.69689	16.88545	3.6463244	Residential	1.66E-07	0	4.2E-03
offsite	591114.99	4142564.85	0.48488	0.7079	0.31269	1.58478	0.120451223	8.71488	13.09617	27.69448	19.74791	4.02310998	Residential	2.19E-07	0	5.6E-03
path	591114.99	4142164.85	0.65878	1.28953	0.4182	3.48557	0.251238563	9.21298	16.74112	26.0475	38.46214	6.40734168	Parks/Paths	4.57E-07	0	1.2E-02
path	591114.99	4142064.85	0.71741	1.4859	0.45904	4.67739	0.330029133	9.41891	18.22675	25.83463	48.41136	7.676724947	Parks/Paths	6.01E-07	1	1.5E-02
Phase6	591114.99	4141764.85	0.93925	2.45917	0.6414	19.50135	1.279335014	10.59361	23.65325	25.09574	188.14796	24.9818799	Residential	2.33E-06	2	5.9E-02
Phase6	591114.99	4141664.85	1.02935	3.01131	0.72849	6.44771	0.4687327	11.11214	29.2965	24.73194	67.83487	10.46210564	Residential	8.54E-07	1	2.2E-02
Phase6	591114.99	4141564.85	1.14506	3.50185	0.80667	3.95216	0.320911352	11.75089	34.04327	24.36268	44.71552	7.808350814	Residential	5.84E-07	1	1.5E-02
Phase6	591114.99	4141464.85	1.23636	3.64756	0.87008	2.62913	0.241951664	12.42106	46.87115	24.26385	32.63054	6.785800783	Residential	4.41E-07	0	1.1E-02
Phase6	591114.99	4141364.85	1.36133	4.22472	1.01294	2.10884	0.220397539	13.20933	42.67178	24.24504	25.95926	5.859713157	Residential	4.01E-07	0	1.0E-02
Phase6	591114.99	4141264.85	1.50922	7.77738	1.2381	1.79779	0.249777343	14.1777	59.22967	24.36519	22.93458	6.089735631	Residential	4.55E-07	0	1.2E-02
Phase6	591114.99	4141164.85	1.67404	18.78047	1.36563	1.47621	0.367874573	15.28214	123.4496	24.33755	20.42294	7.987739202	Residential	6.70E-07	1	1.7E-02
offsite	591114.99	4141064.85	1.86965	19.78125	1.4766	1.2271	0.369120834	16.57912	150.9593	24.30119	18.18541	8.691393444	Residential	6.72E-07	1	1.7E-02
Phase3	591114.99	4140964.85	2.11418	6.83178	1.5636	1.0163	0.203531445	18.25341	62.29146	24.17984	16.39636	5.552899314	Residential	3.71E-07	0	9.4E-03
Phase3	591114.99	4140864.85	2.43378	4.36393	1.63267	0.8523	0.169235361	20.35117	41.48002	23.83373	15.17967	4.778678681	Residential	3.08E-07	0	7.8E-03
Phase2	591114.99	4140764.85	2.84587	3.18207	1.68264	0.71358	0.153312537	23.16064	31.79909	22.82948	14.00961	4.394344122	Residential	2.79E-07	0	7.1E-03
Phase2	591114.99	4140664.85	3.41815	2.48703	1.72387	0.60065	0.147286418	27.14796	26.48104	22.04203	12.46722	4.165471472	Residential	2.68E-07	0	6.8E-03
Phase2	591114.99	4140564.85	4.33128	2.05703	1.75025	0.50732	0.15078603	33.78417	23.07512	22.13263	10.87849	4.128596889	Residential	2.75E-07	0	7.0E-03
Phase2	591114.99	4140464.85	6.05135	1.79906	1.75078	0.44193	0.170280592	48.98895	20.55421	22.21257	10.41603	4.606924842	Residential	3.10E-07	0	7.9E-03
Phase1	591114.99	4140364.85	10.60583	1.54732	1.7516	0.38113	0.234192785	85.34162	18.43754	22.21679	10.02159	5.963686137	Residential	4.26E-07	0	1.1E-02
park	591214.99	4142664.85	0.43708	0.55563	0.27859	1.32421	0.100969468	8.77447	11.89454	25.01107	18.61683	3.767990621	Parks/Paths	1.84E-07	0	4.7E-03
park	591214.99	4142564.85	0.46847	0.62307	0.29407	1.56103	0.117389773	8.8517	12.13402	24.49342	20.22981	3.96134661	Parks/Paths	2.14E-07	0	5.4E-03
park	591214.99	4142464.85	0.50545	0.70615	0.31266	1.865	0.138352799	8.97137	12.45451	24.50849	24.42035	4.490138313	Parks/Paths	2.52E-07	0	6.4E-03
path	591214.99	4142064.85	0.70819	1.20518	0.42171	4.89646	0.339667247	9.7845	14.23318	23.49568	56.52876	8.481708893	Parks/Paths	6.18E-07	1	1.6E-02
path	591214.99	4141964.85	0.77813	1.37587	0.46258	7.6913	0.519024725	10.22718	15.25377	23.2208	102.68431	14.17301135	Parks/Paths	9.45E-07	1	2.4E-02
Phase6	591214.99	4141764.85	0.94665	1.83769	0.56735	11.89844	0.793146989	11.22828	17.88289	22.1797	130.30826	17.65134076	Residential	1.44E-06	1	3.7E-02
Phase6	591214.99	4141664.85	1.04976	2.15145	0.63562	5.24155	0.381410981	11.83171	20.94164	22.18646	62.82442	9.522462505	Residential	6.95E-07	1	1.8E-02
Phase6	591214.99	4141564.85	1.17262	2.31311	0.66197	3.29942	0.263680354	12.49707	25.48346	22.11748	38.25499	6.694284553	Residential	4.80E-07	0	1.2E-02
Phase6	591214.99	4141464.85	1.28403	2.54196	0.73228	2.40911	0.213332827	13.23165	29.24021	22.08306	29.32321	5.756746867	Residential	3.88E-07	0	9.9E-03
Phase6	591214.99	4141364.85	1.43182	2.95685	0.84446	1.98874	0.195971057	14.10728	35.14656	22.07406	24.10944	5.352916491	Residential	3.57E-07	0	9.1E-03
offsite	591214.99	4141264.85	1.61037	3.83074	0.98056	1.71331	0.194137515	15.16046	33.5508	22.10354	21.48192	5.021370649	Residential	3.54E-07	0	9.0E-03
Phase6	591214.99	4141164.85	1.78845	5.16182	1.09896	1.42123	0.196541342	16.38887	42.49027	22.02654	19.35872	5.110072684	Residential	3.58E-07	0	9.1E-03
Phase7	591214.99	4141064.85	1.99903	8.32525	1.21237	1.18129	0.224931733	17.90114	63.65327	21.81821	17.54024	5.65510216	Residential	4.10E-07	0	1.0E-02
Phase7	591214.99	4140964.85	2.26451	27.35204	1.29265	1.00573	0.450618698	19.75908	169.85452	21.22879	15.74904	9.068209964	Residential	8.21E-07	1	2.1E-02
offsite	591214.99	4140864.85	2.63435	14.61979	1.35719	0.85548	0.293080762	22.55524	114.91405	20.1353	14.65905	7.167345935	Residential	5.34E-07	1	1.4E-02
Phase2	591214.99	4140764.85	3.14902	6.19548	1.40594	0.72466	0.191159923	26.47262	55.58062	20.01095	13.69821	5.208398555	Residential	3.48E-07	0	8.8E-03
Phase2	591214.99	4140664.85	3.8865	4.06175	1.44658	0.61774	0.170574923	32.11826	39.53579	19.95495	12.66123	4.769155546	Residential	3.11E-07	0	7.9E-03
Phase2	591214.99	4140564.85	5.15068	2.98274	1.47605	0.52839	0.171934999	41.28389	31.44642	19.74249	11.20275	4.684419083	Residential	3.13E-07	0	8.0E-03
Phase1	591214.99	4140464.85	7.92341	2.47062	1.48368	0.46209	0.204748956	64.68833	26.1711	20.05467	10.37289	5.364865819	Residential	3.73E-07	0	9.5E-03
Phase1	591214.99	4140364.85	23.17206	2.03861	1.48816	0.40133	0.432723554	185.01596	22.50868	20.13971	10.00677	10.08531655	Residential	7.88E-07	1	2.0E-02
offsite	591214.99	4139664.85	1.16475	0.70079	1.24467	0.18078	0.056888933	20.34938	12.59817	20.11723	8.70215	2.905084025	Residential	1.04E-07	0	2.6E-03
park	591239.54	4140294.63	16.30636	1.94141	1.43171	0.36951	0.32198626	189.94513	21.75846	19.71571	9.77967	10.21999907	Parks/Paths	5.86E-07	1	1.5E-02
park	591314.99	4142564.85	0.45253	0.55696	0.27837	1.52522	0.113850009	9.05947	11.52645	23.07717	23.6443	4.325548813	Parks/Paths	2.07E-07	0	5.3E-03
park	591314.99	4142464.85	0.48801	0.62114	0.29435	1.83854	0.135107619	9.16738	11.73017	22.75816	28.08328	4.870529624	Parks/Paths	2.46E-07	0	6.2E-03
path	591314.99	4141964.85	0.76973	1.13482	0.42424	8.19204	0.546837363	10.82873	13.39388	20.81617	116.93074	15.80733214	Parks/Paths	9.96E-07	1	2.5E-02
path	591314.99	4141764.85	0.95391	1.46045	0.50937	10.84487	0.721605561	11.9047	14.78016	20.47453	121.80677	16.48422821	Parks/Paths	1.31E-06	1	3.3E-02
Phase6	591314.99	4141664.85	1.06621	1.66404	0.56196	4.76343	0.344584681	12.54664	17.71035	20.47689	58.27145	8.83555192	Residential	6.27E-07	1	1.6E-02

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Million (Residential 30-yr; school and p: Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
Phase6	591314.99	4141564.85	1.20761	1.8151	0.59776	3.18046	0.249719558	13.28221	20.34939	20.44583	35.08144	6.11607034	Residential	4.55E-07	0	1.2E-02
Phase6	591314.99	4141464.85	1.3533	1.9889	0.64211	2.33442	0.201622037	14.09663	21.68717	20.40892	26.7603	5.175004036	Residential	3.67E-07	0	9.3E-03
Phase6	591314.99	4141364.85	1.50468	2.21293	0.71658	1.87894	0.179216622	15.06395	25.47559	20.33533	22.55905	4.825605082	Residential	3.26E-07	0	8.3E-03
Phase6	591314.99	4141264.85	1.69667	2.59916	0.81404	1.60556	0.171203643	16.23151	28.18914	20.21859	20.25624	4.679168054	Residential	3.12E-07	0	7.9E-03
Phase7	591314.99	4141164.85	1.89602	3.09844	0.90343	1.36353	0.16652659	17.62564	28.46636	19.84368	18.40578	4.507709799	Residential	3.03E-07	0	7.7E-03
Phase7	591314.99	4141064.85	2.146	3.95471	0.99183	1.171	0.170072043	19.61183	34.45392	18.97907	16.8642	4.575895075	Residential	3.10E-07	0	7.9E-03
Phase7	591314.99	4140964.85	2.45173	5.59429	1.08313	0.99422	0.185042621	22.1268	44.58863	18.4015	15.22083	4.801086467	Residential	3.37E-07	0	8.6E-03
Phase7	591314.99	4140864.85	2.88507	9.7966	1.14385	0.84673	0.234535228	25.39815	69.4697	18.39688	14.16049	5.641405575	Residential	4.27E-07	0	1.1E-02
offsite	591314.99	4140664.85	4.5256	11.49012	1.22952	0.63333	0.268519619	36.94566	93.14214	18.07936	12.51869	6.696790897	Residential	4.89E-07	0	1.2E-02
Phase2	591314.99	4140564.85	6.40934	5.70871	1.2567	0.54948	0.222636582	53.9204	50.12857	17.37126	11.56052	5.80048164	Residential	4.05E-07	0	1.0E-02
Phase1	591314.99	4140464.85	11.95194	3.88336	1.27398	0.47854	0.282382575	101.98174	37.60079	18.05018	10.34112	7.201166255	Residential	5.14E-07	1	1.3E-02
park	591314.99	4140264.85	7.01339	2.35123	1.28257	0.36835	0.180210553	90.76643	26.05622	18.50623	9.6683	6.288296616	Parks/Paths	3.28E-07	0	8.3E-03
offsite	591314.99	4139664.85	1.15118	0.85587	1.10775	0.19262	0.057227542	19.13894	13.67039	18.52348	8.4793	2.818002086	Residential	1.04E-07	0	2.6E-03
offsite	591314.99	4139564.85	0.9423	0.72519	1.04595	0.17611	0.050416224	17.8825	13.15981	18.50238	8.39272	2.738588343	Residential	9.18E-08	0	2.3E-03
offsite	591314.99	4139464.85	0.77727	0.6101	0.97345	0.16178	0.044450343	16.61889	12.72041	18.51087	8.35787	2.668475998	Residential	8.09E-08	0	2.1E-03
offsite	591314.99	4139364.85	0.64672	0.51114	0.89203	0.14918	0.039189622	15.66246	12.34347	18.50124	8.34464	2.615052634	Residential	7.14E-08	0	1.8E-03
offsite	591314.99	4139264.85	0.54312	0.42586	0.80528	0.13817	0.034532989	14.87982	12.02088	19.16541	8.34266	2.591656597	Residential	6.29E-08	0	1.6E-03
park	591338.72	4140348.36	15.23493	3.13636	1.24076	0.41353	0.319730644	178.59156	32.20878	18.01993	9.91372	10.07733108	Parks/Paths	5.82E-07	1	1.5E-02
school	591414.99	4142564.85	0.43534	0.5034	0.26428	1.47438	0.109523694	9.25925	10.87941	21.54791	26.69988	4.640871317	School	1.99E-07	0	5.1E-03
school	591414.99	4142464.85	0.4703	0.55487	0.27885	1.79579	0.131105465	9.39863	11.08811	21.29988	30.62833	5.126917315	School	2.39E-07	0	6.1E-03
offsite	591414.99	4141764.85	0.95457	1.20143	0.46106	9.87243	0.656642704	12.55534	13.42	19.1668	111.78924	15.20088714	Residential	1.20E-06	1	3.0E-02
path	591414.99	4141664.85	1.07909	1.3475	0.50303	4.52183	0.324862871	13.2328	14.93844	19.13723	52.80165	8.061611475	Parks/Paths	5.92E-07	1	1.5E-02
path	591414.99	4141564.85	1.22316	1.50744	0.55182	2.99672	0.233979382	14.02629	16.03722	19.10804	31.93649	5.577141573	Parks/Paths	4.26E-07	0	1.1E-02
Phase6	591414.99	4141464.85	1.40818	1.65085	0.60045	2.29591	0.195312016	14.95597	18.7263	19.00331	25.25729	4.885131062	Residential	3.56E-07	0	9.0E-03
Phase6	591414.99	4141364.85	1.5985	1.76918	0.62632	1.82254	0.170364221	16.02498	17.96279	18.73942	21.29515	4.410342832	Residential	3.10E-07	0	7.9E-03
Phase6	591414.99	4141264.85	1.80232	1.98047	0.69434	1.5317	0.158863669	17.43349	22.27048	18.17783	19.21126	4.341074511	Residential	2.89E-07	0	7.3E-03
Phase8	591414.99	4141164.85	2.00741	2.22262	0.76248	1.29964	0.151452548	19.16455	23.63063	17.29927	17.55935	4.229260973	Residential	2.76E-07	0	7.0E-03
Phase7	591414.99	4141064.85	2.28787	2.62617	0.83696	1.12853	0.151100647	21.32154	24.46958	17.0848	16.2153	4.174348361	Residential	2.75E-07	0	7.0E-03
Phase7	591414.99	4140964.85	2.6704	3.32124	0.91155	0.98353	0.157521875	24.13423	28.9075	17.08878	14.90545	4.2777732	Residential	2.87E-07	0	7.3E-03
park	591414.99	4140364.85	10.16199	5.24119	1.11718	0.43338	0.265857668	129.39074	46.6634	16.66524	9.93467	8.528772149	Parks/Paths	4.84E-07	0	1.2E-02
park	591414.99	4140264.85	5.01111	3.63885	1.1209	0.38354	0.163249337	70.40972	35.89486	17.05829	9.61651	5.743995809	Parks/Paths	2.97E-07	0	7.5E-03
offsite	591414.99	4139764.85	1.35556	1.27722	1.03434	0.224	0.066383557	23.36207	18.50619	17.23881	8.45996	3.112180116	Residential	1.21E-07	0	3.1E-03
offsite	591414.99	4139664.85	1.12566	1.07344	0.99556	0.20406	0.058490905	20.05199	16.87026	17.24369	8.40248	2.915826384	Residential	1.07E-07	0	2.7E-03
offsite	591414.99	4139564.85	0.93975	0.89937	0.94841	0.18675	0.051681236	17.51915	15.43207	17.23014	8.3575	2.758676632	Residential	9.41E-08	0	2.4E-03
offsite	591414.99	4139464.85	0.78827	0.7492	0.89294	0.17161	0.04570719	16.36762	14.12664	17.23222	8.32075	2.663549468	Residential	8.32E-08	0	2.1E-03
offsite	591414.99	4139364.85	0.66498	0.6197	0.82988	0.15833	0.040424131	15.21261	13.14542	17.22206	8.28986	2.579549899	Residential	7.36E-08	0	1.9E-03
offsite	591414.99	4139264.85	0.56472	0.50931	0.76134	0.14667	0.035749876	14.40256	12.75642	17.21285	8.26355	2.530076558	Residential	6.51E-08	0	1.7E-03
school	591514.99	4142364.85	0.48972	0.54975	0.27975	2.17454	0.155152049	10.05628	10.76451	19.20258	37.46987	5.918259445	School	2.83E-07	0	7.2E-03
offsite	591514.99	4141764.85	0.94674	1.01281	0.41987	8.89615	0.592270923	13.1436	12.40661	18.08965	100.84872	13.82052095	Residential	1.08E-06	1	2.7E-02
offsite	591514.99	4141664.85	1.0852	1.12384	0.4547	4.33521	0.309780216	13.87507	12.90576	18.02797	46.76314	7.247944799	Residential	5.64E-07	1	1.4E-02
path	591514.99	4141564.85	1.24921	1.24503	0.49445	2.89147	0.223709791	14.7284	14.23684	17.87857	33.49285	5.699414224	Parks/Paths	4.07E-07	0	1.0E-02
path	591514.99	4141464.85	1.43831	1.37437	0.53842	2.18089	0.184250183	15.81862	15.81251	17.49414	25.2099	4.77203147	Parks/Paths	3.35E-07	0	8.5E-03
Phase6	591514.99	4141364.85	1.65362	1.51507	0.58757	1.75846	0.163516542	17.11532	16.51461	16.72397	20.43508	4.241531711	Residential	2.98E-07	0	7.6E-03
Phase8	591514.99	4141264.85	1.92628	1.60479	0.60809	1.49117	0.152365303	18.6905	16.1404	16.13712	18.32215	4.017172227	Residential	2.77E-07	0	7.0E-03
Phase8	591514.99	4141164.85	2.17632	1.75849	0.65896	1.26282	0.144547865	20.57274	19.66095	16.03111	16.83581	4.027122513	Residential	2.63E-07	0	6.7E-03
Phase8	591514.99	4141064.85	2.48738	1.99927	0.72001	1.09994	0.143005176	23.00342	20.64995	16.02068	15.63305	4.01164488	Residential	2.60E-07	0	6.6E-03
Phase8	591514.99	4140964.85	2.93086	2.36148	0.78188	0.96874	0.146999643	26.29713	21.21262	15.95522	14.5292	4.0273508	Residential	2.68E-07	0	6.8E-03
offsite	591514.99	4140464.85	23.00159	12.36009	0.9702	50.0163	0.554017996	243.55047	88.84668	15.06368	10.76601	14.63869746	Residential	1.01E-06	1	2.6E-02
offsite	591514.99	4139864.85	1.53517	2.07866	0.95386	0.25939	0.079921115	26.99242	25.34809	16.21299	8.4632	3.46015684	Residential	1.46E-07	0	3.7E-03
offsite	591514.99	4139764.85	1.2927	1.69431	0.93071	0.23578	0.069644241	22.02969	22.68506	16.20393	8.40091	3.161132352	Residential	1.27E-07	0	3.2E-03
offsite	591514.99	4139664.85	1.09422	1.39509	0.90128	0.21518	0.061179893	19.97767	20.62091	16.21329	8.3524	3.002680746	Residential	1.11E-07	0	2.8E-03
offsite	591514.99	4139564.85	0.92906	1.15069	0.86515	0.19715	0.053959653	16.95905	18.92463	16.20057	8.31407	2.817957667	Residential	9.83E-08	0	2.5E-03
offsite	591514.99	4139464.85	0.79124	0.9454	0.82219	0.18135	0.047676215	16.0937	17.47433	16.2069	8.28657	2.730832008	Residential	8.68E-08	0	2.2E-03
offsite	591514.99	4139364.85	0.67631	0.77039	0.77279	0.16746	0.042138869	15.25803	16.19399	16.19192	8.26766	2.651057248	Residential	7.67E-08	0	1.9E-03
offsite	591514.99	4139264.85	0.58071	0.62326	0.71833	0.15515	0.03726334	14.44075	15.02801	16.19595	8.25112	2.576725504	Residential	6.79E-08	0	1.7E-03
offsite	591614.99	4141764.85	0.93087	0.87059	0.38602	8.23527	0.548263612	13.75825	11.62333	17.15863	91.09072	12.59793605	Residential	9.98E-07	1	2.5E-02
offsite	591614.99	4141664.85	1.08096	0.95736	0.41452	4.16423	0.296338368	14.5986	11.98119	16.88861	47.37929	7.288172146	Residential	5.40E-07	1	1.4E-02
offsite	591614.99	4141564.85	1.26552	1.0519	0.44698	2.80567	0.21550356	15.58833	12.72615	16.36426	33.48658	5.638304388	Residential	3.92E-07	0	1.0E-02
offsite	591614.99	4141464.85	1.48896	1.15358	0.48394	2.12615	0.178085989	16.78498	13.12667	15.52759	26.5123	4.822542218	Residential	3.24E-07	0	8.2E-03
path	591614.99	4141364.85	1.74873	1.26256	0.52339	1.71179	0.158017171	18.14483	14.79707	15.20694	21.16954	4.270893582	Parks/Paths	2.88E-07	0	7.3E-03
path	591614.99	4141264.85	2.04575	1.3824	0.5668	1.43326	0.147252416	19.82947	14.3478	15.21677	17.81641	3.914219365	Parks/Paths	2.68E-07	0	6.8E-03
Phase8	591614.99	4141164.85	2.41135	1.47015	0.58384	1.24365	0.142348636	21.98653	15.24073	15.17111	16.20898	3.833853993	Residential	2.59E-07	0	6.6E-03
Phase8	591614.99	4141064.85	2.77018	1.61525	0.62915	1.07891	0.14002887	24.70469	17.66254	15.1018	15.10704	3.888877593	Residential	2.55E-07	0	6.5E-03
Phase8	591614.99	4140964.85	3.22185	1.88896	0.70156	0.94126	0.142829367	29.86837	18.57728	14.84798	14.1547	4.005375519	Residential	2.60E-07	0	6.6E-03
offsite	591614.99	4140464.85	8.99222	4.91637	0.85639	0.51102	0.24464401	113.95739	40.10461	14.20467	10.70109	7.702950742	Residential	4.45E-07	0	1.1E-02
offsite	591614.99	4140364.85	4.74091	7.39036	0.87045	0.45593	0.205412191	62.21301	56.25728	14.21264	10.11663	6.074155537	Residential	3.74E-07	0	9.5E-03
offsite	591614.99	4140264.85	3.27877	16.76869	0.87883	0.408	0.293848376	49.20627	110.22987	14.2154	9.27771	7.259843798	Residential	5.35E-07	1	1.4E-02
offsite	591614.99	4139864.85	1.43873	3.16151	0.86041	0.27092	0.09089469	24.99283	33.21954	15.34169	8.40122	3.610726687	Residential	1.66E-07	0	4.2E-03
offsite	591614.99	4139764.85	1.23161	2.42195	0.84349	0.24685	0.076913495	22.33837	28.28947	15.37353	8.34262	3.330787547	Residential	1.40E-07	0	3.6E-03
offsite	591614.99	4139664.85	1.05911	1.91649	0.8211	0.22577	0.06642177	19.33035	24.97217	15.37912	8.30134	3.092117141	Residential	1.21E-07	0	3.1E-03
offsite	591614.99	4139564.85	0.91279	1.53877	0.79317	0.20724	0.057966281	17.0348	22.56741	15.38122	8.26991	2.914190624	Residential	1.06E-07	0	2.7E-03
offsite	591614.99	4139464.85	0.78804	1.23903	0.75968	0.19088	0.050846117	15.68428	20.71134	15.37648	8.24608	2.793832708	Residential	9.26E-08	0	2.4E-03
offsite	591614.99	4139364.85	0.68183	0.99236	0.72077	0.17643	0.04469707	14.43265	19.19674	15.3763	8.23045	2.690119174	Residential	8.14E-08	0	2.1E-03
offsite	591614.99	4139264.85	0.59171	0.78804	0.67717	0.16358	0.039342324	13.34494	17.9077	15.37066	8.22022	2.601153283	Residential	7.16E-08	0	1.8E-03
offsite	591714.99	4141764.85	0.90345	0.75988	0.35743	7.65166	0.509394045	14.41927	10.86984	16.07676	81.88394	11.44125235	Residential	9.28E-07	1	2.4E-02
offsite	591714.99	4141664.85	1.06338	0.82989	0.38136	4.01421	0.28458695	15.27307	11.16071	15.36666	47.25985	7.228689683	Residential	5.18E-07	1	1.3E-02
offsite	591714.99	4141564.85	1.26791	0.9057	0.40833	2.735	0.208736155	16.27346	11.50889	14.76294	33.0891	5.529555659	Residential	3.80E-07	0	9.7E-03
offsite	591714.99	4141464.85	1.52608	0.98666	0.43818	2.07743	0.172877256	17.4354	11.91514	14.57141	26.8659	4.823394323	Residential	3.15E-07	0	8.0E-03
offsite	591714.99	4141364.85	1.84668	1.07392	0.47158	1.67756	0.154308027	19.26665	12.95785	14.50172	22.18549	4.358161757	Residential	2.81E-07	0	7.1E-03
path	591714.99	4141264.85	2.22829	1.16753	0.50742	1.40489	0.144792035	21.54954	13.40926	14.50109	18.42673	4.006156652	Parks/Paths	2.64E-07	0	6.7E-03

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Million (Residential 30-yr; school and p: Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
path	591714.99	4141164.85	2.66681	1.27196	0.54513	1.20456	0.140864909	23.6326	13.64231	14.40325	15.90021	3.786599274	Parks/Paths	2.56E-07	0	6.5E-03
Phase8	591714.99	4141064.85	3.19908	1.38521	0.58128	1.06006	0.141985576	28.62522	14.43697	14.1667	14.63881	3.854803673	Residential	2.59E-07	0	6.6E-03
offsite	591714.99	4140564.85	20.60653	2.56829	0.74286	0.57836	0.399092541	213.19756	22.72021	13.27939	10.97691	11.15423068	Residential	7.27E-07	1	1.8E-02
offsite	591714.99	4140464.85	6.12762	3.08179	0.76224	0.51772	0.176807332	79.69852	27.18449	13.44866	10.56295	5.837948015	Residential	3.22E-07	0	8.2E-03
school	591714.99	4140364.85	3.83186	3.85794	0.777	0.46448	0.147447117	50.3999	33.2871	13.48311	10.13602	4.802406792	School	2.68E-07	0	6.8E-03
offsite	591714.99	4140264.85	2.82611	5.19026	0.78669	0.41774	0.145229217	42.70107	42.6441	13.50144	9.57644	4.736764527	Residential	2.64E-07	0	6.7E-03
offsite	591714.99	4140164.85	2.24447	8.13208	0.7917	0.37675	0.169464373	37.47483	61.30628	13.49154	8.7595	5.052365463	Residential	3.09E-07	0	7.8E-03
offsite	591714.99	4140064.85	1.85647	22.45531	0.79225	0.34083	0.335360302	27.52084	142.62507	13.92389	8.55006	7.371941198	Residential	6.11E-07	1	1.6E-02
offsite	591714.99	4139964.85	1.57357	16.58277	0.78854	0.30934	0.257517701	24.35482	121.22777	14.36463	8.44759	6.523667495	Residential	4.69E-07	0	1.2E-02
offsite	591714.99	4139864.85	1.35366	6.43512	0.78078	0.28167	0.128846093	22.98238	54.64903	14.57379	8.36705	4.223574357	Residential	2.35E-07	0	6.0E-03
offsite	591714.99	4139764.85	1.17435	4.04946	0.76862	0.25735	0.095336723	21.90096	39.57736	14.66602	8.30906	3.668049818	Residential	1.74E-07	0	4.4E-03
offsite	591714.99	4139664.85	1.02304	2.9109	0.75187	0.23589	0.077537471	18.37446	32.15594	14.70316	8.26471	3.270755616	Residential	1.41E-07	0	3.6E-03
offsite	591714.99	4139564.85	0.89289	2.21081	0.73037	0.21692	0.065483225	16.90401	27.66627	14.71323	8.23336	3.056410855	Residential	1.19E-07	0	3.0E-03
offsite	591714.99	4139464.85	0.78028	1.71625	0.7041	0.20016	0.056267227	13.85329	24.63253	14.71721	8.21648	2.828487593	Residential	1.02E-07	0	2.6E-03
offsite	591714.99	4139364.85	0.68262	1.33965	0.6733	0.18521	0.048762872	13.2449	22.4331	14.71707	8.19827	2.727531566	Residential	8.88E-08	0	2.3E-03
offsite	591714.99	4139264.85	0.59834	1.03883	0.63829	0.17188	0.042425768	12.8875	20.74173	14.71415	8.18928	2.654911989	Residential	7.73E-08	0	2.0E-03
offsite	591814.99	4141764.85	0.86186	0.67106	0.33248	7.08859	0.47191609	15.0696	9.95788	14.44611	77.77475	10.88638416	Residential	8.59E-07	1	2.2E-02
offsite	591814.99	4141664.85	1.02682	0.72892	0.35305	3.86131	0.27275557	16.1052	10.22909	14.30781	46.55883	7.114297976	Residential	4.97E-07	0	1.3E-02
offsite	591814.99	4141564.85	1.24671	0.7911	0.37589	2.66585	0.202176235	17.28019	10.53492	14.07938	33.82335	5.607439598	Residential	3.68E-07	0	9.3E-03
offsite	591814.99	4141464.85	1.54168	0.85783	0.40162	2.03928	0.168601051	18.67455	11.00301	13.95194	26.86756	4.82504604	Residential	3.07E-07	0	7.8E-03
offsite	591814.99	4141364.85	1.93109	0.92809	0.42908	1.64892	0.151401648	20.32717	11.29255	13.93523	22.73197	4.39542459	Residential	2.76E-07	0	7.0E-03
offsite	591814.99	4141264.85	2.43307	1.00347	0.45869	1.38136	0.143760993	23.35135	12.30042	13.83844	19.24624	4.122831326	Residential	2.62E-07	0	6.6E-03
path	591814.99	4141164.85	3.0559	1.08506	0.49041	1.18586	0.142632884	27.91358	12.27824	13.60655	16.41956	3.954697064	Parks/Paths	2.60E-07	0	6.6E-03
path	591814.99	4141064.85	3.8012	1.17767	0.52298	1.03394	0.14629271	33.8846	12.87367	13.12828	14.42144	3.958698546	Parks/Paths	2.66E-07	0	6.8E-03
offsite	591814.99	4140564.85	9.4551	1.95592	0.66472	0.58146	0.217350982	109.86191	18.23908	12.41786	10.77543	6.757468175	Residential	3.96E-07	0	1.0E-02
school	591814.99	4140464.85	4.73376	2.24204	0.68332	0.5231	0.144073021	63.30257	20.74455	12.74636	10.40808	4.915897374	School	2.62E-07	0	6.7E-03
school	591814.99	4140364.85	3.24674	2.62557	0.69794	0.47159	0.122613505	46.03566	24.23499	12.86319	10.06093	4.293181232	School	2.23E-07	0	5.7E-03
offsite	591814.99	4140264.85	2.49585	3.17043	0.70848	0.42609	0.114871451	37.76682	28.76	12.887	9.66571	4.062046979	Residential	2.09E-07	0	5.3E-03
offsite	591814.99	4140164.85	2.03195	4.01292	0.71495	0.38591	0.115481091	33.69177	35.05451	12.89641	9.12111	4.042057248	Residential	2.10E-07	0	5.3E-03
offsite	591814.99	4140064.85	1.7098	5.51217	0.71776	0.35051	0.126524686	24.47175	45.22593	12.89246	8.54634	3.9395423	Residential	2.30E-07	0	5.9E-03
offsite	591814.99	4139964.85	1.46868	9.07621	0.71683	0.31927	0.164140417	20.88902	67.3423	13.33172	8.44875	4.539313444	Residential	2.99E-07	0	7.6E-03
offsite	591814.99	4139864.85	1.27798	34.79027	0.71231	0.29161	0.472059679	21.03101	211.70809	13.78482	8.36046	9.40606427	Residential	8.60E-07	1	2.2E-02
offsite	591814.99	4139764.85	1.12084	12.69136	0.70395	0.26713	0.199224639	21.02052	94.23151	14.01478	8.29391	5.450676622	Residential	3.63E-07	0	9.2E-03
offsite	591814.99	4139664.85	0.98716	5.72185	0.69151	0.24547	0.110846522	17.47245	50.77516	14.11964	8.25181	3.84204627	Residential	2.02E-07	0	5.1E-03
offsite	591814.99	4139564.85	0.871	3.67466	0.67503	0.22621	0.082686677	16.55153	37.87543	14.1651	8.21995	3.367958616	Residential	1.51E-07	0	3.8E-03
offsite	591814.99	4139464.85	0.76921	2.61971	0.65448	0.20906	0.066886752	14.55211	31.21282	14.18187	8.20192	3.060832517	Residential	1.22E-07	0	3.1E-03
offsite	591814.99	4139364.85	0.67963	1.94782	0.63011	0.19369	0.055988471	12.56613	27.11176	14.18916	8.17522	2.839119902	Residential	1.02E-07	0	2.6E-03
offsite	591814.99	4139264.85	0.6013	1.45642	0.60184	0.18	0.047506115	12.31763	24.32049	14.18852	8.16575	2.733914344	Residential	8.65E-08	0	2.2E-03
offsite	591914.99	4141764.85	0.80764	0.5994	0.31123	6.61805	0.440319542	16.74809	9.14196	13.96192	74.28355	10.48573701	Residential	8.02E-07	1	2.0E-02
offsite	591914.99	4141664.85	0.96928	0.64742	0.32868	3.70791	0.260863351	18.12913	9.31226	13.66934	46.19481	7.102360593	Residential	4.75E-07	0	1.2E-02
offsite	591914.99	4141564.85	1.19401	0.69907	0.34811	2.59335	0.195261581	19.78661	9.51725	13.475	34.17149	5.699831847	Residential	3.56E-07	0	9.0E-03
offsite	591914.99	4141464.85	1.51405	0.75458	0.37014	1.99727	0.163798763	21.79795	10.1237	13.47665	26.60314	4.875988783	Residential	2.98E-07	0	7.6E-03
offsite	591914.99	4141364.85	1.97263	0.8127	0.39335	1.62046	0.148313349	24.26546	10.061	13.38953	22.81937	4.508581455	Residential	2.70E-07	0	6.9E-03
offsite	591914.99	4141264.85	2.62933	0.87441	0.41826	1.3598	0.143273003	27.39548	11.06267	13.14479	19.77834	4.29014556	Residential	2.61E-07	0	6.6E-03
offsite	591914.99	4141164.85	3.55466	0.94075	0.44527	1.16866	0.146862899	32.75935	11.41371	12.72463	17.10612	4.180498208	Residential	2.67E-07	0	6.8E-03
offsite	591914.99	4141064.85	4.8395	1.01346	0.4731	1.02082	0.158849941	38.09111	11.31382	12.33912	14.88323	4.110362444	Residential	2.89E-07	0	7.3E-03
path	591914.99	4140964.85	6.70037	1.09475	0.501	0.90194	0.181713662	57.68975	11.89518	11.5919	13.27395	4.706936081	Parks/Paths	3.31E-07	0	8.4E-03
path	591914.99	4140864.85	10.21216	1.1869	0.52859	0.8037	0.231658044	101.5929	12.5899	11.59672	12.43141	6.410099167	Parks/Paths	4.22E-07	0	1.1E-02
offsite	591914.99	4140664.85	19.31667	1.41957	0.5778	0.64716	0.366892769	238.36002	14.80757	11.58543	10.99223	11.86186578	Residential	6.68E-07	1	1.7E-02
offsite	591914.99	4140564.85	6.27013	1.56954	0.59874	0.58357	0.162285562	77.00926	15.6518	11.57716	10.59066	5.289118971	Residential	2.96E-07	0	7.5E-03
offsite	591914.99	4140464.85	3.84567	1.75175	0.61629	0.52728	0.123553569	49.76731	17.05219	12.06002	10.25039	4.20259787	Residential	2.25E-07	0	5.7E-03
school	591914.99	4140364.85	2.81788	1.9806	0.63089	0.47754	0.107460818	39.56552	19.17819	12.29479	9.95406	3.830525293	School	1.96E-07	0	5.0E-03
park	591914.99	4140264.85	2.23739	2.27644	0.64187	0.43332	0.099425875	34.4267	21.99086	12.37556	9.65475	3.682266195	Parks/Paths	1.81E-07	0	4.6E-03
offsite	591914.99	4140164.85	1.85805	2.677	0.6494	0.39405	0.096048943	30.61911	25.52691	12.39583	9.28464	3.60197058	Residential	1.75E-07	0	4.4E-03
offsite	591914.99	4140064.85	1.58538	3.25463	0.65374	0.35921	0.0967128	22.48779	30.11707	12.4042	8.75316	3.361488947	Residential	1.76E-07	0	4.5E-03
offsite	591914.99	4139964.85	1.37683	4.17326	0.6549	0.32826	0.10271584	19.93064	36.73169	12.40022	8.45999	3.444277043	Residential	1.87E-07	0	4.8E-03
offsite	591914.99	4139864.85	1.20984	5.86384	0.65286	0.30075	0.118919346	19.21822	48.02438	12.8527	8.37433	3.798186087	Residential	2.17E-07	0	5.5E-03
offsite	591914.99	4139764.85	1.07101	10.27715	0.64742	0.27628	0.168808858	19.89416	75.08323	13.31819	8.31022	4.74208434	Residential	3.07E-07	0	7.8E-03
offsite	591914.99	4139664.85	0.95201	43.46165	0.63847	0.25446	0.568984329	17.91643	255.97374	13.56554	8.25993	10.75058145	Residential	1.04E-06	1	2.6E-02
offsite	591914.99	4139564.85	0.84788	10.14183	0.62598	0.23499	0.160776116	15.9139	79.69559	13.68404	8.22682	4.73621502	Residential	2.93E-07	0	7.4E-03
offsite	591914.99	4139464.85	0.7557	5.0528	0.61002	0.21756	0.096122292	14.7511	47.58704	13.73789	8.19805	3.606474828	Residential	1.75E-07	0	4.4E-03
offsite	591914.99	4139364.85	0.67377	3.25717	0.59064	0.20188	0.071734282	12.33426	36.40734	13.76202	8.17195	3.129609121	Residential	1.31E-07	0	3.3E-03
offsite	591914.99	4139264.85	0.6012	2.25767	0.5678	0.18786	0.057224585	11.73776	30.39788	13.772	8.1606	2.902049046	Residential	1.04E-07	0	2.6E-03
offsite	592014.99	4141764.85	0.74252	0.54016	0.29245	6.15151	0.408993436	17.66715	8.40789	13.34702	70.99747	10.078269	Residential	7.45E-07	1	1.9E-02
offsite	592014.99	4141664.85	0.89254	0.58071	0.30759	3.55185	0.248735324	19.39815	8.54522	13.11876	45.85905	7.07084617	Residential	4.53E-07	0	1.2E-02
offsite	592014.99	4141564.85	1.10752	0.6241	0.32427	2.51556	0.187756791	21.52957	8.71506	13.08358	34.12328	5.726229135	Residential	3.42E-07	0	8.7E-03
offsite	592014.99	4141464.85	1.43013	0.67085	0.34323	1.95079	0.158147668	24.34338	9.24534	13.02704	26.95696	4.9798883	Residential	2.88E-07	0	7.3E-03
offsite	592014.99	4141364.85	1.93297	0.71954	0.36303	1.58922	0.144141004	28.10062	9.61653	12.79188	22.69035	4.616036635	Residential	2.62E-07	0	6.7E-03
offsite	592014.99	4141264.85	2.75092	0.77096	0.38446	1.33745	0.141987098	33.46518	9.81219	12.40134	19.97354	4.496601489	Residential	2.59E-07	0	6.6E-03
offsite	592014.99	4141164.85	4.11581	0.82563	0.40723	1.15133	0.152517162	42.19442	10.63539	12.05739	17.61069	4.579584284	Residential	2.78E-07	0	7.1E-03
offsite	592014.99	4141064.85	6.52847	0.88458	0.4311	1.00763	0.182064069	60.05677	10.54722	11.27995	15.46971	5.017183045	Residential	3.32E-07	0	8.4E-03
offsite	592014.99	4140964.85	12.76484	0.94918	0.45533	0.89234	0.272893566	105.04643	10.57628	11.21825	13.68109	6.624360281	Residential	4.97E-07	0	1.3E-02
offsite	592014.99	4140764.85	12.78343	1.10228	0.5023	0.71616	0.264690015	187.67993	11.88555	11.21868	11.59399	9.768485927	Residential	4.82E-07	0	1.2E-02
offsite	592014.99	4140664.85	6.74011	1.19379	0.52261	0.64557	0.167758546	115.5969	13.18206	11.1787	10.85764	6.793862331	Residential	3.05E-07	0	7.8E-03
offsite	592014.99	4140564.85	4.4147	1.30222	0.54251	0.58472	0.129417929	62.01481	14.03085	11.17947	10.43912	4.595498753	Residential	2.36E-07	0	6.0E-03
offsite	592014.99	4140464.85	3.17466	1.4286	0.55932	0.53052	0.108533968	41.43951	14.87575	11.32149	10.11229	3.752634463	Residential	1.98E-07	0	5.0E-03
offsite	592014.99	4140364.85	2.46748	1.5799	0.57337	0.48236	0.096571641	35.89017	16.12615	11.7443	9.84083	3.548569738	Residential	1.76E-07	0	4.5E-03
offsite	592014.99	4140264.85	2.01827	1.76456	0.58427	0.43932	0.089297837	31.78638	17.91767	11.91127	9.58928	3.416344953	Residential	1.63E-07	0	4.1E-03
offsite	592014.99	4140164.85	1.70712	1.99763	0.5926	0.40103	0.085017635	28.09521	20.23379	11.96905	9.32471	3.31373398	Residential	1.55E-07	0	3.9E-03
offsite	592014.99	4140064.85	1.47516	2.30181	0.59825	0.36687	0.083051561	21.11356	23.08111	11.98935	8.9703	3.08329614	Residential	1.51E-07	0	3.8E-03

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Million (Residential 30-yr; school and p		
														Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592014.99	4139964.85	1.29418	2.71985	0.60098	0.33633	0.083445375	19.04928	26.62308	11.99152	8.47171	3.057738122	Residential	1.52E-07	0	3.9E-03
offsite	592014.99	4139864.85	1.14725	3.33216	0.60088	0.30904	0.086891899	17.64218	31.35597	11.99222	8.38748	3.149597793	Residential	1.58E-07	0	4.0E-03
offsite	592014.99	4139764.85	1.02396	4.32805	0.59775	0.28465	0.095506381	18.65739	38.43855	12.4688	8.32746	3.43581533	Residential	1.74E-07	0	4.4E-03
offsite	592014.99	4139664.85	0.91759	6.24955	0.59159	0.26274	0.11574922	17.86209	51.15797	12.94051	8.26658	3.837970101	Residential	2.11E-07	0	5.4E-03
offsite	592014.99	4139564.85	0.82396	11.92527	0.58226	0.24319	0.181942371	15.13244	85.39204	13.20335	8.24061	4.883778749	Residential	3.31E-07	0	8.4E-03
offsite	592014.99	4139464.85	0.74046	42.05746	0.56991	0.22558	0.545765536	14.57557	255.96593	13.33765	8.21128	10.6020231	Residential	9.94E-07	1	2.5E-02
offsite	592014.99	4139364.85	0.66558	8.38922	0.55453	0.2097	0.133956642	12.96688	69.03078	13.4013	8.18779	4.244565511	Residential	2.44E-07	0	6.2E-03
offsite	592014.99	4139264.85	0.59849	4.3609	0.53614	0.19539	0.082750312	11.17848	44.90882	13.43044	8.17036	3.358866149	Residential	1.51E-07	0	3.8E-03
offsite	592114.99	4141764.85	0.67207	0.49073	0.27587	5.67744	0.377264172	19.62275	7.86694	12.84033	68.10612	9.770858487	Residential	6.87E-07	1	1.7E-02
offsite	592114.99	4141664.85	0.80282	0.52523	0.28908	3.37869	0.235507097	22.10821	7.95874	12.79973	45.22068	7.0736914	Residential	4.29E-07	0	1.1E-02
offsite	592114.99	4141564.85	0.99307	0.56224	0.30366	2.42406	0.179164698	25.43109	8.11537	12.70852	33.83301	5.817955852	Residential	3.26E-07	0	8.3E-03
offsite	592114.99	4141464.85	1.28751	0.60191	0.32005	1.8941	0.151179442	29.98913	8.40802	12.50862	27.39001	5.218735308	Residential	2.75E-07	0	7.0E-03
offsite	592114.99	4141364.85	1.77863	0.64316	0.33711	1.55163	0.138058418	36.40381	9.13341	12.14613	22.50066	4.894785439	Residential	2.51E-07	0	6.4E-03
offsite	592114.99	4141264.85	2.68524	0.68653	0.35551	1.31106	0.137842033	45.89349	8.82866	11.84796	19.95215	4.949314181	Residential	2.51E-07	0	6.4E-03
offsite	592114.99	4141164.85	4.57472	0.7323	0.37503	1.13209	0.156816236	61.25015	9.75166	11.16882	17.85016	5.326851092	Residential	2.86E-07	0	7.3E-03
offsite	592114.99	4141064.85	9.34722	0.78106	0.39559	0.99336	0.223175066	104.35295	10.06975	10.91758	15.94018	6.846729772	Residential	4.06E-07	0	1.0E-02
path	592114.99	4140864.85	9.80963	0.89104	0.43764	0.78986	0.219553493	135.37433	10.21692	10.91637	12.72468	7.717886361	Parks/Paths	4.00E-07	0	1.0E-02
path	592114.99	4140764.85	5.87519	0.95409	0.45795	0.71185	0.154583586	123.2598	10.66553	10.90629	11.62512	7.106238387	Parks/Paths	2.81E-07	0	7.1E-03
offsite	592114.99	4140664.85	4.26929	1.02513	0.47629	0.6436	0.126481517	78.10092	11.38561	10.84667	10.86186	5.201625061	Residential	2.30E-07	0	5.8E-03
offsite	592114.99	4140564.85	3.30773	1.10665	0.49471	0.58501	0.109128537	51.50829	12.59088	10.86079	10.36182	4.101606222	Residential	1.99E-07	0	5.0E-03
offsite	592114.99	4140464.85	2.63399	1.19888	0.51036	0.53265	0.09672805	37.69116	13.41443	10.86863	10.00717	3.525104955	Residential	1.76E-07	0	4.5E-03
offsite	592114.99	4140364.85	2.16039	1.30576	0.52369	0.48598	0.087938259	32.87678	14.23113	11.16247	9.7371	3.332675057	Residential	1.60E-07	0	4.1E-03
offsite	592114.99	4140264.85	1.82132	1.43189	0.53498	0.4444	0.081762029	29.60928	15.34276	11.47605	9.51743	3.219728516	Residential	1.49E-07	0	3.8E-03
offsite	592114.99	4140164.85	1.5695	1.58312	0.5435	0.40699	0.077466839	26.0265	16.88532	11.59655	9.30511	3.103717854	Residential	1.41E-07	0	3.6E-03
offsite	592114.99	4140064.85	1.37403	1.76882	0.54984	0.3735	0.074679678	19.93559	18.82503	11.63955	9.05914	2.892837797	Residential	1.36E-07	0	3.5E-03
offsite	592114.99	4139964.85	1.21757	2.0046	0.55373	0.34343	0.073285376	18.25114	21.17327	11.65244	8.7059	2.860626976	Residential	1.33E-07	0	3.4E-03
offsite	592114.99	4139864.85	1.08843	2.31499	0.55511	0.31644	0.073378282	16.40851	23.99978	11.65376	8.42043	2.846040995	Residential	1.34E-07	0	3.4E-03
offsite	592114.99	4139764.85	0.97892	2.74604	0.55383	0.2922	0.075375855	17.40441	27.59609	11.65367	8.33641	2.9972285	Residential	1.37E-07	0	3.5E-03
offsite	592114.99	4139664.85	0.88376	3.3905	0.54981	0.2704	0.080303212	17.45342	32.5569	12.15721	8.28994	3.175255119	Residential	1.46E-07	0	3.7E-03
offsite	592114.99	4139564.85	0.79945	4.4693	0.54307	0.25076	0.090775238	14.7899	40.2451	12.63917	8.25437	3.335625502	Residential	1.65E-07	0	4.2E-03
offsite	592114.99	4139464.85	0.72375	6.67613	0.53365	0.23303	0.11517746	14.15473	54.82002	12.91365	8.22293	3.804544091	Residential	2.10E-07	0	5.3E-03
offsite	592114.99	4139364.85	0.6554	14.456	0.52148	0.21704	0.207530953	13.20658	100.6322	13.06262	8.20738	5.310277236	Residential	3.78E-07	0	9.6E-03
offsite	592114.99	4139264.85	0.59354	30.51097	0.50669	0.20252	0.400665067	11.24361	205.25518	13.1348	8.19126	8.751703231	Residential	7.30E-07	1	1.9E-02
offsite	592214.99	4141664.85	0.71066	0.47867	0.27277	3.14223	0.218406288	25.41219	7.64743	12.48078	44.44292	7.092862094	Residential	3.98E-07	0	1.0E-02
offsite	592214.99	4141564.85	0.86607	0.51033	0.28546	2.29838	0.16838796	28.85606	7.77304	12.25323	33.46579	5.887224951	Residential	3.07E-07	0	7.8E-03
offsite	592214.99	4141464.85	1.1066	0.54444	0.29985	1.81839	0.142606056	33.12009	7.95508	11.94997	27.53439	5.331904773	Residential	2.60E-07	0	6.6E-03
offsite	592214.99	4141364.85	1.51653	0.57971	0.31459	1.50249	0.129784455	39.51796	8.6059	11.68024	22.70738	5.015110892	Residential	2.36E-07	0	6.0E-03
offsite	592214.99	4141264.85	2.33382	0.61671	0.33053	1.27748	0.12904262	54.58682	8.53116	11.09144	19.83567	5.255859649	Residential	2.35E-07	0	6.0E-03
offsite	592214.99	4141164.85	4.41676	0.65545	0.34727	1.10815	0.151501226	90.16065	8.83575	10.74395	17.89302	6.462743313	Residential	2.76E-07	0	7.0E-03
offsite	592214.99	4141064.85	13.74871	0.69647	0.36516	0.97601	0.288997058	189.20208	9.49282	10.70203	16.20611	10.29889792	Residential	5.26E-07	1	1.3E-02
path	592214.99	4140764.85	4.03416	0.83839	0.42	0.70571	0.123603227	94.95206	9.86085	10.64288	11.95978	5.962916071	Parks/Paths	2.25E-07	0	5.7E-03
offsite	592214.99	4140664.85	3.18154	0.89405	0.43663	0.64033	0.107175055	62.60934	10.26024	10.5444	11.032	4.546652677	Residential	1.95E-07	0	5.0E-03
offsite	592214.99	4140564.85	2.6323	0.95723	0.45339	0.58385	0.09611419	43.23258	11.00794	10.58643	10.40009	3.708925933	Residential	1.75E-07	0	4.4E-03
offsite	592214.99	4140464.85	2.21776	1.02742	0.46807	0.53346	0.087582899	34.70615	12.10531	10.61062	9.96802	3.347480606	Residential	1.59E-07	0	4.1E-03
offsite	592214.99	4140364.85	1.89546	1.1068	0.4809	0.48846	0.080907345	30.37938	12.90483	10.61086	9.6691	3.162130286	Residential	1.47E-07	0	3.7E-03
offsite	592214.99	4140264.85	1.64244	1.19756	0.49179	0.4481	0.075708861	27.74962	13.68679	11.01958	9.44778	3.066573899	Residential	1.38E-07	0	3.5E-03
offsite	592214.99	4140164.85	1.44148	1.30273	0.50058	0.41175	0.07171467	24.29107	14.69477	11.24756	9.26318	2.944161165	Residential	1.31E-07	0	3.3E-03
offsite	592214.99	4140064.85	1.27898	1.42684	0.50737	0.379	0.068744265	18.92737	16.03126	11.33557	9.07684	2.751125197	Residential	1.25E-07	0	3.2E-03
offsite	592214.99	4139964.85	1.14491	1.57617	0.51208	0.3495	0.066694935	17.5428	17.68684	11.3669	8.83738	2.722242106	Residential	1.21E-07	0	3.1E-03
offsite	592214.99	4139864.85	1.03205	1.76046	0.5146	0.32292	0.065550514	15.41484	19.65424	11.37732	8.52388	2.663995029	Residential	1.19E-07	0	3.0E-03
offsite	592214.99	4139764.85	0.93513	1.9948	0.51474	0.29891	0.065387727	16.22151	21.96814	11.37884	8.42336	2.762368858	Residential	1.19E-07	0	3.0E-03
offsite	592214.99	4139664.85	0.85015	2.30622	0.51246	0.27727	0.066459929	16.81759	24.81481	11.39369	8.34301	2.872980156	Residential	1.21E-07	0	3.1E-03
offsite	592214.99	4139564.85	0.77432	2.74379	0.50776	0.25768	0.069300362	15.27509	28.50817	11.90794	8.28595	2.942745805	Residential	1.26E-07	0	3.2E-03
offsite	592214.99	4139464.85	0.70582	3.40857	0.50064	0.23997	0.075098976	13.59873	33.77598	12.39814	8.26283	3.063509627	Residential	1.37E-07	0	3.5E-03
offsite	592214.99	4139364.85	0.64346	4.56467	0.49118	0.22385	0.087031916	13.15515	42.21906	12.68345	8.23315	3.334379537	Residential	1.58E-07	0	4.0E-03
offsite	592214.99	4139264.85	0.58657	7.09583	0.47934	0.20921	0.115827744	11.82363	59.18081	12.84374	8.20791	3.85275775	Residential	2.11E-07	0	5.4E-03
offsite	592314.99	4141564.85	0.74705	0.467	0.26999	2.10613	0.153699069	30.63913	7.48284	11.79771	33.42648	5.931690105	Residential	2.80E-07	0	7.1E-03
offsite	592314.99	4141464.85	0.9263	0.49603	0.28208	1.70902	0.132074692	37.57345	7.62155	11.56065	27.50479	5.486470969	Residential	2.40E-07	0	6.1E-03
offsite	592314.99	4141364.85	1.21957	0.52646	0.29493	1.43415	0.119930064	48.52895	8.06096	11.03384	23.13796	5.396389802	Residential	2.18E-07	0	5.5E-03
offsite	592314.99	4141264.85	1.78375	0.55826	0.3087	1.23186	0.116585774	77.57048	8.29994	10.61718	19.68382	6.148858923	Residential	2.12E-07	0	5.4E-03
offsite	592314.99	4141164.85	3.27408	0.59152	0.32344	1.07657	0.130619702	111.88024	8.14099	10.5868	17.84179	7.31042656	Residential	2.38E-07	0	6.0E-03
offsite	592314.99	4141064.85	12.49432	0.62624	0.33863	0.95311	0.266807123	227.41751	8.83369	10.47074	16.296	11.83269883	Residential	4.86E-07	0	1.2E-02
path	592314.99	4140764.85	3.18707	0.74366	0.38741	0.69767	0.108286603	74.45812	9.15789	10.42215	12.38083	5.152124639	Parks/Paths	1.97E-07	0	5.0E-03
path	592314.99	4140664.85	2.57593	0.78906	0.40307	0.63575	0.095689094	53.03781	9.48521	10.27803	11.36145	4.164403666	Parks/Paths	1.74E-07	0	4.4E-03
offsite	592314.99	4140564.85	2.18949	0.83985	0.41768	0.58103	0.087085514	36.91677	9.83981	10.34674	10.57344	3.427332866	Residential	1.59E-07	0	4.0E-03
offsite	592314.99	4140464.85	1.90151	0.89476	0.43121	0.53263	0.080442805	32.22681	10.69349	10.3933	10.02628	3.200044651	Residential	1.46E-07	0	3.7E-03
offsite	592314.99	4140364.85	1.67086	0.95567	0.44328	0.48929	0.075059707	28.24687	11.71302	10.39774	9.65677	3.027668539	Residential	1.37E-07	0	3.5E-03
offsite	592314.99	4140264.85	1.48121	1.02394	0.45397	0.4504	0.07066187	26.16845	12.48569	10.50774	9.4064	2.941870415	Residential	1.29E-07	0	3.3E-03
offsite	592314.99	4140164.85	1.32242	1.10084	0.46281	0.4152	0.06705227	22.82215	13.2325	10.88557	9.22172	2.819612094	Residential	1.22E-07	0	3.1E-03
offsite	592314.99	4140064.85	1.18871	1.18883	0.46991	0.38333	0.064150049	18.09669	14.16417	11.05427	9.06364	2.644693041	Residential	1.17E-07	0	3.0E-03
offsite	592314.99	4139964.85	1.07501	1.29072	0.47523	0.35452	0.061893018	16.91915	15.32588	11.12173	8.89097	2.616827293	Residential	1.13E-07	0	2.9E-03
offsite	592314.99	4139864.85	0.97731	1.41071	0.47856	0.3284	0.060243497	14.77767	16.75231	11.14343	8.65532	2.549681063	Residential	1.10E-07	0	2.8E-03
offsite	592314.99	4139764.85	0.89207	1.55488	0.4798	0.30475	0.059205064	15.16294	18.42213	11.15198	8.52476	2.605798552	Residential	1.08E-07	0	2.7E-03
offsite	592314.99	4139664.85	0.8165	1.73264	0.4789	0.28332	0.058832325	16.04539	20.35886	11.15324	8.44133	2.696639489	Residential	1.07E-07	0	2.7E-03
offsite	592314.99	4139564.85	0.74853	1.95896	0.47586	0.26387	0.059260072	15.40267	22.67083	11.33266	8.36568	2.744355882	Residential	1.08E-07	0	2.7E-03
offsite	592314.99	4139464.85	0.68666	2.25988	0.47069	0.24619	0.060768605	12.98732	25.55943	11.7069	8.30607	2.747176294	Residential	1.11E-07	0	2.8E-03
offsite	592314.99	4139364.85	0.62992	2.68442	0.4634	0.23007	0.063925905	12.88874	29.41528	12.19683	8.27161	2.883093666	Residential	1.16E-07	0	3.0E-03
offsite	592314.99	4139264.85	0.57776	3.33821	0.45396	0.21538	0.069999288	12.10048	35.05028	12.49435	8.24805	3.046571166	Residential	1.27E-07	0	3.2E-03
offsite	592414.99	4141464.85	0.7775	0.45474	0.26616	1.55815	0.119540489	47.37385	7.29302	10.99599	27.33837	5.836443534	Residential	2.18E-07	0	5.5E-03
offsite	592414.99	4141364.85	0.97382	0.48128	0.2776	1.34125	0.109462172	63.08562	7.52548	10.56436	23.35963	5.982804073	Residential	1.99E-07	0	5.1E-03

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Million (Residential 30-yr; school and p: Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
offsite	592414.99	4141264.85	1.30394	0.50868	0.28933	1.17059	0.104382916	80.685	8.01843	10.47857	19.84917	6.282017034	Residential	1.90E-07	0	4.8E-03
path	592414.99	4140664.85	2.16755	0.70482	0.37307	0.62777	0.087361071	45.57634	8.68139	10.01208	11.7347	3.8722377	Parks/Paths	1.59E-07	0	4.0E-03
offsite	592414.99	4140564.85	1.87007	0.7454	0.3865	0.57608	0.080188269	33.64331	9.08842	10.11219	10.87052	3.298590904	Residential	1.46E-07	0	3.7E-03
offsite	592414.99	4140464.85	1.6549	0.78955	0.39925	0.5301	0.074686421	30.16614	9.52674	10.21648	10.20882	3.094250177	Residential	1.36E-07	0	3.5E-03
offsite	592414.99	4140364.85	1.48231	0.83765	0.41056	0.48861	0.070154524	26.44617	10.43497	10.23134	9.73939	2.916765304	Residential	1.28E-07	0	3.2E-03
offsite	592414.99	4140264.85	1.33706	0.89048	0.42064	0.45116	0.066340141	24.81894	11.39675	10.23711	9.42515	2.84478065	Residential	1.21E-07	0	3.1E-03
offsite	592414.99	4140164.85	1.21196	0.94891	0.42947	0.41726	0.063111027	21.58288	12.14236	10.4827	9.20632	2.718901082	Residential	1.15E-07	0	2.9E-03
offsite	592414.99	4140064.85	1.1029	1.01405	0.43671	0.38639	0.060378975	17.41372	12.8569	10.76631	9.04777	2.562576966	Residential	1.10E-07	0	2.8E-03
offsite	592414.99	4139964.85	1.00757	1.0873	0.44241	0.35836	0.058113933	16.37237	13.70255	10.89497	8.90313	2.534829251	Residential	1.06E-07	0	2.7E-03
offsite	592414.99	4139864.85	0.92376	1.17064	0.44637	0.33287	0.056283749	14.63775	14.73867	10.94582	8.74379	2.481259852	Residential	1.02E-07	0	2.6E-03
offsite	592414.99	4139764.85	0.84941	1.26658	0.44845	0.30965	0.054867842	14.36653	15.98308	10.96389	8.61568	2.496982237	Residential	9.99E-08	0	2.5E-03
offsite	592414.99	4139664.85	0.78265	1.379	0.44862	0.28859	0.053876967	15.23673	17.41507	10.96992	8.54735	2.572326574	Residential	9.81E-08	0	2.5E-03
offsite	592414.99	4139564.85	0.72204	1.51264	0.4469	0.26934	0.053324701	15.25519	19.05784	11.02539	8.47295	2.620886486	Residential	9.71E-08	0	2.5E-03
offsite	592414.99	4139464.85	0.66641	1.67521	0.44332	0.25174	0.05327702	13.14711	20.97413	11.2856	8.40448	2.599032764	Residential	9.70E-08	0	2.5E-03
offsite	592414.99	4139364.85	0.61499	1.87919	0.43781	0.2357	0.053867002	12.49655	23.2996	11.53983	8.3395	2.650385032	Residential	9.81E-08	0	2.5E-03
offsite	592414.99	4139264.85	0.56734	2.14424	0.43037	0.22103	0.055314943	12.12566	26.27066	12.03494	8.28573	2.743257647	Residential	1.01E-07	0	2.6E-03
offsite	592514.99	4141364.85	0.80187	0.4424	0.26184	1.22711	0.098907342	64.83303	7.02046	10.41065	23.41938	6.039564606	Residential	1.80E-07	0	4.6E-03
path	592514.99	4140664.85	1.8218	0.63443	0.34703	0.61725	0.080075387	39.58343	8.32448	9.83995	12.10189	3.656754841	Parks/Paths	1.46E-07	0	3.7E-03
path	592514.99	4140564.85	1.61008	0.66809	0.35926	0.56881	0.074337155	31.0543	8.54598	9.87481	11.2286	3.212053854	Parks/Paths	1.35E-07	0	3.4E-03
offsite	592514.99	4140464.85	1.44977	0.70412	0.37079	0.52529	0.069725142	28.3478	9.02866	10.04134	10.49085	3.033020877	Residential	1.27E-07	0	3.2E-03
offsite	592514.99	4140364.85	1.31967	0.743	0.38158	0.48603	0.065873648	24.92279	9.41373	10.09341	9.92611	2.839337147	Residential	1.20E-07	0	3.0E-03
offsite	592514.99	4140264.85	1.20816	0.78503	0.3913	0.45035	0.062558006	23.67937	10.2291	10.09529	9.52302	2.767025396	Residential	1.14E-07	0	2.9E-03
offsite	592514.99	4140164.85	1.10953	0.83069	0.39983	0.4178	0.059665222	20.52559	11.13854	10.10089	9.23945	2.635039858	Residential	1.09E-07	0	2.8E-03
offsite	592514.99	4140064.85	1.02145	0.8806	0.4072	0.38815	0.057152633	16.83985	11.85927	10.45045	9.05506	2.497326811	Residential	1.04E-07	0	2.6E-03
offsite	592514.99	4139964.85	0.94236	0.93542	0.41315	0.36107	0.054979339	15.90866	12.54183	10.66924	8.90761	2.470863626	Residential	1.00E-07	0	2.5E-03
offsite	592514.99	4139864.85	0.87129	0.99612	0.41751	0.33624	0.053119376	14.48395	13.31749	10.7655	8.78445	2.426871436	Residential	9.67E-08	0	2.5E-03
offsite	592514.99	4139764.85	0.80709	1.06365	0.42015	0.31353	0.051556282	13.73824	14.25135	10.80078	8.67704	2.415912915	Residential	9.39E-08	0	2.4E-03
offsite	592514.99	4139664.85	0.74864	1.13975	0.42125	0.29288	0.050292777	14.44256	15.33979	10.81808	8.62188	2.474901612	Residential	9.16E-08	0	2.3E-03
offsite	592514.99	4139564.85	0.69493	1.22601	0.42059	0.27396	0.049308424	14.90955	16.58237	10.82226	8.56322	2.528627686	Residential	8.98E-08	0	2.3E-03
offsite	592514.99	4139464.85	0.64518	1.32467	0.41825	0.25662	0.048610135	13.64368	17.99693	11.01	8.50389	2.523079822	Residential	8.85E-08	0	2.2E-03
offsite	592514.99	4139364.85	0.59877	1.43835	0.41423	0.24065	0.048206941	12.04616	19.60944	11.26201	8.42427	2.510129673	Residential	8.78E-08	0	2.2E-03
offsite	592514.99	4139264.85	0.5555	1.57099	0.40841	0.22613	0.048146847	11.97414	21.51893	11.40902	8.38762	2.571295611	Residential	8.77E-08	0	2.2E-03
path	592614.99	4140564.85	1.38149	0.60373	0.33516	0.55894	0.069015869	29.16291	8.12016	9.70219	11.5713	3.157786918	Parks/Paths	1.26E-07	0	3.2E-03
path	592614.99	4140464.85	1.27092	0.63374	0.34588	0.51844	0.065281065	26.79226	8.50296	9.88315	10.82878	2.98886973	Parks/Paths	1.19E-07	0	3.0E-03
offsite	592614.99	4140364.85	1.17568	0.66569	0.35593	0.48153	0.062023441	23.76942	8.979	9.96721	10.19924	2.807588188	Residential	1.13E-07	0	2.9E-03
offsite	592614.99	4140264.85	1.09143	0.69979	0.36525	0.44784	0.059153949	22.69886	9.33707	9.98885	9.71187	2.717173692	Residential	1.08E-07	0	2.7E-03
offsite	592614.99	4140164.85	1.01466	0.73637	0.37354	0.41687	0.056586083	19.63338	10.05739	9.99011	9.34665	2.572291964	Residential	1.03E-07	0	2.6E-03
offsite	592614.99	4140064.85	0.94422	0.77565	0.38076	0.38846	0.05429399	16.36282	10.92686	10.0754	9.10737	2.441975706	Residential	9.89E-08	0	2.5E-03
offsite	592614.99	4139964.85	0.87952	0.81803	0.38686	0.36244	0.052261924	15.50821	11.6261	10.41837	8.92966	2.419123849	Residential	9.52E-08	0	2.4E-03
offsite	592614.99	4139864.85	0.81999	0.86388	0.3915	0.33847	0.050459002	14.33389	12.28162	10.5856	8.80738	2.383445223	Residential	9.19E-08	0	2.3E-03
offsite	592614.99	4139764.85	0.76517	0.91365	0.39469	0.31646	0.048878046	13.19987	13.00236	10.65917	8.73144	2.354520165	Residential	8.90E-08	0	2.3E-03
offsite	592614.99	4139664.85	0.71447	0.96792	0.3964	0.29631	0.047510202	13.71354	13.84516	10.69034	8.6832	2.398754075	Residential	8.65E-08	0	2.2E-03
offsite	592614.99	4139564.85	0.66727	1.02708	0.39659	0.27775	0.046333007	14.44319	14.80822	10.70079	8.63125	2.454743573	Residential	8.44E-08	0	2.1E-03
offsite	592614.99	4139464.85	0.62308	1.09176	0.39526	0.26076	0.045345251	13.87201	15.89725	10.74381	8.58916	2.464312912	Residential	8.26E-08	0	2.1E-03
offsite	592614.99	4139364.85	0.58148	1.16183	0.39245	0.24496	0.044515562	11.59302	17.12361	10.9963	8.51266	2.411091382	Residential	8.11E-08	0	2.1E-03
offsite	592614.99	4139264.85	0.54233	1.2369	0.38801	0.2306	0.043850448	11.70719	18.49422	11.24511	8.48236	2.465445281	Residential	7.98E-08	0	2.0E-03
path	592714.99	4140464.85	1.11147	0.57476	0.32368	0.50945	0.061183842	25.42878	8.02508	9.70622	11.16923	2.953885287	Parks/Paths	1.11E-07	0	2.8E-03
path	592714.99	4140364.85	1.04611	0.60152	0.33301	0.47501	0.058471696	22.74118	8.47086	9.85127	10.51351	2.783784056	Parks/Paths	1.06E-07	0	2.7E-03
path	592714.99	4140264.85	0.98496	0.62894	0.34192	0.44367	0.056021366	21.86306	8.94402	9.89544	9.98402	2.70056458	Parks/Paths	1.02E-07	0	2.6E-03
offsite	592714.99	4140164.85	0.92671	0.65947	0.35	0.41448	0.053776379	18.8686	9.2746	9.90304	9.53901	2.535874162	Residential	9.79E-08	0	2.5E-03
offsite	592714.99	4140064.85	0.8715	0.69037	0.35711	0.38759	0.051712886	16.00637	9.91767	9.90459	9.22681	2.403141198	Residential	9.42E-08	0	2.4E-03
offsite	592714.99	4139964.85	0.81905	0.72479	0.36311	0.36249	0.049830676	15.22611	10.75399	10.11925	8.99727	2.377816602	Residential	9.07E-08	0	2.3E-03
offsite	592714.99	4139864.85	0.77	0.7605	0.36804	0.33955	0.048136428	14.19983	11.43311	10.38838	8.85303	2.349245823	Residential	8.77E-08	0	2.2E-03
offsite	592714.99	4139764.85	0.7238	0.79841	0.37158	0.31832	0.046599531	12.86483	12.06734	10.51785	8.80309	2.314069181	Residential	8.49E-08	0	2.2E-03
offsite	592714.99	4139664.85	0.68032	0.83869	0.37378	0.29879	0.045220163	13.18406	12.743	10.57569	8.75055	2.345038977	Residential	8.23E-08	0	2.1E-03
offsite	592714.99	4139564.85	0.63923	0.88124	0.37465	0.28066	0.043973284	13.91394	13.50526	10.59921	8.67937	2.392310713	Residential	8.01E-08	0	2.0E-03
offsite	592714.99	4139464.85	0.60026	0.92593	0.37417	0.26395	0.042854072	13.86896	14.36734	10.60723	8.62035	2.412511033	Residential	7.80E-08	0	2.0E-03
offsite	592714.99	4139364.85	0.56323	0.97232	0.37233	0.24855	0.041847314	12.1101	15.33151	10.74383	8.57938	2.372533629	Residential	7.62E-08	0	1.9E-03
offsite	592714.99	4139264.85	0.52801	1.01927	0.36906	0.23439	0.040931669	11.38142	16.39456	10.99564	8.54852	2.382331728	Residential	7.45E-08	0	1.9E-03
path	592814.99	4140264.85	0.88755	0.57124	0.32109	0.43759	0.053107484	21.14733	8.45275	9.81234	10.28401	2.689234108	Parks/Paths	9.67E-08	0	2.5E-03
offsite	592814.99	4140164.85	0.84505	0.59525	0.32881	0.41045	0.051151293	18.27005	8.92335	9.83193	9.80122	2.529743525	Residential	9.31E-08	0	2.4E-03
offsite	592814.99	4140064.85	0.80281	0.62191	0.3358	0.38509	0.049332098	15.69374	9.23945	9.83511	9.41217	2.388262078	Residential	8.98E-08	0	2.3E-03
offsite	592814.99	4139964.85	0.76145	0.64923	0.34184	0.36139	0.047624455	15.00796	9.80441	9.83569	9.12059	2.343771359	Residential	8.67E-08	0	2.2E-03
offsite	592814.99	4139864.85	0.72154	0.67767	0.34674	0.33942	0.046044326	14.06177	10.61165	10.15238	8.9704	2.323431593	Residential	8.38E-08	0	2.1E-03
offsite	592814.99	4139764.85	0.68323	0.70735	0.35057	0.31913	0.044593425	12.82668	11.27297	10.36315	8.86699	2.289066433	Residential	8.12E-08	0	2.1E-03
offsite	592814.99	4139664.85	0.64636	0.73817	0.35314	0.30021	0.043245688	12.78677	11.88746	10.46213	8.78555	2.301065346	Residential	7.87E-08	0	2.0E-03
offsite	592814.99	4139564.85	0.611	0.76999	0.35455	0.28273	0.042006416	13.37689	12.52179	10.50769	8.74782	2.343095697	Residential	7.65E-08	0	1.9E-03
offsite	592814.99	4139464.85	0.577	0.80237	0.35474	0.26651	0.04085571	13.71232	13.21958	10.52656	8.69878	2.374753163	Residential	7.44E-08	0	1.9E-03
offsite	592814.99	4139364.85	0.54429	0.83473	0.35369	0.2515	0.039781983	12.6005	14.00079	10.5793	8.64979	2.35145088	Residential	7.24E-08	0	1.8E-03
offsite	592814.99	4139264.85	0.51277	0.86569	0.35141	0.2375	0.038754487	11.04166	14.85851	10.7558	8.59785	2.315841232	Residential	7.06E-08	0	1.8E-03
Phase4	590514.99	4140764.85	1.83489	0.80896	22.42546	0.47592	0.408941623	15.98804	11.71891	205.5199	18.09394	9.285977021	Daycare	7.45E-07	1	1.9E-02
Phase4	590514.99	4140664.85	2.08319	0.73977	22.14638	0.37133	0.401148795	17.89171	10.65554	202.82676	16.59699	9.065342199	Daycare	7.30E-07	1	1.9E-02
Phase4	590614.99	4140764.85	1.94395	0.93339	7.54545	0.54416	0.190377072	16.68015	13.17647	78.18854	17.18033	5.516278734	Daycare	3.47E-07	0	8.8E-03
Phase4	590614.99	4140664.85	2.21407	0.84877	7.51833	0.42613	0.185719217	19.14132	11.96184	74.81894	15.77723	5.304830577	Daycare	3.38E-07	0	8.6E-03
Phase4	590614.99	4140564.85	2.59498	0.77319	7.49784	0.34615	0.185384116	22.14042	10.94495	70.57176	14.61578	5.125703189	Daycare	3.38E-07	0	8.6E-03
Phase5	590714.99	4141164.85	1.3543	1.6145	4.15477	1.82492	0.218442475	12.44548	20.14748	51.23592	25.67119	5.827154603	Daycare	3.98E-07	0	1.0E-02
Phase5	590714.99	4141064.85	1.48721	1.48843	4.5022	1.33525	0.193491728	13.69539	18.42721	48.92894	22.25627	5.334533413	Daycare	3.52E-07	0	8.9E-03
Phase5	590714.99	4140964.85	1.66366	1.36885	4.60607	1.02961	0.177157256	14.75822	17.06007	47.86581	19.72526	4.990831132	Daycare	3.23E-07	0	8.2E-03
Phase4	590714.99	4140764.85	2.07127	1.09945	4.64681	0.60206	0.153975795	17.37898	14.76111	47.40557	16.04638	4.556275571	Daycare	2.80E-07	0	7.1E-03
Phase4	590714.99	4140664.85	2.35835	0.9798	4.64015	0.47624	0.148976998	19.72534	13.60043	47.04311	14.66761	4.433167809	Daycare	2.71E-07	0	6.9E-03

Roadway HRA
Cumulative With Project

Discrete Receptor ID (Group Name)	X	Y	AERMOD Output: Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Million (Residential 30-yr; school and p: Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
Phase4	590714.99	4140564.85	2.78541	0.89571	4.63029	0.38722	0.148849215	22.84121	12.26124	46.89527	13.51281	4.368996927	Daycare	2.71E-07	0	6.9E-03
Phase5	590814.99	4141164.85	1.3999	1.92632	2.7014	1.62676	0.188414556	12.85548	25.13824	37.54962	23.79575	5.380838598	Daycare	3.43E-07	0	8.7E-03
Phase5	590814.99	4141064.85	1.5367	1.69813	2.87353	1.28096	0.1686573	13.60057	21.77067	37.60295	20.55969	4.903399783	Daycare	3.07E-07	0	7.8E-03
Phase5	590814.99	4140964.85	1.70968	1.60771	3.20658	1.03161	0.159641413	15.38072	19.74831	37.20984	18.55765	4.65114658	Daycare	2.91E-07	0	7.4E-03
Phase3	590814.99	4140864.85	1.96506	1.50141	3.30684	0.81632	0.15031608	16.64978	18.12791	37.19053	16.02427	4.337624158	Daycare	2.74E-07	0	7.0E-03
Phase3	590814.99	4140764.85	2.21993	1.32907	3.33762	0.64644	0.1419769	18.34496	16.71774	37.15565	14.47754	4.168737814	Daycare	2.59E-07	0	6.6E-03
Phase3	590814.99	4140664.85	2.55917	1.18538	3.3552	0.52458	0.138113409	20.76181	15.43814	37.12894	13.2361	4.071141007	Daycare	2.51E-07	0	6.4E-03
Phase2	590814.99	4140564.85	3.02814	1.05937	3.35009	0.42669	0.137642128	24.27999	14.12748	37.07041	12.24434	4.046833822	Daycare	2.51E-07	0	6.4E-03
Phase2	590814.99	4140464.85	3.75366	0.94967	3.33449	0.35525	0.142858428	29.23776	12.6328	36.96336	11.45695	4.098370407	Daycare	2.60E-07	0	6.6E-03
Phase5	590914.99	4141164.85	1.486	2.84663	2.096	1.58742	0.189275115	13.38249	35.41605	31.56817	22.66339	5.434129382	Daycare	3.45E-07	0	8.8E-03
Phase5	590914.99	4141064.85	1.63714	2.37214	2.26027	1.2807	0.169081272	14.48101	28.50786	31.04484	19.59651	4.855669006	Daycare	3.08E-07	0	7.8E-03
Phase5	590914.99	4140964.85	1.86591	2.28264	2.46306	1.04969	0.160116799	15.98948	24.26218	31.27964	17.90061	4.573434691	Daycare	2.92E-07	0	7.4E-03
Phase3	590914.99	4140864.85	2.0979	1.92887	2.5249	0.83673	0.146981361	17.59456	21.5156	31.23722	16.02166	4.315046469	Daycare	2.68E-07	0	6.8E-03
Phase3	590914.99	4140764.85	2.37685	1.61428	2.58931	0.67059	0.138032471	19.45907	19.42827	31.1861	13.28353	3.984004836	Daycare	2.51E-07	0	6.4E-03
Phase3	590914.99	4140664.85	2.77484	1.42354	2.59696	0.55321	0.134640444	22.11176	17.74533	31.12625	12.07	3.884853102	Daycare	2.45E-07	0	6.2E-03
Phase2	590914.99	4140564.85	3.34733	1.28379	2.59992	0.46033	0.136048203	26.57115	16.25325	30.85599	11.3379	3.918217147	Daycare	2.48E-07	0	6.3E-03
Phase2	590914.99	4140464.85	4.21834	1.14023	2.60062	0.39017	0.143441837	32.7294	14.74607	29.76773	10.73799	4.012235048	Daycare	2.61E-07	0	6.6E-03
Phase2	590914.99	4140364.85	5.87858	1.0136	2.58175	0.33201	0.163763182	49.41769	13.07223	28.58951	10.28217	4.543215673	Daycare	2.98E-07	0	7.6E-03
Phase6	591014.99	4141664.85	1.01135	5.07056	0.85364	9.4478	0.683863221	10.78157	43.03709	27.97369	96.53462	14.51756076	Daycare	1.25E-06	1	3.2E-02
Phase6	591014.99	4141564.85	1.10323	7.3132	1.00309	4.89244	0.428661379	11.32625	72.50584	27.82185	54.03114	10.32674784	Daycare	7.81E-07	1	2.0E-02
Phase6	591014.99	4141464.85	1.20686	7.41659	1.10398	3.14424	0.323238581	11.92187	73.8905	27.50771	37.15429	8.323467801	Daycare	5.89E-07	1	1.5E-02
Phase6	591014.99	4141364.85	1.31666	14.54996	1.36928	2.45266	0.372273358	12.59825	100.30316	27.31351	28.66484	8.195461739	Daycare	6.78E-07	1	1.7E-02
Phase5	591014.99	4141064.85	1.73648	3.76768	1.78419	1.25377	0.178670759	15.43895	45.17725	27.10948	18.64818	5.224095475	Daycare	3.25E-07	0	8.3E-03
Phase3	591014.99	4140964.85	1.98543	3.3885	1.9351	1.03909	0.166735015	16.943	32.64711	27.22629	17.12151	4.680119797	Daycare	3.04E-07	0	7.7E-03
Phase3	591014.99	4140864.85	2.24221	2.626	2.01353	0.8445	0.150420634	18.72808	27.25097	27.17494	15.69225	4.394628915	Daycare	2.74E-07	0	7.0E-03
Phase3	591014.99	4140764.85	2.56984	2.13708	2.06131	0.69194	0.140708839	21.01178	23.63315	26.96686	14.03233	4.156414374	Daycare	2.56E-07	0	6.5E-03
Phase2	591014.99	4140664.85	3.04679	1.81221	2.0983	0.57453	0.137356717	24.15249	21.0374	26.39814	11.58627	3.880634703	Daycare	2.50E-07	0	6.4E-03
Phase2	591014.99	4140564.85	3.74436	1.55544	2.11399	0.47975	0.139359369	29.49956	18.98902	24.88681	10.97437	3.909623284	Daycare	2.54E-07	0	6.4E-03
Phase2	591014.99	4140464.85	4.92267	1.35068	2.1081	0.40691	0.150516021	39.30155	17.23323	24.89168	10.49118	4.189577418	Daycare	2.74E-07	0	7.0E-03
Phase1	591014.99	4140364.85	7.39847	1.23196	2.09807	0.35797	0.18432155	62.16999	15.51997	24.91237	10.09034	5.012076583	Daycare	3.36E-07	0	8.5E-03
Phase6	591114.99	4141764.85	0.93925	2.45917	0.6414	19.50135	1.279335014	10.59361	23.65325	25.09574	188.14796	24.9818799	Daycare	2.33E-06	2	5.9E-02
Phase6	591114.99	4141664.85	1.02935	3.01131	0.72849	6.44771	0.4687327	11.11214	29.2965	24.73194	67.83487	10.46210564	Daycare	8.54E-07	1	2.2E-02
Phase6	591114.99	4141564.85	1.14506	3.50185	0.80667	3.95216	0.320911352	11.75089	34.04327	24.36268	44.71552	7.808350814	Daycare	5.84E-07	1	1.5E-02
Phase6	591114.99	4141464.85	1.23636	3.64756	0.87008	2.62913	0.241951664	12.42106	46.87115	24.26385	32.63054	6.785800783	Daycare	4.41E-07	0	1.1E-02
Phase6	591114.99	4141364.85	1.36133	4.22472	1.01294	2.10884	0.220397539	13.20933	42.67178	24.24504	25.95926	5.859713157	Daycare	4.01E-07	0	1.0E-02
Phase6	591114.99	4141264.85	1.50922	7.77738	1.2381	1.79779	0.249777343	14.1777	59.22967	24.36519	22.93458	6.089735631	Daycare	4.55E-07	0	1.2E-02
Phase6	591114.99	4141164.85	1.67404	18.78047	1.36563	1.47621	0.367874573	15.28214	123.4496	24.33755	20.42294	7.987739202	Daycare	6.70E-07	1	1.7E-02
Phase3	591114.99	4140964.85	2.11418	6.83178	1.5636	1.0163	0.203531445	18.25341	62.29146	24.17984	16.39636	5.552899314	Daycare	3.71E-07	0	9.4E-03
Phase3	591114.99	4140864.85	2.43378	4.36393	1.63267	0.8523	0.169235361	20.35117	41.48002	23.83373	15.17967	4.778678681	Daycare	3.08E-07	0	7.8E-03
Phase2	591114.99	4140764.85	2.84587	3.18207	1.68264	0.71358	0.153312537	23.16064	31.79909	22.82948	14.00961	4.394344122	Daycare	2.79E-07	0	7.1E-03
Phase2	591114.99	4140664.85	3.41815	2.48703	1.72387	0.60065	0.147286418	27.14796	26.48104	22.04203	12.46722	4.165471472	Daycare	2.68E-07	0	6.8E-03
Phase2	591114.99	4140564.85	4.33128	2.05703	1.75025	0.50732	0.15078603	33.78417	23.07512	22.13263	10.87849	4.128596889	Daycare	2.75E-07	0	7.0E-03
Phase2	591114.99	4140464.85	6.05135	1.79906	1.75078	0.44193	0.170280592	48.98895	20.55421	22.21257	10.41603	4.606924842	Daycare	3.10E-07	0	7.9E-03
Phase1	591114.99	4140364.85	10.60583	1.54732	1.7516	0.38113	0.234192785	85.34162	18.43754	22.21679	10.02159	5.963686137	Daycare	4.26E-07	0	1.1E-02
Phase6	591214.99	4141764.85	0.94665	1.83769	0.56735	11.89844	0.793146989	11.22828	17.88289	22.1797	130.30826	17.65134076	Daycare	1.44E-06	1	3.7E-02
Phase6	591214.99	4141664.85	1.04976	2.15145	0.63562	5.24155	0.381410981	11.83171	20.94164	22.18646	62.82442	9.522462505	Daycare	6.95E-07	1	1.8E-02
Phase6	591214.99	4141564.85	1.17262	2.31311	0.66197	3.29942	0.263680354	12.49707	25.48346	22.11748	38.25499	6.694284553	Daycare	4.80E-07	0	1.2E-02
Phase6	591214.99	4141464.85	1.28403	2.54196	0.73228	2.40911	0.213332827	13.23165	29.24021	22.08306	29.32321	5.756746867	Daycare	3.88E-07	0	9.9E-03
Phase6	591214.99	4141364.85	1.43182	2.95685	0.84446	1.98874	0.195971057	14.10728	35.14656	22.07406	24.10944	5.352916491	Daycare	3.57E-07	0	9.1E-03
Phase6	591214.99	4141164.85	1.78845	5.16182	1.09896	1.42123	0.196541342	16.38887	42.49027	22.02654	19.35872	5.110072684	Daycare	3.58E-07	0	9.1E-03
Phase7	591214.99	4141064.85	1.99903	8.32525	1.21237	1.18129	0.224931733	17.90114	63.65327	21.81821	17.54024	5.65510216	Daycare	4.10E-07	0	1.0E-02
Phase7	591214.99	4140964.85	2.26451	27.35204	1.29265	1.00573	0.450618698	19.75908	169.85452	21.22879	15.74904	9.068209964	Daycare	8.21E-07	1	2.1E-02
Phase2	591214.99	4140764.85	3.14902	6.19548	1.40594	0.72466	0.191159923	26.47262	55.58062	20.01095	13.69821	5.208398555	Daycare	3.48E-07	0	8.8E-03
Phase2	591214.99	4140664.85	3.8865	4.06175	1.44658	0.61774	0.170574923	32.11826	39.53579	19.95495	12.66123	4.769155546	Daycare	3.11E-07	0	7.9E-03
Phase2	591214.99	4140564.85	5.15068	2.98274	1.47605	0.52839	0.171934999	41.28389	31.44642	19.74249	11.20275	4.684419083	Daycare	3.13E-07	0	8.0E-03
Phase1	591214.99	4140464.85	7.92341	2.47062	1.48368	0.46209	0.204748956	64.68833	26.1711	20.05467	10.37289	5.364865819	Daycare	3.73E-07	0	9.5E-03
Phase1	591214.99	4140364.85	23.17206	2.03861	1.48816	0.40133	0.432723554	185.01596	22.50868	20.13971	10.00677	10.08531655	Daycare	7.88E-07	1	2.0E-02
Phase6	591314.99	4141664.85	1.06621	1.66404	0.56196	4.76343	0.344584681	12.54664	17.71035	20.47689	58.27145	8.83555192	Daycare	6.27E-07	1	1.6E-02
Phase6	591314.99	4141564.85	1.20761	1.8151	0.59776	3.18046	0.249719558	13.28221	20.34939	20.44583	35.08144	6.11607034	Daycare	4.55E-07	0	1.2E-02
Phase6	591314.99	4141464.85	1.3533	1.9889	0.64211	2.33442	0.201622037	14.09663	21.68717	20.40892	26.7603	5.175004036	Daycare	3.67E-07	0	9.3E-03
Phase6	591314.99	4141364.85	1.50468	2.21293	0.71658	1.87894	0.179216622	15.06395	25.47559	20.33533	22.55905	4.825605082	Daycare	3.26E-07	0	8.3E-03
Phase6	591314.99	4141264.85	1.69667	2.59916	0.81404	1.60556	0.171203643	16.23151	28.18914	20.21859	20.25624	4.679168054	Daycare	3.12E-07	0	7.9E-03
Phase7	591314.99	4141164.85	1.89602	3.09844	0.90343	1.36353	0.16652659	17.62564	28.46636	19.84368	18.40578	4.507709799	Daycare	3.03E-07	0	7.7E-03
Phase7	591314.99	4141064.85	2.146	3.95471	0.99183	1.171	0.170072043	19.61183	34.45392	18.97907	16.8642	4.575895075	Daycare	3.10E-07	0	7.9E-03
Phase7	591314.99	4140964.85	2.45173	5.59429	1.08313	0.99422	0.185042621	22.1268	44.58863	18.4015	15.22083	4.801086467	Daycare	3.37E-07	0	8.6E-03
Phase7	591314.99	4140864.85	2.88507	9.7966	1.14385	0.84673	0.234535228	25.39815	69.4697	18.39688	14.16049	5.641405575	Daycare	4.27E-07	0	1.1E-02
Phase2	591314.99	4140564.85	6.40934	5.70871	1.2567	0.54948	0.222636582	53.9204	50.12857	17.37126	11.56052	5.80048164	Daycare	4.05E-07	0	1.0E-02
Phase1	591314.99	4140464.85	11.95194	3.88336	1.27398	0.47854	0.282382575	101.98174	37.60079	18.05018	10.34112	7.201166255	Daycare	5.14E-07	1	1.3E-02
Phase6	591414.99	4141464.85	1.40818	1.65085	0.60045	2.29591	0.195312016	14.95597	18.7263	19.00331	25.25729	4.885131062	Daycare	3.56E-07	0	9.0E-03
Phase6	591414.99	4141364.85	1.5985	1.76918	0.62632	1.82254	0.170364221	16.02498	17.96279	18.73942	21.29515	4.410342832	Daycare	3.10E-07	0	7.9E-03
Phase6	591414.99	4141264.85	1.80232	1.98047	0.69434	1.5317	0.158863669	17.43349	22.27048	18.17783	19.21126	4.341074511	Daycare	2.89E-07	0	7.3E-03
Phase8	591414.99	4141164.85	2.00741	2.22262	0.76248	1.29964	0.151452548	19.16455	23.63063	17.29927	17.55935	4.229260973	Daycare	2.76E-07	0	7.0E-03
Phase7	591414.99	4141064.85	2.28787	2.62617	0.83696	1.12853	0.151100647	21.32154	24.46958	17.0848	16.2153	4.174348361	Daycare	2.75E-07	0	7.0E-03
Phase7	591414.99	4140964.85	2.6704	3.32124	0.91155	0.98353	0.157521875	24.13423	28.9075	17.08878	14.90545	4.2777732	Daycare	2.87E-07	0	7.3E-03
Phase6	591514.99	4141364.85	1.65362	1.51507	0.58757	1.75846	0.163516542	17.11532	16.51461	16.72397	20.43508	4.241531711	Daycare	2.98E-07	0	7.6E-03
Phase8	591514.99	4141264.85	1.92628	1.60479	0.60809	1.49117	0.152365303	18.6905	16.1404	16.13712	18.32215	4.017172227	Daycare	2.77E-07	0	7.0E-03
Phase8	591514.99	4141164.85	2.17632	1.75849	0.65896	1.26282	0.144547865	20.57274	19.66095	16.03111	16.83581	4.027122513	Daycare	2.63E-07	0	6.7E-03
Phase8	591514.99	4141064.85	2.48738	1.99927	0.72001	1.09994	0.143005176	23.00342	20.64995	16.02068	15.63305	4.01164488	Daycare	2.60E-07	0	6.6E-03
Phase8	591514.99	4140964.85	2.93086	2.36148	0.78188	0.96874	0.146999643	26.29713	21.21262	15.95522	14.5292	4.0273508	Daycare	2.68E-07	0	6.8E-03
Phase8	591614.99	4141164.85	2.41135	1.47015	0.58384	1.24365	0.142348636	21.98653	15.24073	15.17111	16.20898	3.833853993	Daycare	2.59E-07	0	6.6E-03

Roadway HRA
Cumulative With Project

			AERMOD Output											Million (Residential 30-yr; school and p		
Discrete Receptor ID (Group Name)	X	Y	Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - UNITIZED				Concentration (ANNUAL AVERAGE CONC) [ug/m^3] - SCALED	Concentration (1-hr max CONC) [ug/m^3] - UNITIZED				Concentration (1-hr max CONC) [ug/m^3] - SCALED	Rec Type	Total Risk	Per Million	CHRONIC HAZARD QUOTIENT
Phase8	591614.99	4141064.85	2.77018	1.61525	0.62915	1.07891	0.14002887	24.70469	17.66254	15.1018	15.10704	3.888877593	Daycare	2.55E-07	0	6.5E-03
Phase8	591614.99	4140964.85	3.22185	1.88896	0.70156	0.94126	0.142829367	29.86837	18.57728	14.84798	14.1547	4.005375519	Daycare	2.60E-07	0	6.6E-03
Phase8	591714.99	4141064.85	3.19908	1.38521	0.58128	1.06006	0.141985576	28.62522	14.43697	14.1667	14.63881	3.854803673	Daycare	2.59E-07	0	6.6E-03

SUMMARY OF HEALTH RISK FROM GEN SET AND LOADING DOCKS

Generalized Worst-case HRA Associated with Onsite Diesel-Related Activity

	Docks[1]						Gen[2]					
	Residential			Daycare			Residential			Daycare		
m	Cancer	HI	PM2.5	Cancer	HI	PM2.5	Cancer	HI	PM2.5	Cancer	HI	PM2.5
25	1.10	0.00	0.00	0.48	0.00	0.00	0.09	0.00	0.00	0.04	0.00	0.00
50	0.55	0.00	0.00	0.24	0.00	0.00	0.04	0.00	0.00	0.02	0.00	0.00
75	0.70	0.00	0.00	0.31	0.00	0.00	0.03	0.00	0.00	0.02	0.00	0.00
100	0.63	0.00	0.00	0.28	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00
125	0.54	0.00	0.00	0.24	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00
150	0.46	0.00	0.00	0.20	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00
175	0.40	0.00	0.00	0.18	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00
200	0.36	0.00	0.00	0.16	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00
225	0.33	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00
250	0.30	0.00	0.00	0.13	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00
275	0.28	0.00	0.00	0.12	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
300	0.26	0.00	0.00	0.11	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
325	0.24	0.00	0.00	0.10	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
350	0.22	0.00	0.00	0.10	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
375	0.20	0.00	0.00	0.09	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
400	0.19	0.00	0.00	0.08	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
425	0.18	0.00	0.00	0.08	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
450	0.16	0.00	0.00	0.07	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
475	0.15	0.00	0.00	0.07	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
500	0.15	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
525	0.14	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
550	0.13	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
575	0.12	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
600	0.12	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
625	0.11	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
650	0.11	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
675	0.10	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
700	0.10	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
725	0.09	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
750	0.09	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
775	0.08	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
800	0.08	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
825	0.08	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
850	0.07	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
875	0.07	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
900	0.07	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
925	0.07	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
950	0.06	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
975	0.06	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1000	0.06	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1025	0.06	0.00	0.00	0.03	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1050	0.06	0.00	0.00	0.03	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1075	0.06	0.00	0.00	0.02	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1100	0.05	0.00	0.00	0.02	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1125	0.05	0.00	0.00	0.02	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1150	0.05	0.00	0.00	0.02	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1175	0.05	0.00	0.00	0.02	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1200	0.05	0.00	0.00	0.02	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1225	0.05	0.00	0.00	0.02	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1250	0.05	0.00	0.00	0.02	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1275	0.04	0.00	0.00	0.02	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1300	0.04	0.00	0.00	0.02	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1325	0.04	0.00	0.00	0.02	0.00	0.00	0.005	0.00	0.00	0.002	0.000	0.000
1350	0.04	0.00	0.00	0.02	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1375	0.04	0.00	0.00	0.02	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1400	0.04	0.00	0.00	0.02	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1425	0.04	0.00	0.00	0.02	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1450	0.04	0.00	0.00	0.02	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1475	0.04	0.00	0.00	0.02	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1500	0.04	0.00	0.00	0.02	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1525	0.03	0.00	0.00	0.02	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1550	0.03	0.00	0.00	0.01	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1575	0.03	0.00	0.00	0.01	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1600	0.03	0.00	0.00	0.01	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1625	0.03	0.00	0.00	0.01	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1650	0.03	0.00	0.00	0.01	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1675	0.03	0.00	0.00	0.01	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1700	0.03	0.00	0.00	0.01	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1725	0.03	0.00	0.00	0.01	0.00	0.00	0.004	0.00	0.00	0.002	0.000	0.000
1750	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.002	0.000	0.000
1775	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.002	0.000	0.000
1800	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.002	0.000	0.000
1825	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.002	0.000	0.000
1850	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
1875	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
1900	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
1925	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
1950	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
1975	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2000	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2025	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2050	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2075	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2100	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2125	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2150	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2175	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2200	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2225	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2250	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2275	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2300	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2325	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2350	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2375	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2400	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2425	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2450	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2475	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2500	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2525	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2550	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2575	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2600	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2625	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2650	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000

SUMMARY OF HEALTH RISK FROM GEN SET AND LOADING DOCKS

Generalized Worst-case HRA Associated with Onsite Diesel-Related Activity

	Docks[1]						Gen[2]					
	Residential			Daycare			Residential			Daycare		
m	Cancer	HI	PM2.5	Cancer	HI	PM2.5	Cancer	HI	PM2.5	Cancer	HI	PM2.5
2675	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2700	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2725	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2750	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2775	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2800	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2825	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2850	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2875	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2900	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2925	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2950	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
2975	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3000	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3025	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3050	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3075	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3100	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3125	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3150	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3175	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3200	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3225	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3250	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3275	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3300	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3325	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3350	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3375	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3400	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3425	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3450	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3475	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3500	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3525	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3550	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3575	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3600	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3625	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3650	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3675	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3700	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3725	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3750	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3775	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3800	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3825	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3850	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3875	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3900	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3925	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3950	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
3975	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4000	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4025	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4050	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4075	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4100	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4125	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4150	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4175	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4200	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4225	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4250	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4275	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4300	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4325	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4350	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4375	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4400	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4425	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4450	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4475	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4500	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4525	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4550	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4575	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4600	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4625	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4650	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4675	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4700	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4725	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4750	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4775	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4800	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4825	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4850	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4875	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4900	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	0.000	0.000
4925	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000
4950	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000
4975	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000
5000	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000

[1] Loading dock emissions assume 220 trips per day to a typical loading dock, which is based on the truck trip generation factor of 0.22 trucks per tsf of retail from the City of San Francisco's Transportation Impact Analyis Guidelines (October 2002) and 1,000 tsf of retail at Parcel 4.

[2] Emergency generators emissions are based on a CalEEMod default emergency generator (84 HP) operating 50 hours per year, which is the limit per BAAQMD Regulation 9.

Loading Docks

2.30E-05 <-- 1 g/s to DPM scaling factor

PM2.5ex/DPM scaling factor –> 0.92

DIST	Unitized AERSCREEN output 1-HR	Annual (converted)	Scaled Annual	RESIDENTIAL 70-yr															
				Dose Inhallation						Risk									
(m)	(ug/m3)	(ug/m3)	(ug/m3)	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimester	0<2	2<9	2<16	16<30	16-70	Summed Risk	Risk Per Million	Chronic Hazard	PM2.5
1	0.7809	0.08	1.7949E-06	6.21E-10	1.88E-09	1.09E-09	9.85E-10	4.49E-10	4.01E-10	2.44E-11	5.90E-10	0.00E+00	6.50E-10	0.00E+00	3.40E-10	1.6E-09	0.00	0.00	1.6513E-06
25	537.1	53.71	1.2346E-03	4.27E-07	1.29E-06	7.47E-07	6.77E-07	3.09E-07	2.76E-07	1.68E-08	4.06E-07	0.00E+00	4.47E-07	0.00E+00	2.34E-07	1.1E-06	1.10	0.00	0.001135792
50	269.5	26.95	6.1946E-04	2.14E-07	6.47E-07	3.75E-07	3.40E-07	1.55E-07	1.38E-07	8.42E-09	2.03E-07	0.00E+00	2.24E-07	0.00E+00	1.17E-07	5.5E-07	0.55	0.00	0.000569905
75	342.4	34.24	7.8703E-04	2.72E-07	8.23E-07	4.76E-07	4.32E-07	1.97E-07	1.76E-07	1.07E-08	2.59E-07	0.00E+00	2.85E-07	0.00E+00	1.49E-07	7.0E-07	0.70	0.00	0.000724065
100	309	30.90	7.1026E-04	2.46E-07	7.42E-07	4.30E-07	3.90E-07	1.78E-07	1.59E-07	9.66E-09	2.33E-07	0.00E+00	2.57E-07	0.00E+00	1.35E-07	6.3E-07	0.63	0.00	0.000653435
125	264.4	26.44	6.0774E-04	2.10E-07	6.35E-07	3.68E-07	3.33E-07	1.52E-07	1.36E-07	8.26E-09	2.00E-07	0.00E+00	2.20E-07	0.00E+00	1.15E-07	5.4E-07	0.54	0.00	0.00055912
150	224.9	22.49	5.1695E-04	1.79E-07	5.40E-07	3.13E-07	2.84E-07	1.29E-07	1.15E-07	7.03E-09	1.70E-07	0.00E+00	1.87E-07	0.00E+00	9.80E-08	4.6E-07	0.46	0.00	0.00047559
175	194.2	19.42	4.4638E-04	1.55E-07	4.67E-07	2.70E-07	2.45E-07	1.12E-07	9.97E-08	6.07E-09	1.47E-07	0.00E+00	1.62E-07	0.00E+00	8.46E-08	4.0E-07	0.40	0.00	0.00041067
200	177.5	17.75	4.0799E-04	1.41E-07	4.26E-07	2.47E-07	2.24E-07	1.02E-07	9.12E-08	5.55E-09	1.34E-07	0.00E+00	1.48E-07	0.00E+00	7.74E-08	3.6E-07	0.36	0.00	0.000375355
225	161.9	16.19	3.7214E-04	1.29E-07	3.89E-07	2.25E-07	2.04E-07	9.31E-08	8.31E-08	5.06E-09	1.22E-07	0.00E+00	1.35E-07	0.00E+00	7.06E-08	3.3E-07	0.33	0.00	0.000342366
250	147.8	14.78	3.3973E-04	1.18E-07	3.55E-07	2.06E-07	1.86E-07	8.50E-08	7.59E-08	4.62E-09	1.12E-07	0.00E+00	1.23E-07	0.00E+00	6.44E-08	3.0E-07	0.30	0.00	0.000312549
275	135.3	13.53	3.1100E-04	1.08E-07	3.25E-07	1.88E-07	1.71E-07	7.78E-08	6.95E-08	4.23E-09	1.02E-07	0.00E+00	1.13E-07	0.00E+00	5.90E-08	2.8E-07	0.28	0.00	0.000286116
300	124.2	12.42	2.8548E-04	9.88E-08	2.98E-07	1.73E-07	1.57E-07	7.14E-08	6.38E-08	3.88E-09	9.38E-08	0.00E+00	1.03E-07	0.00E+00	5.41E-08	2.6E-07	0.26	0.00	0.000262643
325	114.5	11.45	2.6319E-04	9.11E-08	2.75E-07	1.59E-07	1.44E-07	6.59E-08	5.88E-08	3.58E-09	8.65E-08	0.00E+00	9.53E-08	0.00E+00	4.99E-08	2.4E-07	0.24	0.00	0.00024213
350	105.9	10.59	2.4342E-04	8.43E-08	2.54E-07	1.47E-07	1.34E-07	6.09E-08	5.44E-08	3.31E-09	8.00E-08	0.00E+00	8.81E-08	0.00E+00	4.61E-08	2.2E-07	0.22	0.00	0.000223944
375	98.23	9.82	2.2579E-04	7.82E-08	2.36E-07	1.37E-07	1.24E-07	5.65E-08	5.04E-08	3.07E-09	7.42E-08	0.00E+00	8.17E-08	0.00E+00	4.28E-08	2.0E-07	0.20	0.00	0.000207725
400	91.44	9.14	2.1018E-04	7.28E-08	2.20E-07	1.27E-07	1.15E-07	5.26E-08	4.70E-08	2.86E-09	6.90E-08	0.00E+00	7.61E-08	0.00E+00	3.98E-08	1.9E-07	0.19	0.00	0.000193366
425	85.38	8.54	1.9625E-04	6.79E-08	2.05E-07	1.19E-07	1.08E-07	4.91E-08	4.38E-08	2.67E-09	6.45E-08	0.00E+00	7.10E-08	0.00E+00	3.72E-08	1.8E-07	0.18	0.00	0.000180551
450	79.94	7.99	1.8375E-04	6.36E-08	1.92E-07	1.11E-07	1.01E-07	4.60E-08	4.11E-08	2.50E-09	6.04E-08	0.00E+00	6.65E-08	0.00E+00	3.48E-08	1.6E-07	0.16	0.00	0.000169047
475	75.05	7.51	1.7251E-04	5.97E-08	1.80E-07	1.04E-07	9.46E-08	4.32E-08	3.85E-08	2.35E-09	5.67E-08	0.00E+00	6.24E-08	0.00E+00	3.27E-08	1.5E-07	0.15	0.00	0.000158706
500	70.63	7.06	1.6235E-04	5.62E-08	1.70E-07	9.82E-08	8.90E-08	4.06E-08	3.63E-08	2.21E-09	5.33E-08	0.00E+00	5.88E-08	0.00E+00	3.08E-08	1.5E-07	0.15	0.00	0.00014936
525	66.63	6.66	1.5315E-04	5.30E-08	1.60E-07	9.27E-08	8.40E-08	3.83E-08	3.42E-08	2.08E-09	5.03E-08	0.00E+00	5.54E-08	0.00E+00	2.90E-08	1.4E-07	0.14	0.00	0.000140901
550	63	6.30	1.4481E-04	5.01E-08	1.51E-07	8.76E-08	7.94E-08	3.62E-08	3.24E-08	1.97E-09	4.76E-08	0.00E+00	5.24E-08	0.00E+00	2.75E-08	1.3E-07	0.13	0.00	0.000133225
575	59.68	5.97	1.3718E-04	4.75E-08	1.43E-07	8.30E-08	7.52E-08	3.43E-08	3.06E-08	1.87E-09	4.51E-08	0.00E+00	4.97E-08	0.00E+00	2.60E-08	1.2E-07	0.12	0.00	0.000126204
600	56.64	5.66	1.3019E-04	4.51E-08	1.36E-07	7.88E-08	7.14E-08	3.26E-08	2.91E-08	1.77E-09	4.28E-08	0.00E+00	4.71E-08	0.00E+00	2.47E-08	1.2E-07	0.12	0.00	0.000119775
625	53.86	5.39	1.2380E-04	4.29E-08	1.29E-07	7.49E-08	6.79E-08	3.10E-08	2.77E-08	1.68E-09	4.07E-08	0.00E+00	4.48E-08	0.00E+00	2.35E-08	1.1E-07	0.11	0.00	0.000113896
650	51.29	5.13	1.1789E-04	4.08E-08	1.23E-07	7.13E-08	6.47E-08	2.95E-08	2.63E-08	1.60E-09	3.87E-08	0.00E+00	4.27E-08	0.00E+00	2.24E-08	1.1E-07	0.11	0.00	0.000108462
675	48.93	4.89	1.1247E-04	3.89E-08	1.18E-07	6.81E-08	6.17E-08	2.81E-08	2.51E-08	1.5E-09	3.7E-08	0.0E+00	4.1E-08	0.0E+00	2.1E-08	1.0E-07	0.10	0.00	0.000103471
700	46.74	4.67	1.0743E-04	3.72E-08	1.12E-07	6.50E-08	5.89E-08	2.69E-08	2.40E-08	1.5E-09	3.5E-08	0.0E+00	3.9E-08	0.0E+00	2.0E-08	9.6E-08	0.10	0.00	9.88399E-05
725	44.71	4.47	1.0277E-04	3.56E-08	1.07E-07	6.22E-08	5.64E-08	2.57E-08	2.30E-08	1.4E-09	3.4E-08	0.0E+00	3.7E-08	0.0E+00	1.9E-08	9.2E-08	0.09	0.00	9.45471E-05
750	42.83	4.28	9.8447E-05	3.41E-08	1.03E-07	5.96E-08	5.40E-08	2.46E-08	2.20E-08	1.3E-09	3.2E-08	0.0E+00	3.6E-08	0.0E+00	1.9E-08	8.8E-08	0.09	0.00	9.05715E-05
775	41.08	4.11	9.4425E-05	3.27E-08	9.87E-08	5.71E-08	5.18E-08	2.36E-08	2.11E-08	1.3E-09	3.1E-08	0.0E+00	3.4E-08	0.0E+00	1.8E-08	8.4E-08	0.08	0.00	8.68709E-05
800	39.44	3.94	9.0655E-05	3.14E-08	9.48E-08	5.49E-08	4.97E-08	2.27E-08	2.03E-08	1.2E-09	3.0E-08	0.0E+00	3.3E-08	0.0E+00	1.7E-08	8.1E-08	0.08	0.00	8.34028E-05
825	37.91	3.79	8.7138E-05	3.02E-08	9.11E-08	5.27E-08	4.78E-08	2.18E-08	1.95E-08	1.2E-09	2.9E-08	0.0E+00	3.2E-08	0.0E+00	1.7E-08	7.8E-08	0.08	0.00	8.01673E-05
850	36.48	3.65	8.3851E-05	2.90E-08	8.76E-08	5.07E-08	4.60E-08	2.10E-08	1.87E-08	1.1E-09	2.8E-08	0.0E+00	3.0E-08	0.0E+00	1.6E-08	7.5E-08	0.07	0.00	7.71434E-05
875	35.14	3.51	8.0771E-05	2.80E-08	8.44E-08	4.89E-08	4.43E-08	2.02E-08	1.80E-08	1.1E-09	2.7E-08	0.0E+00	2.9E-08	0.0E+00	1.5E-08	7.2E-08	0.07	0.00	7.43097E-05
900	33.88	3.39	7.7875E-05	2.70E-08	8.14E-08	4.71E-08	4.27E-08	1.95E-08	1.74E-08	1.1E-09	2.6E-08	0.0E+00	2.8E-08	0.0E+00	1.5E-08	7.0E-08	0.07	0.00	7.16452E-05
925	32.7	3.27	7.5163E-05	2.60E-08	7.86E-08	4.55E-08	4.12E-08	1.88E-08	1.68E-08	1.0E-09	2.5E-08	0.0E+00	2.7E-08	0.0E+00	1.4E-08	6.7E-08	0.07	0.00	6.91499E-05
950	31.58	3.16	7.2589E-05	2.51E-08	7.59E-08	4.39E-08	3.98E-08	1.82E-08	1.62E-08	9.9E-10	2.4E-08	0.0E+00	2.6E-08	0.0E+00	1.4E-08	6.5E-08	0.06	0.00	6.67814E-05
975	30.53	3.05	7.0175E-05	2.43E-08	7.33E-08	4.25E-08	3.85E-08	1.76E-08	1.57E-08	9.5E-10	2.3E-08	0.0E+00	2.5E-08	0.0E+00	1.3E-08	6.3E-08	0.06	0.00	6.4561E-05
1000	29.53	2.95	6.7876E-05	2.35E-08	7.09E-08	4.11E-08	3.72E-08	1.70E-08	1.52E-08	9.2E-10	2.2E-08	0.0E+00	2.5E-08	0.0E+00	1.3E-08	6.1E-08	0.06	0.00	6.24464E-05
1025	28.59	2.86	6.5716E-05	2.27E-08	6.87E-08	3.98E-08	3.60E-08	1.64E-08	1.47E-08	8.9E-10	2.2E-08	0.0E+00	2.4E-08	0.0E+00	1.2E-08	5.9E-08	0.06	0.00	6.04586E-05
1050	27.7	2.77	6.3670E-05	2.20E-08	6.65E-08	3.85E-08	3.49E-08	1.59E-08	1.42E-08	8.7E-10	2.1E-08	0.0E+00	2.3E-08	0.0E+00	1.2E-08	5.7E-08	0.06	0.00	5.85765E-05
1075	26.85	2.69	6.1716E-05	2.14E-08	6.45E-08	3.73E-08	3.39E-08	1.54E-08	1.38E-08	8.4E-10	2.0E-08	0.0E+00	2.2E-08	0.0E+00	1.2E-08	5.5E-08	0.06	0.00	5.6779E-05
1100	26.05	2.61	5.9877E-05	2.07E-08	6.26E-08	3.62E-08	3.28E-08	1.50E-08	1.34E-08	8.1E-10	2.0E-08	0.0E+00	2.2E-08	0.0E+00	1.1E-08	5.4E-08	0.05	0.00	5.50873E-05
1125	25.28	2.53	5.8108E-05	2.01E-08	6.07E-08	3.52E-08	3.19E-08	1.45E-08	1.30E-08	7.9E-10	1.9E-08	0.0E+00	2.1E-08	0.0E+00	1.1E-08	5.2E-08	0.05	0.00	5.3459E-05
1150	24.56	2.46	5.6453E-05	1.95E-08	5.90E-08	3.42E-08	3.10E-08	1.41E-08	1.26E-08	7.7E-10	1.9E-08	0.0E+00	2.0E-08	0.0E+00	1.1E-08	5.0E-08	0.05	0.00	5.19364E-05
1175	23.87	2.39	5.4867E-05	1.90E-08	5.73E-08	3.32E-08	3.01E-08	1.37E-08	1.23E-08	7.5E-10	1.8E-08	0.0E+00	2.0E-08	0.0E+00	1.0E-08	4.9E-08	0.05	0.00	5.04773E-05
1200	23.21	2.32	5.3350E-05	1.85E-08	5.58E-08	3.23E-08	2.93E-08	1.34E-08	1.19E-08	7.3E-10	1.8E-08	0.0E+00	1.9E-08	0.0E+00	1.0E-08	4.8E-08	0.05	0.00	4.90816E-05
1225	22.58	2.26	5.1901E-05	1.80E-08	5.42E-08	3.14E-08	2.85E-08	1.30E-08	1.16E-08	7.1E-10	1.7E-08	0.0E+00	1.9E-08	0.0E+00	9.8E-09	4.6E-08	0.05	0.00	4.77494E-05
1250	21.98	2.20	5.0522E-05	1.75E-08	5.28E-08	3.06E-08	2.77E-08	1.26E-08	1.13E-08	6.9E-10	1.7E-08	0.0E+00	1.8E-08	0.0E+00	9.6E-09	4.5E-08	0.05	0.00	4.64806E-05
1275	21.4	2.14	4.9189E-05	1.70E-08	5.14E-08	2.98E-08	2.70E-08	1.23E-08	1.10E-08	6.7E-10	1.6E-08	0.0E+00	1.8E-08	0.0E+00	9.3E-09	4.4E-08	0.04	0.00	4.5254E-05
1300	20.86	2.09	4.7948E-05	1.66E-08	5.01E-08	2.90E-08	2.63E-08	1.20E-08	1.07E-08	6.5E-10	1.6E-08	0.0E+00	1.7E-08	0.0E+00	9.1E-09	4.3E-08	0.04	0.00	4.41121E-05
1325	20.33	2.03	4.6730E-05	1.62E-08	4.88E-08	2.83E-08	2.56E-08	1.17E-08	1.04E-08	6.4E-10	1.5E-08	0.0E+00	1.7E-08	0.0E+00	8.9E-09	4.2E-08	0.04	0.00	4.29913E-05
1350	19.83	1.98	4.5580E-05	1.58E-08	4.76E-08	2.76E-08	2.50E-08	1.14E-08	1.02E-08	6.2E-10	1.5E-08	0.0E+00	1.7E-08	0.0E+00	8.6E-09	4.1E-08	0.04	0.00	4.1934E-05
1375	19.34	1.93	4.4454E-05	1.54E-08	4.65E-08	2.69E-08	2.44E-08	1.11E-08	9.93E-09	6.0E-10	1.5E-08	0.0E+00	1.6E-08	0.0E+00	8.4E-09	4.0E-08	0.04	0.00	4.08978E-05
1400	18.88	1.89	4.3397E-05	1.50E-08	4.54E-08	2.63E-08	2.38E-08	1.09E-08	9.70E-09	5.9E-10	1.4E-08	0.0E+00	1.6E-08	0.0E+00	8.2E-09	3.9E-08	0.04	0.00	3.99251E-05
1425	18.44	1.84	4.2385E-05	1.47E-08	4.43E-08	2.56E-08	2.32E-08	1.06E-08	9.47E-09	5.8E-10	1.4E-08	0.0E+00	1.5E-08	0.0E+00	8.0E-09	3.8E-08	0.04	0.00	3.89946E-05
1450	18.01	1.80	4.1397E-05	1.43E-08	4.33E-08	2.50E-08	2.27E-08	1.04E-08	9.25E-09	5.6E-10	1.4E-08	0.0E+00	1.5E-08	0.0E+00	7.8E-09	3.7E-08	0.04	0.00	3.80853E-05
1475	17.6	1.76	4.0455E-05	1.40E-08	4.23E-08	2.45E-08	2.22E-08	1.01E-08	9.04E-09	5.5E-10	1.3E-08	0.0E+00	1.5E-08	0.0E+00	7.7E-09	3.6E-08	0.04	0.00	3.72183E-05
1500	17.2	1.72	3.9535E-05	1.37E-08	4.13E-08	2.39E-08	2.17E-08	9.89E-09	8.83E-09	5.4E-10	1.3E-08	0.0E+00	1.4E-08	0.0E+00	7.5E-09	3.5E-08	0.04	0.00	3.63724E-05
1525	16.82	1.68	3.8662E-05	1.34E-08	4.04E-08	2.34E-08	2.12E-08	9.68E-09	8.64E-09	5.3E-10	1.3E-08	0.0E+00	1.4E-08	0.0E+00	7.3E-09	3.5E-08	0.03	0.00	3.55688E-05
1550	16.46	1.65	3.7834E-05	1.31E-08	3.95E-08	2.29E-08	2.08E-08	9.47E-09	8.45E-09	5.1E-10	1.2E-08	0.0E+00	1.4E-08	0.0E+00	7.2E-09	3.4E-08	0.03	0.00	3.48076E-05
1575	16.1	1.61	3.7007E-05	1.28E-08	3.87E-08	2.24E-08	2.03E-08	9.26E-09	8.27E-09	5.0E-10	1.2E-08	0.0E+00	1.3E-08	0.0E+00	7.0E-09	3.3E-08	0.03	0.00	3.40463E-05
1600	15.76	1.58	3.6225E-05	1.25E-08	3.79E-08	2.19E-08	1.99E-08	9.07E-09	8.09E-09	4.9E-10	1.2E-08	0.0E+00	1.3E-08	0.0E+00	6.9E-09	3.2E-08	0.03	0.00	3.33273E-05
1625	15.44	1.54	3.5490E-05	1.23E-08	3.71E-08	2.15E-08	1.95E-08	8.88E-09	7.93E-09	4.8E-10	1.2E-08	0.0E+00	1.3E-08	0.0E+00	6.7E-09	3.2E-08	0.03	0.00	3.26506E-05
1650	15.12	1.51	3.4754E-05	1.20E-08	3.63E-08	2.10E-08	1.91E-08	8.70E-09	7.76E-09	4.7E-10	1.1E-08	0.0E+00	1.3E-08	0.0E+00	6.6E-09	3.1E-08	0.03	0.00	3.19739E-05
1675	14.81	1.48	3.4042E-05	1.18E-08	3.56E-08	2.06E-08	1.87E-08	8.52E-09	7.61E-09	4.6E-10	1.1E-08	0.0E+00	1.2E-08	0.0E+00	6.5E-09	3.0E-08	0.03	0.00	3.13183E-05
1700	14.52	1.45	3.3375E-05	1.16E-08	3.49E-08	2.02E-08	1.83E-08	8.35E-09	7.46E-09	4.5E-10	1.1E-08	0.0E+00	1.2E-08	0.0E+00	6.3E-09	3.0E-08	0.03	0.00	3.07051E-05
1725	14.23	1.42	3.2709E-05	1.13E-08	3.42E-08	1.98E-08	1.79E-08	8.19E-09	7.31E-09	4.4E-10	1.1E-08	0.0E+00	1.2E-08	0.0E+00	6.2E-09	2.9E-08	0.03	0.00	3.00918E-05
1750	13.96	1.40	3.2088E-05	1.11E-08	3.35E-08	1.94E-08	1.76E-08	8.03E-09	7.17E-09	4.4E-10	1.1E-08	0.0E+00	1.2E-08	0.0E+00	6.1E-09	2.9E-08	0.03	0.00	2.95209E-05

Loading Docks

2.30E-05 <-- 1 g/s to DPM scaling factor

PM2.5ex/DPM scaling factor –> 0.92

DIST	Unitized AERSCREEN output 1-HR	Annual (converted)	Scaled Annual	RESIDENTIAL 70-yr															
				Dose Inhallation						Risk									
(m)	(ug/m3)	(ug/m3)	(ug/m3)	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimester	0<2	2<9	2<16	16<30	16-70	Summed Risk	Risk Per Million	Chronic Hazard	PM2.5
1775	13.69	1.37	3.1467E-05	1.09E-08	3.29E-08	1.90E-08	1.73E-08	7.88E-09	7.03E-09	4.3E-10	1.0E-08	0.0E+00	1.1E-08	0.0E+00	6.0E-09	2.8E-08	0.03	0.00	2.89499E-05
1800	13.43	1.34	3.0870E-05	1.07E-08	3.23E-08	1.87E-08	1.69E-08	7.73E-09	6.90E-09	4.2E-10	1.0E-08	0.0E+00	1.1E-08	0.0E+00	5.9E-09	2.8E-08	0.03	0.00	2.84001E-05
1825	13.18	1.32	3.0295E-05	1.05E-08	3.17E-08	1.83E-08	1.66E-08	7.58E-09	6.77E-09	4.1E-10	1.0E-08	0.0E+00	1.1E-08	0.0E+00	5.7E-09	2.7E-08	0.03	0.00	2.78714E-05
1850	12.94	1.29	2.9743E-05	1.03E-08	3.11E-08	1.80E-08	1.63E-08	7.44E-09	6.65E-09	4.0E-10	9.8E-09	0.0E+00	1.1E-08	0.0E+00	5.6E-09	2.7E-08	0.03	0.00	2.73639E-05
1875	12.7	1.27	2.9192E-05	1.01E-08	3.05E-08	1.77E-08	1.60E-08	7.31E-09	6.52E-09	4.0E-10	9.6E-09	0.0E+00	1.1E-08	0.0E+00	5.5E-09	2.6E-08	0.03	0.00	2.68564E-05
1900	12.47	1.25	2.8663E-05	9.92E-09	3.00E-08	1.73E-08	1.57E-08	7.17E-09	6.40E-09	3.9E-10	9.4E-09	0.0E+00	1.0E-08	0.0E+00	5.4E-09	2.6E-08	0.03	0.00	2.637E-05
1925	12.25	1.23	2.8157E-05	9.75E-09	2.94E-08	1.70E-08	1.54E-08	7.05E-09	6.29E-09	3.8E-10	9.2E-09	0.0E+00	1.0E-08	0.0E+00	5.3E-09	2.5E-08	0.03	0.00	2.59048E-05
1950	12.04	1.20	2.7675E-05	9.58E-09	2.89E-08	1.67E-08	1.52E-08	6.93E-09	6.18E-09	3.8E-10	9.1E-09	0.0E+00	1.0E-08	0.0E+00	5.2E-09	2.5E-08	0.02	0.00	2.54607E-05
1975	11.83	1.18	2.7192E-05	9.41E-09	2.84E-08	1.65E-08	1.49E-08	6.81E-09	6.08E-09	3.7E-10	8.9E-09	0.0E+00	9.8E-09	0.0E+00	5.2E-09	2.4E-08	0.02	0.00	2.50166E-05
2000	11.63	1.16	2.6732E-05	9.25E-09	2.79E-08	1.62E-08	1.47E-08	6.69E-09	5.97E-09	3.6E-10	8.8E-09	0.0E+00	9.7E-09	0.0E+00	5.1E-09	2.4E-08	0.02	0.00	2.45937E-05
2025	11.43	1.14	2.6273E-05	9.09E-09	2.75E-08	1.59E-08	1.44E-08	6.58E-09	5.87E-09	3.6E-10	8.6E-09	0.0E+00	9.5E-09	0.0E+00	5.0E-09	2.3E-08	0.02	0.00	2.41707E-05
2050	11.24	1.12	2.5836E-05	8.94E-09	2.70E-08	1.56E-08	1.42E-08	6.47E-09	5.77E-09	3.5E-10	8.5E-09	0.0E+00	9.4E-09	0.0E+00	4.9E-09	2.3E-08	0.02	0.00	2.37689E-05
2075	11.06	1.11	2.5422E-05	8.80E-09	2.66E-08	1.54E-08	1.39E-08	6.36E-09	5.68E-09	3.5E-10	8.4E-09	0.0E+00	9.2E-09	0.0E+00	4.8E-09	2.3E-08	0.02	0.00	2.33883E-05
2100	10.88	1.09	2.5008E-05	8.66E-09	2.61E-08	1.51E-08	1.37E-08	6.26E-09	5.59E-09	3.4E-10	8.2E-09	0.0E+00	9.1E-09	0.0E+00	4.7E-09	2.2E-08	0.02	0.00	2.30077E-05
2125	10.7	1.07	2.4595E-05	8.51E-09	2.57E-08	1.49E-08	1.35E-08	6.16E-09	5.50E-09	3.3E-10	8.1E-09	0.0E+00	8.9E-09	0.0E+00	4.7E-09	2.2E-08	0.02	0.00	2.2627E-05
2150	10.53	1.05	2.4204E-05	8.38E-09	2.53E-08	1.46E-08	1.33E-08	6.06E-09	5.41E-09	3.3E-10	8.0E-09	0.0E+00	8.8E-09	0.0E+00	4.6E-09	2.2E-08	0.02	0.00	2.22675E-05
2175	10.37	1.04	2.3836E-05	8.25E-09	2.49E-08	1.44E-08	1.31E-08	5.97E-09	5.33E-09	3.2E-10	7.8E-09	0.0E+00	8.6E-09	0.0E+00	4.5E-09	2.1E-08	0.02	0.00	2.19292E-05
2200	10.21	1.02	2.3468E-05	8.12E-09	2.45E-08	1.42E-08	1.29E-08	5.87E-09	5.24E-09	3.2E-10	7.7E-09	0.0E+00	8.5E-09	0.0E+00	4.4E-09	2.1E-08	0.02	0.00	2.15908E-05
2225	10.05	1.01	2.3101E-05	8.00E-09	2.41E-08	1.40E-08	1.27E-08	5.78E-09	5.16E-09	3.1E-10	7.6E-09	0.0E+00	8.4E-09	0.0E+00	4.4E-09	2.1E-08	0.02	0.00	2.12525E-05
2250	9.898	0.99	2.2751E-05	7.88E-09	2.38E-08	1.38E-08	1.25E-08	5.69E-09	5.08E-09	3.1E-10	7.5E-09	0.0E+00	8.2E-09	0.0E+00	4.3E-09	2.0E-08	0.02	0.00	2.09311E-05
2275	9.749	0.97	2.2409E-05	7.76E-09	2.34E-08	1.36E-08	1.23E-08	5.61E-09	5.01E-09	3.0E-10	7.4E-09	0.0E+00	8.1E-09	0.0E+00	4.2E-09	2.0E-08	0.02	0.00	2.0616E-05
2300	9.605	0.96	2.2078E-05	7.64E-09	2.31E-08	1.34E-08	1.21E-08	5.53E-09	4.93E-09	3.0E-10	7.3E-09	0.0E+00	8.0E-09	0.0E+00	4.2E-09	2.0E-08	0.02	0.00	2.03115E-05
2325	9.464	0.95	2.1754E-05	7.53E-09	2.27E-08	1.32E-08	1.19E-08	5.44E-09	4.86E-09	3.0E-10	7.1E-09	0.0E+00	7.9E-09	0.0E+00	4.1E-09	1.9E-08	0.02	0.00	2.00133E-05
2350	9.327	0.93	2.1439E-05	7.42E-09	2.24E-08	1.30E-08	1.18E-08	5.37E-09	4.79E-09	2.9E-10	7.0E-09	0.0E+00	7.8E-09	0.0E+00	4.1E-09	1.9E-08	0.02	0.00	1.97236E-05
2375	9.193	0.92	2.1131E-05	7.31E-09	2.21E-08	1.28E-08	1.16E-08	5.29E-09	4.72E-09	2.9E-10	6.9E-09	0.0E+00	7.6E-09	0.0E+00	4.0E-09	1.9E-08	0.02	0.00	1.94402E-05
2400	9.063	0.91	2.0832E-05	7.21E-09	2.18E-08	1.26E-08	1.14E-08	5.21E-09	4.65E-09	2.8E-10	6.8E-09	0.0E+00	7.5E-09	0.0E+00	3.9E-09	1.9E-08	0.02	0.00	1.91653E-05
2425	8.936	0.89	2.0540E-05	7.11E-09	2.15E-08	1.24E-08	1.13E-08	5.14E-09	4.59E-09	2.8E-10	6.7E-09	0.0E+00	7.4E-09	0.0E+00	3.9E-09	1.8E-08	0.02	0.00	1.88967E-05
2450	8.813	0.88	2.0257E-05	7.01E-09	2.12E-08	1.23E-08	1.11E-08	5.07E-09	4.53E-09	2.8E-10	6.7E-09	0.0E+00	7.3E-09	0.0E+00	3.8E-09	1.8E-08	0.02	0.00	1.86366E-05
2475	8.692	0.87	1.9979E-05	6.92E-09	2.09E-08	1.21E-08	1.10E-08	5.00E-09	4.46E-09	2.7E-10	6.6E-09	0.0E+00	7.2E-09	0.0E+00	3.8E-09	1.8E-08	0.02	0.00	1.83808E-05
2500	8.574	0.86	1.9708E-05	6.82E-09	2.06E-08	1.19E-08	1.08E-08	4.93E-09	4.40E-09	2.7E-10	6.5E-09	0.0E+00	7.1E-09	0.0E+00	3.7E-09	1.8E-08	0.02	0.00	1.81312E-05
2525	8.459	0.85	1.9444E-05	6.73E-09	2.03E-08	1.18E-08	1.07E-08	4.87E-09	4.34E-09	2.6E-10	6.4E-09	0.0E+00	7.0E-09	0.0E+00	3.7E-09	1.7E-08	0.02	0.00	1.7888E-05
2550	8.347	0.83	1.9186E-05	6.64E-09	2.01E-08	1.16E-08	1.05E-08	4.80E-09	4.29E-09	2.6E-10	6.3E-09	0.0E+00	6.9E-09	0.0E+00	3.6E-09	1.7E-08	0.02	0.00	1.76512E-05
2575	8.238	0.82	1.8936E-05	6.55E-09	1.98E-08	1.15E-08	1.04E-08	4.74E-09	4.23E-09	2.6E-10	6.2E-09	0.0E+00	6.9E-09	0.0E+00	3.6E-09	1.7E-08	0.02	0.00	1.74207E-05
2600	8.131	0.81	1.8690E-05	6.47E-09	1.95E-08	1.13E-08	1.03E-08	4.68E-09	4.18E-09	2.5E-10	6.1E-09	0.0E+00	6.8E-09	0.0E+00	3.5E-09	1.7E-08	0.02	0.00	1.71944E-05
2625	8.027	0.80	1.8451E-05	6.39E-09	1.93E-08	1.12E-08	1.01E-08	4.62E-09	4.12E-09	2.5E-10	6.1E-09	0.0E+00	6.7E-09	0.0E+00	3.5E-09	1.6E-08	0.02	0.00	1.69745E-05
2650	7.925	0.79	1.8216E-05	6.31E-09	1.90E-08	1.10E-08	9.99E-09	4.56E-09	4.07E-09	2.5E-10	6.0E-09	0.0E+00	6.6E-09	0.0E+00	3.5E-09	1.6E-08	0.02	0.00	1.67588E-05
2675	7.826	0.78	1.7989E-05	6.23E-09	1.88E-08	1.09E-08	9.87E-09	4.50E-09	4.02E-09	2.4E-10	5.9E-09	0.0E+00	6.5E-09	0.0E+00	3.4E-09	1.6E-08	0.02	0.00	1.65494E-05
2700	7.729	0.77	1.7766E-05	6.15E-09	1.86E-08	1.07E-08	9.74E-09	4.45E-09	3.97E-09	2.4E-10	5.8E-09	0.0E+00	6.4E-09	0.0E+00	3.4E-09	1.6E-08	0.02	0.00	1.63443E-05
2725	7.634	0.76	1.7547E-05	6.07E-09	1.83E-08	1.06E-08	9.62E-09	4.39E-09	3.92E-09	2.4E-10	5.8E-09	0.0E+00	6.4E-09	0.0E+00	3.3E-09	1.6E-08	0.02	0.00	1.61434E-05
2750	7.541	0.75	1.7333E-05	6.00E-09	1.81E-08	1.05E-08	9.51E-09	4.34E-09	3.87E-09	2.4E-10	5.7E-09	0.0E+00	6.3E-09	0.0E+00	3.3E-09	1.5E-08	0.02	0.00	1.59468E-05
2775	7.451	0.75	1.7127E-05	5.93E-09	1.79E-08	1.04E-08	9.39E-09	4.29E-09	3.83E-09	2.3E-10	5.6E-09	0.0E+00	6.2E-09	0.0E+00	3.2E-09	1.5E-08	0.02	0.00	1.57564E-05
2800	7.362	0.74	1.6922E-05	5.86E-09	1.77E-08	1.02E-08	9.28E-09	4.24E-09	3.78E-09	2.3E-10	5.6E-09	0.0E+00	6.1E-09	0.0E+00	3.2E-09	1.5E-08	0.02	0.00	1.55682E-05
2825	7.276	0.73	1.6724E-05	5.79E-09	1.75E-08	1.01E-08	9.17E-09	4.19E-09	3.74E-09	2.3E-10	5.5E-09	0.0E+00	6.1E-09	0.0E+00	3.2E-09	1.5E-08	0.01	0.00	1.53864E-05
2850	7.191	0.72	1.6529E-05	5.72E-09	1.73E-08	1.00E-08	9.07E-09	4.14E-09	3.69E-09	2.2E-10	5.4E-09	0.0E+00	6.0E-09	0.0E+00	3.1E-09	1.5E-08	0.01	0.00	1.52066E-05
2875	7.108	0.71	1.6338E-05	5.66E-09	1.71E-08	9.89E-09	8.96E-09	4.09E-09	3.65E-09	2.2E-10	5.4E-09	0.0E+00	5.9E-09	0.0E+00	3.1E-09	1.5E-08	0.01	0.00	1.50311E-05
2900	7.027	0.70	1.6152E-05	5.59E-09	1.69E-08	9.77E-09	8.86E-09	4.04E-09	3.61E-09	2.2E-10	5.3E-09	0.0E+00	5.8E-09	0.0E+00	3.1E-09	1.4E-08	0.01	0.00	1.48598E-05
2925	6.948	0.69	1.5970E-05	5.53E-09	1.67E-08	9.66E-09	8.76E-09	4.00E-09	3.57E-09	2.2E-10	5.2E-09	0.0E+00	5.8E-09	0.0E+00	3.0E-09	1.4E-08	0.01	0.00	1.46928E-05
2950	6.871	0.69	1.5793E-05	5.47E-09	1.65E-08	9.56E-09	8.66E-09	3.95E-09	3.53E-09	2.1E-10	5.2E-09	0.0E+00	5.7E-09	0.0E+00	3.0E-09	1.4E-08	0.01	0.00	1.45299E-05
2975	6.795	0.68	1.5619E-05	5.41E-09	1.63E-08	9.45E-09	8.57E-09	3.91E-09	3.49E-09	2.1E-10	5.1E-09	0.0E+00	5.7E-09	0.0E+00	3.0E-09	1.4E-08	0.01	0.00	1.43692E-05
3000	6.72	0.67	1.5446E-05	5.35E-09	1.61E-08	9.35E-09	8.47E-09	3.87E-09	3.45E-09	2.1E-10	5.1E-09	0.0E+00	5.6E-09	0.0E+00	2.9E-09	1.4E-08	0.01	0.00	1.42106E-05
3025	6.642	0.66	1.5267E-05	5.28E-09	1.60E-08	9.24E-09	8.37E-09	3.82E-09	3.41E-09	2.1E-10	5.0E-09	0.0E+00	5.5E-09	0.0E+00	2.9E-09	1.4E-08	0.01	0.00	1.40457E-05
3050	6.566	0.66	1.5092E-05	5.22E-09	1.58E-08	9.13E-09	8.28E-09	3.78E-09	3.37E-09	2.1E-10	5.0E-09	0.0E+00	5.5E-09	0.0E+00	2.9E-09	1.3E-08	0.01	0.00	1.3885E-05
3075	6.491	0.65	1.4920E-05	5.16E-09	1.56E-08	9.03E-09	8.18E-09	3.73E-09	3.33E-09	2.0E-10	4.9E-09	0.0E+00	5.4E-09	0.0E+00	2.8E-09	1.3E-08	0.01	0.00	1.37264E-05
3100	6.418	0.64	1.4752E-05	5.11E-09	1.54E-08	8.93E-09	8.09E-09	3.69E-09	3.30E-09	2.0E-10	4.8E-09	0.0E+00	5.3E-09	0.0E+00	2.8E-09	1.3E-08	0.01	0.00	1.3572E-05
3125	6.346	0.63	1.4587E-05	5.05E-09	1.52E-08	8.83E-09	8.00E-09	3.65E-09	3.26E-09	2.0E-10	4.8E-09	0.0E+00	5.3E-09	0.0E+00	2.8E-09	1.3E-08	0.01	0.00	1.34197E-05
3150	6.276	0.63	1.4426E-05	4.99E-09	1.51E-08	8.73E-09	7.91E-09	3.61E-09	3.22E-09	2.0E-10	4.7E-09	0.0E+00	5.2E-09	0.0E+00	2.7E-09	1.3E-08	0.01	0.00	1.32717E-05
3175	6.206	0.62	1.4265E-05	4.94E-09	1.49E-08	8.63E-09	7.82E-09	3.57E-09	3.19E-09	1.9E-10	4.7E-09	0.0E+00	5.2E-09	0.0E+00	2.7E-09	1.3E-08	0.01	0.00	1.31237E-05
3200	6.138	0.61	1.4109E-05	4.88E-09	1.47E-08	8.54E-09	7.74E-09	3.53E-09	3.15E-09	1.9E-10	4.6E-09	0.0E+00	5.1E-09	0.0E+00	2.7E-09	1.3E-08	0.01	0.00	1.29799E-05
3225	6.072	0.61	1.3957E-05	4.83E-09	1.46E-08	8.44E-09	7.66E-09	3.49E-09	3.12E-09	1.9E-10	4.6E-09	0.0E+00	5.1E-09	0.0E+00	2.6E-09	1.2E-08	0.01	0.00	1.28403E-05
3250	6.006	0.60	1.3805E-05	4.78E-09	1.44E-08	8.35E-09	7.57E-09	3.46E-09	3.08E-09	1.9E-10	4.5E-09	0.0E+00	5.0E-09	0.0E+00	2.6E-09	1.2E-08	0.01	0.00	1.27007E-05
3275	5.942	0.59	1.3658E-05	4.73E-09	1.43E-08	8.26E-09	7.49E-09	3.42E-09	3.05E-09	1.9E-10	4.5E-09	0.0E+00	4.9E-09	0.0E+00	2.6E-09	1.2E-08	0.01	0.00	1.25654E-05
3300	5.879	0.59	1.3513E-05	4.68E-09	1.41E-08	8.18E-09	7.41E-09	3.38E-09	3.02E-09	1.8E-10	4.4E-09	0.0E+00	4.9E-09	0.0E+00	2.6E-09	1.2E-08	0.01	0.00	1.24322E-05
3325	5.817	0.58	1.3371E-05	4.63E-09	1.40E-08	8.09E-09	7.33E-09	3.35E-09	2.99E-09	1.8E-10	4.4E-09	0.0E+00	4.8E-09	0.0E+00	2.5E-09	1.2E-08	0.01	0.00	1.23011E-05
3350	5.755	0.58	1.3228E-05	4.58E-09	1.38E-08	8.00E-09	7.26E-09	3.31E-09	2.96E-09	1.8E-10	4.3E-09	0.0E+00	4.8E-09	0.0E+00	2.5E-09	1.2E-08	0.01	0.00	1.217E-05
3375	5.695	0.57	1.3090E-05	4.53E-09	1.37E-08	7.92E-09	7.18E-09	3.28E-09	2.92E-09	1.8E-10	4.3E-09	0.0E+00	4.7E-09	0.0E+00	2.5E-09	1.2E-08	0.01	0.00	1.20431E-05
3400	5.637	0.56	1.2957E-05	4.49E-09	1.35E-08	7.84E-09	7.11E-09	3.24E-09	2.89E-09	1.8E-10	4.3E-09	0.0E+00	4.7E-09	0.0E+00	2.5E-09	1.2E-08	0.01	0.00	1.19204E-05
3425	5.579	0.56	1.2824E-05	4.44E-09	1.34E-08	7.76E-09	7.03E-09	3.21E-09	2.87E-09	1.7E-10	4.2E-09	0.0E+00	4.6E-09	0.0E+00	2.4E-09	1.1E-08	0.01	0.00	1.17978E-05
3450	5.522	0.55	1.2693E-05	4.39E-09	1.33E-08	7.68E-09	6.96E-09	3.18E-09	2.84E-09	1.7E-10	4.2E-09	0.0E+00	4.6E-09	0.0E+00	2.4E-09	1.1E-08	0.01	0.00	1.16772E-05
3475	5.466	0.55	1.2564E-05	4.35E-09	1.31E-08	7.60E-09	6.89E-09	3.14E-09	2.81E-09	1.7E-10	4.1E-09	0.0E+00	4.5E-09	0.0E+00	2.4E-09	1.1E-08	0.01	0.00	1.15588E-05
3500	5.411	0.54	1.2438E-05	4.31E-09	1.30E-08	7.53E-09	6.82E-09	3.11E-09	2.78E-09	1.7E-10	4.1E-09	0.0E+00	4.5E-09	0.0E+00	2.4E-09	1.1E-08	0.01	0.00	1.14425E-05
3525	5.357	0.54	1.2313E-05	4.26E-09	1.29E-08	7.45E-09	6.75E-09	3.08E-09	2.75E-09	1.7E-10	4.0E-09	0.0E+00	4.5E-09	0.0E+00	2.3E-09	1.1E-08	0.01	0.00	1.13283E-05

Loading Docks

2.30E-05 <-- 1 g/s to DPM scaling factor

PM2.5ex/DPM scaling factor –> 0.92

DIST	Unitized AERSCREEN output 1-HR	Annual (converted)	Scaled Annual	RESIDENTIAL 70-yr															
				Dose Inhallation						Risk									
(m)	(ug/m3)	(ug/m3)	(ug/m3)	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimester	0<2	2<9	2<16	16<30	16-70	Summed Risk	Risk Per Million	Chronic Hazard	PM2.5
3550	5.303	0.53	1.2189E-05	4.22E-09	1.27E-08	7.38E-09	6.69E-09	3.05E-09	2.72E-09	1.7E-10	4.0E-09	0.0E+00	4.4E-09	0.0E+00	2.3E-09	1.1E-08	0.01	0.00	1.12141E-05
3575	5.251	0.53	1.2070E-05	4.18E-09	1.26E-08	7.30E-09	6.62E-09	3.02E-09	2.70E-09	1.6E-10	4.0E-09	0.0E+00	4.4E-09	0.0E+00	2.3E-09	1.1E-08	0.01	0.00	1.11042E-05
3600	5.199	0.52	1.1950E-05	4.14E-09	1.25E-08	7.23E-09	6.55E-09	2.99E-09	2.67E-09	1.6E-10	3.9E-09	0.0E+00	4.3E-09	0.0E+00	2.3E-09	1.1E-08	0.01	0.00	1.09942E-05
3625	5.149	0.51	1.1835E-05	4.10E-09	1.24E-08	7.16E-09	6.49E-09	2.96E-09	2.64E-09	1.6E-10	3.9E-09	0.0E+00	4.3E-09	0.0E+00	2.2E-09	1.1E-08	0.01	0.00	1.08885E-05
3650	5.099	0.51	1.1720E-05	4.06E-09	1.23E-08	7.09E-09	6.43E-09	2.93E-09	2.62E-09	1.6E-10	3.9E-09	0.0E+00	4.2E-09	0.0E+00	2.2E-09	1.0E-08	0.01	0.00	1.07827E-05
3675	5.05	0.51	1.1608E-05	4.02E-09	1.21E-08	7.02E-09	6.37E-09	2.91E-09	2.59E-09	1.6E-10	3.8E-09	0.0E+00	4.2E-09	0.0E+00	2.2E-09	1.0E-08	0.01	0.00	1.06791E-05
3700	5.002	0.50	1.1497E-05	3.98E-09	1.20E-08	6.96E-09	6.31E-09	2.88E-09	2.57E-09	1.6E-10	3.8E-09	0.0E+00	4.2E-09	0.0E+00	2.2E-09	1.0E-08	0.01	0.00	1.05776E-05
3725	4.954	0.50	1.1387E-05	3.94E-09	1.19E-08	6.89E-09	6.25E-09	2.85E-09	2.54E-09	1.5E-10	3.7E-09	0.0E+00	4.1E-09	0.0E+00	2.2E-09	1.0E-08	0.01	0.00	1.04761E-05
3750	4.907	0.49	1.1279E-05	3.90E-09	1.18E-08	6.82E-09	6.19E-09	2.82E-09	2.52E-09	1.5E-10	3.7E-09	0.0E+00	4.1E-09	0.0E+00	2.1E-09	1.0E-08	0.01	0.00	1.03767E-05
3775	4.861	0.49	1.1173E-05	3.87E-09	1.17E-08	6.76E-09	6.13E-09	2.80E-09	2.50E-09	1.5E-10	3.7E-09	0.0E+00	4.0E-09	0.0E+00	2.1E-09	1.0E-08	0.01	0.00	1.02794E-05
3800	4.816	0.48	1.1070E-05	3.83E-09	1.16E-08	6.70E-09	6.07E-09	2.77E-09	2.47E-09	1.5E-10	3.6E-09	0.0E+00	4.0E-09	0.0E+00	2.1E-09	9.9E-09	0.01	0.00	1.01843E-05
3825	4.771	0.48	1.0966E-05	3.80E-09	1.15E-08	6.64E-09	6.02E-09	2.74E-09	2.45E-09	1.5E-10	3.6E-09	0.0E+00	4.0E-09	0.0E+00	2.1E-09	9.8E-09	0.01	0.00	1.00891E-05
3850	4.727	0.47	1.0865E-05	3.76E-09	1.14E-08	6.57E-09	5.96E-09	2.72E-09	2.43E-09	1.5E-10	3.6E-09	0.0E+00	3.9E-09	0.0E+00	2.1E-09	9.7E-09	0.01	0.00	9.99607E-06
3875	4.684	0.47	1.0766E-05	3.73E-09	1.13E-08	6.51E-09	5.91E-09	2.69E-09	2.41E-09	1.5E-10	3.5E-09	0.0E+00	3.9E-09	0.0E+00	2.0E-09	9.6E-09	0.01	0.00	9.90514E-06
3900	4.641	0.46	1.0668E-05	3.69E-09	1.11E-08	6.45E-09	5.85E-09	2.67E-09	2.38E-09	1.5E-10	3.5E-09	0.0E+00	3.9E-09	0.0E+00	2.0E-09	9.5E-09	0.01	0.00	9.81421E-06
3925	4.599	0.46	1.0571E-05	3.66E-09	1.10E-08	6.40E-09	5.80E-09	2.65E-09	2.36E-09	1.4E-10	3.5E-09	0.0E+00	3.8E-09	0.0E+00	2.0E-09	9.4E-09	0.01	0.00	9.72539E-06
3950	4.558	0.46	1.0477E-05	3.63E-09	1.10E-08	6.34E-09	5.75E-09	2.62E-09	2.34E-09	1.4E-10	3.4E-09	0.0E+00	3.8E-09	0.0E+00	2.0E-09	9.4E-09	0.01	0.00	9.63869E-06
3975	4.517	0.45	1.0383E-05	3.59E-09	1.09E-08	6.28E-09	5.69E-09	2.60E-09	2.32E-09	1.4E-10	3.4E-09	0.0E+00	3.8E-09	0.0E+00	2.0E-09	9.3E-09	0.01	0.00	9.55199E-06
4000	4.477	0.45	1.0291E-05	3.56E-09	1.08E-08	6.23E-09	5.64E-09	2.58E-09	2.30E-09	1.4E-10	3.4E-09	0.0E+00	3.7E-09	0.0E+00	2.0E-09	9.2E-09	0.01	0.00	9.4674E-06
4025	4.437	0.44	1.0199E-05	3.53E-09	1.07E-08	6.17E-09	5.59E-09	2.55E-09	2.28E-09	1.4E-10	3.4E-09	0.0E+00	3.7E-09	0.0E+00	1.9E-09	9.1E-09	0.01	0.00	9.38281E-06
4050	4.398	0.44	1.0109E-05	3.50E-09	1.06E-08	6.12E-09	5.54E-09	2.53E-09	2.26E-09	1.4E-10	3.3E-09	0.0E+00	3.7E-09	0.0E+00	1.9E-09	9.0E-09	0.01	0.00	9.30034E-06
4075	4.36	0.44	1.0022E-05	3.47E-09	1.05E-08	6.06E-09	5.50E-09	2.51E-09	2.24E-09	1.4E-10	3.3E-09	0.0E+00	3.6E-09	0.0E+00	1.9E-09	9.0E-09	0.01	0.00	9.21998E-06
4100	4.322	0.43	9.9344E-06	3.44E-09	1.04E-08	6.01E-09	5.45E-09	2.49E-09	2.22E-09	1.4E-10	3.3E-09	0.0E+00	3.6E-09	0.0E+00	1.9E-09	8.9E-09	0.01	0.00	9.13963E-06
4125	4.285	0.43	9.8493E-06	3.41E-09	1.03E-08	5.96E-09	5.40E-09	2.47E-09	2.20E-09	1.3E-10	3.2E-09	0.0E+00	3.6E-09	0.0E+00	1.9E-09	8.8E-09	0.01	0.00	9.06138E-06
4150	4.248	0.42	9.7643E-06	3.38E-09	1.02E-08	5.91E-09	5.36E-09	2.44E-09	2.18E-09	1.3E-10	3.2E-09	0.0E+00	3.5E-09	0.0E+00	1.9E-09	8.7E-09	0.01	0.00	8.98314E-06
4175	4.211	0.42	9.6792E-06	3.35E-09	1.01E-08	5.86E-09	5.31E-09	2.42E-09	2.16E-09	1.3E-10	3.2E-09	0.0E+00	3.5E-09	0.0E+00	1.8E-09	8.7E-09	0.01	0.00	8.9049E-06
4200	4.176	0.42	9.5988E-06	3.32E-09	1.00E-08	5.81E-09	5.26E-09	2.40E-09	2.14E-09	1.3E-10	3.2E-09	0.0E+00	3.5E-09	0.0E+00	1.8E-09	8.6E-09	0.01	0.00	8.83088E-06
4225	4.14	0.41	9.5160E-06	3.29E-09	9.95E-09	5.76E-09	5.22E-09	2.38E-09	2.13E-09	1.3E-10	3.1E-09	0.0E+00	3.4E-09	0.0E+00	1.8E-09	8.5E-09	0.01	0.00	8.75476E-06
4250	4.106	0.41	9.4379E-06	3.27E-09	9.86E-09	5.71E-09	5.18E-09	2.36E-09	2.11E-09	1.3E-10	3.1E-09	0.0E+00	3.4E-09	0.0E+00	1.8E-09	8.4E-09	0.01	0.00	8.68286E-06
4275	4.071	0.41	9.3574E-06	3.24E-09	9.78E-09	5.66E-09	5.13E-09	2.34E-09	2.09E-09	1.3E-10	3.1E-09	0.0E+00	3.4E-09	0.0E+00	1.8E-09	8.4E-09	0.01	0.00	8.60884E-06
4300	4.037	0.40	9.2793E-06	3.21E-09	9.70E-09	5.61E-09	5.09E-09	2.32E-09	2.07E-09	1.3E-10	3.0E-09	0.0E+00	3.4E-09	0.0E+00	1.8E-09	8.3E-09	0.01	0.00	8.53694E-06
4325	4.004	0.40	9.2034E-06	3.19E-09	9.62E-09	5.57E-09	5.05E-09	2.30E-09	2.06E-09	1.3E-10	3.0E-09	0.0E+00	3.3E-09	0.0E+00	1.7E-09	8.2E-09	0.01	0.00	8.46716E-06
4350	3.971	0.40	9.1276E-06	3.16E-09	9.54E-09	5.52E-09	5.01E-09	2.28E-09	2.04E-09	1.2E-10	3.0E-09	0.0E+00	3.3E-09	0.0E+00	1.7E-09	8.2E-09	0.01	0.00	8.39738E-06
4375	3.939	0.39	9.0540E-06	3.13E-09	9.46E-09	5.48E-09	4.97E-09	2.27E-09	2.02E-09	1.2E-10	3.0E-09	0.0E+00	3.3E-09	0.0E+00	1.7E-09	8.1E-09	0.01	0.00	8.32971E-06
4400	3.906	0.39	8.9782E-06	3.11E-09	9.38E-09	5.43E-09	4.92E-09	2.25E-09	2.01E-09	1.2E-10	2.9E-09	0.0E+00	3.3E-09	0.0E+00	1.7E-09	8.0E-09	0.01	0.00	8.25992E-06
4425	3.875	0.39	8.9069E-06	3.08E-09	9.31E-09	5.39E-09	4.89E-09	2.23E-09	1.99E-09	1.2E-10	2.9E-09	0.0E+00	3.2E-09	0.0E+00	1.7E-09	8.0E-09	0.01	0.00	8.19437E-06
4450	3.844	0.38	8.8357E-06	3.06E-09	9.24E-09	5.35E-09	4.85E-09	2.21E-09	1.97E-09	1.2E-10	2.9E-09	0.0E+00	3.2E-09	0.0E+00	1.7E-09	7.9E-09	0.01	0.00	8.12881E-06
4475	3.813	0.38	8.7644E-06	3.03E-09	9.16E-09	5.30E-09	4.81E-09	2.19E-09	1.96E-09	1.2E-10	2.9E-09	0.0E+00	3.2E-09	0.0E+00	1.7E-09	7.8E-09	0.01	0.00	8.06326E-06
4500	3.782	0.38	8.6932E-06	3.01E-09	9.09E-09	5.26E-09	4.77E-09	2.18E-09	1.94E-09	1.2E-10	2.9E-09	0.0E+00	3.1E-09	0.0E+00	1.6E-09	7.8E-09	0.01	0.00	7.9977E-06
4525	3.752	0.38	8.6242E-06	2.99E-09	9.01E-09	5.22E-09	4.73E-09	2.16E-09	1.93E-09	1.2E-10	2.8E-09	0.0E+00	3.1E-09	0.0E+00	1.6E-09	7.7E-09	0.01	0.00	7.93426E-06
4550	3.723	0.37	8.5575E-06	2.96E-09	8.94E-09	5.18E-09	4.69E-09	2.14E-09	1.91E-09	1.2E-10	2.8E-09	0.0E+00	3.1E-09	0.0E+00	1.6E-09	7.6E-09	0.01	0.00	7.87294E-06
4575	3.694	0.37	8.4909E-06	2.94E-09	8.87E-09	5.14E-09	4.66E-09	2.13E-09	1.90E-09	1.2E-10	2.8E-09	0.0E+00	3.1E-09	0.0E+00	1.6E-09	7.6E-09	0.01	0.00	7.81161E-06
4600	3.665	0.37	8.4242E-06	2.92E-09	8.81E-09	5.10E-09	4.62E-09	2.11E-09	1.88E-09	1.1E-10	2.8E-09	0.0E+00	3.0E-09	0.0E+00	1.6E-09	7.5E-09	0.01	0.00	7.75028E-06
4625	3.636	0.36	8.3576E-06	2.89E-09	8.74E-09	5.06E-09	4.58E-09	2.09E-09	1.87E-09	1.1E-10	2.7E-09	0.0E+00	3.0E-09	0.0E+00	1.6E-09	7.5E-09	0.01	0.00	7.68896E-06
4650	3.608	0.36	8.2932E-06	2.87E-09	8.67E-09	5.02E-09	4.55E-09	2.08E-09	1.85E-09	1.1E-10	2.7E-09	0.0E+00	3.0E-09	0.0E+00	1.6E-09	7.4E-09	0.01	0.00	7.62975E-06
4675	3.58	0.36	8.2288E-06	2.85E-09	8.60E-09	4.98E-09	4.51E-09	2.06E-09	1.84E-09	1.1E-10	2.7E-09	0.0E+00	3.0E-09	0.0E+00	1.6E-09	7.4E-09	0.01	0.00	7.57054E-06
4700	3.553	0.36	8.1668E-06	2.83E-09	8.54E-09	4.94E-09	4.48E-09	2.04E-09	1.82E-09	1.1E-10	2.7E-09	0.0E+00	3.0E-09	0.0E+00	1.5E-09	7.3E-09	0.01	0.00	7.51344E-06
4725	3.526	0.35	8.1047E-06	2.81E-09	8.47E-09	4.90E-09	4.45E-09	2.03E-09	1.81E-09	1.1E-10	2.7E-09	0.0E+00	2.9E-09	0.0E+00	1.5E-09	7.2E-09	0.01	0.00	7.45634E-06
4750	3.499	0.35	8.0427E-06	2.78E-09	8.41E-09	4.87E-09	4.41E-09	2.01E-09	1.80E-09	1.1E-10	2.6E-09	0.0E+00	2.9E-09	0.0E+00	1.5E-09	7.2E-09	0.01	0.00	7.39925E-06
4775	3.473	0.35	7.9829E-06	2.76E-09	8.34E-09	4.83E-09	4.38E-09	2.00E-09	1.78E-09	1.1E-10	2.6E-09	0.0E+00	2.9E-09	0.0E+00	1.5E-09	7.1E-09	0.01	0.00	7.34427E-06
4800	3.447	0.34	7.9231E-06	2.74E-09	8.28E-09	4.79E-09	4.35E-09	1.98E-09	1.77E-09	1.1E-10	2.6E-09	0.0E+00	2.9E-09	0.0E+00	1.5E-09	7.1E-09	0.01	0.00	7.28929E-06
4825	3.421	0.34	7.8634E-06	2.72E-09	8.22E-09	4.76E-09	4.31E-09	1.97E-09	1.76E-09	1.1E-10	2.6E-09	0.0E+00	2.8E-09	0.0E+00	1.5E-09	7.0E-09	0.01	0.00	7.2343E-06
4850	3.395	0.34	7.8036E-06	2.70E-09	8.16E-09	4.72E-09	4.28E-09	1.95E-09	1.74E-09	1.1E-10	2.6E-09	0.0E+00	2.8E-09	0.0E+00	1.5E-09	7.0E-09	0.01	0.00	7.17932E-06
4875	3.37	0.34	7.7461E-06	2.68E-09	8.10E-09	4.69E-09	4.25E-09	1.94E-09	1.73E-09	1.1E-10	2.5E-09	0.0E+00	2.8E-09	0.0E+00	1.5E-09	6.9E-09	0.01	0.00	7.12646E-06
4900	3.345	0.33	7.6887E-06	2.66E-09	8.04E-09	4.65E-09	4.22E-09	1.92E-09	1.72E-09	1.0E-10	2.5E-09	0.0E+00	2.8E-09	0.0E+00	1.5E-09	6.9E-09	0.01	0.00	7.07359E-06
4925	3.321	0.33	7.6335E-06	2.64E-09	7.98E-09	4.62E-09	4.19E-09	1.91E-09	1.71E-09	1.0E-10	2.5E-09	0.0E+00	2.8E-09	0.0E+00	1.4E-09	6.8E-09	0.01	0.00	7.02284E-06
4950	3.296	0.33	7.5761E-06	2.62E-09	7.92E-09	4.58E-09	4.16E-09	1.90E-09	1.69E-09	1.0E-10	2.5E-09	0.0E+00	2.7E-09	0.0E+00	1.4E-09	6.8E-09	0.01	0.00	6.96997E-06
4975	3.273	0.33	7.5232E-06	2.60E-09	7.86E-09	4.55E-09	4.13E-09	1.88E-09	1.68E-09	1.0E-10	2.5E-09	0.0E+00	2.7E-09	0.0E+00	1.4E-09	6.7E-09	0.01	0.00	6.92133E-06
5000	3.249	0.32	7.4680E-06	2.59E-09	7.81E-09	4.52E-09	4.10E-09	1.87E-09	1.67E-09	1.0E-10	2.5E-09	0.0E+00	2.7E-09	0.0E+00	1.4E-09	6.7E-09	0.01	0.00	6.87058E-06

Loading Docks

			2.30E-05																
	Unitized AERSCREEN output		Scaled	DAYCARE (6-yr)															
DIST	1-HR	Annual (converted)	Annual	Dose Inhallation						Risk									
(m)	(ug/m3)	(ug/m3)	(ug/m3)	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimester	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	Chronic Hazard	PM2.5
1	0.7809	0.08	1.7949E-06	1.48E-10	4.92E-10	2.62E-10	2.13E-10	9.84E-11	9.43E-11	2E-11	5E-10	2E-10	0E+00	0E+00	0E+00	7E-10	0.00	4E-07	2E-06
25	537.1	53.71	1.2346E-03	1.02E-07	3.38E-07	1.80E-07	1.47E-07	6.76E-08	6.48E-08	1E-08	4E-07	1E-07	0E+00	0E+00	0E+00	5E-07	0.48	2E-04	1E-03
50	269.5	26.95	6.1946E-04	5.11E-08	1.70E-07	9.05E-08	7.35E-08	3.39E-08	3.25E-08	7E-09	2E-07	6E-08	0E+00	0E+00	0E+00	2E-07	0.24	1E-04	6E-04
75	342.4	34.24	7.8703E-04	6.49E-08	2.16E-07	1.15E-07	9.34E-08	4.31E-08	4.13E-08	9E-09	2E-07	7E-08	0E+00	0E+00	0E+00	3E-07	0.31	2E-04	7E-04
100	309	30.90	7.1026E-04	5.85E-08	1.95E-07	1.04E-07	8.43E-08	3.89E-08	3.73E-08	8E-09	2E-07	7E-08	0E+00	0E+00	0E+00	3E-07	0.28	1E-04	7E-04
125	264.4	26.44	6.0774E-04	5.01E-08	1.67E-07	8.88E-08	7.22E-08	3.33E-08	3.19E-08	7E-09	2E-07	6E-08	0E+00	0E+00	0E+00	2E-07	0.24	1E-04	6E-04
150	224.9	22.49	5.1695E-04	4.26E-08	1.42E-07	7.55E-08	6.14E-08	2.83E-08	2.71E-08	6E-09	1E-07	5E-08	0E+00	0E+00	0E+00	2E-07	0.20	1E-04	5E-04
175	194.2	19.42	4.4638E-04	3.68E-08	1.22E-07	6.52E-08	5.30E-08	2.45E-08	2.34E-08	5E-09	1E-07	4E-08	0E+00	0E+00	0E+00	2E-07	0.18	9E-05	4E-04
200	177.5	17.75	4.0799E-04	3.36E-08	1.12E-07	5.96E-08	4.84E-08	2.24E-08	2.14E-08	4E-09	1E-07	4E-08	0E+00	0E+00	0E+00	2E-07	0.16	8E-05	4E-04
225	161.9	16.19	3.7214E-04	3.07E-08	1.02E-07	5.44E-08	4.42E-08	2.04E-08	1.95E-08	4E-09	1E-07	3E-08	0E+00	0E+00	0E+00	1E-07	0.15	7E-05	3E-04
250	147.8	14.78	3.3973E-04	2.80E-08	9.31E-08	4.96E-08	4.03E-08	1.86E-08	1.78E-08	4E-09	1E-07	3E-08	0E+00	0E+00	0E+00	1E-07	0.13	7E-05	3E-04
275	135.3	13.53	3.1100E-04	2.56E-08	8.52E-08	4.54E-08	3.69E-08	1.70E-08	1.63E-08	3E-09	9E-08	3E-08	0E+00	0E+00	0E+00	1E-07	0.12	6E-05	3E-04
300	124.2	12.42	2.8548E-04	2.35E-08	7.82E-08	4.17E-08	3.39E-08	1.56E-08	1.50E-08	3E-09	8E-08	3E-08	0E+00	0E+00	0E+00	1E-07	0.11	6E-05	3E-04
325	114.5	11.45	2.6319E-04	2.17E-08	7.21E-08	3.85E-08	3.12E-08	1.44E-08	1.38E-08	3E-09	8E-08	2E-08	0E+00	0E+00	0E+00	1E-07	0.10	5E-05	2E-04
350	105.9	10.59	2.4342E-04	2.01E-08	6.67E-08	3.56E-08	2.89E-08	1.33E-08	1.28E-08	3E-09	7E-08	2E-08	0E+00	0E+00	0E+00	1E-07	0.10	5E-05	2E-04
375	98.23	9.82	2.2579E-04	1.86E-08	6.19E-08	3.30E-08	2.68E-08	1.24E-08	1.19E-08	2E-09	7E-08	2E-08	0E+00	0E+00	0E+00	9E-08	0.09	5E-05	2E-04
400	91.44	9.14	2.1018E-04	1.73E-08	5.76E-08	3.07E-08	2.50E-08	1.15E-08	1.10E-08	2E-09	6E-08	2E-08	0E+00	0E+00	0E+00	8E-08	0.08	4E-05	2E-04
425	85.38	8.54	1.9625E-04	1.62E-08	5.38E-08	2.87E-08	2.33E-08	1.08E-08	1.03E-08	2E-09	6E-08	2E-08	0E+00	0E+00	0E+00	8E-08	0.08	4E-05	2E-04
450	79.94	7.99	1.8375E-04	1.51E-08	5.03E-08	2.68E-08	2.18E-08	1.01E-08	9.65E-09	2E-09	5E-08	2E-08	0E+00	0E+00	0E+00	7E-08	0.07	4E-05	2E-04
475	75.05	7.51	1.7251E-04	1.42E-08	4.73E-08	2.52E-08	2.05E-08	9.45E-09	9.06E-09	2E-09	5E-08	2E-08	0E+00	0E+00	0E+00	7E-08	0.07	3E-05	2E-04
500	70.63	7.06	1.6235E-04	1.34E-08	4.45E-08	2.37E-08	1.93E-08	8.90E-09	8.53E-09	2E-09	5E-08	2E-08	0E+00	0E+00	0E+00	6E-08	0.06	3E-05	1E-04
525	66.63	6.66	1.5315E-04	1.26E-08	4.20E-08	2.24E-08	1.82E-08	8.39E-09	8.04E-09	2E-09	4E-08	1E-08	0E+00	0E+00	0E+00	6E-08	0.06	3E-05	1E-04
550	63	6.30	1.4481E-04	1.19E-08	3.97E-08	2.12E-08	1.72E-08	7.93E-09	7.60E-09	2E-09	4E-08	1E-08	0E+00	0E+00	0E+00	6E-08	0.06	3E-05	1E-04
575	59.68	5.97	1.3718E-04	1.13E-08	3.76E-08	2.00E-08	1.63E-08	7.52E-09	7.20E-09	1E-09	4E-08	1E-08	0E+00	0E+00	0E+00	5E-08	0.05	3E-05	1E-04
600	56.64	5.66	1.3019E-04	1.07E-08	3.57E-08	1.90E-08	1.55E-08	7.13E-09	6.84E-09	1E-09	4E-08	1E-08	0E+00	0E+00	0E+00	5E-08	0.05	3E-05	1E-04
625	53.86	5.39	1.2380E-04	1.02E-08	3.39E-08	1.81E-08	1.47E-08	6.78E-09	6.50E-09	1E-09	4E-08	1E-08	0E+00	0E+00	0E+00	5E-08	0.05	2E-05	1E-04
650	51.29	5.13	1.1789E-04	9.72E-09	3.23E-08	1.72E-08	1.40E-08	6.46E-09	6.19E-09	1E-09	3E-08	1E-08	0E+00	0E+00	0E+00	5E-08	0.05	2E-05	1E-04
675	48.93	4.89	1.1247E-04	9.27E-09	3.08E-08	1.64E-08	1.34E-08	6.16E-09	5.91E-09	1E-09	3E-08	1E-08	0E+00	0E+00	0E+00	4E-08	0.04	2E-05	1E-04
700	46.74	4.67	1.0743E-04	8.85E-09	2.94E-08	1.57E-08	1.28E-08	5.89E-09	5.64E-09	1E-09	3E-08	1E-08	0E+00	0E+00	0E+00	4E-08	0.04	2E-05	1E-04
725	44.71	4.47	1.0277E-04	8.47E-09	2.82E-08	1.50E-08	1.22E-08	5.63E-09	5.40E-09	1E-09	3E-08	1E-08	0E+00	0E+00	0E+00	4E-08	0.04	2E-05	9E-05
750	42.83	4.28	9.8447E-05	8.11E-09	2.70E-08	1.44E-08	1.17E-08	5.39E-09	5.17E-09	1E-09	3E-08	9E-09	0E+00	0E+00	0E+00	4E-08	0.04	2E-05	9E-05
775	41.08	4.11	9.4425E-05	7.78E-09	2.59E-08	1.38E-08	1.12E-08	5.17E-09	4.96E-09	1E-09	3E-08	9E-09	0E+00	0E+00	0E+00	4E-08	0.04	2E-05	9E-05
800	39.44	3.94	9.0655E-05	7.47E-09	2.48E-08	1.32E-08	1.08E-08	4.97E-09	4.76E-09	1E-09	3E-08	8E-09	0E+00	0E+00	0E+00	4E-08	0.04	2E-05	8E-05
825	37.91	3.79	8.7138E-05	7.18E-09	2.39E-08	1.27E-08	1.03E-08	4.77E-09	4.58E-09	9E-10	3E-08	8E-09	0E+00	0E+00	0E+00	3E-08	0.03	2E-05	8E-05
850	36.48	3.65	8.3851E-05	6.91E-09	2.30E-08	1.23E-08	9.95E-09	4.59E-09	4.40E-09	9E-10	2E-08	8E-09	0E+00	0E+00	0E+00	3E-08	0.03	2E-05	8E-05
875	35.14	3.51	8.0771E-05	6.66E-09	2.21E-08	1.18E-08	9.59E-09	4.43E-09	4.24E-09	9E-10	2E-08	7E-09	0E+00	0E+00	0E+00	3E-08	0.03	2E-05	7E-05
900	33.88	3.39	7.7875E-05	6.42E-09	2.13E-08	1.14E-08	9.25E-09	4.27E-09	4.09E-09	8E-10	2E-08	7E-09	0E+00	0E+00	0E+00	3E-08	0.03	2E-05	7E-05
925	32.7	3.27	7.5163E-05	6.19E-09	2.06E-08	1.10E-08	8.92E-09	4.12E-09	3.95E-09	8E-10	2E-08	7E-09	0E+00	0E+00	0E+00	3E-08	0.03	2E-05	7E-05
950	31.58	3.16	7.2589E-05	5.98E-09	1.99E-08	1.06E-08	8.62E-09	3.98E-09	3.81E-09	8E-10	2E-08	7E-09	0E+00	0E+00	0E+00	3E-08	0.03	1E-05	7E-05
975	30.53	3.05	7.0175E-05	5.78E-09	1.92E-08	1.03E-08	8.33E-09	3.85E-09	3.68E-09	8E-10	2E-08	6E-09	0E+00	0E+00	0E+00	3E-08	0.03	1E-05	6E-05
1000	29.53	2.95	6.7876E-05	5.59E-09	1.86E-08	9.92E-09	8.06E-09	3.72E-09	3.56E-09	7E-10	2E-08	6E-09	0E+00	0E+00	0E+00	3E-08	0.03	1E-05	6E-05
1025	28.59	2.86	6.5716E-05	5.42E-09	1.80E-08	9.60E-09	7.80E-09	3.60E-09	3.45E-09	7E-10	2E-08	6E-09	0E+00	0E+00	0E+00	3E-08	0.03	1E-05	6E-05
1050	27.7	2.77	6.3670E-05	5.25E-09	1.74E-08	9.30E-09	7.56E-09	3.49E-09	3.34E-09	7E-10	2E-08	6E-09	0E+00	0E+00	0E+00	3E-08	0.03	1E-05	6E-05
1075	26.85	2.69	6.1716E-05	5.09E-09	1.69E-08	9.02E-09	7.33E-09	3.38E-09	3.24E-09	7E-10	2E-08	6E-09	0E+00	0E+00	0E+00	2E-08	0.02	1E-05	6E-05
1100	26.05	2.61	5.9877E-05	4.94E-09	1.64E-08	8.75E-09	7.11E-09	3.28E-09	3.14E-09	7E-10	2E-08	6E-09	0E+00	0E+00	0E+00	2E-08	0.02	1E-05	6E-05
1125	25.28	2.53	5.8108E-05	4.79E-09	1.59E-08	8.49E-09	6.90E-09	3.18E-09	3.05E-09	6E-10	2E-08	5E-09	0E+00	0E+00	0E+00	2E-08	0.02	1E-05	5E-05
1150	24.56	2.46	5.6453E-05	4.65E-09	1.55E-08	8.25E-09	6.70E-09	3.09E-09	2.96E-09	6E-10	2E-08	5E-09	0E+00	0E+00	0E+00	2E-08	0.02	1E-05	5E-05
1175	23.87	2.39	5.4867E-05	4.52E-09	1.50E-08	8.02E-09	6.51E-09	3.01E-09	2.88E-09	6E-10	2E-08	5E-09	0E+00	0E+00	0E+00	2E-08	0.02	1E-05	5E-05
1200	23.21	2.32	5.3350E-05	4.40E-09	1.46E-08	7.80E-09	6.33E-09	2.92E-09	2.80E-09	6E-10	2E-08	5E-09	0E+00	0E+00	0E+00	2E-08	0.02	1E-05	5E-05
1225	22.58	2.26	5.1901E-05	4.28E-09	1.42E-08	7.58E-09	6.16E-09	2.84E-09	2.73E-09	6E-10	2E-08	5E-09	0E+00	0E+00	0E+00	2E-08	0.02	1E-05	5E-05
1250	21.98	2.20	5.0522E-05	4.16E-09	1.38E-08	7.38E-09	6.00E-09	2.77E-09	2.65E-09	5E-10	1E-08	5E-09	0E+00	0E+00	0E+00	2E-08	0.02	1E-05	5E-05
1275	21.4	2.14	4.9189E-05	4.05E-09	1.35E-08	7.19E-09	5.84E-09	2.70E-09	2.58E-09	5E-10	1E-08	5E-09	0E+00	0E+00	0E+00	2E-08	0.02	1E-05	5E-05
1300	20.86	2.09	4.7948E-05	3.95E-09	1.31E-08	7.01E-09	5.69E-09	2.63E-09	2.52E-09	5E-10	1E-08	4E-09	0E+00	0E+00	0E+00	2E-08	0.02	1E-05	4E-05
1325	20.33	2.03	4.6730E-05	3.85E-09	1.28E-08	6.83E-09	5.55E-09	2.56E-09	2.45E-09	5E-10	1E-08	4E-09	0E+00	0E+00	0E+00	2E-08	0.02	9E-06	4E-05
1350	19.83	1.98	4.5580E-05	3.76E-09	1.25E-08	6.66E-09	5.41E-09	2.50E-09	2.39E-09	5E-10	1E-08	4E-09	0E+00	0E+00	0E+00	2E-08	0.02	9E-06	4E-05
1375	19.34	1.93	4.4454E-05	3.66E-09	1.22E-08	6.50E-09	5.28E-09	2.44E-09	2.33E-09	5E-10	1E-08	4E-09	0E+00	0E+00	0E+00	2E-08	0.02	9E-06	4E-05
1400	18.88	1.89	4.3397E-05	3.58E-09	1.19E-08	6.34E-09	5.15E-09	2.38E-09	2.28E-09	5E-10	1E-08	4E-09	0E+00	0E+00	0E+00	2E-08	0.02	9E-06	4E-05
1425	18.44	1.84	4.2385E-05	3.49E-09	1.16E-08	6.19E-09	5.03E-09	2.32E-09	2.23E-09	5E-10	1E-08	4E-09	0E+00	0E+00	0E+00	2E-08	0.02	8E-06	4E-05
1450	18.01	1.80	4.1397E-05	3.41E-09	1.13E-08	6.05E-09	4.91E-09	2.27E-09	2.17E-09	5E-10	1E-08	4E-09	0E+00	0E+00	0E+00	2E-08	0.02	8E-06	4E-05
1475	17.6	1.76	4.0455E-05	3.33E-09	1.11E-08	5.91E-09	4.80E-09	2.22E-09	2.12E-09	4E-10	1E-08	4E-09	0E+00	0E+00	0E+00	2E-08	0.02	8E-06	4E-05
1500	17.2	1.72	3.9535E-05	3.26E-09	1.08E-08	5.78E-09	4.69E-09	2.17E-09	2.08E-09	4E-10	1E-08	4E-09	0E+00	0E+00	0E+00	2E-08	0.02	8E-06	4E-05
1525	16.82	1.68	3.8662E-05	3.19E-09	1.06E-08	5.65E-09	4.59E-09	2.12E-09	2.03E-09	4E-10	1E-08	4E-09	0E+00	0E+00	0E+00	2E-08	0.02	8E-06	4E-05
1550	16.46	1.65	3.7834E-05	3.12E-09	1.04E-08	5.53E-09	4.49E-09	2.07E-09	1.99E-09	4E-10	1E-08	4E-09	0E+00	0E+00	0E+00	1E-08	0.01	8E-06	3E-05
1575	16.1	1.61	3.7007E-05	3.05E-09	1.01E-08	5.41E-09	4.39E-09	2.03E-09	1.94E-09	4E-10	1E-08	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	7E-06	3E-05
1600	15.76	1.58	3.6225E-05	2.99E-09	9.92E-09	5.29E-09	4.30E-09	1.98E-09	1.90E-09	4E-10	1E-08	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	7E-06	3E-05
1625	15.44	1.54	3.5490E-05	2.93E-09	9.72E-09	5.19E-09	4.21E-09	1.94E-09	1.86E-09	4E-10	1E-08	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	7E-06	3E-05
1650	15.12	1.51	3.4754E-05	2.86E-09	9.52E-09	5.08E-09	4.13E-09	1.90E-09	1.82E-09	4E-10	1E-08	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	7E-06	3E-05
1675	14.81	1.48	3.4042E-05	2.81E-09	9.33E-09	4.97E-09	4.04E-09	1.87E-09	1.79E-09	4E-10	1E-08	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	7E-06	3E-05
1700	14.52	1.45	3.3375E-05	2.75E-09	9.14E-09	4.88E-09	3.96E-09	1.83E-09	1.75E-09	4E-10	1E-08	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	7E-06	3E-05
1725	14.23	1.42	3.2709E-05	2.70E-09	8.96E-09	4.78E-09	3.88E-09	1.79E-09	1.72E-09	4E-10	9E-09	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	7E-06	3E-05
1750	13.96	1.40	3.2088E-05	2.64E-09	8.79E-09	4.69E-09	3.81E-09	1.76E-09	1.68E-09	3E-10	9E-09	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	6E-06	3E-05

Loading Docks

DIST	Unitized AERSCREEN output 1-HR	Annual (converted)	Scaled Annual	DAYCARE (6-yr) Dose Inhallation						Risk									
			2.30E-05																
(m)	(ug/m3)	(ug/m3)	(ug/m3)	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimester	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	Chronic Hazard	PM2.5
1775	13.69	1.37	3.1467E-05	2.59E-09	8.62E-09	4.60E-09	3.74E-09	1.72E-09	1.65E-09	3E-10	9E-09	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	6E-06	3E-05
1800	13.43	1.34	3.0870E-05	2.54E-09	8.46E-09	4.51E-09	3.66E-09	1.69E-09	1.62E-09	3E-10	9E-09	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	6E-06	3E-05
1825	13.18	1.32	3.0295E-05	2.50E-09	8.30E-09	4.43E-09	3.60E-09	1.66E-09	1.59E-09	3E-10	9E-09	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	6E-06	3E-05
1850	12.94	1.29	2.9743E-05	2.45E-09	8.15E-09	4.35E-09	3.53E-09	1.63E-09	1.56E-09	3E-10	9E-09	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	6E-06	3E-05
1875	12.7	1.27	2.9192E-05	2.41E-09	8.00E-09	4.27E-09	3.47E-09	1.60E-09	1.53E-09	3E-10	8E-09	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	6E-06	3E-05
1900	12.47	1.25	2.8663E-05	2.36E-09	7.85E-09	4.19E-09	3.40E-09	1.57E-09	1.51E-09	3E-10	8E-09	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	6E-06	3E-05
1925	12.25	1.23	2.8157E-05	2.32E-09	7.71E-09	4.11E-09	3.34E-09	1.54E-09	1.48E-09	3E-10	8E-09	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	6E-06	3E-05
1950	12.04	1.20	2.7675E-05	2.28E-09	7.58E-09	4.04E-09	3.29E-09	1.52E-09	1.45E-09	3E-10	8E-09	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	6E-06	3E-05
1975	11.83	1.18	2.7192E-05	2.24E-09	7.45E-09	3.97E-09	3.23E-09	1.49E-09	1.43E-09	3E-10	8E-09	3E-09	0E+00	0E+00	0E+00	1E-08	0.01	5E-06	3E-05
2000	11.63	1.16	2.6732E-05	2.20E-09	7.32E-09	3.91E-09	3.17E-09	1.46E-09	1.40E-09	3E-10	8E-09	2E-09	0E+00	0E+00	0E+00	1E-08	0.01	5E-06	2E-05
2025	11.43	1.14	2.6273E-05	2.17E-09	7.20E-09	3.84E-09	3.12E-09	1.44E-09	1.38E-09	3E-10	8E-09	2E-09	0E+00	0E+00	0E+00	1E-08	0.01	5E-06	2E-05
2050	11.24	1.12	2.5836E-05	2.13E-09	7.08E-09	3.78E-09	3.07E-09	1.42E-09	1.36E-09	3E-10	7E-09	2E-09	0E+00	0E+00	0E+00	1E-08	0.01	5E-06	2E-05
2075	11.06	1.11	2.5422E-05	2.10E-09	6.96E-09	3.71E-09	3.02E-09	1.39E-09	1.33E-09	3E-10	7E-09	2E-09	0E+00	0E+00	0E+00	1E-08	0.01	5E-06	2E-05
2100	10.88	1.09	2.5008E-05	2.06E-09	6.85E-09	3.65E-09	2.97E-09	1.37E-09	1.31E-09	3E-10	7E-09	2E-09	0E+00	0E+00	0E+00	1E-08	0.01	5E-06	2E-05
2125	10.7	1.07	2.4595E-05	2.03E-09	6.74E-09	3.59E-09	2.92E-09	1.35E-09	1.29E-09	3E-10	7E-09	2E-09	0E+00	0E+00	0E+00	1E-08	0.01	5E-06	2E-05
2150	10.53	1.05	2.4204E-05	1.99E-09	6.63E-09	3.54E-09	2.87E-09	1.33E-09	1.27E-09	3E-10	7E-09	2E-09	0E+00	0E+00	0E+00	1E-08	0.01	5E-06	2E-05
2175	10.37	1.04	2.3836E-05	1.96E-09	6.53E-09	3.48E-09	2.83E-09	1.31E-09	1.25E-09	3E-10	7E-09	2E-09	0E+00	0E+00	0E+00	9E-09	0.01	5E-06	2E-05
2200	10.21	1.02	2.3468E-05	1.93E-09	6.43E-09	3.43E-09	2.79E-09	1.29E-09	1.23E-09	3E-10	7E-09	2E-09	0E+00	0E+00	0E+00	9E-09	0.01	5E-06	2E-05
2225	10.05	1.01	2.3101E-05	1.90E-09	6.33E-09	3.38E-09	2.74E-09	1.27E-09	1.21E-09	3E-10	7E-09	2E-09	0E+00	0E+00	0E+00	9E-09	0.01	5E-06	2E-05
2250	9.898	0.99	2.2751E-05	1.88E-09	6.23E-09	3.32E-09	2.70E-09	1.25E-09	1.19E-09	2E-10	7E-09	2E-09	0E+00	0E+00	0E+00	9E-09	0.01	5E-06	2E-05
2275	9.749	0.97	2.2409E-05	1.85E-09	6.14E-09	3.27E-09	2.66E-09	1.23E-09	1.18E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	9E-09	0.01	4E-06	2E-05
2300	9.605	0.96	2.2078E-05	1.82E-09	6.05E-09	3.23E-09	2.62E-09	1.21E-09	1.16E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	9E-09	0.01	4E-06	2E-05
2325	9.464	0.95	2.1754E-05	1.79E-09	5.96E-09	3.18E-09	2.58E-09	1.19E-09	1.14E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	9E-09	0.01	4E-06	2E-05
2350	9.327	0.93	2.1439E-05	1.77E-09	5.87E-09	3.13E-09	2.55E-09	1.17E-09	1.13E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	8E-09	0.01	4E-06	2E-05
2375	9.193	0.92	2.1131E-05	1.74E-09	5.79E-09	3.09E-09	2.51E-09	1.16E-09	1.11E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	8E-09	0.01	4E-06	2E-05
2400	9.063	0.91	2.0832E-05	1.72E-09	5.71E-09	3.04E-09	2.47E-09	1.14E-09	1.09E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	8E-09	0.01	4E-06	2E-05
2425	8.936	0.89	2.0540E-05	1.69E-09	5.63E-09	3.00E-09	2.44E-09	1.13E-09	1.08E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	8E-09	0.01	4E-06	2E-05
2450	8.813	0.88	2.0257E-05	1.67E-09	5.55E-09	2.96E-09	2.40E-09	1.11E-09	1.06E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	8E-09	0.01	4E-06	2E-05
2475	8.692	0.87	1.9979E-05	1.65E-09	5.47E-09	2.92E-09	2.37E-09	1.09E-09	1.05E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	8E-09	0.01	4E-06	2E-05
2500	8.574	0.86	1.9708E-05	1.62E-09	5.40E-09	2.88E-09	2.34E-09	1.08E-09	1.03E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	8E-09	0.01	4E-06	2E-05
2525	8.459	0.85	1.9444E-05	1.60E-09	5.33E-09	2.84E-09	2.31E-09	1.07E-09	1.02E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	8E-09	0.01	4E-06	2E-05
2550	8.347	0.83	1.9186E-05	1.58E-09	5.26E-09	2.80E-09	2.28E-09	1.05E-09	1.01E-09	2E-10	6E-09	2E-09	0E+00	0E+00	0E+00	8E-09	0.01	4E-06	2E-05
2575	8.238	0.82	1.8936E-05	1.56E-09	5.19E-09	2.77E-09	2.25E-09	1.04E-09	9.94E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	7E-09	0.01	4E-06	2E-05
2600	8.131	0.81	1.8690E-05	1.54E-09	5.12E-09	2.73E-09	2.22E-09	1.02E-09	9.81E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	7E-09	0.01	4E-06	2E-05
2625	8.027	0.80	1.8451E-05	1.52E-09	5.05E-09	2.70E-09	2.19E-09	1.01E-09	9.69E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	7E-09	0.01	4E-06	2E-05
2650	7.925	0.79	1.8216E-05	1.50E-09	4.99E-09	2.66E-09	2.16E-09	9.98E-10	9.57E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	7E-09	0.01	4E-06	2E-05
2675	7.826	0.78	1.7989E-05	1.48E-09	4.93E-09	2.63E-09	2.14E-09	9.86E-10	9.45E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	7E-09	0.01	4E-06	2E-05
2700	7.729	0.77	1.7766E-05	1.46E-09	4.87E-09	2.60E-09	2.11E-09	9.73E-10	9.33E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	7E-09	0.01	4E-06	2E-05
2725	7.634	0.76	1.7547E-05	1.45E-09	4.81E-09	2.56E-09	2.08E-09	9.61E-10	9.21E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	7E-09	0.01	4E-06	2E-05
2750	7.541	0.75	1.7333E-05	1.43E-09	4.75E-09	2.53E-09	2.06E-09	9.50E-10	9.10E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	7E-09	0.01	3E-06	2E-05
2775	7.451	0.75	1.7127E-05	1.41E-09	4.69E-09	2.50E-09	2.03E-09	9.38E-10	8.99E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	7E-09	0.01	3E-06	2E-05
2800	7.362	0.74	1.6922E-05	1.39E-09	4.64E-09	2.47E-09	2.01E-09	9.27E-10	8.89E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	7E-09	0.01	3E-06	2E-05
2825	7.276	0.73	1.6724E-05	1.38E-09	4.58E-09	2.44E-09	1.99E-09	9.16E-10	8.78E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	7E-09	0.01	3E-06	2E-05
2850	7.191	0.72	1.6529E-05	1.36E-09	4.53E-09	2.42E-09	1.96E-09	9.06E-10	8.68E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	2E-05
2875	7.108	0.71	1.6338E-05	1.35E-09	4.48E-09	2.39E-09	1.94E-09	8.95E-10	8.58E-10	2E-10	5E-09	2E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	2E-05
2900	7.027	0.70	1.6152E-05	1.33E-09	4.43E-09	2.36E-09	1.92E-09	8.85E-10	8.48E-10	2E-10	5E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
2925	6.948	0.69	1.5970E-05	1.32E-09	4.38E-09	2.33E-09	1.90E-09	8.75E-10	8.39E-10	2E-10	5E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
2950	6.871	0.69	1.5793E-05	1.30E-09	4.33E-09	2.31E-09	1.88E-09	8.65E-10	8.29E-10	2E-10	5E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
2975	6.795	0.68	1.5619E-05	1.29E-09	4.28E-09	2.28E-09	1.85E-09	8.56E-10	8.20E-10	2E-10	5E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
3000	6.72	0.67	1.5446E-05	1.27E-09	4.23E-09	2.26E-09	1.83E-09	8.46E-10	8.11E-10	2E-10	4E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
3025	6.642	0.66	1.5267E-05	1.26E-09	4.18E-09	2.23E-09	1.81E-09	8.37E-10	8.02E-10	2E-10	4E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
3050	6.566	0.66	1.5092E-05	1.24E-09	4.13E-09	2.21E-09	1.79E-09	8.27E-10	7.93E-10	2E-10	4E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
3075	6.491	0.65	1.4920E-05	1.23E-09	4.09E-09	2.18E-09	1.77E-09	8.18E-10	7.83E-10	2E-10	4E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
3100	6.418	0.64	1.4752E-05	1.22E-09	4.04E-09	2.16E-09	1.75E-09	8.08E-10	7.75E-10	2E-10	4E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
3125	6.346	0.63	1.4587E-05	1.20E-09	4.00E-09	2.13E-09	1.73E-09	7.99E-10	7.66E-10	2E-10	4E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
3150	6.276	0.63	1.4426E-05	1.19E-09	3.95E-09	2.11E-09	1.71E-09	7.90E-10	7.58E-10	2E-10	4E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
3175	6.206	0.62	1.4265E-05	1.18E-09	3.91E-09	2.08E-09	1.69E-09	7.82E-10	7.49E-10	2E-10	4E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
3200	6.138	0.61	1.4109E-05	1.16E-09	3.87E-09	2.06E-09	1.67E-09	7.73E-10	7.41E-10	2E-10	4E-09	1E-09	0E+00	0E+00	0E+00	6E-09	0.01	3E-06	1E-05
3225	6.072	0.61	1.3957E-05	1.15E-09	3.82E-09	2.04E-09	1.66E-09	7.65E-10	7.33E-10	2E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.01	3E-06	1E-05
3250	6.006	0.60	1.3805E-05	1.14E-09	3.78E-09	2.02E-09	1.64E-09	7.56E-10	7.25E-10	2E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.01	3E-06	1E-05
3275	5.942	0.59	1.3658E-05	1.13E-09	3.74E-09	2.00E-09	1.62E-09	7.48E-10	7.17E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.01	3E-06	1E-05
3300	5.879	0.59	1.3513E-05	1.11E-09	3.70E-09	1.97E-09	1.60E-09	7.40E-10	7.10E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.01	3E-06	1E-05
3325	5.817	0.58	1.3371E-05	1.10E-09	3.66E-09	1.95E-09	1.59E-09	7.33E-10	7.02E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.01	3E-06	1E-05
3350	5.755	0.58	1.3228E-05	1.09E-09	3.62E-09	1.93E-09	1.57E-09	7.25E-10	6.95E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.01	3E-06	1E-05
3375	5.695	0.57	1.3090E-05	1.08E-09	3.59E-09	1.91E-09	1.55E-09	7.17E-10	6.87E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.01	3E-06	1E-05
3400	5.637	0.56	1.2957E-05	1.07E-09	3.55E-09	1.89E-09	1.54E-09	7.10E-10	6.80E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.01	3E-06	1E-05
3425	5.579	0.56	1.2824E-05	1.06E-09	3.51E-09	1.87E-09	1.52E-09	7.03E-10	6.73E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.01	3E-06	1E-05
3450	5.522	0.55	1.2693E-05	1.05E-09	3.48E-09	1.85E-09	1.51E-09	6.95E-10	6.67E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.00	3E-06	1E-05
3475	5.466	0.55	1.2564E-05	1.04E-09	3.44E-09	1.84E-09	1.49E-09	6.88E-10	6.60E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.00	3E-06	1E-05
3500	5.411	0.54	1.2438E-05	1.03E-09	3.41E-09	1.82E-09	1.48E-09	6.82E-10	6.53E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.00	2E-06	1E-05
3525	5.357	0.54	1.2313E-05	1.01E-09	3.37E-09	1.80E-09	1.46E-09	6.75E-10	6.47E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.00	2E-06	1E-05

Loading Docks

DIST	Unitized AERSCREEN output 1-HR	Annual (converted)	Scaled Annual	DAYCARE (6-yr)															
			2.30E-05	Dose Inhallation						Risk									
(m)	(ug/m3)	(ug/m3)	(ug/m3)	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimester	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	Chronic Hazard	PM2.5
3550	5.303	0.53	1.2189E-05	1.00E-09	3.34E-09	1.78E-09	1.45E-09	6.68E-10	6.40E-10	1E-10	4E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.00	2E-06	1E-05
3575	5.251	0.53	1.2070E-05	9.95E-10	3.31E-09	1.76E-09	1.43E-09	6.61E-10	6.34E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.00	2E-06	1E-05
3600	5.199	0.52	1.1950E-05	9.85E-10	3.27E-09	1.75E-09	1.42E-09	6.55E-10	6.28E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.00	2E-06	1E-05
3625	5.149	0.51	1.1835E-05	9.75E-10	3.24E-09	1.73E-09	1.41E-09	6.49E-10	6.21E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.00	2E-06	1E-05
3650	5.099	0.51	1.1720E-05	9.66E-10	3.21E-09	1.71E-09	1.39E-09	6.42E-10	6.15E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.00	2E-06	1E-05
3675	5.05	0.51	1.1608E-05	9.57E-10	3.18E-09	1.70E-09	1.38E-09	6.36E-10	6.10E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.00	2E-06	1E-05
3700	5.002	0.50	1.1497E-05	9.48E-10	3.15E-09	1.68E-09	1.36E-09	6.30E-10	6.04E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	5E-09	0.00	2E-06	1E-05
3725	4.954	0.50	1.1387E-05	9.39E-10	3.12E-09	1.66E-09	1.35E-09	6.24E-10	5.98E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	1E-05
3750	4.907	0.49	1.1279E-05	9.30E-10	3.09E-09	1.65E-09	1.34E-09	6.18E-10	5.92E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	1E-05
3775	4.861	0.49	1.1173E-05	9.21E-10	3.06E-09	1.63E-09	1.33E-09	6.12E-10	5.87E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	1E-05
3800	4.816	0.48	1.1070E-05	9.12E-10	3.03E-09	1.62E-09	1.31E-09	6.07E-10	5.81E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	1E-05
3825	4.771	0.48	1.0966E-05	9.04E-10	3.00E-09	1.60E-09	1.30E-09	6.01E-10	5.76E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	1E-05
3850	4.727	0.47	1.0865E-05	8.96E-10	2.98E-09	1.59E-09	1.29E-09	5.95E-10	5.71E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	1E-05
3875	4.684	0.47	1.0766E-05	8.87E-10	2.95E-09	1.57E-09	1.28E-09	5.90E-10	5.65E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	1E-05
3900	4.641	0.46	1.0668E-05	8.79E-10	2.92E-09	1.56E-09	1.27E-09	5.85E-10	5.60E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	1E-05
3925	4.599	0.46	1.0571E-05	8.71E-10	2.90E-09	1.54E-09	1.26E-09	5.79E-10	5.55E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	1E-05
3950	4.558	0.46	1.0477E-05	8.64E-10	2.87E-09	1.53E-09	1.24E-09	5.74E-10	5.50E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	1E-05
3975	4.517	0.45	1.0383E-05	8.56E-10	2.84E-09	1.52E-09	1.23E-09	5.69E-10	5.45E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	1E-05
4000	4.477	0.45	1.0291E-05	8.48E-10	2.82E-09	1.50E-09	1.22E-09	5.64E-10	5.40E-10	1E-10	3E-09	1E-09	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4025	4.437	0.44	1.0199E-05	8.41E-10	2.79E-09	1.49E-09	1.21E-09	5.59E-10	5.36E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4050	4.398	0.44	1.0109E-05	8.33E-10	2.77E-09	1.48E-09	1.20E-09	5.54E-10	5.31E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4075	4.36	0.44	1.0022E-05	8.26E-10	2.75E-09	1.46E-09	1.19E-09	5.49E-10	5.26E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4100	4.322	0.43	9.9344E-06	8.19E-10	2.72E-09	1.45E-09	1.18E-09	5.44E-10	5.22E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4125	4.285	0.43	9.8493E-06	8.12E-10	2.70E-09	1.44E-09	1.17E-09	5.40E-10	5.17E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4150	4.248	0.42	9.7643E-06	8.05E-10	2.68E-09	1.43E-09	1.16E-09	5.35E-10	5.13E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4175	4.211	0.42	9.6792E-06	7.98E-10	2.65E-09	1.41E-09	1.15E-09	5.30E-10	5.08E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4200	4.176	0.42	9.5988E-06	7.91E-10	2.63E-09	1.40E-09	1.14E-09	5.26E-10	5.04E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4225	4.14	0.41	9.5160E-06	7.84E-10	2.61E-09	1.39E-09	1.13E-09	5.21E-10	5.00E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4250	4.106	0.41	9.4379E-06	7.78E-10	2.59E-09	1.38E-09	1.12E-09	5.17E-10	4.96E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4275	4.071	0.41	9.3574E-06	7.71E-10	2.56E-09	1.37E-09	1.11E-09	5.13E-10	4.91E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4300	4.037	0.40	9.2793E-06	7.65E-10	2.54E-09	1.36E-09	1.10E-09	5.08E-10	4.87E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	9E-06
4325	4.004	0.40	9.2034E-06	7.59E-10	2.52E-09	1.34E-09	1.09E-09	5.04E-10	4.83E-10	1E-10	3E-09	9E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	8E-06
4350	3.971	0.40	9.1276E-06	7.52E-10	2.50E-09	1.33E-09	1.08E-09	5.00E-10	4.79E-10	1E-10	3E-09	8E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	8E-06
4375	3.939	0.39	9.0540E-06	7.46E-10	2.48E-09	1.32E-09	1.07E-09	4.96E-10	4.75E-10	1E-10	3E-09	8E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	8E-06
4400	3.906	0.39	8.9782E-06	7.40E-10	2.46E-09	1.31E-09	1.07E-09	4.92E-10	4.71E-10	1E-10	3E-09	8E-10	0E+00	0E+00	0E+00	4E-09	0.00	2E-06	8E-06
4425	3.875	0.39	8.9069E-06	7.34E-10	2.44E-09	1.30E-09	1.06E-09	4.88E-10	4.68E-10	1E-10	3E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4450	3.844	0.38	8.8357E-06	7.28E-10	2.42E-09	1.29E-09	1.05E-09	4.84E-10	4.64E-10	1E-10	3E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4475	3.813	0.38	8.7644E-06	7.22E-10	2.40E-09	1.28E-09	1.04E-09	4.80E-10	4.60E-10	1E-10	3E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4500	3.782	0.38	8.6932E-06	7.16E-10	2.38E-09	1.27E-09	1.03E-09	4.76E-10	4.56E-10	9E-11	3E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4525	3.752	0.38	8.6242E-06	7.11E-10	2.36E-09	1.26E-09	1.02E-09	4.73E-10	4.53E-10	9E-11	2E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4550	3.723	0.37	8.5575E-06	7.05E-10	2.34E-09	1.25E-09	1.02E-09	4.69E-10	4.49E-10	9E-11	2E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4575	3.694	0.37	8.4909E-06	7.00E-10	2.33E-09	1.24E-09	1.01E-09	4.65E-10	4.46E-10	9E-11	2E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4600	3.665	0.37	8.4242E-06	6.94E-10	2.31E-09	1.23E-09	1.00E-09	4.62E-10	4.42E-10	9E-11	2E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4625	3.636	0.36	8.3576E-06	6.89E-10	2.29E-09	1.22E-09	9.92E-10	4.58E-10	4.39E-10	9E-11	2E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4650	3.608	0.36	8.2932E-06	6.84E-10	2.27E-09	1.21E-09	9.85E-10	4.54E-10	4.35E-10	9E-11	2E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4675	3.58	0.36	8.2288E-06	6.78E-10	2.25E-09	1.20E-09	9.77E-10	4.51E-10	4.32E-10	9E-11	2E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4700	3.553	0.36	8.1668E-06	6.73E-10	2.24E-09	1.19E-09	9.70E-10	4.47E-10	4.29E-10	9E-11	2E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	8E-06
4725	3.526	0.35	8.1047E-06	6.68E-10	2.22E-09	1.18E-09	9.62E-10	4.44E-10	4.26E-10	9E-11	2E-09	8E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	7E-06
4750	3.499	0.35	8.0427E-06	6.63E-10	2.20E-09	1.18E-09	9.55E-10	4.41E-10	4.22E-10	9E-11	2E-09	7E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	7E-06
4775	3.473	0.35	7.9829E-06	6.58E-10	2.19E-09	1.17E-09	9.48E-10	4.37E-10	4.19E-10	9E-11	2E-09	7E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	7E-06
4800	3.447	0.34	7.9231E-06	6.53E-10	2.17E-09	1.16E-09	9.41E-10	4.34E-10	4.16E-10	9E-11	2E-09	7E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	7E-06
4825	3.421	0.34	7.8634E-06	6.48E-10	2.15E-09	1.15E-09	9.34E-10	4.31E-10	4.13E-10	9E-11	2E-09	7E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	7E-06
4850	3.395	0.34	7.8036E-06	6.43E-10	2.14E-09	1.14E-09	9.26E-10	4.28E-10	4.10E-10	8E-11	2E-09	7E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	7E-06
4875	3.37	0.34	7.7461E-06	6.38E-10	2.12E-09	1.13E-09	9.20E-10	4.24E-10	4.07E-10	8E-11	2E-09	7E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	7E-06
4900	3.345	0.33	7.6887E-06	6.34E-10	2.11E-09	1.12E-09	9.13E-10	4.21E-10	4.04E-10	8E-11	2E-09	7E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	7E-06
4925	3.321	0.33	7.6335E-06	6.29E-10	2.09E-09	1.12E-09	9.06E-10	4.18E-10	4.01E-10	8E-11	2E-09	7E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	7E-06
4950	3.296	0.33	7.5761E-06	6.24E-10	2.08E-09	1.11E-09	8.99E-10	4.15E-10	3.98E-10	8E-11	2E-09	7E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	7E-06
4975	3.273	0.33	7.5232E-06	6.20E-10	2.06E-09	1.10E-09	8.93E-10	4.12E-10	3.95E-10	8E-11	2E-09	7E-10	0E+00	0E+00	0E+00	3E-09	0.00	2E-06	7E-06
5000	3.249	0.32	7.4680E-06	6.16E-10	2.05E-09	1.09E-09	8.87E-10	4.09E-10	3.92E-10	8E-11	2E-09	7E-10	0E+00	0E+00	0E+00	3E-09	0.00	1E-06	7E-06

Gen Sets

0.000003 <-- 1 g/s to DPM scaling factor

PM2.5ex/DPM scaling factor -->

DIST	Unitized AERSCREEN output 1-HR	annual (converted)	Scaled	RESIDENTIAL 70-yr														
				Dose Inhallation						Risk								
(m)	(ug/m3)	annual	annual (scaled)	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Risk Per Million	Chronic Hazard
1	20510	2051.00	6.87E-03	2.38E-06	7.18E-06	4.16E-06	3.77E-06	1.72E-06	1.54E-06	9.3E-08	2.3E-06	0.0E+00	2.5E-06	0.0E+00	1.3E-06	6.1E-06	6.14	0.00
25	285.5	28.55	9.57E-05	3.31E-08	1.00E-07	5.79E-08	5.25E-08	2.39E-08	2.14E-08	1.3E-09	3.1E-08	0.0E+00	3.5E-08	0.0E+00	1.8E-08	8.5E-08	0.09	0.00
50	137.4	13.74	4.60E-05	1.59E-08	4.81E-08	2.79E-08	2.53E-08	1.15E-08	1.03E-08	6.3E-10	1.5E-08	0.0E+00	1.7E-08	0.0E+00	8.7E-09	4.1E-08	0.04	0.00
75	114.6	11.46	3.84E-05	1.33E-08	4.01E-08	2.32E-08	2.11E-08	9.61E-09	8.58E-09	5.2E-10	1.3E-08	0.0E+00	1.4E-08	0.0E+00	7.3E-09	3.4E-08	0.03	0.00
100	95.3	9.53	3.19E-05	1.11E-08	3.34E-08	1.93E-08	1.75E-08	7.99E-09	7.13E-09	4.3E-10	1.0E-08	0.0E+00	1.2E-08	0.0E+00	6.1E-09	2.9E-08	0.03	0.00
125	81.55	8.16	2.73E-05	9.46E-09	2.86E-08	1.65E-08	1.50E-08	6.84E-09	6.11E-09	3.7E-10	9.0E-09	0.0E+00	9.9E-09	0.0E+00	5.2E-09	2.4E-08	0.02	0.00
150	70.06	7.01	2.35E-05	8.13E-09	2.45E-08	1.42E-08	1.29E-08	5.88E-09	5.25E-09	3.2E-10	7.7E-09	0.0E+00	8.5E-09	0.0E+00	4.5E-09	2.1E-08	0.02	0.00
175	60.11	6.01	2.01E-05	6.97E-09	2.11E-08	1.22E-08	1.10E-08	5.04E-09	4.50E-09	2.7E-10	6.6E-09	0.0E+00	7.3E-09	0.0E+00	3.8E-09	1.8E-08	0.02	0.00
200	51.88	5.19	1.74E-05	6.02E-09	1.82E-08	1.05E-08	9.54E-09	4.35E-09	3.88E-09	2.4E-10	5.7E-09	0.0E+00	6.3E-09	0.0E+00	3.3E-09	1.6E-08	0.02	0.00
225	45.14	4.51	1.51E-05	5.24E-09	1.58E-08	9.15E-09	8.30E-09	3.79E-09	3.38E-09	2.1E-10	5.0E-09	0.0E+00	5.5E-09	0.0E+00	2.9E-09	1.4E-08	0.01	0.00
250	40.78	4.08	1.37E-05	4.73E-09	1.43E-08	8.27E-09	7.50E-09	3.42E-09	3.05E-09	1.9E-10	4.5E-09	0.0E+00	4.9E-09	0.0E+00	2.6E-09	1.2E-08	0.01	0.00
275	37.09	3.71	1.24E-05	4.30E-09	1.30E-08	7.52E-09	6.82E-09	3.11E-09	2.78E-09	1.7E-10	4.1E-09	0.0E+00	4.5E-09	0.0E+00	2.4E-09	1.1E-08	0.01	0.00
300	33.84	3.38	1.13E-05	3.93E-09	1.19E-08	6.86E-09	6.22E-09	2.84E-09	2.53E-09	1.5E-10	3.7E-09	0.0E+00	4.1E-09	0.0E+00	2.1E-09	1.0E-08	0.01	0.00
325	30.98	3.10	1.04E-05	3.59E-09	1.09E-08	6.28E-09	5.69E-09	2.60E-09	2.32E-09	1.4E-10	3.4E-09	0.0E+00	3.8E-09	0.0E+00	2.0E-09	9.3E-09	0.01	0.00
350	28.46	2.85	9.54E-06	3.30E-09	9.97E-09	5.77E-09	5.23E-09	2.39E-09	2.13E-09	1.3E-10	3.1E-09	0.0E+00	3.5E-09	0.0E+00	1.8E-09	8.5E-09	0.01	0.00
375	26.23	2.62	8.79E-06	3.04E-09	9.19E-09	5.32E-09	4.82E-09	2.20E-09	1.96E-09	1.2E-10	2.9E-09	0.0E+00	3.2E-09	0.0E+00	1.7E-09	7.9E-09	0.01	0.00
400	24.26	2.43	8.13E-06	2.81E-09	8.50E-09	4.92E-09	4.46E-09	2.03E-09	1.82E-09	1.1E-10	2.7E-09	0.0E+00	2.9E-09	0.0E+00	1.5E-09	7.3E-09	0.01	0.00
425	24.33	2.43	8.15E-06	2.82E-09	8.52E-09	4.93E-09	4.47E-09	2.04E-09	1.82E-09	1.1E-10	2.7E-09	0.0E+00	3.0E-09	0.0E+00	1.5E-09	7.3E-09	0.01	0.00
450	24.31	2.43	8.15E-06	2.82E-09	8.51E-09	4.93E-09	4.47E-09	2.04E-09	1.82E-09	1.1E-10	2.7E-09	0.0E+00	2.9E-09	0.0E+00	1.5E-09	7.3E-09	0.01	0.00
475	24.19	2.42	8.11E-06	2.81E-09	8.47E-09	4.90E-09	4.45E-09	2.03E-09	1.81E-09	1.1E-10	2.7E-09	0.0E+00	2.9E-09	0.0E+00	1.5E-09	7.2E-09	0.01	0.00
500	24.01	2.40	8.05E-06	2.79E-09	8.41E-09	4.87E-09	4.41E-09	2.01E-09	1.80E-09	1.1E-10	2.6E-09	0.0E+00	2.9E-09	0.0E+00	1.5E-09	7.2E-09	0.01	0.00
525	23.77	2.38	7.96E-06	2.76E-09	8.32E-09	4.82E-09	4.37E-09	1.99E-09	1.78E-09	1.1E-10	2.6E-09	0.0E+00	2.9E-09	0.0E+00	1.5E-09	7.1E-09	0.01	0.00
550	23.49	2.35	7.87E-06	2.72E-09	8.23E-09	4.76E-09	4.32E-09	1.97E-09	1.76E-09	1.1E-10	2.6E-09	0.0E+00	2.8E-09	0.0E+00	1.5E-09	7.0E-09	0.01	0.00
575	23.17	2.32	7.76E-06	2.69E-09	8.11E-09	4.70E-09	4.26E-09	1.94E-09	1.73E-09	1.1E-10	2.6E-09	0.0E+00	2.8E-09	0.0E+00	1.5E-09	6.9E-09	0.01	0.00
600	22.83	2.28	7.65E-06	2.65E-09	8.00E-09	4.63E-09	4.20E-09	1.91E-09	1.71E-09	1.0E-10	2.5E-09	0.0E+00	2.8E-09	0.0E+00	1.5E-09	6.8E-09	0.01	0.00
625	22.47	2.25	7.53E-06	2.61E-09	7.87E-09	4.56E-09	4.13E-09	1.88E-09	1.68E-09	1.0E-10	2.5E-09	0.0E+00	2.7E-09	0.0E+00	1.4E-09	6.7E-09	0.01	0.00
650	22.1	2.21	7.41E-06	2.56E-09	7.74E-09	4.48E-09	4.06E-09	1.85E-09	1.65E-09	1.0E-10	2.4E-09	0.0E+00	2.7E-09	0.0E+00	1.4E-09	6.6E-09	0.01	0.00
675	21.91	2.19	7.34E-06	2.54E-09	7.67E-09	4.44E-09	4.03E-09	1.84E-09	1.64E-09	1.0E-10	2.4E-09	0.0E+00	2.7E-09	0.0E+00	1.4E-09	6.6E-09	0.01	0.00
700	21.7	2.17	7.27E-06	2.52E-09	7.60E-09	4.40E-09	3.99E-09	1.82E-09	1.62E-09	9.9E-11	2.4E-09	0.0E+00	2.6E-09	0.0E+00	1.4E-09	6.5E-09	0.01	0.00
725	21.48	2.15	7.20E-06	2.49E-09	7.52E-09	4.36E-09	3.95E-09	1.80E-09	1.61E-09	9.8E-11	2.4E-09	0.0E+00	2.6E-09	0.0E+00	1.4E-09	6.4E-09	0.01	0.00
750	21.24	2.12	7.12E-06	2.46E-09	7.44E-09	4.31E-09	3.90E-09	1.78E-09	1.59E-09	9.7E-11	2.3E-09	0.0E+00	2.6E-09	0.0E+00	1.3E-09	6.4E-09	0.01	0.00
775	20.99	2.10	7.03E-06	2.43E-09	7.35E-09	4.26E-09	3.86E-09	1.76E-09	1.57E-09	9.6E-11	2.3E-09	0.0E+00	2.5E-09	0.0E+00	1.3E-09	6.3E-09	0.01	0.00
800	20.72	2.07	6.94E-06	2.40E-09	7.26E-09	4.20E-09	3.81E-09	1.74E-09	1.55E-09	9.4E-11	2.3E-09	0.0E+00	2.5E-09	0.0E+00	1.3E-09	6.2E-09	0.01	0.00
825	20.46	2.05	6.86E-06	2.37E-09	7.17E-09	4.15E-09	3.76E-09	1.72E-09	1.53E-09	9.3E-11	2.3E-09	0.0E+00	2.5E-09	0.0E+00	1.3E-09	6.1E-09	0.01	0.00
850	20.18	2.02	6.76E-06	2.34E-09	7.07E-09	4.09E-09	3.71E-09	1.69E-09	1.51E-09	9.2E-11	2.2E-09	0.0E+00	2.4E-09	0.0E+00	1.3E-09	6.0E-09	0.01	0.00
875	19.91	1.99	6.67E-06	2.31E-09	6.97E-09	4.04E-09	3.66E-09	1.67E-09	1.49E-09	9.1E-11	2.2E-09	0.0E+00	2.4E-09	0.0E+00	1.3E-09	6.0E-09	0.01	0.00
900	19.63	1.96	6.58E-06	2.28E-09	6.88E-09	3.98E-09	3.61E-09	1.65E-09	1.47E-09	8.9E-11	2.2E-09	0.0E+00	2.4E-09	0.0E+00	1.2E-09	5.9E-09	0.01	0.00
925	19.34	1.93	6.48E-06	2.24E-09	6.77E-09	3.92E-09	3.55E-09	1.62E-09	1.45E-09	8.8E-11	2.1E-09	0.0E+00	2.3E-09	0.0E+00	1.2E-09	5.8E-09	0.01	0.00
950	19.06	1.91	6.39E-06	2.21E-09	6.68E-09	3.86E-09	3.50E-09	1.60E-09	1.43E-09	8.7E-11	2.1E-09	0.0E+00	2.3E-09	0.0E+00	1.2E-09	5.7E-09	0.01	0.00
975	18.78	1.88	6.29E-06	2.18E-09	6.58E-09	3.81E-09	3.45E-09	1.57E-09	1.41E-09	8.6E-11	2.1E-09	0.0E+00	2.3E-09	0.0E+00	1.2E-09	5.6E-09	0.01	0.00
1000	18.5	1.85	6.20E-06	2.15E-09	6.48E-09	3.75E-09	3.40E-09	1.55E-09	1.39E-09	8.4E-11	2.0E-09	0.0E+00	2.2E-09	0.0E+00	1.2E-09	5.5E-09	0.01	0.00
1025	18.23	1.82	6.11E-06	2.11E-09	6.38E-09	3.70E-09	3.35E-09	1.53E-09	1.36E-09	8.3E-11	2.0E-09	0.0E+00	2.2E-09	0.0E+00	1.2E-09	5.5E-09	0.01	0.00
1050	17.95	1.80	6.01E-06	2.08E-09	6.29E-09	3.64E-09	3.30E-09	1.51E-09	1.34E-09	8.2E-11	2.0E-09	0.0E+00	2.2E-09	0.0E+00	1.1E-09	5.4E-09	0.01	0.00
1075	17.68	1.77	5.92E-06	2.05E-09	6.19E-09	3.58E-09	3.25E-09	1.48E-09	1.32E-09	8.1E-11	1.9E-09	0.0E+00	2.1E-09	0.0E+00	1.1E-09	5.3E-09	0.01	0.00
1100	17.42	1.74	5.84E-06	2.02E-09	6.10E-09	3.53E-09	3.20E-09	1.46E-09	1.30E-09	7.9E-11	1.9E-09	0.0E+00	2.1E-09	0.0E+00	1.1E-09	5.2E-09	0.01	0.00
1125	17.15	1.72	5.75E-06	1.99E-09	6.01E-09	3.48E-09	3.15E-09	1.44E-09	1.28E-09	7.8E-11	1.9E-09	0.0E+00	2.1E-09	0.0E+00	1.1E-09	5.1E-09	0.01	0.00
1150	16.89	1.69	5.66E-06	1.96E-09	5.92E-09	3.42E-09	3.10E-09	1.42E-09	1.26E-09	7.7E-11	1.9E-09	0.0E+00	2.0E-09	0.0E+00	1.1E-09	5.1E-09	0.01	0.00
1175	16.64	1.66	5.58E-06	1.93E-09	5.83E-09	3.37E-09	3.06E-09	1.40E-09	1.25E-09	7.6E-11	1.8E-09	0.0E+00	2.0E-09	0.0E+00	1.1E-09	5.0E-09	0.00	0.00
1200	16.38	1.64	5.49E-06	1.90E-09	5.74E-09	3.32E-09	3.01E-09	1.37E-09	1.23E-09	7.5E-11	1.8E-09	0.0E+00	2.0E-09	0.0E+00	1.0E-09	4.9E-09	0.00	0.00
1225	16.14	1.61	5.41E-06	1.87E-09	5.65E-09	3.27E-09	2.97E-09	1.35E-09	1.21E-09	7.4E-11	1.8E-09	0.0E+00	2.0E-09	0.0E+00	1.0E-09	4.8E-09	0.00	0.00
1250	15.89	1.59	5.32E-06	1.84E-09	5.57E-09	3.22E-09	2.92E-09	1.33E-09	1.19E-09	7.2E-11	1.7E-09	0.0E+00	1.9E-09	0.0E+00	1.0E-09	4.8E-09	0.00	0.00
1275	15.65	1.57	5.24E-06	1.82E-09	5.48E-09	3.17E-09	2.88E-09	1.31E-09	1.17E-09	7.1E-11	1.7E-09	0.0E+00	1.9E-09	0.0E+00	9.9E-10	4.7E-09	0.00	0.00
1300	15.42	1.54	5.17E-06	1.79E-09	5.40E-09	3.13E-09	2.83E-09	1.29E-09	1.15E-09	7.0E-11	1.7E-09	0.0E+00	1.9E-09	0.0E+00	9.8E-10	4.6E-09	0.00	0.00
1325	15.19	1.52	5.09E-06	1.76E-09	5.32E-09	3.08E-09	2.79E-09	1.27E-09	1.14E-09	6.9E-11	1.7E-09	0.0E+00	1.8E-09	0.0E+00	9.7E-10	4.5E-09	0.00	0.00
1350	14.97	1.50	5.02E-06	1.74E-09	5.24E-09	3.04E-09	2.75E-09	1.26E-09	1.12E-09	6.8E-11	1.6E-09	0.0E+00	1.8E-09	0.0E+00	9.5E-10	4.5E-09	0.00	0.00
1375	14.74	1.47	4.94E-06	1.71E-09	5.16E-09	2.99E-09	2.71E-09	1.24E-09	1.10E-09	6.7E-11	1.6E-09	0.0E+00	1.8E-09	0.0E+00	9.4E-10	4.4E-09	0.00	0.00
1400	14.53	1.45	4.87E-06	1.69E-09	5.09E-09	2.95E-09	2.67E-09	1.22E-09	1.09E-09	6.6E-11	1.6E-09	0.0E+00	1.8E-09	0.0E+00	9.2E-10	4.4E-09	0.00	0.00
1425	14.32	1.43	4.80E-06	1.66E-09	5.02E-09	2.90E-09	2.63E-09	1.20E-09	1.07E-09	6.5E-11	1.6E-09	0.0E+00	1.7E-09	0.0E+00	9.1E-10	4.3E-09	0.00	0.00
1450	14.11	1.41	4.73E-06	1.64E-09	4.94E-09	2.86E-09	2.59E-09	1.18E-09	1.06E-09	6.4E-11	1.6E-09	0.0E+00	1.7E-09	0.0E+00	9.0E-10	4.2E-09	0.00	0.00
1475	13.9	1.39	4.66E-06	1.61E-09	4.87E-09	2.82E-09	2.55E-09	1.17E-09	1.04E-09	6.3E-11	1.5E-09	0.0E+00	1.7E-09	0.0E+00	8.8E-10	4.2E-09	0.00	0.00
1500	13.71	1.37	4.59E-06	1.59E-09	4.80E-09	2.78E-09	2.52E-09	1.15E-09	1.03E-09	6.2E-11	1.5E-09	0.0E+00	1.7E-09	0.0E+00	8.7E-10	4.1E-09	0.00	0.00
1525	13.51	1.35	4.53E-06	1.57E-09	4.73E-09	2.74E-09	2.48E-09	1.13E-09	1.01E-09	6.2E-11	1.5E-09	0.0E+00	1.6E-09	0.0E+00	8.6E-10	4.0E-09	0.00	0.00
1550	13.32	1.33	4.46E-06	1.55E-09	4.67E-09	2.70E-09	2.45E-09	1.12E-09	9.97E-10	6.1E-11	1.5E-09	0.0E+00	1.6E-09	0.0E+00	8.5E-10	4.0E-09	0.00	0.00
1575	13.13	1.31	4.40E-06	1.52E-09	4.60E-09	2.66E-09	2.41E-09	1.10E-09	9.83E-10	6.0E-11	1.4E-09	0.0E+00	1.6E-09	0.0E+00	8.3E-10	3.9E-09	0.00	0.00
1600	12.95	1.30	4.34E-06	1.50E-09	4.54E-09	2.63E-09	2.38E-09	1.09E-09	9.70E-10	5.9E-11	1.4E-09	0.0E+00	1.6E-09	0.0E+00	8.2E-10	3.9E-09	0.00	0.00
1625	12.77	1.28	4.28E-06	1.48E-09	4.47E-09	2.59E-09	2.35E-09	1.07E-09	9.56E-10	5.8E-11	1.4E-09	0.0E+00	1.5E-09	0.0E+00	8.1E-10	3.8E-09	0.00	0.00
1650	12.59	1.26	4.22E-06	1.46E-09	4.41E-09	2.55E-09	2.31E-09	1.06E-09	9.43E-10	5.7E-11	1.4E-09	0.0E+00	1.5E-09	0.0E+00	8.0E-10	3.8E-09	0.00	0.00

Gen Sets

0.000003 <-- 1 g/s to DPM scaling factor

PM2.5ex/DPM scaling factor -->

DIST	Unitized AERSCREEN output 1-HR	annual (converted)	Scaled	RESIDENTIAL 70-yr														
				Dose Inhallation						Risk								
(m)	(ug/m3)	annual	annual (scaled)	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Risk Per Million	Chronic Hazard
1675	12.42	1.24	4.16E-06	1.44E-09	4.35E-09	2.52E-09	2.28E-09	1.04E-09	9.30E-10	5.7E-11	1.4E-09	0.0E+00	1.5E-09	0.0E+00	7.9E-10	3.7E-09	0.00	0.00
1700	12.25	1.23	4.10E-06	1.42E-09	4.29E-09	2.48E-09	2.25E-09	1.03E-09	9.17E-10	5.6E-11	1.3E-09	0.0E+00	1.5E-09	0.0E+00	7.8E-10	3.7E-09	0.00	0.00
1725	12.09	1.21	4.05E-06	1.40E-09	4.23E-09	2.45E-09	2.22E-09	1.01E-09	9.05E-10	5.5E-11	1.3E-09	0.0E+00	1.5E-09	0.0E+00	7.7E-10	3.6E-09	0.00	0.00
1750	11.92	1.19	3.99E-06	1.38E-09	4.17E-09	2.42E-09	2.19E-09	1.00E-09	8.92E-10	5.4E-11	1.3E-09	0.0E+00	1.4E-09	0.0E+00	7.6E-10	3.6E-09	0.00	0.00
1775	11.77	1.18	3.94E-06	1.37E-09	4.12E-09	2.39E-09	2.16E-09	9.87E-10	8.81E-10	5.4E-11	1.3E-09	0.0E+00	1.4E-09	0.0E+00	7.5E-10	3.5E-09	0.00	0.00
1800	11.61	1.16	3.89E-06	1.35E-09	4.07E-09	2.35E-09	2.13E-09	9.74E-10	8.69E-10	5.3E-11	1.3E-09	0.0E+00	1.4E-09	0.0E+00	7.4E-10	3.5E-09	0.00	0.00
1825	11.46	1.15	3.84E-06	1.33E-09	4.01E-09	2.32E-09	2.11E-09	9.61E-10	8.58E-10	5.2E-11	1.3E-09	0.0E+00	1.4E-09	0.0E+00	7.3E-10	3.4E-09	0.00	0.00
1850	11.31	1.13	3.79E-06	1.31E-09	3.96E-09	2.29E-09	2.08E-09	9.48E-10	8.47E-10	5.2E-11	1.2E-09	0.0E+00	1.4E-09	0.0E+00	7.2E-10	3.4E-09	0.00	0.00
1875	11.16	1.12	3.74E-06	1.29E-09	3.91E-09	2.26E-09	2.05E-09	9.36E-10	8.36E-10	5.1E-11	1.2E-09	0.0E+00	1.4E-09	0.0E+00	7.1E-10	3.3E-09	0.00	0.00
1900	11.02	1.10	3.69E-06	1.28E-09	3.86E-09	2.23E-09	2.03E-09	9.24E-10	8.25E-10	5.0E-11	1.2E-09	0.0E+00	1.3E-09	0.0E+00	7.0E-10	3.3E-09	0.00	0.00
1925	10.88	1.09	3.65E-06	1.26E-09	3.81E-09	2.21E-09	2.00E-09	9.12E-10	8.15E-10	5.0E-11	1.2E-09	0.0E+00	1.3E-09	0.0E+00	6.9E-10	3.3E-09	0.00	0.00
1950	10.74	1.07	3.60E-06	1.25E-09	3.76E-09	2.18E-09	1.97E-09	9.01E-10	8.04E-10	4.9E-11	1.2E-09	0.0E+00	1.3E-09	0.0E+00	6.8E-10	3.2E-09	0.00	0.00
1975	10.61	1.06	3.56E-06	1.23E-09	3.72E-09	2.15E-09	1.95E-09	8.90E-10	7.94E-10	4.8E-11	1.2E-09	0.0E+00	1.3E-09	0.0E+00	6.7E-10	3.2E-09	0.00	0.00
2000	10.48	1.05	3.51E-06	1.22E-09	3.67E-09	2.12E-09	1.93E-09	8.79E-10	7.85E-10	4.8E-11	1.2E-09	0.0E+00	1.3E-09	0.0E+00	6.7E-10	3.1E-09	0.00	0.00
2025	10.35	1.04	3.47E-06	1.20E-09	3.62E-09	2.10E-09	1.90E-09	8.68E-10	7.75E-10	4.7E-11	1.1E-09	0.0E+00	1.3E-09	0.0E+00	6.6E-10	3.1E-09	0.00	0.00
2050	10.22	1.02	3.42E-06	1.19E-09	3.58E-09	2.07E-09	1.88E-09	8.57E-10	7.65E-10	4.7E-11	1.1E-09	0.0E+00	1.2E-09	0.0E+00	6.5E-10	3.1E-09	0.00	0.00
2075	10.1	1.01	3.38E-06	1.17E-09	3.54E-09	2.05E-09	1.86E-09	8.47E-10	7.56E-10	4.6E-11	1.1E-09	0.0E+00	1.2E-09	0.0E+00	6.4E-10	3.0E-09	0.00	0.00
2100	9.975	1.00	3.34E-06	1.16E-09	3.49E-09	2.02E-09	1.83E-09	8.37E-10	7.47E-10	4.5E-11	1.1E-09	0.0E+00	1.2E-09	0.0E+00	6.3E-10	3.0E-09	0.00	0.00
2125	9.856	0.99	3.30E-06	1.14E-09	3.45E-09	2.00E-09	1.81E-09	8.27E-10	7.38E-10	4.5E-11	1.1E-09	0.0E+00	1.2E-09	0.0E+00	6.3E-10	3.0E-09	0.00	0.00
2150	9.739	0.97	3.26E-06	1.13E-09	3.41E-09	1.97E-09	1.79E-09	8.17E-10	7.29E-10	4.4E-11	1.1E-09	0.0E+00	1.2E-09	0.0E+00	6.2E-10	2.9E-09	0.00	0.00
2175	9.624	0.96	3.22E-06	1.12E-09	3.37E-09	1.95E-09	1.77E-09	8.07E-10	7.21E-10	4.4E-11	1.1E-09	0.0E+00	1.2E-09	0.0E+00	6.1E-10	2.9E-09	0.00	0.00
2200	9.511	0.95	3.19E-06	1.10E-09	3.33E-09	1.93E-09	1.75E-09	7.98E-10	7.12E-10	4.3E-11	1.0E-09	0.0E+00	1.2E-09	0.0E+00	6.0E-10	2.8E-09	0.00	0.00
2225	9.401	0.94	3.15E-06	1.09E-09	3.29E-09	1.91E-09	1.73E-09	7.88E-10	7.04E-10	4.3E-11	1.0E-09	0.0E+00	1.1E-09	0.0E+00	6.0E-10	2.8E-09	0.00	0.00
2250	9.292	0.93	3.11E-06	1.08E-09	3.25E-09	1.88E-09	1.71E-09	7.79E-10	6.96E-10	4.2E-11	1.0E-09	0.0E+00	1.1E-09	0.0E+00	5.9E-10	2.8E-09	0.00	0.00
2275	9.186	0.92	3.08E-06	1.07E-09	3.22E-09	1.86E-09	1.69E-09	7.70E-10	6.88E-10	4.2E-11	1.0E-09	0.0E+00	1.1E-09	0.0E+00	5.8E-10	2.8E-09	0.00	0.00
2300	9.081	0.91	3.04E-06	1.05E-09	3.18E-09	1.84E-09	1.67E-09	7.62E-10	6.80E-10	4.1E-11	1.0E-09	0.0E+00	1.1E-09	0.0E+00	5.8E-10	2.7E-09	0.00	0.00
2325	8.979	0.90	3.01E-06	1.04E-09	3.14E-09	1.82E-09	1.65E-09	7.53E-10	6.72E-10	4.1E-11	9.9E-10	0.0E+00	1.1E-09	0.0E+00	5.7E-10	2.7E-09	0.00	0.00
2350	8.878	0.89	2.97E-06	1.03E-09	3.11E-09	1.80E-09	1.63E-09	7.45E-10	6.65E-10	4.0E-11	9.8E-10	0.0E+00	1.1E-09	0.0E+00	5.6E-10	2.7E-09	0.00	0.00
2375	8.779	0.88	2.94E-06	1.02E-09	3.07E-09	1.78E-09	1.61E-09	7.36E-10	6.57E-10	4.0E-11	9.7E-10	0.0E+00	1.1E-09	0.0E+00	5.6E-10	2.6E-09	0.00	0.00
2400	8.682	0.87	2.91E-06	1.01E-09	3.04E-09	1.76E-09	1.60E-09	7.28E-10	6.50E-10	4.0E-11	9.6E-10	0.0E+00	1.1E-09	0.0E+00	5.5E-10	2.6E-09	0.00	0.00
2425	8.587	0.86	2.88E-06	9.96E-10	3.01E-09	1.74E-09	1.58E-09	7.20E-10	6.43E-10	3.9E-11	9.5E-10	0.0E+00	1.0E-09	0.0E+00	5.5E-10	2.6E-09	0.00	0.00
2450	8.493	0.85	2.85E-06	9.85E-10	2.97E-09	1.72E-09	1.56E-09	7.12E-10	6.36E-10	3.9E-11	9.3E-10	0.0E+00	1.0E-09	0.0E+00	5.4E-10	2.5E-09	0.00	0.00
2475	8.401	0.84	2.82E-06	9.74E-10	2.94E-09	1.70E-09	1.54E-09	7.05E-10	6.29E-10	3.8E-11	9.2E-10	0.0E+00	1.0E-09	0.0E+00	5.3E-10	2.5E-09	0.00	0.00
2500	8.311	0.83	2.78E-06	9.64E-10	2.91E-09	1.69E-09	1.53E-09	6.97E-10	6.22E-10	3.8E-11	9.1E-10	0.0E+00	1.0E-09	0.0E+00	5.3E-10	2.5E-09	0.00	0.00
2525	8.222	0.82	2.76E-06	9.54E-10	2.88E-09	1.67E-09	1.51E-09	6.90E-10	6.16E-10	3.7E-11	9.1E-10	0.0E+00	1.0E-09	0.0E+00	5.2E-10	2.5E-09	0.00	0.00
2550	8.135	0.81	2.73E-06	9.44E-10	2.85E-09	1.65E-09	1.50E-09	6.82E-10	6.09E-10	3.7E-11	9.0E-10	0.0E+00	9.9E-10	0.0E+00	5.2E-10	2.4E-09	0.00	0.00
2575	8.05	0.81	2.70E-06	9.34E-10	2.82E-09	1.63E-09	1.48E-09	6.75E-10	6.03E-10	3.7E-11	8.9E-10	0.0E+00	9.8E-10	0.0E+00	5.1E-10	2.4E-09	0.00	0.00
2600	7.966	0.80	2.67E-06	9.24E-10	2.79E-09	1.62E-09	1.46E-09	6.68E-10	5.96E-10	3.6E-11	8.8E-10	0.0E+00	9.7E-10	0.0E+00	5.1E-10	2.4E-09	0.00	0.00
2625	7.883	0.79	2.64E-06	9.14E-10	2.76E-09	1.60E-09	1.45E-09	6.61E-10	5.90E-10	3.6E-11	8.7E-10	0.0E+00	9.6E-10	0.0E+00	5.0E-10	2.4E-09	0.00	0.00
2650	7.802	0.78	2.61E-06	9.05E-10	2.73E-09	1.58E-09	1.43E-09	6.54E-10	5.84E-10	3.6E-11	8.6E-10	0.0E+00	9.5E-10	0.0E+00	5.0E-10	2.3E-09	0.00	0.00
2675	7.722	0.77	2.59E-06	8.96E-10	2.70E-09	1.57E-09	1.42E-09	6.48E-10	5.78E-10	3.5E-11	8.5E-10	0.0E+00	9.4E-10	0.0E+00	4.9E-10	2.3E-09	0.00	0.00
2700	7.643	0.76	2.56E-06	8.87E-10	2.68E-09	1.55E-09	1.40E-09	6.41E-10	5.72E-10	3.5E-11	8.4E-10	0.0E+00	9.3E-10	0.0E+00	4.9E-10	2.3E-09	0.00	0.00
2725	7.566	0.76	2.54E-06	8.78E-10	2.65E-09	1.53E-09	1.39E-09	6.35E-10	5.66E-10	3.4E-11	8.3E-10	0.0E+00	9.2E-10	0.0E+00	4.8E-10	2.3E-09	0.00	0.00
2750	7.491	0.75	2.51E-06	8.69E-10	2.62E-09	1.52E-09	1.38E-09	6.28E-10	5.61E-10	3.4E-11	8.2E-10	0.0E+00	9.1E-10	0.0E+00	4.8E-10	2.2E-09	0.00	0.00
2775	7.416	0.74	2.48E-06	8.60E-10	2.60E-09	1.50E-09	1.36E-09	6.22E-10	5.55E-10	3.4E-11	8.2E-10	0.0E+00	9.0E-10	0.0E+00	4.7E-10	2.2E-09	0.00	0.00
2800	7.343	0.73	2.46E-06	8.52E-10	2.57E-09	1.49E-09	1.35E-09	6.16E-10	5.50E-10	3.3E-11	8.1E-10	0.0E+00	8.9E-10	0.0E+00	4.7E-10	2.2E-09	0.00	0.00
2825	7.271	0.73	2.44E-06	8.43E-10	2.55E-09	1.47E-09	1.34E-09	6.10E-10	5.44E-10	3.3E-11	8.0E-10	0.0E+00	8.8E-10	0.0E+00	4.6E-10	2.2E-09	0.00	0.00
2850	7.2	0.72	2.41E-06	8.35E-10	2.52E-09	1.46E-09	1.32E-09	6.04E-10	5.39E-10	3.3E-11	7.9E-10	0.0E+00	8.7E-10	0.0E+00	4.6E-10	2.2E-09	0.00	0.00
2875	7.13	0.71	2.39E-06	8.27E-10	2.50E-09	1.45E-09	1.31E-09	5.98E-10	5.34E-10	3.2E-11	7.8E-10	0.0E+00	8.6E-10	0.0E+00	4.5E-10	2.1E-09	0.00	0.00
2900	7.061	0.71	2.37E-06	8.19E-10	2.47E-09	1.43E-09	1.30E-09	5.92E-10	5.29E-10	3.2E-11	7.8E-10	0.0E+00	8.6E-10	0.0E+00	4.5E-10	2.1E-09	0.00	0.00
2925	6.994	0.70	2.34E-06	8.11E-10	2.45E-09	1.42E-09	1.29E-09	5.87E-10	5.24E-10	3.2E-11	7.7E-10	0.0E+00	8.5E-10	0.0E+00	4.4E-10	2.1E-09	0.00	0.00
2950	6.927	0.69	2.32E-06	8.03E-10	2.43E-09	1.40E-09	1.27E-09	5.81E-10	5.19E-10	3.2E-11	7.6E-10	0.0E+00	8.4E-10	0.0E+00	4.4E-10	2.1E-09	0.00	0.00
2975	6.862	0.69	2.30E-06	7.96E-10	2.40E-09	1.39E-09	1.26E-09	5.75E-10	5.14E-10	3.1E-11	7.6E-10	0.0E+00	8.3E-10	0.0E+00	4.4E-10	2.1E-09	0.00	0.00
3000	6.797	0.68	2.28E-06	7.88E-10	2.38E-09	1.38E-09	1.25E-09	5.70E-10	5.09E-10	3.1E-11	7.5E-10	0.0E+00	8.2E-10	0.0E+00	4.3E-10	2.0E-09	0.00	0.00
3025	6.734	0.67	2.26E-06	7.81E-10	2.36E-09	1.37E-09	1.24E-09	5.65E-10	5.04E-10	3.1E-11	7.4E-10	0.0E+00	8.2E-10	0.0E+00	4.3E-10	2.0E-09	0.00	0.00
3050	6.672	0.67	2.24E-06	7.74E-10	2.34E-09	1.35E-09	1.23E-09	5.60E-10	5.00E-10	3.0E-11	7.3E-10	0.0E+00	8.1E-10	0.0E+00	4.2E-10	2.0E-09	0.00	0.00
3075	6.61	0.66	2.21E-06	7.67E-10	2.32E-09	1.34E-09	1.21E-09	5.54E-10	4.95E-10	3.0E-11	7.3E-10	0.0E+00	8.0E-10	0.0E+00	4.2E-10	2.0E-09	0.00	0.00
3100	6.55	0.66	2.19E-06	7.60E-10	2.29E-09	1.33E-09	1.20E-09	5.49E-10	4.90E-10	3.0E-11	7.2E-10	0.0E+00	7.9E-10	0.0E+00	4.2E-10	2.0E-09	0.00	0.00
3125	6.49	0.65	2.17E-06	7.53E-10	2.27E-09	1.32E-09	1.19E-09	5.44E-10	4.86E-10	3.0E-11	7.1E-10	0.0E+00	7.9E-10	0.0E+00	4.1E-10	1.9E-09	0.00	0.00
3150	6.431	0.64	2.15E-06	7.46E-10	2.25E-09	1.30E-09	1.18E-09	5.39E-10	4.81E-10	2.9E-11	7.1E-10	0.0E+00	7.8E-10	0.0E+00	4.1E-10	1.9E-09	0.00	0.00
3175	6.374	0.64	2.14E-06	7.39E-10	2.23E-09	1.29E-09	1.17E-09	5.35E-10	4.77E-10	2.9E-11	7.0E-10	0.0E+00	7.7E-10	0.0E+00	4.0E-10	1.9E-09	0.00	0.00
3200	6.317	0.63	2.12E-06	7.33E-10	2.21E-09	1.28E-09	1.16E-09	5.30E-10	4.73E-10	2.9E-11	7.0E-10	0.0E+00	7.7E-10	0.0E+00	4.0E-10	1.9E-09	0.00	0.00
3225	6.261	0.63	2.10E-06	7.26E-10	2.19E-09	1.27E-09	1.15E-09	5.25E-10	4.69E-10	2.9E-11	6.9E-10	0.0E+00	7.6E-10	0.0E+00	4.0E-10	1.9E-09	0.00	0.00
3250	6.205	0.62	2.08E-06	7.20E-10	2.17E-09	1.26E-09	1.14E-09	5.20E-10	4.65E-10	2.8E-11	6.8E-10	0.0E+00	7.5E-10	0.0E+00	3.9E-10	1.9E-09	0.00	0.00
3275	6.151	0.62	2.06E-06	7.13E-10	2.15E-09	1.25E-09	1.13E-09	5.16E-10	4.61E-10	2.8E-11	6.8E-10	0.0E+00	7.5E-10	0.0E+00	3.9E-10	1.8E-09	0.00	0.00
3300	6.097	0.61	2.04E-06	7.07E-10	2.14E-09	1.24E-09	1.12E-09	5.11E-10	4.56E-10	2.8E-11	6.7E-10	0.0E+00	7.4E-10	0.0E+00	3.9E-10	1.8E-09	0.00	0.00
3325	6.045	0.60	2.03E-06	7.01E-10	2.12E-09	1.23E-09	1.11E-09	5.07E-10	4.53E-10	2.8E-11	6.7E-10	0.0E+00	7.3E-10	0.0E+00	3.8E-10	1.8E-09	0.00	0.00

Gen Sets

0.000003 <-- 1 g/s to DPM scaling factor

PM2.5ex/DPM scaling factor -->

DIST	Unitized AERSCREEN output 1-HR	annual (converted)	Scaled annual (scaled)	RESIDENTIAL 70-yr Dose Inhallation 3rd trimester	0<2	2<9	2<16	16<30	16-70	Risk 3rd trimeste	0<2	2<9	2<16	16<30	16-70	Summed Risk	Risk Per Million	Chronic Hazard
(m)	(ug/m3)	annual	annual (scaled)															
3350	5.992	0.60	2.01E-06	6.95E-10	2.10E-09	1.21E-09	1.10E-09	5.03E-10	4.49E-10	2.7E-11	6.6E-10	0.0E+00	7.3E-10	0.0E+00	3.8E-10	1.8E-09	0.00	0.00
3375	5.941	0.59	1.99E-06	6.89E-10	2.08E-09	1.20E-09	1.09E-09	4.98E-10	4.45E-10	2.7E-11	6.5E-10	0.0E+00	7.2E-10	0.0E+00	3.8E-10	1.8E-09	0.00	0.00
3400	5.891	0.59	1.97E-06	6.83E-10	2.06E-09	1.19E-09	1.08E-09	4.94E-10	4.41E-10	2.7E-11	6.5E-10	0.0E+00	7.1E-10	0.0E+00	3.7E-10	1.8E-09	0.00	0.00
3425	5.841	0.58	1.96E-06	6.78E-10	2.05E-09	1.18E-09	1.07E-09	4.90E-10	4.37E-10	2.7E-11	6.4E-10	0.0E+00	7.1E-10	0.0E+00	3.7E-10	1.7E-09	0.00	0.00
3450	5.792	0.58	1.94E-06	6.72E-10	2.03E-09	1.17E-09	1.06E-09	4.86E-10	4.34E-10	2.6E-11	6.4E-10	0.0E+00	7.0E-10	0.0E+00	3.7E-10	1.7E-09	0.00	0.00
3475	5.743	0.57	1.92E-06	6.66E-10	2.01E-09	1.16E-09	1.06E-09	4.82E-10	4.30E-10	2.6E-11	6.3E-10	0.0E+00	7.0E-10	0.0E+00	3.6E-10	1.7E-09	0.00	0.00
3500	5.695	0.57	1.91E-06	6.61E-10	1.99E-09	1.15E-09	1.05E-09	4.78E-10	4.26E-10	2.6E-11	6.3E-10	0.0E+00	6.9E-10	0.0E+00	3.6E-10	1.7E-09	0.00	0.00
3525	5.648	0.56	1.89E-06	6.55E-10	1.98E-09	1.15E-09	1.04E-09	4.74E-10	4.23E-10	2.6E-11	6.2E-10	0.0E+00	6.9E-10	0.0E+00	3.6E-10	1.7E-09	0.00	0.00
3550	5.602	0.56	1.88E-06	6.50E-10	1.96E-09	1.14E-09	1.03E-09	4.70E-10	4.19E-10	2.6E-11	6.2E-10	0.0E+00	6.8E-10	0.0E+00	3.6E-10	1.7E-09	0.00	0.00
3575	5.556	0.56	1.86E-06	6.44E-10	1.95E-09	1.13E-09	1.02E-09	4.66E-10	4.16E-10	2.5E-11	6.1E-10	0.0E+00	6.7E-10	0.0E+00	3.5E-10	1.7E-09	0.00	0.00
3600	5.511	0.55	1.85E-06	6.39E-10	1.93E-09	1.12E-09	1.01E-09	4.62E-10	4.13E-10	2.5E-11	6.1E-10	0.0E+00	6.7E-10	0.0E+00	3.5E-10	1.7E-09	0.00	0.00
3625	5.466	0.55	1.83E-06	6.34E-10	1.91E-09	1.11E-09	1.00E-09	4.58E-10	4.09E-10	2.5E-11	6.0E-10	0.0E+00	6.6E-10	0.0E+00	3.5E-10	1.6E-09	0.00	0.00
3650	5.422	0.54	1.82E-06	6.29E-10	1.90E-09	1.10E-09	9.97E-10	4.55E-10	4.06E-10	2.5E-11	6.0E-10	0.0E+00	6.6E-10	0.0E+00	3.4E-10	1.6E-09	0.00	0.00
3675	5.379	0.54	1.80E-06	6.24E-10	1.88E-09	1.09E-09	9.89E-10	4.51E-10	4.03E-10	2.5E-11	5.9E-10	0.0E+00	6.5E-10	0.0E+00	3.4E-10	1.6E-09	0.00	0.00
3700	5.336	0.53	1.79E-06	6.19E-10	1.87E-09	1.08E-09	9.81E-10	4.47E-10	3.99E-10	2.4E-11	5.9E-10	0.0E+00	6.5E-10	0.0E+00	3.4E-10	1.6E-09	0.00	0.00
3725	5.294	0.53	1.77E-06	6.14E-10	1.85E-09	1.07E-09	9.73E-10	4.44E-10	3.96E-10	2.4E-11	5.8E-10	0.0E+00	6.4E-10	0.0E+00	3.4E-10	1.6E-09	0.00	0.00
3750	5.252	0.53	1.76E-06	6.09E-10	1.84E-09	1.06E-09	9.65E-10	4.40E-10	3.93E-10	2.4E-11	5.8E-10	0.0E+00	6.4E-10	0.0E+00	3.3E-10	1.6E-09	0.00	0.00
3775	5.211	0.52	1.75E-06	6.04E-10	1.83E-09	1.06E-09	9.58E-10	4.37E-10	3.90E-10	2.4E-11	5.7E-10	0.0E+00	6.3E-10	0.0E+00	3.3E-10	1.6E-09	0.00	0.00
3800	5.171	0.52	1.73E-06	6.00E-10	1.81E-09	1.05E-09	9.50E-10	4.34E-10	3.87E-10	2.4E-11	5.7E-10	0.0E+00	6.3E-10	0.0E+00	3.3E-10	1.5E-09	0.00	0.00
3825	5.131	0.51	1.72E-06	5.95E-10	1.80E-09	1.04E-09	9.43E-10	4.30E-10	3.84E-10	2.3E-11	5.6E-10	0.0E+00	6.2E-10	0.0E+00	3.3E-10	1.5E-09	0.00	0.00
3850	5.091	0.51	1.71E-06	5.91E-10	1.78E-09	1.03E-09	9.36E-10	4.27E-10	3.81E-10	2.3E-11	5.6E-10	0.0E+00	6.2E-10	0.0E+00	3.2E-10	1.5E-09	0.00	0.00
3875	5.052	0.51	1.69E-06	5.86E-10	1.77E-09	1.02E-09	9.29E-10	4.24E-10	3.78E-10	2.3E-11	5.6E-10	0.0E+00	6.1E-10	0.0E+00	3.2E-10	1.5E-09	0.00	0.00
3900	5.014	0.50	1.68E-06	5.82E-10	1.76E-09	1.02E-09	9.22E-10	4.20E-10	3.75E-10	2.3E-11	5.5E-10	0.0E+00	6.1E-10	0.0E+00	3.2E-10	1.5E-09	0.00	0.00
3925	4.976	0.50	1.67E-06	5.77E-10	1.74E-09	1.01E-09	9.15E-10	4.17E-10	3.73E-10	2.3E-11	5.5E-10	0.0E+00	6.0E-10	0.0E+00	3.2E-10	1.5E-09	0.00	0.00
3950	4.938	0.49	1.65E-06	5.73E-10	1.73E-09	1.00E-09	9.08E-10	4.14E-10	3.70E-10	2.3E-11	5.4E-10	0.0E+00	6.0E-10	0.0E+00	3.1E-10	1.5E-09	0.00	0.00
3975	4.901	0.49	1.64E-06	5.68E-10	1.72E-09	9.94E-10	9.01E-10	4.11E-10	3.67E-10	2.2E-11	5.4E-10	0.0E+00	5.9E-10	0.0E+00	3.1E-10	1.5E-09	0.00	0.00
4000	4.865	0.49	1.63E-06	5.64E-10	1.70E-09	9.86E-10	8.94E-10	4.08E-10	3.64E-10	2.2E-11	5.4E-10	0.0E+00	5.9E-10	0.0E+00	3.1E-10	1.5E-09	0.00	0.00
4025	4.829	0.48	1.62E-06	5.60E-10	1.69E-09	9.79E-10	8.88E-10	4.05E-10	3.62E-10	2.2E-11	5.3E-10	0.0E+00	5.9E-10	0.0E+00	3.1E-10	1.4E-09	0.00	0.00
4050	4.793	0.48	1.61E-06	5.56E-10	1.68E-09	9.72E-10	8.81E-10	4.02E-10	3.59E-10	2.2E-11	5.3E-10	0.0E+00	5.8E-10	0.0E+00	3.0E-10	1.4E-09	0.00	0.00
4075	4.758	0.48	1.59E-06	5.52E-10	1.67E-09	9.65E-10	8.74E-10	3.99E-10	3.56E-10	2.2E-11	5.2E-10	0.0E+00	5.8E-10	0.0E+00	3.0E-10	1.4E-09	0.00	0.00
4100	4.723	0.47	1.58E-06	5.48E-10	1.65E-09	9.58E-10	8.68E-10	3.96E-10	3.54E-10	2.2E-11	5.2E-10	0.0E+00	5.7E-10	0.0E+00	3.0E-10	1.4E-09	0.00	0.00
4125	4.689	0.47	1.57E-06	5.44E-10	1.64E-09	9.51E-10	8.62E-10	3.93E-10	3.51E-10	2.1E-11	5.2E-10	0.0E+00	5.7E-10	0.0E+00	3.0E-10	1.4E-09	0.00	0.00
4150	4.655	0.47	1.56E-06	5.40E-10	1.63E-09	9.44E-10	8.56E-10	3.90E-10	3.49E-10	2.1E-11	5.1E-10	0.0E+00	5.6E-10	0.0E+00	3.0E-10	1.4E-09	0.00	0.00
4175	4.621	0.46	1.55E-06	5.36E-10	1.62E-09	9.37E-10	8.49E-10	3.88E-10	3.46E-10	2.1E-11	5.1E-10	0.0E+00	5.6E-10	0.0E+00	2.9E-10	1.4E-09	0.00	0.00
4200	4.588	0.46	1.54E-06	5.32E-10	1.61E-09	9.30E-10	8.43E-10	3.85E-10	3.43E-10	2.1E-11	5.1E-10	0.0E+00	5.6E-10	0.0E+00	2.9E-10	1.4E-09	0.00	0.00
4225	4.556	0.46	1.53E-06	5.28E-10	1.60E-09	9.24E-10	8.37E-10	3.82E-10	3.41E-10	2.1E-11	5.0E-10	0.0E+00	5.5E-10	0.0E+00	2.9E-10	1.4E-09	0.00	0.00
4250	4.523	0.45	1.52E-06	5.25E-10	1.58E-09	9.17E-10	8.31E-10	3.79E-10	3.39E-10	2.1E-11	5.0E-10	0.0E+00	5.5E-10	0.0E+00	2.9E-10	1.4E-09	0.00	0.00
4275	4.491	0.45	1.50E-06	5.21E-10	1.57E-09	9.11E-10	8.25E-10	3.77E-10	3.36E-10	2.0E-11	4.9E-10	0.0E+00	5.4E-10	0.0E+00	2.9E-10	1.3E-09	0.00	0.00
4300	4.46	0.45	1.49E-06	5.17E-10	1.56E-09	9.04E-10	8.20E-10	3.74E-10	3.34E-10	2.0E-11	4.9E-10	0.0E+00	5.4E-10	0.0E+00	2.8E-10	1.3E-09	0.00	0.00
4325	4.429	0.44	1.48E-06	5.14E-10	1.55E-09	8.98E-10	8.14E-10	3.71E-10	3.32E-10	2.0E-11	4.9E-10	0.0E+00	5.4E-10	0.0E+00	2.8E-10	1.3E-09	0.00	0.00
4350	4.398	0.44	1.47E-06	5.10E-10	1.54E-09	8.92E-10	8.08E-10	3.69E-10	3.29E-10	2.0E-11	4.8E-10	0.0E+00	5.3E-10	0.0E+00	2.8E-10	1.3E-09	0.00	0.00
4375	4.368	0.44	1.46E-06	5.07E-10	1.53E-09	8.86E-10	8.03E-10	3.66E-10	3.27E-10	2.0E-11	4.8E-10	0.0E+00	5.3E-10	0.0E+00	2.8E-10	1.3E-09	0.00	0.00
4400	4.338	0.43	1.45E-06	5.03E-10	1.52E-09	8.80E-10	7.97E-10	3.64E-10	3.25E-10	2.0E-11	4.8E-10	0.0E+00	5.3E-10	0.0E+00	2.8E-10	1.3E-09	0.00	0.00
4425	4.308	0.43	1.44E-06	5.00E-10	1.51E-09	8.73E-10	7.92E-10	3.61E-10	3.23E-10	2.0E-11	4.7E-10	0.0E+00	5.2E-10	0.0E+00	2.7E-10	1.3E-09	0.00	0.00
4450	4.278	0.43	1.43E-06	4.96E-10	1.50E-09	8.67E-10	7.86E-10	3.59E-10	3.20E-10	1.9E-11	4.7E-10	0.0E+00	5.2E-10	0.0E+00	2.7E-10	1.3E-09	0.00	0.00
4475	4.249	0.42	1.42E-06	4.93E-10	1.49E-09	8.61E-10	7.81E-10	3.56E-10	3.18E-10	1.9E-11	4.7E-10	0.0E+00	5.2E-10	0.0E+00	2.7E-10	1.3E-09	0.00	0.00
4500	4.221	0.42	1.41E-06	4.90E-10	1.48E-09	8.56E-10	7.76E-10	3.54E-10	3.16E-10	1.9E-11	4.6E-10	0.0E+00	5.1E-10	0.0E+00	2.7E-10	1.3E-09	0.00	0.00
4525	4.192	0.42	1.40E-06	4.86E-10	1.47E-09	8.50E-10	7.70E-10	3.52E-10	3.14E-10	1.9E-11	4.6E-10	0.0E+00	5.1E-10	0.0E+00	2.7E-10	1.3E-09	0.00	0.00
4550	4.164	0.42	1.40E-06	4.83E-10	1.46E-09	8.44E-10	7.65E-10	3.49E-10	3.12E-10	1.9E-11	4.6E-10	0.0E+00	5.1E-10	0.0E+00	2.6E-10	1.2E-09	0.00	0.00
4575	4.137	0.41	1.39E-06	4.80E-10	1.45E-09	8.39E-10	7.60E-10	3.47E-10	3.10E-10	1.9E-11	4.6E-10	0.0E+00	5.0E-10	0.0E+00	2.6E-10	1.2E-09	0.00	0.00
4600	4.109	0.41	1.38E-06	4.77E-10	1.44E-09	8.33E-10	7.55E-10	3.45E-10	3.08E-10	1.9E-11	4.5E-10	0.0E+00	5.0E-10	0.0E+00	2.6E-10	1.2E-09	0.00	0.00
4625	4.082	0.41	1.37E-06	4.73E-10	1.43E-09	8.28E-10	7.50E-10	3.42E-10	3.06E-10	1.9E-11	4.5E-10	0.0E+00	5.0E-10	0.0E+00	2.6E-10	1.2E-09	0.00	0.00
4650	4.055	0.41	1.36E-06	4.70E-10	1.42E-09	8.22E-10	7.45E-10	3.40E-10	3.04E-10	1.8E-11	4.5E-10	0.0E+00	4.9E-10	0.0E+00	2.6E-10	1.2E-09	0.00	0.00
4675	4.029	0.40	1.35E-06	4.67E-10	1.41E-09	8.17E-10	7.40E-10	3.38E-10	3.02E-10	1.8E-11	4.4E-10	0.0E+00	4.9E-10	0.0E+00	2.6E-10	1.2E-09	0.00	0.00
4700	4.003	0.40	1.34E-06	4.64E-10	1.40E-09	8.12E-10	7.36E-10	3.36E-10	3.00E-10	1.8E-11	4.4E-10	0.0E+00	4.9E-10	0.0E+00	2.5E-10	1.2E-09	0.00	0.00
4725	3.977	0.40	1.33E-06	4.61E-10	1.39E-09	8.06E-10	7.31E-10	3.34E-10	2.98E-10	1.8E-11	4.4E-10	0.0E+00	4.8E-10	0.0E+00	2.5E-10	1.2E-09	0.00	0.00
4750	3.951	0.40	1.32E-06	4.58E-10	1.38E-09	8.01E-10	7.26E-10	3.31E-10	2.96E-10	1.8E-11	4.3E-10	0.0E+00	4.8E-10	0.0E+00	2.5E-10	1.2E-09	0.00	0.00
4775	3.926	0.39	1.32E-06	4.55E-10	1.38E-09	7.96E-10	7.22E-10	3.29E-10	2.94E-10	1.8E-11	4.3E-10	0.0E+00	4.8E-10	0.0E+00	2.5E-10	1.2E-09	0.00	0.00
4800	3.901	0.39	1.31E-06	4.52E-10	1.37E-09	7.91E-10	7.17E-10	3.27E-10	2.92E-10	1.8E-11	4.3E-10	0.0E+00	4.7E-10	0.0E+00	2.5E-10	1.2E-09	0.00	0.00
4825	3.876	0.39	1.30E-06	4.50E-10	1.36E-09	7.86E-10	7.12E-10	3.25E-10	2.90E-10	1.8E-11	4.3E-10	0.0E+00	4.7E-10	0.0E+00	2.5E-10	1.2E-09	0.00	0.00
4850	3.852	0.39	1.29E-06	4.47E-10	1.35E-09	7.81E-10	7.08E-10	3.23E-10	2.88E-10	1.8E-11	4.2E-10	0.0E+00	4.7E-10	0.0E+00	2.4E-10	1.2E-09	0.00	0.00
4875	3.827	0.38	1.28E-06	4.44E-10	1.34E-09	7.76E-10	7.03E-10	3.21E-10	2.87E-10	1.7E-11	4.2E-10	0.0E+00	4.6E-10	0.0E+00	2.4E-10	1.1E-09	0.00	0.00
4900	3.804	0.38	1.27E-06	4.41E-10	1.33E-09	7.71E-10	6.99E-10	3.19E-10	2.85E-10	1.7E-11	4.2E-10	0.0E+00	4.6E-10	0.0E+00	2.4E-10	1.1E-09	0.00	0.00
4925	3.78	0.38	1.27E-06	4.38E-10	1.32E-09	7.66E-10	6.95E-10	3.17E-10	2.83E-10	1.7E-11	4.2E-10	0.0E+00	4.6E-10	0.0E+00	2.4E-10	1.1E-09	0.00	0.00
4950	3.756	0.38	1.26E-06	4.36E-10	1.32E-09	7.62E-10	6.90E-10	3.15E-10	2.81E-10	1.7E-11	4.1E-10	0.0E+00	4.6E-10	0.0E+00	2.4E-10	1.1E-09	0.00	0.00
4975	3.733	0.37	1.25E-06	4.33E-10	1.31E-09	7.57E-10	6.86E-10	3.13E-10	2.79E-10	1.7E-11	4.1E-10	0.0E+00	4.5E-10	0.0E+00	2.4E-10	1.1E-09	0.00	0.00
5000	3.71	0.37	1.24E-06	4.30E-10	1.30E-09	7.52E-10	6.82E-10	3.11E-10	2.78E-10	1.7E-11	4.1E-10	0.0E+00	4.5E-10	0.0E+00	2.4E-10	1.1E-09	0.00	0.00

Gen Sets

			0.000003	1.000																	
	Unitized		Scaled																		
	AERSCREEN output				DAYCARE (6-yr)																
DIST	1-HR	annual (converted)				Dose Inhallation						Risk									
(m)	(ug/m3)	annual	annual (scaled)	PM2.5	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimester	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	Chronic Hazard	PM2.5
1	20510	2051.00	6.87E-03	7E-03	5.66E-07	1.88E-06	1.00E-06	8.16E-07	3.77E-07	3.61E-07	7.48E-08	1.99E-06	6.36E-07	0.00E+00	0.00E+00	0.00E+00	2.70E-06	2.7E+00	1.37E-03	6.87E-03
25	285.5	28.55	9.57E-05	9.56664E-05	7.88E-09	2.62E-08	1.40E-08	1.14E-08	5.24E-09	5.02E-09	1.04E-09	2.77E-08	8.86E-09	0.00E+00	0.00E+00	0.00E+00	3.76E-08	3.76E-02	1.91E-05	9.57E-05
50	137.4	13.74	4.60E-05	4.60405E-05	3.79E-09	1.26E-08	6.73E-09	5.47E-09	2.52E-09	2.42E-09	5.01E-10	1.33E-08	4.26E-09	0.00E+00	0.00E+00	0.00E+00	1.81E-08	1.81E-02	9.21E-06	4.60E-05
75	114.6	11.46	3.84E-05	3.84006E-05	3.16E-09	1.05E-08	5.61E-09	4.56E-09	2.10E-09	2.02E-09	4.18E-10	1.11E-08	3.56E-09	0.00E+00	0.00E+00	0.00E+00	1.51E-08	1.51E-02	7.68E-06	3.84E-05
100	95.3	9.53	3.19E-05	3.19335E-05	2.63E-09	8.75E-09	4.67E-09	3.79E-09	1.75E-09	1.68E-09	3.47E-10	9.24E-09	2.96E-09	0.00E+00	0.00E+00	0.00E+00	1.25E-08	1.25E-02	6.39E-06	3.19E-05
125	81.55	8.16	2.73E-05	2.73261E-05	2.25E-09	7.49E-09	3.99E-09	3.24E-09	1.50E-09	1.43E-09	2.97E-10	7.91E-09	2.53E-09	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.07E-02	5.47E-06	2.73E-05
150	70.06	7.01	2.35E-05	2.3476E-05	1.93E-09	6.43E-09	3.43E-09	2.79E-09	1.29E-09	1.23E-09	2.55E-10	6.79E-09	2.17E-09	0.00E+00	0.00E+00	0.00E+00	9.22E-09	9.22E-03	4.70E-06	2.35E-05
175	60.11	6.01	2.01E-05	2.01419E-05	1.66E-09	5.52E-09	2.94E-09	2.39E-09	1.10E-09	1.06E-09	2.19E-10	5.83E-09	1.86E-09	0.00E+00	0.00E+00	0.00E+00	7.91E-09	7.91E-03	4.03E-06	2.01E-05
200	51.88	5.19	1.74E-05	1.73841E-05	1.43E-09	4.76E-09	2.54E-09	2.06E-09	9.53E-10	9.13E-10	1.89E-10	5.03E-09	1.61E-09	0.00E+00	0.00E+00	0.00E+00	6.83E-09	6.83E-03	3.48E-06	1.74E-05
225	45.14	4.51	1.51E-05	1.51257E-05	1.25E-09	4.14E-09	2.21E-09	1.80E-09	8.29E-10	7.94E-10	1.65E-10	4.38E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	5.94E-09	5.94E-03	3.03E-06	1.51E-05
250	40.78	4.08	1.37E-05	1.36647E-05	1.13E-09	3.74E-09	2.00E-09	1.62E-09	7.49E-10	7.18E-10	1.49E-10	3.95E-09	1.27E-09	0.00E+00	0.00E+00	0.00E+00	5.37E-09	5.37E-03	2.73E-06	1.37E-05
275	37.09	3.71	1.24E-05	1.24283E-05	1.02E-09	3.41E-09	1.82E-09	1.48E-09	6.81E-10	6.53E-10	1.35E-10	3.60E-09	1.15E-09	0.00E+00	0.00E+00	0.00E+00	4.88E-09	4.88E-03	2.49E-06	1.24E-05
300	33.84	3.38	1.13E-05	1.13392E-05	9.35E-10	3.11E-09	1.66E-09	1.35E-09	6.21E-10	5.95E-10	1.23E-10	3.28E-09	1.05E-09	0.00E+00	0.00E+00	0.00E+00	4.45E-09	4.45E-03	2.27E-06	1.13E-05
325	30.98	3.10	1.04E-05	1.03809E-05	8.56E-10	2.84E-09	1.52E-09	1.23E-09	5.69E-10	5.45E-10	1.13E-10	3.00E-09	9.61E-10	0.00E+00	0.00E+00	0.00E+00	4.08E-09	4.08E-03	2.08E-06	1.04E-05
350	28.46	2.85	9.54E-06	9.53648E-06	7.86E-10	2.61E-09	1.39E-09	1.13E-09	5.23E-10	5.01E-10	1.04E-10	2.76E-09	8.83E-10	0.00E+00	0.00E+00	0.00E+00	3.75E-09	3.75E-03	1.91E-06	9.54E-06
375	26.23	2.62	8.79E-06	8.78925E-06	7.24E-10	2.41E-09	1.28E-09	1.04E-09	4.82E-10	4.62E-10	9.56E-11	2.54E-09	8.14E-10	0.00E+00	0.00E+00	0.00E+00	3.45E-09	3.45E-03	1.76E-06	8.79E-06
400	24.26	2.43	8.13E-06	8.12913E-06	6.70E-10	2.23E-09	1.19E-09	9.65E-10	4.45E-10	4.27E-10	8.84E-11	2.35E-09	7.53E-10	0.00E+00	0.00E+00	0.00E+00	3.19E-09	3.19E-03	1.63E-06	8.13E-06
425	24.33	2.43	8.15E-06	8.15259E-06	6.72E-10	2.23E-09	1.19E-09	9.68E-10	4.47E-10	4.28E-10	8.87E-11	2.36E-09	7.55E-10	0.00E+00	0.00E+00	0.00E+00	3.20E-09	3.20E-03	1.63E-06	8.15E-06
450	24.31	2.43	8.15E-06	8.14589E-06	6.71E-10	2.23E-09	1.19E-09	9.67E-10	4.46E-10	4.28E-10	8.86E-11	2.36E-09	7.54E-10	0.00E+00	0.00E+00	0.00E+00	3.20E-09	3.20E-03	1.63E-06	8.15E-06
475	24.19	2.42	8.11E-06	8.10568E-06	6.68E-10	2.22E-09	1.18E-09	9.62E-10	4.44E-10	4.26E-10	8.82E-11	2.35E-09	7.50E-10	0.00E+00	0.00E+00	0.00E+00	3.18E-09	3.18E-03	1.62E-06	8.11E-06
500	24.01	2.40	8.05E-06	8.04536E-06	6.63E-10	2.20E-09	1.18E-09	9.55E-10	4.41E-10	4.22E-10	8.75E-11	2.33E-09	7.45E-10	0.00E+00	0.00E+00	0.00E+00	3.16E-09	3.16E-03	1.61E-06	8.05E-06
525	23.77	2.38	7.96E-06	7.96494E-06	6.56E-10	2.18E-09	1.16E-09	9.46E-10	4.36E-10	4.18E-10	8.67E-11	2.30E-09	7.37E-10	0.00E+00	0.00E+00	0.00E+00	3.13E-09	3.13E-03	1.59E-06	7.96E-06
550	23.49	2.35	7.87E-06	7.87112E-06	6.49E-10	2.16E-09	1.15E-09	9.34E-10	4.31E-10	4.13E-10	8.56E-11	2.28E-09	7.29E-10	0.00E+00	0.00E+00	0.00E+00	3.09E-09	3.09E-03	1.57E-06	7.87E-06
575	23.17	2.32	7.76E-06	7.76389E-06	6.40E-10	2.13E-09	1.13E-09	9.22E-10	4.25E-10	4.08E-10	8.45E-11	2.25E-09	7.19E-10	0.00E+00	0.00E+00	0.00E+00	3.05E-09	3.05E-03	1.55E-06	7.76E-06
600	22.83	2.28	7.65E-06	7.64996E-06	6.31E-10	2.10E-09	1.12E-09	9.08E-10	4.19E-10	4.02E-10	8.32E-11	2.21E-09	7.08E-10	0.00E+00	0.00E+00	0.00E+00	3.00E-09	3.00E-03	1.53E-06	7.65E-06
625	22.47	2.25	7.53E-06	7.52933E-06	6.21E-10	2.06E-09	1.10E-09	8.94E-10	4.13E-10	3.95E-10	8.19E-11	2.18E-09	6.97E-10	0.00E+00	0.00E+00	0.00E+00	2.96E-09	2.96E-03	1.51E-06	7.53E-06
650	22.1	2.21	7.41E-06	7.40535E-06	6.10E-10	2.03E-09	1.08E-09	8.79E-10	4.06E-10	3.89E-10	8.06E-11	2.14E-09	6.86E-10	0.00E+00	0.00E+00	0.00E+00	2.91E-09	2.91E-03	1.48E-06	7.41E-06
675	21.91	2.19	7.34E-06	7.34168E-06	6.05E-10	2.01E-09	1.07E-09	8.72E-10	4.02E-10	3.86E-10	7.99E-11	2.12E-09	6.80E-10	0.00E+00	0.00E+00	0.00E+00	2.88E-09	2.88E-03	1.47E-06	7.34E-06
700	21.7	2.17	7.27E-06	7.27132E-06	5.99E-10	1.99E-09	1.06E-09	8.63E-10	3.98E-10	3.82E-10	7.91E-11	2.10E-09	6.73E-10	0.00E+00	0.00E+00	0.00E+00	2.86E-09	2.86E-03	1.45E-06	7.27E-06
725	21.48	2.15	7.20E-06	7.1976E-06	5.93E-10	1.97E-09	1.05E-09	8.55E-10	3.94E-10	3.78E-10	7.83E-11	2.08E-09	6.66E-10	0.00E+00	0.00E+00	0.00E+00	2.83E-09	2.83E-03	1.44E-06	7.20E-06
750	21.24	2.12	7.12E-06	7.11718E-06	5.87E-10	1.95E-09	1.04E-09	8.45E-10	3.90E-10	3.74E-10	7.74E-11	2.06E-09	6.59E-10	0.00E+00	0.00E+00	0.00E+00	2.80E-09	2.80E-03	1.42E-06	7.12E-06
775	20.99	2.10	7.03E-06	7.03341E-06	5.80E-10	1.93E-09	1.03E-09	8.35E-10	3.85E-10	3.69E-10	7.65E-11	2.03E-09	6.51E-10	0.00E+00	0.00E+00	0.00E+00	2.76E-09	2.76E-03	1.41E-06	7.03E-06
800	20.72	2.07	6.94E-06	6.94293E-06	5.72E-10	1.90E-09	1.01E-09	8.24E-10	3.80E-10	3.65E-10	7.55E-11	2.01E-09	6.43E-10	0.00E+00	0.00E+00	0.00E+00	2.73E-09	2.73E-03	1.39E-06	6.94E-06
825	20.46	2.05	6.86E-06	6.85581E-06	5.65E-10	1.88E-09	1.00E-09	8.14E-10	3.76E-10	3.60E-10	7.46E-11	1.98E-09	6.35E-10	0.00E+00	0.00E+00	0.00E+00	2.69E-09	2.69E-03	1.37E-06	6.86E-06
850	20.18	2.02	6.76E-06	6.76199E-06	5.57E-10	1.85E-09	9.88E-10	8.03E-10	3.71E-10	3.55E-10	7.36E-11	1.96E-09	6.26E-10	0.00E+00	0.00E+00	0.00E+00	2.66E-09	2.66E-03	1.35E-06	6.76E-06
875	19.91	1.99	6.67E-06	6.67152E-06	5.50E-10	1.83E-09	9.75E-10	7.92E-10	3.66E-10	3.50E-10	7.26E-11	1.93E-09	6.18E-10	0.00E+00	0.00E+00	0.00E+00	2.62E-09	2.62E-03	1.33E-06	6.67E-06
900	19.63	1.96	6.58E-06	6.57769E-06	5.42E-10	1.80E-09	9.61E-10	7.81E-10	3.60E-10	3.45E-10	7.16E-11	1.90E-09	6.09E-10	0.00E+00	0.00E+00	0.00E+00	2.58E-09	2.58E-03	1.32E-06	6.58E-06
925	19.34	1.93	6.48E-06	6.48052E-06	5.34E-10	1.78E-09	9.47E-10	7.69E-10	3.55E-10	3.40E-10	7.05E-11	1.87E-09	6.00E-10	0.00E+00	0.00E+00	0.00E+00	2.55E-09	2.55E-03	1.30E-06	6.48E-06
950	19.06	1.91	6.39E-06	6.3867E-06	5.26E-10	1.75E-09	9.33E-10	7.58E-10	3.50E-10	3.35E-10	6.95E-11	1.85E-09	5.91E-10	0.00E+00	0.00E+00	0.00E+00	2.51E-09	2.51E-03	1.28E-06	6.39E-06
975	18.78	1.88	6.29E-06	6.29287E-06	5.19E-10	1.72E-09	9.20E-10	7.47E-10	3.45E-10	3.30E-10	6.85E-11	1.82E-09	5.83E-10	0.00E+00	0.00E+00	0.00E+00	2.47E-09	2.47E-03	1.26E-06	6.29E-06
1000	18.5	1.85	6.20E-06	6.19905E-06	5.11E-10	1.70E-09	9.06E-10	7.36E-10	3.40E-10	3.26E-10	6.74E-11	1.79E-09	5.74E-10	0.00E+00	0.00E+00	0.00E+00	2.43E-09	2.43E-03	1.24E-06	6.20E-06
1025	18.23	1.82	6.11E-06	6.10858E-06	5.03E-10	1.67E-09	8.93E-10	7.25E-10	3.35E-10	3.21E-10	6.65E-11	1.77E-09	5.66E-10	0.00E+00	0.00E+00	0.00E+00	2.40E-09	2.40E-03	1.22E-06	6.11E-06
1050	17.95	1.80	6.01E-06	6.01475E-06	4.96E-10	1.65E-09	8.79E-10	7.14E-10	3.30E-10	3.16E-10	6.54E-11	1.74E-09	5.57E-10	0.00E+00	0.00E+00	0.00E+00	2.36E-09	2.36E-03	1.20E-06	6.01E-06
1075	17.68	1.77	5.92E-06	5.92428E-06	4.88E-10	1.62E-09	8.66E-10	7.03E-10	3.25E-10	3.11E-10	6.45E-11	1.71E-09	5.48E-10	0.00E+00	0.00E+00	0.00E+00	2.33E-09	2.33E-03	1.18E-06	5.92E-06
1100	17.42	1.74	5.84E-06	5.83716E-06	4.81E-10	1.60E-09	8.53E-10	6.93E-10	3.20E-10	3.07E-10	6.35E-11	1.69E-09	5.40E-10	0.00E+00	0.00E+00	0.00E+00	2.29E-09	2.29E-03	1.17E-06	5.84E-06
1125	17.15	1.72	5.75E-06	5.74669E-06	4.74E-10	1.57E-09	8.40E-10	6.82E-10	3.15E-10	3.02E-10	6.25E-11	1.66E-09	5.32E-10	0.00E+00	0.00E+00	0.00E+00	2.26E-09	2.26E-03	1.15E-06	5.75E-06
1150	16.89	1.69	5.66E-06	5.65956E-06	4.66E-10	1.55E-09	8.27E-10	6.72E-10	3.10E-10	2.97E-10	6.16E-11	1.64E-09	5.24E-10	0.00E+00	0.00E+00	0.00E+00	2.22E-09	2.22E-03	1.13E-06	5.66E-06
1175	16.64	1.66	5.58E-06	5.57579E-06	4.60E-10	1.53E-09	8.15E-10	6.62E-10	3.06E-10	2.93E-10	6.07E-11	1.61E-09	5.16E-10	0.00E+00	0.00E+00	0.00E+00	2.19E-09	2.19E-03	1.12E-06	5.58E-06
1200	16.38	1.64	5.49E-06	5.48867E-06	4.52E-10	1.50E-09	8.02E-10	6.52E-10	3.01E-10	2.88E-10	5.97E-11	1.59E-09	5.08E-10	0.00E+00	0.00E+00	0.00E+00	2.16E-09	2.16E-03	1.10E-06	5.49E-06
1225	16.14	1.61	5.41E-06	5.40825E-06	4.46E-10	1.48E-09	7.90E-10	6.42E-10	2.96E-10	2.84E-10	5.88E-11	1.56E-09	5.01E-10	0.00E+00	0.00E+00	0.00E+00	2.12E-09	2.12E-03	1.08E-06	5.41E-06
1250	15.89	1.59	5.32E-06	5.32448E-06	4.39E-10	1.46E-09	7.78E-10	6.32E-10	2.92E-10	2.80E-10	5.79E-11	1.54E-09	4.93E-10	0.00E+00	0.00E+00	0.00E+00	2.09E-09	2.09E-03	1.06E-06	5.32E-06
1275	15.65	1.57	5.24E-06	5.24406E-06	4.32E-10	1.44E-09	7.66E-10	6.23E-10	2.87E-10	2.75E-10	5.71E-11	1.52E-09	4.85E-10	0.00E+00	0.00E+00	0.00E+00	2.06E-09	2.06E-03	1.05E-06	5.24E-06
1300	15.42	1.54	5.17E-06	5.16699E-06	4.26E-10	1.42E-09	7.55E-10	6.13E-10	2.83E-10	2.71E-10	5.62E-11	1.49E-09	4.78E-10	0.00E+00	0.00E+00	0.00E+00	2.03E-09	2.03E-03	1.03E-06	5.17E-06
1325	15.19	1.52	5.09E-06	5.08992E-06	4.20E-10	1.39E-09	7.44E-10	6.04E-10	2.79E-10	2.67E-10	5.54E-11	1.47E-09	4.71E-10	0.00E+00	0.00E+00	0.00E+00	2.00E-09	2.00E-03	1.02E-06	5.09E-06
1350	14.97	1.50	5.02E-06	5.0162E-06	4.13E-10	1.37E-09	7.33E-10	5.96E-10	2.75E-10	2.63E-10	5.46E-11	1.45E-09	4.64E-10	0.00E+00	0.00E+00	0.00E+00	1.97E-09	1.97E-03	1.00E-06	5.02E-06
1375	14.74	1.47	4.94E-06	4.93913E-06	4.07E-10	1.35E-09	7.22E-10	5.86E-10	2.71E-10	2.59E-10	5.37E-11	1.43E-09	4.57E-10	0.00E+00	0.00E+00	0.00E+00	1.94E-09	1.94E-03	9.88E-07	4.94E-06
1400	14.53	1.45	4.87E-06	4.86877E-06	4.01E-10	1.33E-09	7.11E-10	5.78E-10	2.67E-10	2.56E-10	5.30E-11	1.41E-09	4.51E-10	0.00E+00	0.00E+00	0.00E+00	1.91E-09	1.91E-03	9.74E-07	4.87E-06
1425	14.32	1.43	4.80E-06	4.7984E-06	3.95E-10	1.31E-09	7.01E-10	5.70E-10	2.63E-10	2.52E-10	5.22E-11	1.39E-09	4.44E-10	0.00E+00	0.00E+00	0.00E+00	1.88E-09	1.88E-03	9.60E-07	4.80E-06
1450	14.11	1.41	4.73E-06	4.72803E-06	3.90E-10	1.30E-09	6.91E-10	5.61E-10	2.59E-10	2.48E-10	5.14E-11	1.37E-09	4.38E-10	0.00E+00	0.00E+00	0.00E+00	1.86E-09	1.86E-03	9.46E-07	4.73E-06
1475	13.9	1.39	4.66E-06	4.65766E-06	3.84E-10	1.28E-09	6.81E-10	5.53E-10	2.55E-10	2.45E-10	5.07E-11	1.35E-09	4.31E-10	0.00E+00	0.00E+00	0.00E+00	1.83E-09	1.83E-03	9.32E-07	4.66E-06
1500	13.71	1.37	4.59E-06	4.594E-06	3.79E-10	1.26E-09	6.71E-10	5.45E-10	2.52E-10	2.41E-10	5.00E-11	1.33E-09	4.25E-10	0.00E+00	0.00E+00	0.00E+00	1.80E-09	1.80E-03	9.19E-07	4.59E-06
1525	13.51	1.35	4.53E-06	4.52698E-06	3.73E-10	1.24E-09	6.61E-10	5.37E-10	2.48E-10	2.38E-10	4.93E-11	1.31E-09	4.19E-10	0.00E+00	0.00E+00	0.00E+00	1.78E-09	1.78E-03	9.05E-07	4.53E-06
1550	13.32	1.33	4.46E-06	4.46332E-06	3.68E-10	1.22E-09	6.52E-10	5.30E-10	2.45E-10	2.34E-10	4.86E-11	1.29E-09	4.13E-10	0.00E+00	0.00E+00	0.00E+00	1.75E-09	1.75E-03	8.93E-07	4.46E-06
1575	13.13	1.31	4.40E-06	4.39965E-06	3.63E-10	1.21E-09	6.43E-10	5.22E-10	2.41E-10	2.31E-10	4.79E-11	1.27E-09	4.07E-10	0.00E+00	0.00E+00	0.00E+00	1.73E-09	1.73E-03	8.80E-07	4.40E-06
1600	12.95	1.30	4.34E-06	4.33933E-06	3.58E-10	1.19E-09	6.34E-10	5.15E-10	2.38E-10	2.28E-10	4.72E-11	1.26E-09	4.02E-10	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.70E-03	8.68E-07	4.34E-06
1625	12.77	1.28	4.28E-06	4.27902E-06	3.53E-10	1.17E-09	6.25E-10	5.08E-10	2.34E-10	2.25E-10	4.66E-11	1.24E-09	3.96E-10	0.00E+00	0.00E+00	0.00E+00	1.68E-09	1.68E-03	8.56E-07	4.28E-06
1650	12.59	1.26	4.22E-06	4.2187E-06	3.48E-10	1.16E-09	6.16E-10	5.01E-10	2.31E-10	2.22E-10	4.59E-11	1.22E-09	3.91E-10	0.00E+00	0.00E+00	0.00E+00	1.66E-09	1.66E-03	8.44E-07	4.22E-06

Gen Sets

			0.000003	1.000																
	Unitized		Scaled																	
	AERSCREEN output																			
DIST	1-HR	annual (converted)																		
					DAYCARE (6-yr)															
					Dose Inhallation							Risk								
(m)	(ug/m3)	annual	annual (scaled)	PM2.5	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimester	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	Chronic Hazard	PM2.5
1675	12.42	1.24	4.16E-06	4.16174E-06	3.43E-10	1.14E-09	6.08E-10	4.94E-10	2.28E-10	2.19E-10	4.53E-11	1.20E-09	3.85E-10	0.00E+00	0.00E+00	0.00E+00	1.63E-09	1.63E-03	8.32E-07	4.16E-06
1700	12.25	1.23	4.10E-06	4.10478E-06	3.38E-10	1.12E-09	6.00E-10	4.87E-10	2.25E-10	2.16E-10	4.47E-11	1.19E-09	3.80E-10	0.00E+00	0.00E+00	0.00E+00	1.61E-09	1.61E-03	8.21E-07	4.10E-06
1725	12.09	1.21	4.05E-06	4.05116E-06	3.34E-10	1.11E-09	5.92E-10	4.81E-10	2.22E-10	2.13E-10	4.41E-11	1.17E-09	3.75E-10	0.00E+00	0.00E+00	0.00E+00	1.59E-09	1.59E-03	8.10E-07	4.05E-06
1750	11.92	1.19	3.99E-06	3.9942E-06	3.29E-10	1.09E-09	5.84E-10	4.74E-10	2.19E-10	2.10E-10	4.35E-11	1.16E-09	3.70E-10	0.00E+00	0.00E+00	0.00E+00	1.57E-09	1.57E-03	7.99E-07	3.99E-06
1775	11.77	1.18	3.94E-06	3.94394E-06	3.25E-10	1.08E-09	5.76E-10	4.68E-10	2.16E-10	2.07E-10	4.29E-11	1.14E-09	3.65E-10	0.00E+00	0.00E+00	0.00E+00	1.55E-09	1.55E-03	7.89E-07	3.94E-06
1800	11.61	1.16	3.89E-06	3.89032E-06	3.21E-10	1.07E-09	5.68E-10	4.62E-10	2.13E-10	2.04E-10	4.23E-11	1.13E-09	3.60E-10	0.00E+00	0.00E+00	0.00E+00	1.53E-09	1.53E-03	7.78E-07	3.89E-06
1825	11.46	1.15	3.84E-06	3.84006E-06	3.16E-10	1.05E-09	5.61E-10	4.56E-10	2.10E-10	2.02E-10	4.18E-11	1.11E-09	3.56E-10	0.00E+00	0.00E+00	0.00E+00	1.51E-09	1.51E-03	7.68E-07	3.84E-06
1850	11.31	1.13	3.79E-06	3.7898E-06	3.12E-10	1.04E-09	5.54E-10	4.50E-10	2.08E-10	1.99E-10	4.12E-11	1.10E-09	3.51E-10	0.00E+00	0.00E+00	0.00E+00	1.49E-09	1.49E-03	7.58E-07	3.79E-06
1875	11.16	1.12	3.74E-06	3.73953E-06	3.08E-10	1.02E-09	5.46E-10	4.44E-10	2.05E-10	1.96E-10	4.07E-11	1.08E-09	3.46E-10	0.00E+00	0.00E+00	0.00E+00	1.47E-09	1.47E-03	7.48E-07	3.74E-06
1900	11.02	1.10	3.69E-06	3.69262E-06	3.04E-10	1.01E-09	5.40E-10	4.38E-10	2.02E-10	1.94E-10	4.02E-11	1.07E-09	3.42E-10	0.00E+00	0.00E+00	0.00E+00	1.45E-09	1.45E-03	7.39E-07	3.69E-06
1925	10.88	1.09	3.65E-06	3.64571E-06	3.00E-10	9.99E-10	5.33E-10	4.33E-10	2.00E-10	1.91E-10	3.97E-11	1.05E-09	3.38E-10	0.00E+00	0.00E+00	0.00E+00	1.43E-09	1.43E-03	7.29E-07	3.65E-06
1950	10.74	1.07	3.60E-06	3.5988E-06	2.97E-10	9.86E-10	5.26E-10	4.27E-10	1.97E-10	1.89E-10	3.92E-11	1.04E-09	3.33E-10	0.00E+00	0.00E+00	0.00E+00	1.41E-09	1.41E-03	7.20E-07	3.60E-06
1975	10.61	1.06	3.56E-06	3.55524E-06	2.93E-10	9.74E-10	5.19E-10	4.22E-10	1.95E-10	1.87E-10	3.87E-11	1.03E-09	3.29E-10	0.00E+00	0.00E+00	0.00E+00	1.40E-09	1.40E-03	7.11E-07	3.56E-06
2000	10.48	1.05	3.51E-06	3.51168E-06	2.89E-10	9.62E-10	5.13E-10	4.17E-10	1.92E-10	1.84E-10	3.82E-11	1.02E-09	3.25E-10	0.00E+00	0.00E+00	0.00E+00	1.38E-09	1.38E-03	7.02E-07	3.51E-06
2025	10.35	1.04	3.47E-06	3.46812E-06	2.86E-10	9.50E-10	5.07E-10	4.12E-10	1.90E-10	1.82E-10	3.77E-11	1.00E-09	3.21E-10	0.00E+00	0.00E+00	0.00E+00	1.36E-09	1.36E-03	6.94E-07	3.47E-06
2050	10.22	1.02	3.42E-06	3.42456E-06	2.82E-10	9.38E-10	5.00E-10	4.07E-10	1.88E-10	1.80E-10	3.73E-11	9.91E-10	3.17E-10	0.00E+00	0.00E+00	0.00E+00	1.35E-09	1.35E-03	6.85E-07	3.42E-06
2075	10.1	1.01	3.38E-06	3.38435E-06	2.79E-10	9.27E-10	4.95E-10	4.02E-10	1.85E-10	1.78E-10	3.68E-11	9.79E-10	3.13E-10	0.00E+00	0.00E+00	0.00E+00	1.33E-09	1.33E-03	6.77E-07	3.38E-06
2100	9.975	1.00	3.34E-06	3.34246E-06	2.75E-10	9.16E-10	4.88E-10	3.97E-10	1.83E-10	1.76E-10	3.64E-11	9.67E-10	3.09E-10	0.00E+00	0.00E+00	0.00E+00	1.31E-09	1.31E-03	6.68E-07	3.34E-06
2125	9.856	0.99	3.30E-06	3.30259E-06	2.72E-10	9.05E-10	4.83E-10	3.92E-10	1.81E-10	1.73E-10	3.59E-11	9.55E-10	3.06E-10	0.00E+00	0.00E+00	0.00E+00	1.30E-09	1.30E-03	6.61E-07	3.30E-06
2150	9.739	0.97	3.26E-06	3.26338E-06	2.69E-10	8.94E-10	4.77E-10	3.87E-10	1.79E-10	1.71E-10	3.55E-11	9.44E-10	3.02E-10	0.00E+00	0.00E+00	0.00E+00	1.28E-09	1.28E-03	6.53E-07	3.26E-06
2175	9.624	0.96	3.22E-06	3.22485E-06	2.66E-10	8.84E-10	4.71E-10	3.83E-10	1.77E-10	1.69E-10	3.51E-11	9.33E-10	2.99E-10	0.00E+00	0.00E+00	0.00E+00	1.27E-09	1.27E-03	6.45E-07	3.22E-06
2200	9.511	0.95	3.19E-06	3.18698E-06	2.63E-10	8.73E-10	4.66E-10	3.78E-10	1.75E-10	1.67E-10	3.47E-11	9.22E-10	2.95E-10	0.00E+00	0.00E+00	0.00E+00	1.25E-09	1.25E-03	6.37E-07	3.19E-06
2225	9.401	0.94	3.15E-06	3.15012E-06	2.60E-10	8.63E-10	4.60E-10	3.74E-10	1.73E-10	1.65E-10	3.43E-11	9.11E-10	2.92E-10	0.00E+00	0.00E+00	0.00E+00	1.24E-09	1.24E-03	6.30E-07	3.15E-06
2250	9.292	0.93	3.11E-06	3.1136E-06	2.57E-10	8.53E-10	4.55E-10	3.70E-10	1.71E-10	1.63E-10	3.39E-11	9.01E-10	2.88E-10	0.00E+00	0.00E+00	0.00E+00	1.22E-09	1.22E-03	6.23E-07	3.11E-06
2275	9.186	0.92	3.08E-06	3.07808E-06	2.54E-10	8.43E-10	4.50E-10	3.65E-10	1.69E-10	1.62E-10	3.35E-11	8.91E-10	2.85E-10	0.00E+00	0.00E+00	0.00E+00	1.21E-09	1.21E-03	6.16E-07	3.08E-06
2300	9.081	0.91	3.04E-06	3.0429E-06	2.51E-10	8.34E-10	4.45E-10	3.61E-10	1.67E-10	1.60E-10	3.31E-11	8.80E-10	2.82E-10	0.00E+00	0.00E+00	0.00E+00	1.20E-09	1.20E-03	6.09E-07	3.04E-06
2325	8.979	0.90	3.01E-06	3.00872E-06	2.48E-10	8.24E-10	4.40E-10	3.57E-10	1.65E-10	1.58E-10	3.27E-11	8.70E-10	2.79E-10	0.00E+00	0.00E+00	0.00E+00	1.18E-09	1.18E-03	6.02E-07	3.01E-06
2350	8.878	0.89	2.97E-06	2.97487E-06	2.45E-10	8.15E-10	4.35E-10	3.53E-10	1.63E-10	1.56E-10	3.24E-11	8.61E-10	2.75E-10	0.00E+00	0.00E+00	0.00E+00	1.17E-09	1.17E-03	5.95E-07	2.97E-06
2375	8.779	0.88	2.94E-06	2.9417E-06	2.42E-10	8.06E-10	4.30E-10	3.49E-10	1.61E-10	1.54E-10	3.20E-11	8.51E-10	2.72E-10	0.00E+00	0.00E+00	0.00E+00	1.16E-09	1.16E-03	5.88E-07	2.94E-06
2400	8.682	0.87	2.91E-06	2.9092E-06	2.40E-10	7.97E-10	4.25E-10	3.45E-10	1.59E-10	1.53E-10	3.17E-11	8.42E-10	2.69E-10	0.00E+00	0.00E+00	0.00E+00	1.14E-09	1.14E-03	5.82E-07	2.91E-06
2425	8.587	0.86	2.88E-06	2.87736E-06	2.37E-10	7.88E-10	4.20E-10	3.42E-10	1.58E-10	1.51E-10	3.13E-11	8.32E-10	2.66E-10	0.00E+00	0.00E+00	0.00E+00	1.13E-09	1.13E-03	5.75E-07	2.88E-06
2450	8.493	0.85	2.85E-06	2.84587E-06	2.35E-10	7.80E-10	4.16E-10	3.38E-10	1.56E-10	1.49E-10	3.10E-11	8.23E-10	2.63E-10	0.00E+00	0.00E+00	0.00E+00	1.12E-09	1.12E-03	5.69E-07	2.85E-06
2475	8.401	0.84	2.82E-06	2.81504E-06	2.32E-10	7.71E-10	4.11E-10	3.34E-10	1.54E-10	1.48E-10	3.06E-11	8.14E-10	2.61E-10	0.00E+00	0.00E+00	0.00E+00	1.11E-09	1.11E-03	5.63E-07	2.82E-06
2500	8.311	0.83	2.78E-06	2.78488E-06	2.30E-10	7.63E-10	4.07E-10	3.31E-10	1.53E-10	1.46E-10	3.03E-11	8.06E-10	2.58E-10	0.00E+00	0.00E+00	0.00E+00	1.09E-09	1.09E-03	5.57E-07	2.78E-06
2525	8.222	0.82	2.76E-06	2.75506E-06	2.27E-10	7.55E-10	4.03E-10	3.27E-10	1.51E-10	1.45E-10	3.00E-11	7.97E-10	2.55E-10	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.08E-03	5.51E-07	2.76E-06
2550	8.135	0.81	2.73E-06	2.72591E-06	2.25E-10	7.47E-10	3.98E-10	3.24E-10	1.49E-10	1.43E-10	2.97E-11	7.89E-10	2.52E-10	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.07E-03	5.45E-07	2.73E-06
2575	8.05	0.81	2.70E-06	2.69742E-06	2.22E-10	7.39E-10	3.94E-10	3.20E-10	1.48E-10	1.42E-10	2.93E-11	7.80E-10	2.50E-10	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.06E-03	5.39E-07	2.70E-06
2600	7.966	0.80	2.67E-06	2.66928E-06	2.20E-10	7.31E-10	3.90E-10	3.17E-10	1.46E-10	1.40E-10	2.90E-11	7.72E-10	2.47E-10	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.05E-03	5.34E-07	2.67E-06
2625	7.883	0.79	2.64E-06	2.64146E-06	2.18E-10	7.24E-10	3.86E-10	3.14E-10	1.45E-10	1.39E-10	2.87E-11	7.64E-10	2.45E-10	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.04E-03	5.28E-07	2.64E-06
2650	7.802	0.78	2.61E-06	2.61432E-06	2.15E-10	7.16E-10	3.82E-10	3.10E-10	1.43E-10	1.37E-10	2.84E-11	7.56E-10	2.42E-10	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.03E-03	5.23E-07	2.61E-06
2675	7.722	0.77	2.59E-06	2.58752E-06	2.13E-10	7.09E-10	3.78E-10	3.07E-10	1.42E-10	1.36E-10	2.82E-11	7.49E-10	2.40E-10	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.02E-03	5.18E-07	2.59E-06
2700	7.643	0.76	2.56E-06	2.56104E-06	2.11E-10	7.02E-10	3.74E-10	3.04E-10	1.40E-10	1.34E-10	2.79E-11	7.41E-10	2.37E-10	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.01E-03	5.12E-07	2.56E-06
2725	7.566	0.76	2.54E-06	2.53524E-06	2.09E-10	6.95E-10	3.70E-10	3.01E-10	1.39E-10	1.33E-10	2.76E-11	7.33E-10	2.35E-10	0.00E+00	0.00E+00	0.00E+00	9.96E-10	9.96E-04	5.07E-07	2.54E-06
2750	7.491	0.75	2.51E-06	2.51011E-06	2.07E-10	6.88E-10	3.67E-10	2.98E-10	1.38E-10	1.32E-10	2.73E-11	7.26E-10	2.32E-10	0.00E+00	0.00E+00	0.00E+00	9.86E-10	9.86E-04	5.02E-07	2.51E-06
2775	7.416	0.74	2.48E-06	2.48498E-06	2.05E-10	6.81E-10	3.63E-10	2.95E-10	1.36E-10	1.30E-10	2.70E-11	7.19E-10	2.30E-10	0.00E+00	0.00E+00	0.00E+00	9.76E-10	9.76E-04	4.97E-07	2.48E-06
2800	7.343	0.73	2.46E-06	2.46052E-06	2.03E-10	6.74E-10	3.60E-10	2.92E-10	1.35E-10	1.29E-10	2.68E-11	7.12E-10	2.28E-10	0.00E+00	0.00E+00	0.00E+00	9.66E-10	9.66E-04	4.92E-07	2.46E-06
2825	7.271	0.73	2.44E-06	2.43639E-06	2.01E-10	6.68E-10	3.56E-10	2.89E-10	1.34E-10	1.28E-10	2.65E-11	7.05E-10	2.26E-10	0.00E+00	0.00E+00	0.00E+00	9.57E-10	9.57E-04	4.87E-07	2.44E-06
2850	7.2	0.72	2.41E-06	2.4126E-06	1.99E-10	6.61E-10	3.53E-10	2.86E-10	1.32E-10	1.27E-10	2.62E-11	6.98E-10	2.23E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-10	9.48E-04	4.83E-07	2.41E-06
2875	7.13	0.71	2.39E-06	2.38915E-06	1.97E-10	6.55E-10	3.49E-10	2.84E-10	1.31E-10	1.25E-10	2.60E-11	6.91E-10	2.21E-10	0.00E+00	0.00E+00	0.00E+00	9.38E-10	9.38E-04	4.78E-07	2.39E-06
2900	7.061	0.71	2.37E-06	2.36603E-06	1.95E-10	6.48E-10	3.46E-10	2.81E-10	1.30E-10	1.24E-10	2.57E-11	6.85E-10	2.19E-10	0.00E+00	0.00E+00	0.00E+00	9.29E-10	9.29E-04	4.73E-07	2.37E-06
2925	6.994	0.70	2.34E-06	2.34358E-06	1.93E-10	6.42E-10	3.42E-10	2.78E-10	1.28E-10	1.23E-10	2.55E-11	6.78E-10	2.17E-10	0.00E+00	0.00E+00	0.00E+00	9.20E-10	9.20E-04	4.69E-07	2.34E-06
2950	6.927	0.69	2.32E-06	2.32112E-06	1.91E-10	6.36E-10	3.39E-10	2.76E-10	1.27E-10	1.22E-10	2.53E-11	6.72E-10	2.15E-10	0.00E+00	0.00E+00	0.00E+00	9.12E-10	9.12E-04	4.64E-07	2.32E-06
2975	6.862	0.69	2.30E-06	2.29934E-06	1.90E-10	6.30E-10	3.36E-10	2.73E-10	1.26E-10	1.21E-10	2.50E-11	6.65E-10	2.13E-10	0.00E+00	0.00E+00	0.00E+00	9.03E-10	9.03E-04	4.60E-07	2.30E-06
3000	6.797	0.68	2.28E-06	2.27756E-06	1.88E-10	6.24E-10	3.33E-10	2.70E-10	1.25E-10	1.20E-10	2.48E-11	6.59E-10	2.11E-10	0.00E+00	0.00E+00	0.00E+00	8.95E-10	8.95E-04	4.56E-07	2.28E-06
3025	6.734	0.67	2.26E-06	2.25645E-06	1.86E-10	6.18E-10	3.30E-10	2.68E-10	1.24E-10	1.18E-10	2.45E-11	6.53E-10	2.09E-10	0.00E+00	0.00E+00	0.00E+00	8.86E-10	8.86E-04	4.51E-07	2.26E-06
3050	6.672	0.67	2.24E-06	2.23568E-06	1.84E-10	6.13E-10	3.27E-10	2.65E-10	1.23E-10	1.17E-10	2.43E-11	6.47E-10	2.07E-10	0.00E+00	0.00E+00	0.00E+00	8.78E-10	8.78E-04	4.47E-07	2.24E-06
3075	6.61	0.66	2.21E-06	2.2149E-06	1.83E-10	6.07E-10	3.24E-10	2.63E-10	1.21E-10	1.16E-10	2.41E-11	6.41E-10	2.05E-10	0.00E+00	0.00E+00	0.00E+00	8.70E-10	8.70E-04	4.43E-07	2.21E-06
3100	6.55	0.66	2.19E-06	2.1948E-06	1.81E-10	6.01E-10	3.21E-10	2.61E-10	1.20E-10	1.15E-10	2.39E-11	6.35E-10	2.03E-10	0.00E+00	0.00E+00	0.00E+00	8.62E-10	8.62E-04	4.39E-07	2.19E-06
3125	6.49	0.65	2.17E-06	2.17469E-06	1.79E-10	5.96E-10	3.18E-10	2.58E-10	1.19E-10	1.14E-10	2.37E-11	6.29E-10	2.01E-10	0.00E+00	0.00E+00	0.00E+00	8.54E-10	8.54E-04	4.35E-07	2.17E-06
3150	6.431	0.64	2.15E-06	2.15492E-06	1.78E-10	5.90E-10	3.15E-10	2.56E-10	1.18E-10	1.13E-10	2.34E-11	6.23E-10	2.00E-10	0.00E+00	0.00E+00	0.00E+00	8.46E-10	8.46E-04	4.31E-07	2.15E-06
3175	6.374	0.64	2.14E-06	2.13582E-06	1.76E-10	5.85E-10	3.12E-10	2.54E-10	1.17E-10	1.12E-10	2.32E-11	6.18E-10	1.98E-10	0.00E+00	0.00E+00	0.00E+00	8.39E-10	8.39E-04	4.27E-07	2.14E-06
3200	6.317	0.63	2.12E-06	2.11672E-06	1.74E-10	5.80E-10	3.09E-10	2.51E-10	1.16E-10	1.11E-10	2.30E-11	6.12E-10	1.96E-10	0.00E+00	0.00E+00	0.00E+00	8.31E-10	8.31E-04	4.23E-07	2.12E-06
3225	6.261	0.63	2.10E-06	2.09796E-06	1.73E-10	5.75E-10	3.07E-10	2.49E-10	1.15E-10	1.10E-10	2.28E-11	6.07E-10	1.94E-10	0.00E+00	0.00E+00	0.00E+00	8.24E-10	8.24E-04	4.20E-07	2.10E-06
3250	6.205	0.62	2.08E-06	2.07919E-06	1.71E-10	5.70E-10	3.04E-10	2.47E-10	1.14E-10	1.09E-10	2.26E-11	6.02E-10	1.92E-10	0.00E+00	0.00E+00	0.00E+00	8.17E-10	8.17E-04	4.16E-07	2.08E-06
3275	6.151	0.62	2.06E-06	2.0611E-06	1.70E-10	5.65E-10	3.01E-10	2.45E-10	1.13E-10	1.08E-10	2.24E-11	5.96E-10	1.91E-10	0.00E+00	0.00E+00	0.00E+00	8.10E-10	8.10E-04	4.12E-07	2.06E-06
3300	6.097	0.61	2.04E-06	2.04301E-06	1.68E-10	5.60E-10	2.99E-10	2.43E-10	1.12E-10	1.07E-10	2.22E-11	5.91E-10	1.89E-10	0.00E+00	0.00E+00	0.00E+00	8.02E-10	8.02E-04	4.09E-07	2.04E-06
3325	6.045	0.60	2.03E-06	2.02558E-06	1.67E-10	5.55E-10	2.96E-10	2.40E-10	1.11E-10	1.06E-10	2.20E-11	5.86E-10	1.88E-10	0.00E+00	0.00E+00	0.00E+00	7.96E-10	7.96E-04	4.05E-07	2.03E-06

Gen Sets

			0.000003	1.000																
	Unitized		Scaled																	
	AERSCREEN output				DAYCARE (6-yr)															
DIST	1-HR	annual (converted)				Dose Inhallation						Risk								
(m)	(ug/m3)	annual	annual (scaled)	PM2.5	3rd trimester	0<2	2<9	2<16	16<30	16-70	3rd trimester	0<2	2<9	2<16	16<30	16-70	Summed Risk	Per Million	Chronic Hazard	PM2.5
3350	5.992	0.60	2.01E-06	2.00782E-06	1.65E-10	5.50E-10	2.93E-10	2.38E-10	1.10E-10	1.05E-10	2.18E-11	5.81E-10	1.86E-10	0.00E+00	0.00E+00	0.00E+00	7.89E-10	7.89E-04	4.02E-07	2.01E-06
3375	5.941	0.59	1.99E-06	1.99073E-06	1.64E-10	5.45E-10	2.91E-10	2.36E-10	1.09E-10	1.05E-10	2.17E-11	5.76E-10	1.84E-10	0.00E+00	0.00E+00	0.00E+00	7.82E-10	7.82E-04	3.98E-07	1.99E-06
3400	5.891	0.59	1.97E-06	1.97398E-06	1.63E-10	5.41E-10	2.88E-10	2.34E-10	1.08E-10	1.04E-10	2.15E-11	5.71E-10	1.83E-10	0.00E+00	0.00E+00	0.00E+00	7.75E-10	7.75E-04	3.95E-07	1.97E-06
3425	5.841	0.58	1.96E-06	1.95722E-06	1.61E-10	5.36E-10	2.86E-10	2.32E-10	1.07E-10	1.03E-10	2.13E-11	5.66E-10	1.81E-10	0.00E+00	0.00E+00	0.00E+00	7.69E-10	7.69E-04	3.91E-07	1.96E-06
3450	5.792	0.58	1.94E-06	1.9408E-06	1.60E-10	5.32E-10	2.84E-10	2.30E-10	1.06E-10	1.02E-10	2.11E-11	5.62E-10	1.80E-10	0.00E+00	0.00E+00	0.00E+00	7.62E-10	7.62E-04	3.88E-07	1.94E-06
3475	5.743	0.57	1.92E-06	1.92439E-06	1.59E-10	5.27E-10	2.81E-10	2.28E-10	1.05E-10	1.01E-10	2.09E-11	5.57E-10	1.78E-10	0.00E+00	0.00E+00	0.00E+00	7.56E-10	7.56E-04	3.85E-07	1.92E-06
3500	5.695	0.57	1.91E-06	1.9083E-06	1.57E-10	5.23E-10	2.79E-10	2.27E-10	1.05E-10	1.00E-10	2.08E-11	5.52E-10	1.77E-10	0.00E+00	0.00E+00	0.00E+00	7.50E-10	7.50E-04	3.82E-07	1.91E-06
3525	5.648	0.56	1.89E-06	1.89255E-06	1.56E-10	5.19E-10	2.77E-10	2.25E-10	1.04E-10	9.94E-11	2.06E-11	5.48E-10	1.75E-10	0.00E+00	0.00E+00	0.00E+00	7.43E-10	7.43E-04	3.79E-07	1.89E-06
3550	5.602	0.56	1.88E-06	1.87714E-06	1.55E-10	5.14E-10	2.74E-10	2.23E-10	1.03E-10	9.86E-11	2.04E-11	5.43E-10	1.74E-10	0.00E+00	0.00E+00	0.00E+00	7.37E-10	7.37E-04	3.75E-07	1.88E-06
3575	5.556	0.56	1.86E-06	1.86173E-06	1.53E-10	5.10E-10	2.72E-10	2.21E-10	1.02E-10	9.78E-11	2.03E-11	5.39E-10	1.72E-10	0.00E+00	0.00E+00	0.00E+00	7.31E-10	7.31E-04	3.72E-07	1.86E-06
3600	5.511	0.55	1.85E-06	1.84665E-06	1.52E-10	5.06E-10	2.70E-10	2.19E-10	1.01E-10	9.70E-11	2.01E-11	5.34E-10	1.71E-10	0.00E+00	0.00E+00	0.00E+00	7.25E-10	7.25E-04	3.69E-07	1.85E-06
3625	5.466	0.55	1.83E-06	1.83157E-06	1.51E-10	5.02E-10	2.68E-10	2.17E-10	1.00E-10	9.62E-11	1.99E-11	5.30E-10	1.70E-10	0.00E+00	0.00E+00	0.00E+00	7.19E-10	7.19E-04	3.66E-07	1.83E-06
3650	5.422	0.54	1.82E-06	1.81682E-06	1.50E-10	4.98E-10	2.65E-10	2.16E-10	9.96E-11	9.54E-11	1.98E-11	5.26E-10	1.68E-10	0.00E+00	0.00E+00	0.00E+00	7.14E-10	7.14E-04	3.63E-07	1.82E-06
3675	5.379	0.54	1.80E-06	1.80242E-06	1.49E-10	4.94E-10	2.63E-10	2.14E-10	9.88E-11	9.46E-11	1.96E-11	5.21E-10	1.67E-10	0.00E+00	0.00E+00	0.00E+00	7.08E-10	7.08E-04	3.60E-07	1.80E-06
3700	5.336	0.53	1.79E-06	1.78801E-06	1.47E-10	4.90E-10	2.61E-10	2.12E-10	9.80E-11	9.39E-11	1.95E-11	5.17E-10	1.66E-10	0.00E+00	0.00E+00	0.00E+00	7.02E-10	7.02E-04	3.58E-07	1.79E-06
3725	5.294	0.53	1.77E-06	1.77393E-06	1.46E-10	4.86E-10	2.59E-10	2.11E-10	9.72E-11	9.32E-11	1.93E-11	5.13E-10	1.64E-10	0.00E+00	0.00E+00	0.00E+00	6.97E-10	6.97E-04	3.55E-07	1.77E-06
3750	5.252	0.53	1.76E-06	1.75986E-06	1.45E-10	4.82E-10	2.57E-10	2.09E-10	9.64E-11	9.24E-11	1.91E-11	5.09E-10	1.63E-10	0.00E+00	0.00E+00	0.00E+00	6.91E-10	6.91E-04	3.52E-07	1.76E-06
3775	5.211	0.52	1.75E-06	1.74612E-06	1.44E-10	4.78E-10	2.55E-10	2.07E-10	9.57E-11	9.17E-11	1.90E-11	5.05E-10	1.62E-10	0.00E+00	0.00E+00	0.00E+00	6.86E-10	6.86E-04	3.49E-07	1.75E-06
3800	5.171	0.52	1.73E-06	1.73272E-06	1.43E-10	4.75E-10	2.53E-10	2.06E-10	9.49E-11	9.10E-11	1.89E-11	5.01E-10	1.60E-10	0.00E+00	0.00E+00	0.00E+00	6.81E-10	6.81E-04	3.47E-07	1.73E-06
3825	5.131	0.51	1.72E-06	1.71931E-06	1.42E-10	4.71E-10	2.51E-10	2.04E-10	9.42E-11	9.03E-11	1.87E-11	4.97E-10	1.59E-10	0.00E+00	0.00E+00	0.00E+00	6.75E-10	6.75E-04	3.44E-07	1.72E-06
3850	5.091	0.51	1.71E-06	1.70591E-06	1.41E-10	4.67E-10	2.49E-10	2.03E-10	9.35E-11	8.96E-11	1.86E-11	4.94E-10	1.58E-10	0.00E+00	0.00E+00	0.00E+00	6.70E-10	6.70E-04	3.41E-07	1.71E-06
3875	5.052	0.51	1.69E-06	1.69284E-06	1.40E-10	4.64E-10	2.47E-10	2.01E-10	9.28E-11	8.89E-11	1.84E-11	4.90E-10	1.57E-10	0.00E+00	0.00E+00	0.00E+00	6.65E-10	6.65E-04	3.39E-07	1.69E-06
3900	5.014	0.50	1.68E-06	1.68011E-06	1.38E-10	4.60E-10	2.45E-10	1.99E-10	9.21E-11	8.82E-11	1.83E-11	4.86E-10	1.56E-10	0.00E+00	0.00E+00	0.00E+00	6.60E-10	6.60E-04	3.36E-07	1.68E-06
3925	4.976	0.50	1.67E-06	1.66738E-06	1.37E-10	4.57E-10	2.44E-10	1.98E-10	9.14E-11	8.76E-11	1.81E-11	4.82E-10	1.54E-10	0.00E+00	0.00E+00	0.00E+00	6.55E-10	6.55E-04	3.33E-07	1.67E-06
3950	4.938	0.49	1.65E-06	1.65464E-06	1.36E-10	4.53E-10	2.42E-10	1.96E-10	9.07E-11	8.69E-11	1.80E-11	4.79E-10	1.53E-10	0.00E+00	0.00E+00	0.00E+00	6.50E-10	6.50E-04	3.31E-07	1.65E-06
3975	4.901	0.49	1.64E-06	1.64225E-06	1.35E-10	4.50E-10	2.40E-10	1.95E-10	9.00E-11	8.62E-11	1.79E-11	4.75E-10	1.52E-10	0.00E+00	0.00E+00	0.00E+00	6.45E-10	6.45E-04	3.28E-07	1.64E-06
4000	4.865	0.49	1.63E-06	1.63018E-06	1.34E-10	4.47E-10	2.38E-10	1.94E-10	8.93E-11	8.56E-11	1.77E-11	4.72E-10	1.51E-10	0.00E+00	0.00E+00	0.00E+00	6.40E-10	6.40E-04	3.26E-07	1.63E-06
4025	4.829	0.48	1.62E-06	1.61812E-06	1.33E-10	4.43E-10	2.36E-10	1.92E-10	8.87E-11	8.50E-11	1.76E-11	4.68E-10	1.50E-10	0.00E+00	0.00E+00	0.00E+00	6.36E-10	6.36E-04	3.24E-07	1.62E-06
4050	4.793	0.48	1.61E-06	1.60606E-06	1.32E-10	4.40E-10	2.35E-10	1.91E-10	8.80E-11	8.43E-11	1.75E-11	4.65E-10	1.49E-10	0.00E+00	0.00E+00	0.00E+00	6.31E-10	6.31E-04	3.21E-07	1.61E-06
4075	4.758	0.48	1.59E-06	1.59433E-06	1.31E-10	4.37E-10	2.33E-10	1.89E-10	8.74E-11	8.37E-11	1.73E-11	4.61E-10	1.48E-10	0.00E+00	0.00E+00	0.00E+00	6.26E-10	6.26E-04	3.19E-07	1.59E-06
4100	4.723	0.47	1.58E-06	1.5826E-06	1.30E-10	4.34E-10	2.31E-10	1.88E-10	8.67E-11	8.31E-11	1.72E-11	4.58E-10	1.47E-10	0.00E+00	0.00E+00	0.00E+00	6.22E-10	6.22E-04	3.17E-07	1.58E-06
4125	4.689	0.47	1.57E-06	1.57121E-06	1.29E-10	4.30E-10	2.30E-10	1.87E-10	8.61E-11	8.25E-11	1.71E-11	4.55E-10	1.45E-10	0.00E+00	0.00E+00	0.00E+00	6.17E-10	6.17E-04	3.14E-07	1.57E-06
4150	4.655	0.47	1.56E-06	1.55981E-06	1.29E-10	4.27E-10	2.28E-10	1.85E-10	8.55E-11	8.19E-11	1.70E-11	4.51E-10	1.44E-10	0.00E+00	0.00E+00	0.00E+00	6.13E-10	6.13E-04	3.12E-07	1.56E-06
4175	4.621	0.46	1.55E-06	1.54842E-06	1.28E-10	4.24E-10	2.26E-10	1.84E-10	8.48E-11	8.13E-11	1.68E-11	4.48E-10	1.43E-10	0.00E+00	0.00E+00	0.00E+00	6.08E-10	6.08E-04	3.10E-07	1.55E-06
4200	4.588	0.46	1.54E-06	1.53736E-06	1.27E-10	4.21E-10	2.25E-10	1.83E-10	8.42E-11	8.07E-11	1.67E-11	4.45E-10	1.42E-10	0.00E+00	0.00E+00	0.00E+00	6.04E-10	6.04E-04	3.07E-07	1.54E-06
4225	4.556	0.46	1.53E-06	1.52664E-06	1.26E-10	4.18E-10	2.23E-10	1.81E-10	8.37E-11	8.02E-11	1.66E-11	4.42E-10	1.41E-10	0.00E+00	0.00E+00	0.00E+00	6.00E-10	6.00E-04	3.05E-07	1.53E-06
4250	4.523	0.45	1.52E-06	1.51558E-06	1.25E-10	4.15E-10	2.21E-10	1.80E-10	8.30E-11	7.96E-11	1.65E-11	4.38E-10	1.40E-10	0.00E+00	0.00E+00	0.00E+00	5.95E-10	5.95E-04	3.03E-07	1.52E-06
4275	4.491	0.45	1.50E-06	1.50486E-06	1.24E-10	4.12E-10	2.20E-10	1.79E-10	8.25E-11	7.90E-11	1.64E-11	4.35E-10	1.39E-10	0.00E+00	0.00E+00	0.00E+00	5.91E-10	5.91E-04	3.01E-07	1.50E-06
4300	4.46	0.45	1.49E-06	1.49447E-06	1.23E-10	4.09E-10	2.18E-10	1.77E-10	8.19E-11	7.85E-11	1.63E-11	4.32E-10	1.38E-10	0.00E+00	0.00E+00	0.00E+00	5.87E-10	5.87E-04	2.99E-07	1.49E-06
4325	4.429	0.44	1.48E-06	1.48409E-06	1.22E-10	4.07E-10	2.17E-10	1.76E-10	8.13E-11	7.79E-11	1.61E-11	4.29E-10	1.37E-10	0.00E+00	0.00E+00	0.00E+00	5.83E-10	5.83E-04	2.97E-07	1.48E-06
4350	4.398	0.44	1.47E-06	1.4737E-06	1.21E-10	4.04E-10	2.15E-10	1.75E-10	8.08E-11	7.74E-11	1.60E-11	4.26E-10	1.36E-10	0.00E+00	0.00E+00	0.00E+00	5.79E-10	5.79E-04	2.95E-07	1.47E-06
4375	4.368	0.44	1.46E-06	1.46365E-06	1.21E-10	4.01E-10	2.14E-10	1.74E-10	8.02E-11	7.69E-11	1.59E-11	4.23E-10	1.36E-10	0.00E+00	0.00E+00	0.00E+00	5.75E-10	5.75E-04	2.93E-07	1.46E-06
4400	4.338	0.43	1.45E-06	1.45359E-06	1.20E-10	3.98E-10	2.12E-10	1.73E-10	7.96E-11	7.63E-11	1.58E-11	4.21E-10	1.35E-10	0.00E+00	0.00E+00	0.00E+00	5.71E-10	5.71E-04	2.91E-07	1.45E-06
4425	4.308	0.43	1.44E-06	1.44354E-06	1.19E-10	3.95E-10	2.11E-10	1.71E-10	7.91E-11	7.58E-11	1.57E-11	4.18E-10	1.34E-10	0.00E+00	0.00E+00	0.00E+00	5.67E-10	5.67E-04	2.89E-07	1.44E-06
4450	4.278	0.43	1.43E-06	1.43349E-06	1.18E-10	3.93E-10	2.09E-10	1.70E-10	7.85E-11	7.53E-11	1.56E-11	4.15E-10	1.33E-10	0.00E+00	0.00E+00	0.00E+00	5.63E-10	5.63E-04	2.87E-07	1.43E-06
4475	4.249	0.42	1.42E-06	1.42377E-06	1.17E-10	3.90E-10	2.08E-10	1.69E-10	7.80E-11	7.48E-11	1.55E-11	4.12E-10	1.32E-10	0.00E+00	0.00E+00	0.00E+00	5.59E-10	5.59E-04	2.85E-07	1.42E-06
4500	4.221	0.42	1.41E-06	1.41439E-06	1.17E-10	3.88E-10	2.07E-10	1.68E-10	7.75E-11	7.43E-11	1.54E-11	4.09E-10	1.31E-10	0.00E+00	0.00E+00	0.00E+00	5.56E-10	5.56E-04	2.83E-07	1.41E-06
4525	4.192	0.42	1.40E-06	1.40467E-06	1.16E-10	3.85E-10	2.05E-10	1.67E-10	7.70E-11	7.38E-11	1.53E-11	4.06E-10	1.30E-10	0.00E+00	0.00E+00	0.00E+00	5.52E-10	5.52E-04	2.81E-07	1.40E-06
4550	4.164	0.42	1.40E-06	1.39529E-06	1.15E-10	3.82E-10	2.04E-10	1.66E-10	7.65E-11	7.33E-11	1.52E-11	4.04E-10	1.29E-10	0.00E+00	0.00E+00	0.00E+00	5.48E-10	5.48E-04	2.79E-07	1.40E-06
4575	4.137	0.41	1.39E-06	1.38624E-06	1.14E-10	3.80E-10	2.03E-10	1.65E-10	7.60E-11	7.28E-11	1.51E-11	4.01E-10	1.28E-10	0.00E+00	0.00E+00	0.00E+00	5.44E-10	5.44E-04	2.77E-07	1.39E-06
4600	4.109	0.41	1.38E-06	1.37686E-06	1.13E-10	3.77E-10	2.01E-10	1.63E-10	7.54E-11	7.23E-11	1.50E-11	3.98E-10	1.27E-10	0.00E+00	0.00E+00	0.00E+00	5.41E-10	5.41E-04	2.75E-07	1.38E-06
4625	4.082	0.41	1.37E-06	1.36781E-06	1.13E-10	3.75E-10	2.00E-10	1.62E-10	7.49E-11	7.18E-11	1.49E-11	3.96E-10	1.27E-10	0.00E+00	0.00E+00	0.00E+00	5.37E-10	5.37E-04	2.74E-07	1.37E-06
4650	4.055	0.41	1.36E-06	1.35876E-06	1.12E-10	3.72E-10	1.99E-10	1.61E-10	7.45E-11	7.14E-11	1.48E-11	3.93E-10	1.26E-10	0.00E+00	0.00E+00	0.00E+00	5.34E-10	5.34E-04	2.72E-07	1.36E-06
4675	4.029	0.40	1.35E-06	1.35005E-06	1.11E-10	3.70E-10	1.97E-10	1.60E-10	7.40E-11	7.09E-11	1.47E-11	3.91E-10	1.25E-10	0.00E+00	0.00E+00	0.00E+00	5.30E-10	5.30E-04	2.70E-07	1.35E-06
4700	4.003	0.40	1.34E-06	1.34134E-06	1.11E-10	3.67E-10	1.96E-10	1.59E-10	7.35E-11	7.04E-11	1.46E-11	3.88E-10	1.24E-10	0.00E+00	0.00E+00	0.00E+00	5.27E-10	5.27E-04	2.68E-07	1.34E-06
4725	3.977	0.40	1.33E-06	1.33263E-06	1.10E-10	3.65E-10	1.95E-10	1.58E-10	7.30E-11	7.00E-11	1.45E-11	3.86E-10	1.23E-10	0.00E+00	0.00E+00	0.00E+00	5.23E-10	5.23E-04	2.67E-07	1.33E-06
4750	3.951	0.40	1.32E-06	1.32392E-06	1.09E-10	3.63E-10	1.93E-10	1.57E-10	7.25E-11	6.95E-11	1.44E-11	3.83E-10	1.23E-10	0.00E+00	0.00E+00	0.00E+00	5.20E-10	5.20E-04	2.65E-07	1.32E-06
4775	3.926	0.39	1.32E-06	1.31554E-06	1.08E-10	3.60E-10	1.92E-10	1.56E-10	7.21E-11	6.91E-11	1.43E-11	3.81E-10	1.22E-10	0.00E+00	0.00E+00	0.00E+00	5.17E-10	5.17E-04	2.63E-07	1.32E-06
4800	3.901	0.39	1.31E-06	1.30716E-06	1.08E-10	3.58E-10	1.91E-10	1.55E-10	7.16E-11	6.86E-11	1.42E-11	3.78E-10	1.21E-10	0.00E+00	0.00E+00	0.00E+00	5.13E-10	5.13E-04	2.61E-07	1.31E-06
4825	3.876	0.39	1.30E-06	1.29878E-06	1.07E-10	3.56E-10	1.90E-10	1.54E-10	7.12E-11	6.82E-11	1.41E-11	3.76E-10	1.20E-10	0.00E+00	0.00E+00	0.00E+00	5.10E-10	5.10E-04	2.60E-07	1.30E-06
4850	3.852	0.39	1.29E-06	1.29074E-06	1.06E-10	3.54E-10	1.89E-10	1.53E-10	7.07E-11	6.78E-11	1.40E-11	3.73E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	5.07E-10	5.07E-04	2.58E-07	1.29E-06
4875	3.827	0.38	1.28E-06	1.28237E-06	1.06E-10	3.51E-10	1.87E-10	1.52E-10	7.03E-11	6.73E-11	1.40E-11	3.71E-10	1.19E-10	0.00E+00	0.00E+00	0.00E+00	5.04E-10	5.04E-04	2.56E-07	1.28E-06
4900	3.804	0.38	1.27E-06	1.27466E-06	1.05E-10	3.49E-10	1.86E-10	1.51E-10	6.98E-11	6.69E-11	1.39E-11	3.69E-10	1.18E-10	0.00E+00	0.00E+00	0.00E+00	5.01E-10	5.01E-04	2.55E-07	1.27E-06
4925	3.78	0.38	1.27E-06	1.26662E-06	1.04E-10	3.47E-10	1.85E-10	1.50E-10	6.94E-11	6.65E-11	1.38E-11	3.66E-10	1.17E-10	0.00E+00	0.00E+00	0.00E+00	4.97E-10	4.97E-04	2.53E-07	1.27E-06
4950	3.756	0.38	1.26E-06	1.25857E-06	1.04E-10	3.45E-10	1.84E-10	1.49E-10	6.90E-11	6.61E-11	1.37E-11	3.64E-10	1.17E-10	0.00E+00	0.00E+00	0.00E+00	4.94E-10	4.94E-04	2.52E-07	1.26E-06
4975	3.733	0.37	1.25E-06	1.25087E-06	1.03E-10	3.43E-10	1.83E-10	1.49E-10	6.85E-11	6.57E-11	1.36E-11	3.62E-10	1.16E-10	0.00E+00	0.00E+00	0.00E+00	4.91E-10	4.91E-04	2.50E-07	1.25E-06
5000	3.71	0.37	1.24E-06	1.24316E-06	1.02E-10	3.41E-10	1.82E-10	1.48E-10	6.81E-11	6.53E-11	1.35E-11	3.60E-10	1.15E-10	0.00E+00	0.00E+00	0.00E+00	4.88E-10	4.88E-04	2.49E-07	1.24E-06

Emission Calcs from Gen Sets

Generators per office	1	assumption
HP	84	CalEEMod default
LF	0.74	CalEEMod default
OFFROAD PM10 rate (g/hp-hr)	0.0340	2030, 51-120 HP bin, CalEEMod/OFFROAD
Hours per Year Per Gen	50	BAAQMD permit testing limit
g/year	105.672	
g/s over the year per gen set for testing	0.000003	<-- scaling factor

seconds per yea	*86400*
days per year	365

AERSCREEN inputs - Gen Set

	input	metric	
Source Type	point		
emissions rate	1	g/s	
release height	0.00	m	BAAQMD Aermod Sensitivty analysis, no date
diameter	0.15	m	BAAQMD Aermod Sensitivty analysis, no date
temp	716.15	k	BAAQMD Aermod Sensitivty analysis, no date
gas exit	66.3	m/s	BAAQMD Aermod Sensitivty analysis, no date
Urban or Rural	U		
Urban Area Population	120,245		City of Santa Clara Pop
distance to ambient	1.00	m	default
No2 chem?	1	no	default
downwash	no		
terrain	no		
max distance	5000	default	
discrete rec?	no		
flagpole?	no	set as ground	
elev	0	default	
min temp	265.3722222		
max temp	315.9277778		
wind speed	0.5	m/s	default
anem	10	m	default
surface characteristics	2	AERMET seasonal	
	7	urban	
	1	average	
debug	no		

Truck Emission Calcs at Docks

docks per retail use	1	
largest retail use (from TIA)	1,000	tsf, as a proxy only
truck trip trip gen	0.22	ADT per tsf, from SF Traffic Impact Guidelines
trucks per day at largest retail location (assuming all in same dock)	220	
idle mins per truck	5	
idle hr/day	18.3333	
EMFAC PM10 rate (g/hr)	0.1083	SF Bay, 2030, HHDT
g/day	1.9860	
g/s	2.30E-05	<-- scaling factor

AERSCREEN inputs - Loading Docks

	input	metric	
Source Type	point		
emissions rate	1	g/s	
release height	3.84	m	SJVAPCD 2015
diameter	0.1	m	SJVAPCD 2015
temp	366	k	SJVAPCD 2015
gas exit	51.71	m/s	SJVAPCD 2015
Urban or Rural	U		
Urban Area Population	120,245		City of Santa Clara Pop
distance to ambient	1.00	m	default
No2 chem?	1	no	default
downwash	no		
terrain	no		
max distance	5000	default	
discrete rec?	no		
flagpole?	no	set as ground	
elev	0	default	
min temp	265.3722222		
max temp	315.9277778		
wind speed	0.5	m/s	default
anem	10	m	default
surface characteristics	2	AERMET seasonal	
	1	urban	
	1	average	
debug	no		
ADT Source:			

Trip Gen Source

0.22 truck trip gen ADT per 1000 gsf

http://sf-planning.org/Modules/ShowDocument.aspx?documentid=6753

Coatek emissions from ARB (dload CSV from link below)

POLLUTANT ID	POLLUTANT NAM	EMISSIONS_TONS_YR
43101	TOG	6.96
ROGC	ROG	5.9545847
42101	CO	0
42603	NOX	0
42401	SOX	0
11101	PM	0.424
11101	PM10	0.297
11101	PM2.5	0.179

http://www.arb.ca.gov/app/emsinv/facinfo/facdet.php?co_=43&ab_=SF&facid_=5323&dis_=BA&dbyr=2013&dd=

g/s For AERMOD

workdays of work per year	260	
hours per work day	8	
sec per workday	28800	
grams/day PM2.5 over 260 days	624.5585385	
g/second	0.02168606	<--for aermod

all other parameters (met, receptor grid) same as other runs

Discrete Receptor ID (Group Name)	X	Y	Coatek Concentration (AVERAGE CONC) [ug/m^3] - used actual g/s
new_res	591796.1	4140600.43	2.21E-01
new_res	591852.4	4140623.98	1.37E-01
offsite	591815	4140564.85	0.13539
new_res	591880	4140637.13	9.35E-02
offsite	591715	4140564.85	0.08219
offsite	591915	4140564.85	0.07029
offsite	591915	4140664.85	0.04867
school	591815	4140464.85	0.03658
offsite	591915	4140464.85	0.03551
offsite	592015	4140564.85	0.0278
offsite	591715	4140464.85	0.02248
offsite	592015	4140464.85	0.02241
offsite	592015	4140664.85	0.01797
school	591915	4140364.85	0.01453
offsite	591615	4140464.85	0.01272
offsite	592015	4140364.85	0.01268
school	591815	4140364.85	0.01264
offsite	592115	4140464.85	0.01236
offsite	592115	4140564.85	0.01207
Phase8	591615	4140964.85	0.0108
offsite	592115	4140364.85	0.00949
offsite	592015	4140764.85	0.00847
offsite	592115	4140664.85	0.00833
school	591715	4140364.85	0.0082
Phase8	591515	4140964.85	0.00789
path	591915	4140864.85	0.00752
offsite	592215	4140464.85	0.00743
offsite	592015	4140264.85	0.00731
park	591915	4140264.85	0.00701
offsite	592215	4140364.85	0.00696
offsite	592115	4140264.85	0.00678
offsite	592215	4140564.85	0.00658
offsite	592215	4140264.85	0.00582
offsite	591815	4140264.85	0.00576
offsite	591515	4140464.85	0.00574
Phase7	591415	4140964.85	0.00566
offsite	591615	4140364.85	0.00565
offsite	592315	4140364.85	0.00519
offsite	592315	4140464.85	0.00505
Phase7	591315	4140864.85	0.00488
offsite	592315	4140264.85	0.00483
offsite	592215	4140664.85	0.00479
path	591915	4140964.85	0.00478
Phase8	591615	4141064.85	0.00469
offsite	592115	4140164.85	0.00467
path	592115	4140764.85	0.00461

Discrete Receptor ID (Group Name)	X	Y	Coatek Concentration (AVERAGE CONC) [ug/m^3] - used actual g/s
Phase8	591715	4141064.85	0.0046
offsite	592015	4140164.85	0.00451
offsite	592215	4140164.85	0.0045
offsite	592315	4140564.85	0.00426
offsite	591315	4140664.85	0.00425
path	591815	4141064.85	0.00418
offsite	591715	4140264.85	0.00405
offsite	592415	4140364.85	0.00399
Phase8	591515	4141064.85	0.00397
offsite	591915	4140164.85	0.00394
offsite	592415	4140264.85	0.00393
Phase7	591315	4140964.85	0.00375
offsite	592415	4140464.85	0.00367
Phase2	591315	4140564.85	0.00351
offsite	592515	4140264.85	0.0032
Phase7	591415	4141064.85	0.0032
offsite	591815	4140164.85	0.00318
path	592215	4140764.85	0.00315
path	592315	4140664.85	0.00312
offsite	591615	4140264.85	0.00311
offsite	592015	4140964.85	0.0031
offsite	592515	4140364.85	0.00309
offsite	591215	4140864.85	0.00305
offsite	592415	4140564.85	0.00301
offsite	591915	4141064.85	0.00298
offsite	592015	4140064.85	0.00291
park	591415	4140364.85	0.0029
path	591715	4141164.85	0.0029
path	592115	4140864.85	0.00289
Phase1	591315	4140464.85	0.00276
offsite	592515	4140464.85	0.00273
Phase2	591215	4140764.85	0.0027
Phase8	591615	4141164.85	0.00268
Phase7	591315	4141064.85	0.00258
offsite	591915	4140064.85	0.00244
offsite	591715	4140164.85	0.00243
offsite	592615	4140364.85	0.00242
path	591815	4141164.85	0.0024
Phase8	591515	4141164.85	0.00239
Phase2	591215	4140664.85	0.00226
path	592415	4140664.85	0.00225
path	592515	4140564.85	0.00221
offsite	592015	4141064.85	0.00218
path	592315	4140764.85	0.0021
park	591338.7	4140348.36	2.10E-03
path	592615	4140464.85	0.00209

Discrete Receptor ID (Group Name)	X	Y	Coatek Concentration (AVERAGE CONC) [ug/m^3] - used actual g/s
Phase7	591215	4141064.85	0.00207
Phase8	591415	4141164.85	0.00205
offsite	591915	4141164.85	0.00201
offsite	591815	4140064.85	0.00199
park	591415	4140264.85	0.00198
path	591615	4141264.85	0.00196
path	592715	4140364.85	0.00192
path	591715	4141264.85	0.00188
Phase3	591115	4140864.85	0.00187
Phase1	591215	4140464.85	0.00184
Phase3	591115	4140964.85	0.00181
Phase7	591315	4141164.85	0.0018
Phase2	591215	4140564.85	0.00179
Phase2	591115	4140764.85	0.0017
offsite	591815	4141264.85	0.0017
path	592615	4140564.85	0.00168
path	592515	4140664.85	0.00167
Phase8	591515	4141264.85	0.00167
path	592715	4140464.85	0.00164
offsite	592115	4141064.85	0.00164
offsite	591715	4140064.85	0.00162
offsite	592015	4141164.85	0.0016
Phase6	591215	4141164.85	0.00159
park	591315	4140264.85	0.00155
Phase6	591415	4141264.85	0.00148
Phase2	591115	4140664.85	0.00146
offsite	591915	4141264.85	0.00146
Phase1	591215	4140364.85	0.00144
Phase6	591115	4141164.85	0.00142
path	591615	4141364.85	0.00141
Phase6	591515	4141364.85	0.00138
Phase3	591015	4140964.85	0.00136
offsite	591715	4141364.85	0.00136
park	591239.5	4140294.63	1.34E-03
Phase6	591315	4141264.85	0.00133
Phase3	591015	4140864.85	0.00129
offsite	592115	4141164.85	0.00128
offsite	592215	4141064.85	0.00127
Phase2	591115	4140564.85	0.00124
offsite	591815	4141364.85	0.00124
offsite	591215	4141264.85	0.00122
Phase2	591115	4140464.85	0.00121
offsite	592015	4141264.85	0.00121
Phase6	591115	4141264.85	0.00119
Phase5	591015	4141064.85	0.00117
offsite	591715	4139964.85	0.00116

Discrete Receptor ID (Group Name)	X	Y	Coatek Concentration (AVERAGE CONC) [ug/m^3] - used actual g/s
Phase1	591115	4140364.85	0.00113
Phase3	591015	4140764.85	0.00113
Phase6	591415	4141364.85	0.00112
offsite	591915	4141364.85	0.0011
Phase5	590915	4140964.85	0.00109
offsite	591015	4141164.85	0.00109
path	591515	4141464.85	0.00106
offsite	591615	4141464.85	0.00106
offsite	592215	4141164.85	0.00103
offsite	591715	4141464.85	0.00103
Phase2	591015	4140664.85	0.00102
offsite	592315	4141064.85	0.00102
offsite	592115	4141264.85	0.00101
Phase6	591315	4141364.85	0.001
Phase3	590915	4140864.85	0.00099
offsite	591815	4141464.85	0.00096
offsite	592015	4141364.85	0.00095
Phase6	591415	4141464.85	0.00094
Phase5	590915	4141064.85	0.00091
Phase6	591215	4141364.85	0.00091
Phase2	591015	4140564.85	0.0009
Phase3	590915	4140764.85	0.00087
Phase5	590915	4141164.85	0.00087
offsite	591915	4141464.85	0.00087
offsite	592315	4141164.85	0.00085
offsite	592215	4141264.85	0.00085
Phase1	591015	4140364.85	0.00084
Phase6	591015	4141364.85	0.00084
Phase6	591115	4141364.85	0.00084
path	591515	4141564.85	0.00084
offsite	591615	4141564.85	0.00084
Phase2	591015	4140464.85	0.00082
offsite	592115	4141364.85	0.00082
path	591415	4141564.85	0.00082
offsite	591715	4141564.85	0.00082
Phase6	591315	4141464.85	0.00081
Phase3	590915	4140664.85	0.0008
offsite	590915	4141264.85	0.0008
Phase2	590915	4140464.85	0.00079
Phase3	590815	4140864.85	0.00078
offsite	592015	4141464.85	0.00077
offsite	591815	4141564.85	0.00077
Phase2	590915	4140564.85	0.00076
offsite	590815	4141264.85	0.00075
Phase5	590815	4140964.85	0.00073
Phase6	591215	4141464.85	0.00073

Discrete Receptor ID (Group Name)	X	Y	Coatek Concentration (AVERAGE CONC) [ug/m^3] - used actual g/s
Phase3	590815	4140764.85	0.00072
Phase5	590815	4141064.85	0.00072
offsite	592315	4141264.85	0.00072
Phase5	590815	4141164.85	0.00071
offsite	592215	4141364.85	0.00071
offsite	591915	4141564.85	0.00071
Phase3	590815	4140664.85	0.0007
Phase5	590715	4140964.85	0.0007
Phase6	591315	4141564.85	0.00069
offsite	591515	4141664.85	0.00069
offsite	591615	4141664.85	0.00069
offsite	590715	4140864.85	0.00068
Phase6	591115	4141464.85	0.00068
offsite	592115	4141464.85	0.00068
path	591415	4141664.85	0.00068
Phase2	590915	4140364.85	0.00067
offsite	591715	4141664.85	0.00067
Phase6	591015	4141464.85	0.00065
offsite	592015	4141564.85	0.00064
offsite	591815	4141664.85	0.00064
Phase5	590715	4141064.85	0.00063
Phase6	591215	4141564.85	0.00063
offsite	592415	4141264.85	0.00062
Phase2	590815	4140564.85	0.00061
offsite	592315	4141364.85	0.00061
Phase5	590715	4141164.85	0.0006
offsite	590715	4141264.85	0.0006
offsite	592215	4141464.85	0.0006
offsite	591915	4141664.85	0.00059
Phase4	590715	4140764.85	0.00058
offsite	592115	4141564.85	0.00058
offsite	591515	4141764.85	5.80E-04
offsite	591615	4141764.85	5.80E-04
offsite	591415	4141764.85	0.00057
Phase2	590815	4140464.85	0.00056
path	591315	4141764.85	0.00056
offsite	591715	4141764.85	5.60E-04
offsite	592015	4141664.85	0.00055
offsite	591815	4141764.85	5.40E-04
offsite	592415	4141364.85	0.00053
offsite	592315	4141464.85	0.00053
Phase4	590715	4140664.85	0.00052
offsite	592215	4141564.85	0.00052
offsite	591915	4141764.85	5.10E-04
offsite	592115	4141664.85	0.0005
Phase4	590715	4140564.85	0.00049

Discrete Receptor ID (Group Name)	X	Y	Coatek Concentration (AVERAGE CONC) [ug/m^3] - used actual g/s
Phase4	590615	4140764.85	0.00048
Phase4	590615	4140564.85	0.00047
offsite	592515	4141364.85	0.00047
offsite	592415	4141464.85	0.00047
offsite	592015	4141764.85	4.70E-04
offsite	592315	4141564.85	0.00046
offsite	592215	4141664.85	0.00045
Phase4	590615	4140664.85	0.00044
Phase4	590515	4140764.85	0.00043
offsite	592115	4141764.85	4.30E-04
path	591315	4141964.85	4.20E-04
Phase4	590515	4140664.85	0.0004
offsite	589615	4139864.85	0.00014
offsite	589615	4139964.85	0.00014
offsite	589515	4140064.85	0.00014
offsite	589615	4140064.85	0.00014
offsite	589615	4139664.85	0.00013
offsite	589515	4139764.85	0.00013
offsite	589615	4139764.85	0.00013
offsite	589515	4139864.85	0.00013
offsite	589515	4139964.85	0.00013
offsite	589615	4139464.85	0.00012
offsite	589515	4139564.85	0.00012
offsite	589615	4139564.85	0.00012
offsite	589515	4139664.85	0.00012
offsite	589615	4139264.85	0.00011
offsite	589515	4139364.85	0.00011
offsite	589615	4139364.85	0.00011
offsite	589515	4139464.85	0.00011
offsite	589515	4139264.85	0.0001

Nearby Train Risk due to activty and fleet changes over time

Using Existing Train Locomotives

Service level	Trains	Scale	Cancer	Haz	PM2.5
Existing	24	100%	24	0.01	0.04
Near-Term	36	150%	36	0.01	0.06
Long-Term	52	217%	52	0.02	0.08

Train risk @ 100 feet west of line

Source for baseline emissions/risk: BAAQMD

Source for train service: Caltrain electrification Final EIR, 2015; only includes passenger trains as freight use unknown but

Reductions with Tier 4 replacement in 2035; existing fleet 2035 & Tier 4 starting in 2035

Service level	Trains	Scale	Cancer	Haz	PM2.5	
Existing	24	100%	8.1	0.003	0.01	
Near-Term	36	150%	12.2	0.004	0.02	
Long-Term	52	217%	17.6	0.006	0.03	33.9%

Train risk @ 100 feet west of line

Source for baseline emissions: BAAQMD

Source for train service: Caltrain electrification Final EIR, 2015; only includes passenger trains as freight use unknown but

Source for reduction percent: USEPA. Reductions presumed (70%) based on assumption that existing equipment is Tier 2 or Tier 3 (2005-2011) equipment. If equipment is Tier 0/1 (2004 or earlier), then PM reductions would be 86%.

EPA Locomotive Standards http://www3.epa.gov/nonroad/locomotv/420f09025.pdf

Tier	PM10 Std (g/bhp-hr)	Percent reduction to T0/T1	Percent reduction to T1+
0	0.32	0%	NA
0+	0.2	38%	NA
1	0.32	0%	NA
1+	0.2	38%	NA
2	0.18	44%	NA
2+	0.08	75%	NA
3	0.08	75%	NA
4	0.015	95%	93%
		Tier 4 to Tier 1+ multiplier ->	8%

Fraction of time

Existing fleet	0.285714286	20 years on current fleet which which is conservatively Tier 1+ on average (2015-2035
Tier 4 flet	0.714285714	50 years on tier 4 (2035-2085)

Cumulative Train Scaling for Cancer

	Existing	Unmitigated Long-Term	Mitigated/Fleet Turnover
Parcel 1	19	41.9	14.2
Parcel 2	19	41.9	14.2
Parcel 3	24	52.0	17.6
Parcel 4	24	52.0	17.6
Parcel 5	24	52.0	17.6
offsite - south	15	33.5	11.4
offsite - east	0	0.0	0.0
offsite - north	8	16.9	5.7
School	8	17.9	6.1
north	50	108.0	36.7
east	0	0.0	0.0
			(use in cumulative HRA)

ACE traction fleet characteristics			
	Tier	2008	2035
MPI (1998)	1	50%	0%
MPI (2001)	1	33%	0%
MPI (2007)	2	17%	17%
T4	4	0%	83%
Source: ACE Maintenance Facility IS/MND, 2008. http://www.sjgov.org/lafco/Staff%20Reports/City%20of%20Stockton/ACE%20Initial%20Study%20Mitigated%20Neg%20Dec%20as%20amended.pdf.			
Note: Presumed replacement at 30 years (ICF assumption)			

CCJPA traction fleet characteristics			
	Tier	2013	2035
F-59 C15	2	67%	0%
F59 3412C	2	17%	0%
Dash8	0+	11%	0%
P42	0	6%	0%
ACR-44	4	0%	100%
Source: CCJPA, Sacramento - Roseville 3rd Track Project DEIR			

HRA Factors and values for all Opertional HRA Calculations

Dose factors

$Dose\text{-}air = C_{air} \times \{BR/BW\} \times A \times EF \times 10^{-6}$

		3rd trimester	0<2	2<9	2<16	16<30	16-70	source
Daily Breath Rate (L/kg-day)	Residential	361	1090	631	572	261	233	OEHHA 2015, Table 5.6, 95th %ile for 3rdtri-2yrs old; Table 5.7, 80th for other age groups
	Parks/Paths	0	1200	640	520	240	230	OEHHA 2015, Table 5.8 (95th, moderate) for all bins but 3rd tri; assume no 3rd tri receptors;
	School	0	1200	640	520	240	230	same as park
	Daycare	361	1200	640	520	240	230	similar to schools; assume women of child bearing age are present at daycare facilities (for 3rd tri DBR); OEHHA, Page 8-9)
A		1	1	1	1	1	1	OEHHA 2015, page 5-24
EF, Exposure frequency (unitless)	Residential	0.96	0.96	0.96	0.96	0.96	0.96	OEHHA 2015, page 5-24, 350 days/yr
	Parks/Paths	0.03	0.03	0.03	0.03	0.03	0.03	3x/week, 2 hours/day, for 9 years
	School	0.12	0.12	0.12	0.12	0.12	0.12	180 days/yr, 6 hours/day
	Daycare	0.23	0.23	0.23	0.23	0.23	0.23	250 days/yr, 8 hours/day (similar to worker)
Conversion Factor		1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06	(mg/ug + m3/L)

Risk Factors

$RISK_{inh\text{-}res} = DOSE_{air} \times CPF \times ASF \times ED/AT \times FAH$

CPF, DPM ([mg/kg-day]$^{-1}$)	1.1	1.1	1.1	1.1	1.1	1.1	OEHHA 2015, Table 7.1
CPF, TOXICS ([mg/kg-day]$^{-1}$)							see TOG Speciation
Average Age Sensitivity Factor - residence	10	10	3	3	1	1	OEHHA 2015, Table 8.3
AT, Average Time (days)	70	70	70	70	70	70	Averaging time for lifetime cancer risk
FAH	1.00	1.00	1.00	1.00	1.00	1.00	OEHHA 2015, Table 8.4: Use FAH = 1 if a school is within the 1×10-6 (or greater) cancer risk isopleth
Adjustment Factor (schools and daycare)	3.36	3.36	3.36	3.36	3.36	3.36	OEHHA 2015, Page 4-44 and Equation 4.1; the long term residential exposure is adjusted upward to represent the exposure to a worker (or in this case, a school/daycare receptor).
ED, Exposure Duration (years)							
Individual Cancer Risk -70yr	0.25	2	0	14	0	54	Equation 8.2.4 A, OEHHA 2015
Individual Cancer Risk -30yr	0.25	2	0	14	14	0	Equation 8.2.4 A, OEHHA 2015
Individual Cancer Risk -Paths/Parks	0	2	7	0	6	0	Equation 8.2.4 B, OEHHA 2015
Individual Cancer Risk -School	0	0	7	2	0	0	BAAQMD HRSA Guidalines, Jan 2010, page 3
Individual Cancer Risk -Daycare	0.25	2	4	0	0	0	Children 0-6 yrs old, pg. A2-15 of OEHHA 2004
Chronic Inhalation Reference Exposure Level, respiratory, DPM	5						OEHHA 2015, Table 6.3

Nitrogen Deposition Sheets

Estimation of Adjustment Factor and Nitrogen Deposition Fee, City Place Project (Revised 09/10/15)

Table 1: City Place Nitrogen Deposition Fee Calculation

Item	Data	Source
Total Daily Trips	140,730	F&P 2015, Scheme B
Total Daily Trips with MM TRA-1.1	137,910	F&P 2015, Scheme B
2014-2015 fee	$4.20	Santa Clara Habitat Agency
Adjustment Factor	**38%**	Calculation from ICF (see other tabs)
Adjusted Fee	$220,104	

Table 2: City Place NOx Emissions

Source	NOx (lb/Day)	Source
Mobile	384	ICF estimates
Non-Mobile	57	ICF estimates
Total	441	

Table 3: Nitrogen Deposition Comparison for Coyote Ridge Vicinity (per ton N emissions)

Source	(Kg-N/ha deposition per ton N emissions)	Source
City Place Vicinity mobile emissions	0.00218	ICF CMAQ modelling
HCP Area average mobile emissions	0.00637	ICF CMAQ modelling
City Place Vicinity/HCP Area average mobile emissions	34%	
City Place Vicinity non-mobile emissions	0.00440	ICF CMAQ modelling
HCP Area average non-mobile emissions deposition	0.00737	ICF CMAQ modelling
City Place Vicinity/HCP area average non-mobile emissions	60%	

Table 4: Adjusted City Place NOx emissions

Source	NOx (lb/Day)	Source
Mobile	131	Total emissions times scaling factor
Non-Mobile	34	Total emissions times scaling factor
Adjusted Total	165	
Adjusted Total/Total	**38%**	

Appendix 3.6

Noise Data

Table 1. Peak-Hour Traffic Volumes for Roadway Segments near Proposed Project

Roadway	Segment	Existing Peak-Hour Volume	Existing + Project Peak-Hour Volume	Cumulative 2040 Peak-Hour Volume	Cumulative 2040 + Project Peak-Hour Volume
Tasman Drive	Fair Oaks Avenue to Vienna Drive	1,591	1,830	2,910	3,330
Tasman Drive	Vienna Drive to Lawrence Expressway	1,733	1,940	3,080	3,480
Tasman Drive	Lawrence Expressway to Birchwood Drive	2,189	3,470	3,880	4,590
Tasman Drive	Birchwood Drive to Reamwood Drive	2,250	3,600	3,910	4,340
Tasman Drive	Reamwood Drive to Patrick Henry Drive	1,773	3,120	3,490	3,840
Tasman Drive	Centennial Boulevard to Calle Del Sol	2,744	5,420	4,000	5,490
Tasman Drive	Calle Del Sol to Lick Mill Boulevard	2,681	4,870	4,130	4,770
Tasman Drive	Lick Mill Boulevard to Renaissance Drive	2,685	4,120	4,550	4,900
Centennial Boulevard	North of Tasman Drive	388	1,790	420	1,680
Fair Oaks Avenue	Fairoaks Way to Tasman Drive	2,011	2,140	3,050	3,290
Lawrence Expressway	Persian Drive to Tasman Drive	3,315	3,720	5,000	5,580
Lawrence Expressway	Tasman Drive to Palamos Drive	4,027	5,000	5,470	5,720
Montague Expressway	Lafayette Street to Agnew Road - De La Cruz Boulevard	7,743	8,350	10,480	10,960
Montague Expressway	Agnew Road - De La Cruz Boulevard to Lick Mill Boulevard	7,478	7,940	9,940	10,180
Agnew Road - De La Cruz Boulevard	Garity Way to Sun Fire Way	958	980	1,150	1,450
Agnew Road - De La Cruz Boulevard	Sun Fire Way to Montague Expressway	1,625	1,650	2,460	2,770
Agnew Road - De La Cruz Boulevard	Montague Expressway to Greenwood Drive	1,040	1,560	2,260	2,850
Sandia Avenue	East of Lawrence Expressway	683	750	810	1,070

Roadway	Segment	Existing Peak-Hour Volume	Existing + Project Peak-Hour Volume	Cumulative 2040 Peak-Hour Volume	Cumulative 2040 + Project Peak-Hour Volume
Great American Parkway	SR 237 to Yerba Buena Way/Great America Way	3,010	6,170	3,340	5,310
Great American Parkway	Yerba Buena Way/Great America Way to Old Mountain Road	2,815	5,700	3,190	5,190
Lafayette Street	SR 237 to Great America Way	693	2,350	1,040	2,300
Lafayette Street	Great America Way to Future Driveway (south)	1,304	2,160	0	1,990
Lafayette Street	Future Driveway (south of Great America Way) to Future Urban Interchange	1,304	2,080	0	1,940
Lafayette Street	Calle De Luna to Tasman Drive	1,331	3,250	1,840	3,950
Lafayette Street	Tasman Drive to Hogan Drive	1,678	3,710	2,290	4,450
Lafayette Street	Hogan Drive to Hope Drive	1,813	3740	2,460	4,490
Lafayette Street	Hope Drive to Agnew Road	2,096	3,960	2,790	4,680
Lafayette Street	Agnew Road to Palm Drive	1,745	3570	2,330	3,890
Lafayette Street	Palm Drive to Montague Expressway	1,761	2820	2,470	3,090
Lafayette Street	Montague Expressway to Central Expressway	1,513	2360	2,230	2,820

Note: The values shown are the higher of either the AM or PM peak hour volume; in most cases, this was the PM peak-hour with the exception of the Great American Parkway from Yerba Buena Way to Old Mountain Road, which had much higher AM peak-hour with-project traffic volumes.

Table 2. Existing and Existing plus-Project Traffic Noise Levels at 50 feet

Roadway	Segment	Existing L_{dn} at 50 feet	Existing plus-Project L_{dn} at 50 feet	Project Contribution to Noise Level at 50 feet	Impact at 50 feet? (>3 dBA change)
Tasman Drive	Fair Oaks Avenue to Vienna Drive	70.7	71.3	0.6	No
Tasman Drive	Vienna Drive to Lawrence Expressway	71.0	71.5	0.5	No
Tasman Drive	Lawrence Expressway to Birchwood Drive	72.1	74.1	2.0	No
Tasman Drive	Birchwood Drive to Reamwood Drive	72.2	74.2	2.0	No
Tasman Drive	Reamwood Drive to Patrick Henry Drive	71.2	73.6	2.4	No
Tasman Drive	Centennial Boulevard to Calle Del Sol	73.0	76.0	3.0	Yes
Tasman Drive	Calle Del Sol to Lick Mill Boulevard	72.9	75.5	2.6	No
Tasman Drive	Lick Mill Boulevard to Renaissance Drive	73.0	74.8	1.8	No
Fair Oaks Avenue	Fairoaks Way to Tasman Drive	73.2	73.4	0.2	No
Lawrence Expressway	Persian Drive to Tasman Drive	77.0	77.5	0.5	No
Lawrence Expressway	Tasman Drive to Palamos Drive	77.9	78.8	0.9	No
Montague Expressway	Lafayette Street to Agnew Road – De La Cruz Boulevard	79.5	79.9	0.4	No
Montague Expressway	Agnew Road – De La Cruz Boulevard to Lick Mill Boulevard	79.4	79.6	0.2	No
Agnew Road – De La Cruz Boulevard	Garity Way to Sun Fire Way	66.9	67.0	0.1	No
Agnew Road – De La Cruz Boulevard	Sun Fire Way to Montague Expressway	69.2	69.3	0.1	No
Agnew Road – De La Cruz Boulevard	Montague Expressway to Greenwood Drive	67.2	69.0	1.8	No
Sandia Avenue	East of Lawrence Expressway	60.2	60.6	0.4	No
Great America Parkway	SR-237 to Yerba Buena Way/Great America Way	74.0	77.1	3.1	Yes
Great America Parkway	Yerba Buena Way/Great America Way to Old Mountain View Alviso Road	73.7	76.8	3.1	Yes
Lafayette Street	SR-237 to Great America Way	66.9	72.2	5.3	Yes
Lafayette Street	Calle Del Mundo to Tasman Drive	69.7	73.6	3.9	Yes
Lafayette Street	Tasman Drive to Hogan Drive	70.7	74.2	3.5	Yes
Lafayette Street	Hogan Drive to Hope Drive	71.0	74.2	3.2	Yes

Roadway	Segment	Existing L_{dn} at 50 feet	Existing plus-Project L_{dn} at 50 feet	Project Contribution to Noise Level at 50 feet	Impact at 50 feet? (>3 dBA change)
Lafayette Street	Hope Drive to Agnew Road	71.7	74.4	2.7	No
Lafayette Street	Agnew Road to Palm Drive	70.9	74.0	3.1	Yes
Lafayette Street	Palm Drive to Montague Expressway	70.9	73.0	2.1	No
Lafayette Street	Montague Expressway to Central Expressway	70.3	72.2	1.9	No

Notes:

Traffic noise was modeled using AM or PM Peak-Hour traffic volumes (whichever was higher); in this case, this was the PM Peak-Hour, with the exception of Great American Parkway from Yerba Buena Way to Old Mountain Road, which had much higher AM Peak-Hour with-Project traffic volumes.

Modeled 1-hour L_{eq} values were conservatively converted into L_{dn} values by adding 2 dBA to each L_{eq} result (This is based on the typical relationship between the highest 1-hour L_{eq} and the L_{dn} value derived from the 24-hour noise measurements).

Bold = significant impact

Table 3. Cumulative Year 2040 and Cumulative Year 2040 plus-Project Traffic Noise Levels at 50 Feet for Off-Site Receptors

Roadway	Segment	Existing L_{dn} at 50 feet	Cumulative L_{dn} at 50 feet	Cumulative plus-Project L_{dn} at 50 feet	Cumulative Increase (Difference between Existing and Cumulative plus Project)	Significant Cumulative Impact at 50 feet? (>3 dBA change)	Project Contribution to Noise Level at 50 feet	Cumulatively Considerable Contribution at 50 feet? (>1 dBA change)
Tasman Drive	Fair Oaks Avenue to Vienna Drive	70.7	73.3	73.9	**3.2**	**Yes**	0.6	No
Tasman Drive	Vienna Drive to Lawrence Expressway	71	73.6	74.1	**3.1**	**Yes**	0.5	No
Tasman Drive	Lawrence Expressway to Birchwood Drive	72.1	74.6	75.3	**3.2**	**Yes**	0.7	No
Tasman Drive	Birchwood Drive to Reamwood Drive	72.2	74.6	75	2.8	No	0.4	No
Tasman Drive	Reamwood Drive to Patrick Henry Drive	71.2	74.1	74.5	**3.3**	**Yes**	0.4	No
Tasman Drive	Centennial Boulevard to Calle Del Sol	73	74.7	76.1	**3.1**	**Yes**	**1.4**	**Yes**
Tasman Drive	Calle Del Sol to Lick Mill Boulevard	72.9	74.8	75.4	2.5	No	0.6	No
Tasman Drive	Lick Mill Boulevard to Renaissance Drive	73	75.2	75.6	2.6	No	0.4	No
Fair Oaks Avenue	Fairoaks Way to Tasman Drive	73.2	75	75.3	2.1	No	0.3	No
Lawrence Expressway	Persian Drive to Tasman Drive	77	78.5	79	2	No	0.5	No
Lawrence Expressway	Tasman Drive to Palamos Drive	77.9	78.9	79.1	1.2	No	0.2	No

Roadway	Segment	Existing L_{dn} at 50 feet	Cumulative L_{dn} at 50 feet	Cumulative plus-Project L_{dn} at 50 feet	Cumulative Increase (Difference between Existing and Cumulative plus Project)	Significant Cumulative Impact at 50 feet? (>3 dBA change)	Project Contribution to Noise Level at 50 feet	Cumulatively Considerable Contribution at 50 feet? (>1 dBA change)
Montague Expressway	Lafayette Street to Agnew Road – De La Cruz Boulevard	79.5	80.7	80.9	1.4	No	0.2	No
Montague Expressway	Agnew Road – De La Cruz Boulevard to Lick Mill Boulevard	79.4	80.5	80.6	1.2	No	0.1	No
Agnew Road – De La Cruz Boulevard	Garrity Way to Sun Fire Way	66.9	67.7	68.7	1.8	No	1.0	No
Agnew Road – De La Cruz Boulevard	Sun Fire Way to Montague Expressway	69.2	71	71.5	2.3	No	0.5	No
Agnew Road – De La Cruz Boulevard	Montague Expressway to Greenwood Drive	67.2	70.6	71.6	**4.4**	**Yes**	**1.0**	**Yes**
Sandia Avenue	East of Lawrence Expressway	60.2	61.4	62.6	2.4	No	1.2	No
Great American Parkway	SR-237 to Yerba Buena Way/Great America Way	74	75	77	**3**	**Yes**	**2.0**	**Yes**
Great American Parkway	Yerba Buena Way/Great America Way to Old Mountain Road	73.7	74.8	76.9	**3.2**	**Yes**	**2.1**	**Yes**
Lafayette Street	SR-237 to Great America Way	66.9	68.8	72.3	**5.4**	**Yes**	**3.5**	**Yes**
Lafayette Street	Great America Way to future driveway (south)	68.5	70.3	71.7	**3.2**	**Yes**	**1.4**	**Yes**

Roadway	Segment	Existing L_{dn} at 50 feet	Cumulative L_{dn} at 50 feet	Cumulative plus-Project L_{dn} at 50 feet	Cumulative Increase (Difference between Existing and Cumulative plus Project)	Significant Cumulative Impact at 50 feet? (>3 dBA change)	Project Contribution to Noise Level at 50 feet	Cumulatively Considerable Contribution at 50 feet? (>1 dBA change)
Lafayette Street	Calle Del Mundo to Tasman Drive	69.7	71.3	74.6	**4.9**	**Yes**	**3.3**	**Yes**
Lafayette Street	Tasman Drive to Hogan Drive	70.7	72.3	75.1	**4.4**	**Yes**	**2.8**	**Yes**
Lafayette Street	Hogan Drive to Hope Drive	71	72.6	75.2	**4.2**	**Yes**	**2.6**	**Yes**
Lafayette Street	Hope Drive to Agnew Road	71.7	73.1	75.4	**3.7**	**Yes**	**2.3**	**Yes**
Lafayette Street	Agnew Road to Palm Drive	70.9	72.3	74.6	**3.7**	**Yes**	**2.3**	**Yes**
Lafayette Street	Palm Drive to Montague Expressway	70.9	72.6	73.6	2.7	No	1	No
Lafayette Street	Montague Expressway to Central Expressway	70.3	72.1	73.2	2.9	No	1.1	No

Notes:

Traffic noise was modeled using AM or PM Peak-Hour traffic volumes (whichever was higher); in this case, this was the PM Peak Hour, with the exception of the Great American Parkway from Yerba Buena Way to Old Mountain Road, which had much higher AM Peak-Hour with-Project traffic volumes.

Modeled 1-hour L_{eq} values were conservatively converted into L_{dn} values by adding 2 dBA to each L_{eq} result (based on trends in the 24-hour noise measurements).

Bold = significant impact

Sound Wall Infeasibility Justification

The sound wall mitigation measure would be infeasible at the locations indicated in the table below. This infeasibility finding is based upon inconsistencies with City goals and policies. The goals and policies with which each of the proposed sound walls is inconsistent vary depending upon the type of receptor (e.g., existing commercial or residential uses) for which the applicable sound wall is proposed. A table of the relevant General Plan goals and policies with which the sound walls would be inconsistent is set forth below, with indications as to which receptor types would be inconsistent with each goal/policy.

In addition to the reasons for infeasibility provided below, there is a technical reason for infeasibility where sound walls would front buildings that are more than one story high. Average sound wall heights are approximately eight feet or less, which would not provide any noise-shielding benefit to occupants of second stories and above. The construction of taller sound walls would be impractical and would exceed City requirements, which limit wall heights to 8 feet.

Policy/Goal	**Office/R&D**	**Residential**	**Industrial (Tasman East)**	**Agnews Historic Park**	**School**
Residential Land Use Goal 5.3.2-G4 Respect for the existing character and quality of adjacent neighborhoods from new residential development and redevelopment. *The construction of sound walls would detract from the existing character and quality of commercial and residential development – sound walls would block the visibility of commercial development (a concern with respect to retaining businesses within the City) and block views and access to and from residential front yards and facades.*	✓	✓			
Residential Land Use Policy 5.3.2-P4 Encourage indoor and outdoor private and common spaces as part of all new residential developments, including clustering of units to maximize open space opportunities where appropriate. *The construction of sound walls would inhibit use of the street-facing outdoor private and common spaces of residences.*		✓			
Commercial Land Use Goal 5.3.3-G1 A variety of retail, commercial and neighborhood office uses throughout the City, consistent with the intensities defined in the commercial land use classifications. *The construction of sound walls would block the visibility of commercial development, which could discourage businesses from relocating to, or staying in, the City.*	✓				
Commercial Land Use Goal 5.3.3-G2 Quality commercial uses throughout the City, particularly along key transportation corridors. *The construction of sound walls would block the visibility of commercial development, which could discourage businesses from relocating to, or staying in, the City.*	✓				

Policy/Goal	Office/R&D	Residential	Industrial (Tasman East)	Agnews Historic Park	School
Commercial Land Use Policy 5.3.3-P1 Provide a mix of retail and commercial uses to meet the needs of local customers and draw patrons from the greater region. *The construction of sound walls would block the visibility of commercial development, which could discourage businesses from relocating to, or staying in, the City.*	✓				
Commercial Land Use Policy 5.3.3-P8 Require quality design for new and redeveloped commercial uses to support the City's economic development objectives. *The construction of sound walls would block the visibility of commercial development, which could discourage businesses from relocating to, or staying in, the City.*	✓				
Mixed Use Land Use Policy 5.3.4-P9 Encourage ground-level windows and building entries that support a visual connection to activities. *The construction of sound walls would block visual connections to activities in existing commercial, industrial, and residential developments.*	✓	✓	✓		
Office and Industrial Land Use Goal 5.3.5-G1 A City that continues to be a major employment center in Silicon Valley. *The construction of sound walls would block the visibility of commercial and industrial development, which could discourage businesses from relocating to, or staying in, the City.*	✓		✓		
Office and Industrial Land Use Policy 5.3.5-P1 Work with existing Santa Clara businesses to retain and expand employment opportunities and strengthen the existing tax base. *The construction of sound walls would block the visibility of commercial and industrial development, which could discourage businesses from relocating to, or staying in, the City.*	✓		✓		
Tasman East Focus Area Policy 5.4.6-G4 New housing and supporting uses that are integrated with existing residential uses to the south and compatible with former landfill uses in the north. *The construction of sound walls in this area would inhibit visual integration with the uses to the south.*			✓		
Tasman East Focus Area Policy 5.4.6-P4 Promote pedestrian-friendly design that includes features such as shade trees, streetscapes that contain lighting and landscaping, street furniture, pedestrian and bike paths, limited driveway curb cuts, traffic-calming features, and pedestrian street crossings. *The construction of sound walls in this area would detract from the goal of pedestrian-friendly features that would link new uses to transportation options.*			✓		

Policy/Goal	Office/R&D	Residential	Industrial (Tasman East)	Agnews Historic Park	School
Tasman East Focus Area Policy 5.4.6-P11 Require new buildings to maintain a consistent setback/build-to-line from the public right-of-way in order to create a well-defined public sidewalk and street. *The construction of sound walls in this area would sever the continuity between new buildings and the street, inhibiting the creation of a public sidewalk and street.*			✓		
Tasman East Focus Area Policy 5.4.6-P13 Require that building facades and entrances directly face street frontages, with a high proportion of transparent windows facing the street for nonresidential uses. *The construction of sound walls in this area would make it impossible to create a visual linkage between new building facades and streets.*			✓		
Transition Policy 5.5.2-P1 Require that new development incorporate building articulation and architectural features, including front doors, windows, stoops, porches or bay windows along street frontages, to integrate new development into existing neighborhoods. *The construction of sound walls would block visual connections to the building articulation features featured in new residential neighborhoods, thus impeding their integration with surrounding neighborhoods.*	✓	✓	✓		
Transition Policy 5.5.2-P9 Improve pedestrian amenities, including sidewalks and bicycle paths, to promote neighborhood compatibility. *The creation of sound walls would inhibit visibility from sidewalks and bicycle paths into nearby neighborhoods.*	✓	✓	✓	✓	✓
Historic Preservation Goal 5.6.1-G2 Public awareness of the City's historic preservation programs. *The creation of sound walls in this area would decrease the visibility of the historic resources, which would correspondingly decrease public awareness of those resources.*				✓	
Historic Sensitivity Goal 5.6.2-G2 Preservation of the neighborhood context for historic resources. *The creation of sound walls in this area would sever the visual continuity and neighborhood context of these historic resources.*				✓	
Historic Sensitivity Policy 5.6.2-P2 Require that changes to properties that contribute to the context of a historic resource are compatible in scale, materials, design, height, mass and use with the historic resource or its context. *The addition of sound walls in this area would be visually incompatible with the scale, materials, design, height, mass and use of the historic resource.*				✓	
Roadway Network Policy 5.8.2-P11 Implement street standards that remove barriers and increase accessibility. *The construction of sound walls would increase visual barriers and inhibit public access to the streets.*	✓	✓	✓	✓	✓

Policy/Goal	Office/R&D	Residential	Industrial (Tasman East)	Agnews Historic Park	School
Bicycle and Pedestrian Network Policy 5.8.4-P2 Provide a system of pedestrian and bicycle friendly facilities that supports the use of alternative travel modes and connects to activity centers as well as residential, office and mixed-use developments. *In numerous locations, the construction of sound walls is not pedestrian- or bicycle-friendly because it decreases visual continuity with the surrounding areas.*	✓	✓	✓	✓	✓
Bicycle and Pedestrian Network Policy 5.8.4-P5 Design streets to include detached sidewalks with planting strips or wider, attached sidewalks with tree-wells to encourage pedestrian use and safety, as well as to remove barriers and increase accessibility. *The construction of sound walls would decrease pedestrian use and safety by severing paths of travel from neighboring uses and decreasing visual continuity with the surrounding areas.*	✓	✓	✓	✓	✓
Parks, Open Space and Recreation Policy 5.9.1-P4 Provide connections between private and public open space through publicly accessible trails and pathways and by orienting open spaces to public streets. *The creation of sound walls in this area would prevent the park property from being oriented to public streets.*				✓	
Parks, Open Space and Recreation Policy 5.9.1-P5 Encourage public visibility for all parks, trails and open spaces. *The creation of sound walls would prevent the park property from being visible from public rights of way.*				✓	
Public Service Policy 5.9.3-P1 Encourage design techniques that promote public and property safety in new development and public spaces. *The construction of sound walls would diminish public and property safety for existing developments by severing the visual connection between public rights of way and surrounding uses.*	✓	✓	✓	✓	✓

Table 4. Cumulative Noise Mitigation – Infeasible Soundwall Locations

Roadway	Segment	Length (feet)	Receptor(s)
Agnew-De La Cruz	Montague to Greenwood	1,400	Residential (front yards and side yards bordering frontage)
Lafayette	Calle del Mundo to Tasman Drive (east)	520	Industrial – all bermed, getting higher as move north toward 237
Lafayette	Hogan Drive to Hope Drive (east)	1,410	Residential (front yards and side yards bordering frontage)
Lafayette	Hope Drive to Agnew Road (east)	2,200	Residential (front yards and side yards bordering frontage)
	TOTAL	**5,530**	

Appendix 3.7

Native American Consultation

Native American Consultation – City Place

SANTA CLARA CALIFORNIA

Santa Clara
All-America City
2001

Planning Division

August 25, 2014

Amah Mutsun Tribal Band of Mission San Juan Bautista
Irene Zwierlein, Chairperson
789 Canada Road
Woodside, CA 94062

RE: PLN2014-10554, 5155 Stars and Stripes Drive, City Place Santa Clara Project

Dear Ms. Zwierlein:

The City of Santa Clara invites your participation in the consultation process for a multi-phased development project involving five City owned parcels totaling 230 acres. The project site is generally located north of Stars and Stripes Drive, east of Great America Parkway, west of the Guadalupe River, and south of Great America Way and State Route 237 (APNs: 104-03-036, 104-03-0367, 104-01-102, 097-01-039 and 097-01-073) and is collectively identified as 5155 Stars and Stripes Drive as the project site address. Your tribe was identified by the Native American Heritage Commission as potentially having traditional lands or cultural places within the boundaries of this project.

The site is currently occupied by the Santa Clara Golf & Tennis Club, a Bicycle-Motorcross (BMX) track, Santa Clara Fire Station 10 and the Eastside Retention Basin. Prior to its current use, approximately 210 acres of the site was formally used as the Santa Clara All Purpose Landfill. Uses adjacent to the project site include an industrial park, parking areas and Levi's Stadium to the south; the Santa Clara Convention Center to the southwest; office uses to the north and northwest; and residential uses to the east. A project location map is attached.

The project site has a 2010-2035 General Plan designation of Parks/Open Space and zoning designation of Public, Quasi-Public, and Public Park or Recreation (B). The proposed project involves a General Plan Amendment (#83) from Parks and Open Space to a new land use classification of Urban Center and Entertainment District and General Plan Text Amendment. The proposed project also requires a rezone of the project site from B to Planned Development/Master Community (PD-MC) and a Development Area Plan to construct a multi-phase mixed-use development of up to 8.34 million square feet of office, retail, entertainment, hotel, and residential uses in conjunction with parking facilities, new roads, public improvements, and new and expanded infrastructure (see attached General Plan Map, Zoning Map, and Project Description). The proposed project also includes a Vesting Tentative Subdivision Map, Infrastructure Master Plan, Disposition and Development Agreement, and Development Agreement applications.

The City of Santa Clara feels that your comments regarding land use decisions that may affect ancestral tribal sites are very important. Any information you may share with us regarding cultural resources/places shall be kept confidential and shall not be divulged to

1500 Warburton Avenue
Santa Clara, CA 95050
(408)-615-2450
FAX (408) 247-9857
www.santaclaraca.gov

The public. Please reply and provide any comments regarding this project to Debby Fernandez, Associate Planner with the City of Santa Clara Planning Department. Should you have questions or require additional information, please contact me at 408-615-2458.

Thank your for your attention to this matter.
Sincerely,

Debby Fernandez
Associate Planner

cc: Gloria Sciara, Development Review Officer

I:\PLANNING\2014\Project Files Active\PLN2014-10554 5155 Stars & Stripes - City Place\NAHC\Amah Mutsun Tribal Band IZ 082514 consult ltr.doc

SANTA CLARA CALIFORNIA

Santa Clara
All-America City
2001

Planning Division

August 25, 2014

The Ohlone Indian Tribe
Andrew Galvan
P.O. Box 3152
Fremont, CA 94539

RE: PLN2014-10554, 5155 Stars and Stripes Drive, City Place Santa Clara Project

Dear Mr. Galvan:

The City of Santa Clara invites your participation in the consultation process for a multi-phased development project involving five City owned parcels totaling 230 acres. The project site is generally located north of Stars and Stripes Drive, east of Great America Parkway, west of the Guadalupe River, and south of Great America Way and State Route 237 (APNs: 104-03-036, 104-03-0367, 104-01-102, 097-01-039 and 097-01-073) and is collectively identified as 5155 Stars and Stripes Drive as the project site address. Your tribe was identified by the Native American Heritage Commission as potentially having traditional lands or cultural places within the boundaries of this project.

The site is currently occupied by the Santa Clara Golf & Tennis Club, a Bicycle-Motorcross (BMX) track, Santa Clara Fire Station 10 and the Eastside Retention Basin. Prior to its current use, approximately 210 acres of the site was formally used as the Santa Clara All Purpose Landfill. Uses adjacent to the project site include an industrial park, parking areas and Levi's Stadium to the south; the Santa Clara Convention Center to the southwest; office uses to the north and northwest; and residential uses to the east. A project location map is attached.

The project site has a 2010-2035 General Plan designation of Parks/Open Space and zoning designation of Public, Quasi-Public, and Public Park or Recreation (B). The proposed project involves a General Plan Amendment (#83) from Parks and Open Space to a new land use classification of Urban Center and Entertainment District and General Plan Text Amendment. The proposed project also requires a rezone of the project site from B to Planned Development/Master Community (PD-MC) and a Development Area Plan to construct a multi-phase mixed-use development of up to 8.34 million square feet of office, retail, entertainment, hotel, and residential uses in conjunction with parking facilities, new roads, public improvements, and new and expanded infrastructure (see attached General Plan Map, Zoning Map, and Project Description). The proposed project also includes a Vesting Tentative Subdivision Map, Infrastructure Master Plan, Disposition and Development Agreement, and Development Agreement applications.

The City of Santa Clara feels that your comments regarding land use decisions that may affect ancestral tribal sites are very important. Any information you may share with us regarding cultural resources/places shall be kept confidential and shall not be divulged to

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the public. Please reply and provide any comments regarding this project to Debby Fernandez, Associate Planner with the City of Santa Clara Planning Department. Should you have questions or require additional information, please contact me at 408-615-2458.

Thank your for your attention to this matter.
Sincerely,

Debby Fernandez
Associate Planner

cc: Gloria Sciara, Development Review Officer

SANTA CLARA CALIFORNIA

Santa Clara
All-America City
2001

Planning Division

August 25, 2014

Indian Canyon Mutsun Band of Costanoan
Ann Marie Sayers, Chairperson
P.O. Box 28
Hollister, CA 95024

RE: PLN2014-10554, 5155 Stars and Stripes Drive, City Place Santa Clara Project

Dear Ms. Sayers:

The City of Santa Clara invites your participation in the consultation process for a multi-phased development project involving five City owned parcels totaling 230 acres. The project site is generally located north of Stars and Stripes Drive, east of Great America Parkway, west of the Guadalupe River, and south of Great America Way and State Route 237 (APNs: 104-03-036, 104-03-0367, 104-01-102, 097-01-039 and 097-01-073) and is collectively identified as 5155 Stars and Stripes Drive as the project site address. Your tribe was identified by the Native American Heritage Commission as potentially having traditional lands or cultural places within the boundaries of this project.

The site is currently occupied by the Santa Clara Golf & Tennis Club, a Bicycle-Motorcross (BMX) track, Santa Clara Fire Station 10 and the Eastside Retention Basin. Prior to its current use, approximately 210 acres of the site was formally used as the Santa Clara All Purpose Landfill. Uses adjacent to the project site include an industrial park, parking areas and Levi's Stadium to the south; the Santa Clara Convention Center to the southwest; office uses to the north and northwest; and residential uses to the east. A project location map is attached.

The project site has a 2010-2035 General Plan designation of Parks/Open Space and zoning designation of Public, Quasi-Public, and Public Park or Recreation (B). The proposed project involves a General Plan Amendment (#83) from Parks and Open Space to a new land use classification of Urban Center and Entertainment District and General Plan Text Amendment. The proposed project also requires a rezone of the project site from B to Planned Development/Master Community (PD-MC) and a Development Area Plan to construct a multi-phase mixed-use development of up to 8.34 million square feet of office, retail, entertainment, hotel, and residential uses in conjunction with parking facilities, new roads, public improvements, and new and expanded infrastructure (see attached General Plan Map, Zoning Map, and Project Description). The proposed project also includes a Vesting Tentative Subdivision Map, Infrastructure Master Plan, Disposition and Development Agreement, and Development Agreement applications.

The City of Santa Clara feels that your comments regarding land use decisions that may affect ancestral tribal sites are very important. Any information you may share with us regarding cultural resources/places shall be kept confidential and shall not be divulged to

1500 Warburton Avenue
Santa Clara, CA 95050
(408)-615-2450
FAX (408) 247-9857
www.santaclaraca.gov

the public. Please reply and provide any comments regarding this project to Debby Fernandez, Associate Planner with the City of Santa Clara Planning Department. Should you have questions or require additional information, please contact me at 408-615-2458.

Thank your for your attention to this matter.
Sincerely,

Debby Fernandez
Associate Planner

cc: Gloria Sciara, Development Review Officer

I:\PLANNING\2014\Project Files Active\PLN2014-10554 5155 Stars & Stripes - City Place\NAHC\Indian Canyon Mutsun Band AS 082514 consult ltr.doc

SANTA CLARA CALIFORNIA

Santa Clara
All-America City
2001

Planning Division

August 25, 2014

Amah Mutsun Tribal Band
Valentin Lopez, Chairperson
P.O. Box 5272
Galt, CA 95632

RE: PLN2014-10554, 5155 Stars and Stripes Drive, City Place Santa Clara Project

Dear Mr. Lopez:

The City of Santa Clara invites your participation in the consultation process for a multi-phased development project involving five City owned parcels totaling 230 acres. The project site is generally located north of Stars and Stripes Drive, east of Great America Parkway, west of the Guadalupe River, and south of Great America Way and State Route 237 (APNs: 104-03-036, 104-03-0367, 104-01-102, 097-01-039 and 097-01-073) and is collectively identified as 5155 Stars and Stripes Drive as the project site address. Your tribe was identified by the Native American Heritage Commission as potentially having traditional lands or cultural places within the boundaries of this project.

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SANTA CLARA CALIFORNIA

Santa Clara
All-America City
2001

Planning Division

August 25, 2014

Muwekma Ohlone Indian Tribe of the San Francisco Bay Area
Rosemary Cambra, Chairperson
P.O. Box 360791
Milpitas, CA 95036

RE: PLN2014-10554, 5155 Stars and Stripes Drive, City Place Santa Clara Project

Dear Ms. Cambra:

The City of Santa Clara invites your participation in the consultation process for a multi-phased development project involving five City owned parcels totaling 230 acres. The project site is generally located north of Stars and Stripes Drive, east of Great America Parkway, west of the Guadalupe River, and south of Great America Way and State Route 237 (APNs: 104-03-036, 104-03-0367, 104-01-102, 097-01-039 and 097-01-073) and is collectively identified as 5155 Stars and Stripes Drive as the project site address. Your tribe was identified by the Native American Heritage Commission as potentially having traditional lands or cultural places within the boundaries of this project.

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Sincerely,

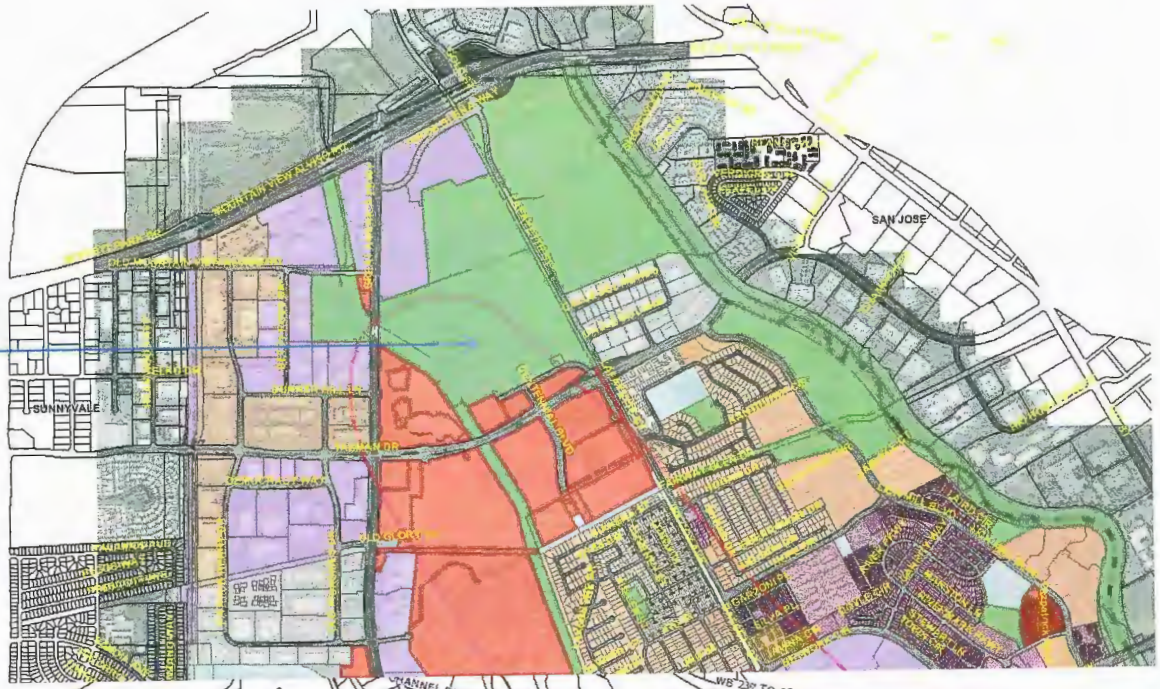
Debby Fernandez
Associate Planner

cc: Gloria Sciara, Development Review Officer

The following materials were included in each letter as attachments

Project Location
City Place Santa Clara

Parks/Open Space
General Plan Designation



Public, Quasi-Public, and
Public Park or Recreation
Zoning (B) Designation

Project Descriptio

OVERVIEW

City Place Santa Clara (the "Project") will create a new "city center" for Santa Clara, containing significant retail facilities, office buildings, rental and for sale residential facilities, hotel rooms, new open spaces, and new roads and infrastructure.

PROJECT LOCATION

The Project is located on four large parcels owned by the City of Santa Clara totaling approximately 230 acres that are currently utilized by the Santa Clara Golf & Tennis Club, a bicycle-motocross track, and a fire station. The parcels were formerly utilized as the Santa Clara All-Purpose landfill, which was closed in 1993. The four parcels are generally located north of Stars and Stripes Drive, east of Great American Parkway, west of the Guadalupe River, and south of Great America Parkway and I-237. On the property immediately south of the westerly portion of the site between Stars and Stripes Drive and Tasman Drive, the Centennial Gateway project is being proposed by the Montana Property Group. That development is not a part of this Project.

PROJECT OBJECTIVES

The Project objectives include:

- Converting the space over the former landfill to more productive uses that maximize the production of housing and commercial space to the greatest extent possible;
- Establishing a new and vibrant, mixed-use City neighborhood with a well-defined center to serve as focal point for a pedestrian-friendly "live, work and play" environment;
- Promote transit-oriented infill-development by placing job-creating commercial buildings, residential units, and entertainment, dining and shopping options in close proximity to each other;
- Enhancing entertainment, dining and shopping opportunities for local residents and workers;
- Providing additional opportunities for major employers to locate to Santa Clara through creating attractive office park complexes in proximity to new residential units, and entertainment, dining and shopping options;
- Provide additional visitor-serving facilities such as hotels, restaurants and shops for people using the new football stadium, as well as the convention center and theme park;
- Allow flexibility to respond to changing market demands to ensure that the project remains economically feasible throughout a multi-year development process;

PROJECT OBJECTIVES (continued)

- Providing new public open spaces and other community benefits;
- Modernizing the landfill protection systems operated by City to ensure continued protection of human health and the environment; and
- Creating a significant new tax base, and increasing City revenues.

CONCEPTUAL LAND USE PLAN

The Project consists of two alternative conceptual land use plan schemes for the four parcels. (See Attachments 1 and 2 labeled *Scheme A* and *Scheme B*) The proposed uses in Scheme A for parcels 1 through 3 include office, retail, and hotel. Parcel 4 is proposed as a mixed-use development consisting of commercial uses including retail, food and beverage and entertainment uses along with office use, hotel, and multi-family residential. Under Scheme A, the building area (excluding parking structures to be developed on these parcels) will total 8,340,000 GSF. Scheme B would incorporate a Retail Center on Parcel 2 with all other uses in Parcels 1, 3 and 4 staying the same as Scheme A. The building area (excluding parking structures) under Scheme B will total 6,271,400 GSF.

The conceptual land use plan for each parcel is summarized below. Attachments 1 and 2 include, for each scheme, a *Development Summary Program* and a *Yield Summary by Parcel*. These tables provide more detailed information on the uses and distribution of building square footages for the project in aggregate and also by Parcel as summarized below. The tables also include parking space counts and locations within the Project Area.

Parcel 1: Hotel and Office-Related Uses – 36 acres

Under both Scheme A and Scheme B, Parcel 1 development uses will consist of office space, office user serving retail and food and beverage, and hotel uses, with a total base entitlement of 1,200,000 GSF of development, excluding parking areas and/or structures. Hotel development will not exceed 150 rooms. Through operation of the mechanism for transfer of density and use described below, the total square feet of development could be up to 20 percent greater than this base entitlement (in which case the total amount of development in Parcels 2, 3 and the Northwest Office Zone in Parcel 4 would decrease proportionately – by up to 20 percent.)

Parcel 2: Office-Related Uses (Scheme A) or Retail Uses (Scheme B) – 55 acres

Parcel 2 may be developed under two different development schemes: under Scheme A, it would be developed predominantly for office use; under Scheme B, it would be developed predominantly for retail use. Under Scheme A, Parcel 2 development uses will consist of office space, commercial retail, food and beverage, and hotel uses with a total base entitlement of 2,160,000 GSF of development, excluding parking areas and/or structures. The base entitlement for retail and food and beverage uses will not exceed 150,000 GSF. Hotel

CONCEPTUAL LAND USE PLAN (continued)

development will not exceed 150 rooms. Under Scheme B, Parcel 2 uses will predominantly consist of a mix of retail, food and beverage, and potential office uses that will not exceed 519,000 GSF of development, excluding parking areas and structures. The Parcel will also include open space and automobile and pedestrian circulation elements.

Through operation of the mechanism for transfer of density and use described below, the total square feet of development could be up to 20 percent greater than these base entitlements (in which case the total amount of development in Parcels 1, 3 and the Northwest Office Zone in Parcel 4 would decrease proportionately – by up to 20 percent.)

Parcel 3: Hotel and Office-Related Uses -- 35 acres

Parcel 3 development uses will consist of office space, office user serving retail, food and beverage, and hotel uses, with a total base entitlement of 720,000 GSF of development, excluding parking areas and/or structures. The base entitlement for hotel development will not exceed 150 rooms. Through operation of the mechanism for transfer of density and use described below, the total square feet of development could be up to 20 percent greater than these base entitlements (in which case the total amount of development in Parcels 1, 2 and the Northwest Office Zone in Parcel 4 would decrease proportionately – by up to 20 percent.)

Parcel 4: City Center Mixed-Use Zone and Northwest Office Zone -- 89 acres

Parcel 4 will be a mixed-use development consisting of two zones, the City Center zone and the Northwest Office zone.

The City Center Zone will consist of a wide variety of commercial uses including retail, restaurants, other food and beverage outlets, cinemas, theaters, other entertainment uses, hotels, and will include office space and high-density residential units, for a total development of 2,275,000 GSF, excluding parking areas. The density and use transfer mechanism is not applicable to the City Center Zone.

A series of districts with an urban "main street" feel will be developed. The main street will feature large format retail stores, traditional retail shops and food and beverage spaces at multiple levels along both the north-south and east-west axes. Office development may occur both above the commercial uses and at several specifically identified locations within the City Center. Hotel development of 350 rooms will support the Northwest Office area and office space throughout the four parcels and the City Center commercial uses. Wide sidewalks will allow for easy pedestrian flow, retail kiosks, and outdoor dining. Open spaces will be integrated throughout.

The City Center zone may include any one or a mix of three different types of residential units. One type is a multi-family podium style configuration ranging in height from three to six stories located above retail and/or structured parking. A second type is mid-rise multi-family units of 10-17 stories located above retail and/or structured parking. The third type of residential units is serviced apartments for extended stay visitors located in close proximity to and serviced by a hotel.

CONCEPTUAL LAND USE PLAN (continued)

The Northwest Office Zone will consist of multiple office buildings. The base entitlement for office development in this zone will be 1,984,400 GSF, excluding parking areas and/or structures. Through operation of the mechanism for transfer of density and use described below, the total square feet of development could be up to 20 percent greater than this base entitlements (in which case the total amount of development in Parcels 1, 2 and 3 would decrease proportionately – by up to 20 percent.)

Other Features of the Conceptual Land Use Plan:

- Transfer of Density and Use. For Parcels 1, 2, 3 and the Northwest Office Campus zone of Parcel 4, transfer of density among the four parcels shall be allowed. The developer of each of Parcel 1, 2, 3 and the office zone of Parcel 4 may elect to transfer up to 20 percent of the maximum allowed density of each of the individual Parcels to one or more of the other Parcels.

- Open Space. Large, shared, open spaces will be integrated into the above-described uses throughout the Project.

- Retention Pond Area. The 15-acre north of Parcel 1 and south of I-237 currently used primarily for retention ponds will be held in an 'as is' condition and evaluated through the EIR process for utilization as project related open space and/or habitat mitigation.

INFRASTRUCTURE DEVELOPMENT

The Project will include the construction, and reconstruction, of substantial infrastructure to support the development. These activities will be conducted in accordance with an Infrastructure Master Plan. Infrastructure activities related to the landfill protection systems will be implemented pursuant to plans approved by the appropriate landfill regulatory agencies. The infrastructure activities will include the following:

- Construction of a "structural slab" over the existing landfill cap in the City Center Zone on which improvements will be constructed.

  To reduce the potential for settlement of proposed buildings and other surface improvements and subject to regulatory approval, it is anticipated that the proposed structures will be supported on isolated and continuous spread footings bearing on soil improved using soil-cement mixing or on deep foundations consisting of drilled auger cast in place (ACIP) piles. These foundation options can be designed to address the potential for disturbance and preserve the integrity of the landfill components and the structures built as part of the proposed development.

  In areas with relatively thin refuse (40 feet thick or less) and where relatively lightweight structures are planned, a soil improvement technique known as drilled displacement columns (DDCs) can be used. DDCs are constructed using a

INFRASTRUCTURE DEVELOPMENT (continued)

displacement auger to drill a shaft that is cased to the desired depth. The soil, refuse and leachate, if present, is displaced laterally (up to about 18-inches depending on the auger diameter) and not vertically. CLSM (controlled low strength material), grout or concrete is then injected continuously under pressure as the augers is slowly withdrawn, replacing the soil or refuse displaced by the drilling operation. The CLSM, grout or concrete is injected from the tip of the auger before the auger is raised to prevent any voids from forming. DDCs vary from 18 to 36 inches in diameter with the diameter determined by building loads and number of columns per bearing location. It is anticipated that DDCs will extend through the entire refuse thickness and approximately 5 to 10 feet into the underlying native soil.

Non-displacement or displacement auger cast in place (ACIP) piles are an alternate foundation. ACIP piles are proprietary (typically design-build) and are installed by drilling to the required depth with a hollow-stem, continuous-flight auger. When the auger reaches the required depth, cement grout or concrete is injected through the bottom port of the hollow stem auger. The grout or concrete is injected continuously under pressure as the augers, still rotating in a forward direction, are slowly withdrawn, replacing the soil removed by the drilling operation. While the grout is still fluid, a steel reinforcing cage is inserted into the shaft. ACIP piles can range in diameter; however, 18- and 24-inch-diameter ACIP piles are typical. It is estimated that ACIP piles will need to extend at least 50 feet or more into the native soil below the refuse.

Ground level floor slabs will likely be designed to span over areas of non-support between piles or footings. Hinge slabs at building entrances will need to be incorporated into the design. Utilities entering into buildings will likely be designed to hang beneath the building slab and settlement vaults will be needed where utilities enter the building.

- Construction of new wet and dry utilities, including improving offsite connections where necessary.

  As utility demands/usage estimates for the project are developed, it is anticipated that off-site improvements needs will be defined and coordinated with the City and any other applicable utility companies.

  There are City sanitary sewer, storm water drainage, water (domestic and fire), recycled water, and electric systems within and adjacent to the site.

  The sanitary sewer system includes two lift stations, a pump station and both force and gravity sewers that convey sewage to the existing San Jose/Santa Clara Water Pollution Control located northeast of the site, adjacent to the Bay.

  The storm water drainage system includes gravity underground conveyance piping, surface drainage channels, retention basin and two pump stations that discharge storm water runoff to the east to the Guadalupe River and to the west to San Tomas Aquino Creek.

INFRASTRUCTURE DEVELOPMENT (continued)

The water system includes water mains, hydrants and other appurtenances. The sources for the system available to the City include an extensive local underground aquifer and imported water supplies delivered by two wholesale water agencies: the Santa Clara Valley Water District (SCVWD) and the San Francisco Hetch Hetchy system.

The recycled water system is a third source of water available to the City for irrigation purposes; the source is the San Jose/Santa Clara Water Pollution Control Plant's South Bay Recycled Water facility.

The electric system, Santa Clara's municipal electric utility (dba Silicon Valley Power), includes both overhead and underground facilities.

Utilities will need to be hung below pile-supported structures to avoid damage. Where utilities pass from pile to on-grade support connections capable of extension and vertical movement will be required due to differential movements caused by settlement of the surrounding ground. Settlements vaults (concrete) fitted with a variety of flexible connections (type based on utility) will be located adjacent to the building perimeter at the point of building connection for domestic water, fire suppression system water, sanitary sewer, storm drain roof leaders, electric and telecommunications. Gas meter flexible connections will be mounted above ground on a concrete slab.

Utility corridors will be carefully planned to provide the needed services from the existing infrastructure. These corridors may need a subgrade improvement program to reduce total and differential settlements. A program may include dynamic compaction (DC) and/or surcharging to compact/densify the landfill materials. Utility trenching that penetrates the landfill cap will require excavating and disposing of all the material encountered below the cap. The exposed trench will be lined with a polyethylene liner to reestablish the cap and the trench will be backfilled with clean fill. This will allow for the future maintenance of the utility without encountering landfill material or impacting the cap.

- Relocating, upgrading and/or replacing, as necessary, the existing ground water monitoring network, leachate collection and removal system and landfill gas collection and removal systems.

- Environmental remediation activities, to the extent determined necessary by the appropriate regulatory agencies.

- Construction of major pedestrian and vehicular entrances and roadway networks throughout the project site;

- Demolition and deconstruction of existing buildings, including the buildings associated with the Santa Clara Golf & Tennis Club, and the existing fire station.

Scheme A: Concep ual Land Use Plan

LEGEND

- Podium Residential
- Retail Anchor
- Retail and F&B
- Hotel
- Entertainment
- Office
- ENA Site Boundary
- Development Parcels
- Excluded from Development Site

0 50' 100' 200' 400' 800'

1" = 600'

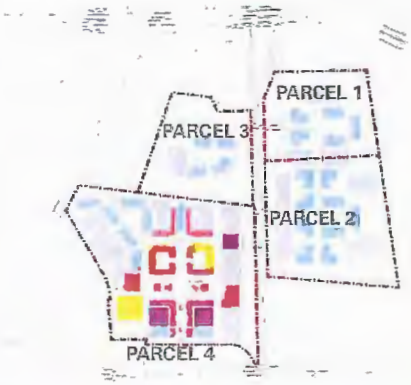
Scheme A: Development Summary Program

Land Use		Floors	SF of Development	Estimated Parking
RESIDENTIAL	(2 apartment buildings , ~1000 sf / unit)	8	540,000 540 units	540
COMMERCIAL USES	(Anchors, Retail, F&B)	1~3	1,255,000	5,020
OFFICE	(16 buildings, 25-40K footprint)	6~8	6,064,400	18,193
HOTEL	(1 building, 860 sf/unit)	8	300,000 350 units	350
ENTERTAINMENT	(3 buildings, 40-60K footprint)	1~2	180,000	1,080
TOTAL			8,339,400 540 residential units	25,183

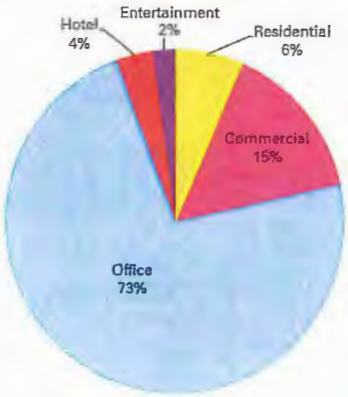
FAR Breakdown by Parcel

	Acreage	Gross Area	FAR
PARCEL 1	36	1,200,000	0.77
PARCEL 2	55	2,160,000	0.90
PARCEL 3	35	720,000	0.47
PARCEL 4	89	4,259,400	1.10
	15		
TOTAL	230	8,339,400	0.83

Key Plan



All Parcel Land Use Distribution



Scheme B: Conceptual Land Use Plan (Retail Center)

LEGEND

- Podium Residential
- Retail Anchor
- Retail and F&B
- Hotel
- Entertainment
- Office
- ENA Site Boundary
- Development Parcels
- Excluded from Development Site

1" = 600'

RELATED **CITY PLACE SANTA CLARA** ELKUS | MANFREDI ARCHITECTS RTKL

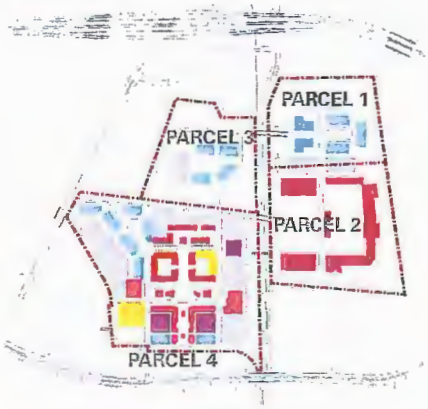
Scheme B: Develo, nent Summary Progra... (Retail Center)

Land Use		Floors	SF of Development	Estimated Parking
RESIDENTIAL	(1 apartment building, 1 serviced apartment building, ~1000 sf / unit)	8	408,000 390 units	390
COMMERCIAL USES	(Anchors, Retail, F&B)	1~3	1,799,000	7,196
OFFICE	(15 buildings, 25-40K footprint)	6~8	3,584,400	10,753
HOTEL	(1 building, 860 sf/unit)	8	300,000 350 units	350
ENTERTAINMENT	(3 buildings, 40-60K footprint)	1~2	180,000	1,080
TOTAL			6,271,400 390 residential units	19,769

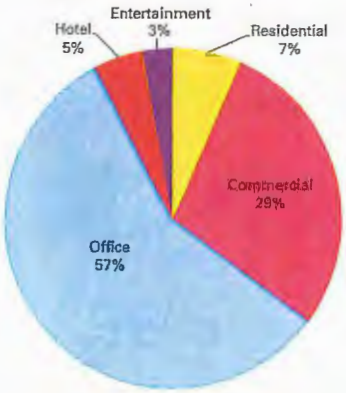
FAR Breakdown by Parcel

	Acreage	Gross Area	FAR
PARCEL 1	36	1,200,000	0.77
PARCEL 2	55	519,000	0.22
PARCEL 3	35	720,000	0.47
PARCEL 4	89	3,832,400	0.99
	15		
TOTAL	230	6,271,400	0.63

Key Plan



All Parcel Land Use Distribution



Native American Consultation – Centennial Gateway

STATE OF CALIFORNIA Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95691
(916) 373-3710
(916) 373-5471-FAX

July 23, 2014

Yen Chen
City of Santa Clara
1500 Warburton Ave
Santa Clara, CA 95050

VIA FAX: 408-247-9857
Number of Pages: 2

RE: Tribal Consultation: Centennial Gateway Mixed Use project, Santa Clara County

Dear Mr. Chen:

Government Code §65352.3 requires local governments to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose of protecting, and/or mitigating impacts to cultural places. Attached is a consultation list of tribes with traditional lands or cultural places located within the requested General Plan boundaries.

As a part of consultation, the NAHC recommends that local governments conduct record searches through the NAHC and California Historic Resources Information System (CHRIS) to determine if any cultural places are located within the area(s) affected by the proposed action. NAHC Sacred Lands File requests must be made in writing. All requests must include: county, USGS quad map name, township, range and section. Local governments should be aware, however, that records maintained by the NAHC and CHRIS are not exhaustive, and a negative response to these searches does not preclude the existence of a cultural place. A tribe may be the only source of information regarding the existence of a cultural place.

If you receive notification of change of addresses and phone numbers from Tribes, please notify me. With your assistance we are able to assure that our consultation list contains current information.

If you have any questions, please contact me at (916) 373-3713.

Sincerely,

Debbie Pilas-Treadway
Enviromental Specialist III

Native American Tribal Consultation List
City of Santa Clara
July 23, 2014

mah MutsunTribal Band
alentin Lopez, Chairperson
.O. Box 5272 Ohlone/Costanoan
ialt , CA 95632 Northern Valley Yokuts
lopez@amahmutsun.org
916) 743-5833

.mah MutsunTribal Band of Mission San Juan Bautista
'ene Zwierlein, Chairperson
'89 Canada Road Ohlone/Costanoan
Woodside , CA 94062
amahmutsuntribal@gmail.com
650) 400-4806 Cell
650) 332-1526 Fax

ndian Canyon Mutsun Band of Costanoan
Ann Marie Sayers, Chairperson
P.O. Box 28 Ohlone/Costanoan
Hollister , CA 95024
ams@indiancanyon.org
(831) 637-4238

Muwekma Ohlone Indian Tribe of the SF Bay Area
Rosemary Cambra, Chairperson
P.O. Box 360791 Ohlone / Costanoan
Milpitas , CA 95036
muwekma@muwekma.org
(408) 205-9714
(510) 581-5194

The Ohlone Indian Tribe
Andrew Galvan
P.O. Box 3152 Ohlone/Costanoan
Fremont , CA 94539 Bay Miwok
chochenyo@AOL.com Plains Miwok
(510) 882-0527 Cell Patwin
(510) 687-9393 Fax

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

July 23, 2014

Amah/Mutsun Tribal Band
Irene Zwierlien, Chairperson
789 Canada Road
Woodside, CA 94062

Re: Centennial Gateway Mixed Use Project / CEQ2014-01178

Dear California Native American Tribe:

Pursuant to Government Code Section 65352.3(a)(1) prior to any amendment of a city's general plan, the city shall contact those California Native American tribes that are on the contact list maintained by the Native American Heritage Commission for the purpose of preserving or mitigating impacts to places, features, and objects described in Sections 5097.9 and 5097.993 of the Public Resources Code that are located within the city's jurisdiction. Your tribe is being contacted because you were on the list provided by the Native American Heritage Commission.

The City of Santa Clara ("City") hereby provides your tribe with notice that the City is considering a general plan amendment for the project located at 5120 Stars and Stripes Drive which is comprised of two City-owned parcels (APNs 104-03-038 and -039) located immediately north of Tasman Drive, on the east and west sides of Centennial Boulevard and a portion of another parcel (APN 104-03-036) located immediately northwest of the other project parcels. The project proposes redevelopment of two City-owned dirt lots and a portion of a developed parcel on the north side of Tasman Drive west of Lafayette Street in the City of Santa Clara. The redevelopment includes demolition of the existing tennis courts and construction of parking structures, a hotel, and office/retail buildings. The project proposes construct between 600,000 and 825,000 square feet of mixed-use development on the project site.

Pursuant to Government Code §65352.3(a)(2) you have 90 days from the date of this letter in which to contact the City and request a consultation for the purpose of preserving or mitigating impacts to places, features, and objects described in the above referenced Public Resources Code sections, which specifically discuss using public property in a way that interferes with the exercise of Native American religion and excavating of Native American historic, cultural or sacred sites that are listed or may be eligible for listing in the California Register of Historical Resources.

If you have any questions or wish to request a consultation please contact Yen Han Chen at (408) 615-2455. If no consultation is requested within 90 days of the date of this letter, the City having satisfied its obligations under Government Code Section 65352.3, will proceed with the Amendment to the General Plan.

Sincerely,

Yen Han Chen
Associate Planner

Attachment: Project Area Map

July 23, 2014

Amah Mutsun Tribal Band
Valentin Lopez, Chairperson
P.O. Box 5272
Galt, CA 95632

Re: Centennial Gateway Mixed Use Project / CEQ2014-01178

Dear California Native American Tribe:

Pursuant to Government Code Section 65352.3(a)(1) prior to any amendment of a city's general plan, the city shall contact those California Native American tribes that are on the contact list maintained by the Native American Heritage Commission for the purpose of preserving or mitigating impacts to places, features, and objects described in Sections 5097.9 and 5097.993 of the Public Resources Code that are located within the city's jurisdiction. Your tribe is being contacted because you were on the list provided by the Native American Heritage Commission.

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Sincerely,

Yen Han Chen
Associate Planner

Attachment: Project Area Map

July 23, 2014

Indian Canyon Mutsun Band of Costanoan
Ann Marie Sayers, Chairperson
P.O. Box 28
Hollister, CA 95024

Re: Centennial Gateway Mixed Use Project / CEQ2014-01178

Dear California Native American Tribe:

Pursuant to Government Code Section 65352.3(a)(1) prior to any amendment of a city's general plan, the city shall contact those California Native American tribes that are on the contact list maintained by the Native American Heritage Commission for the purpose of preserving or mitigating impacts to places, features, and objects described in Sections 5097.9 and 5097.993 of the Public Resources Code that are located within the city's jurisdiction. Your tribe is being contacted because you were on the list provided by the Native American Heritage Commission.

The City of Santa Clara ("City") hereby provides your tribe with notice that the City is considering a general plan amendment for the project located at 5120 Stars and Stripes Drive which is comprised of two City-owned parcels (APNs 104-03-038 and -039) located immediately north of Tasman Drive, on the east and west sides of Centennial Boulevard and a portion of another parcel (APN 104-03-036) located immediately northwest of the other project parcels. The project proposes redevelopment of two City-owned dirt lots and a portion of a developed parcel on the north side of Tasman Drive west of Lafayette Street in the City of Santa Clara. The redevelopment includes demolition of the existing tennis courts and construction of parking structures, a hotel, and office/retail buildings. The project proposes construct between 600,000 and 825,000 square feet of mixed-use development on the project site.

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Sincerely,

Yen Han Chen
Associate Planner

Attachment: Project Area Map

July 23, 2014

Muwekma Ohlone Indian Tribe of the SF Bay Area
Rosemary Cambra, Chairperson
P.O. Box 360791
Milpitas, CA 95036

Re: Centennial Gateway Mixed Use Project / CEQ2014-01178

Dear California Native American Tribe:

Pursuant to Government Code Section 65352.3(a)(1) prior to any amendment of a city's general plan, the city shall contact those California Native American tribes that are on the contact list maintained by the Native American Heritage Commission for the purpose of preserving or mitigating impacts to places, features, and objects described in Sections 5097.9 and 5097.993 of the Public Resources Code that are located within the city's jurisdiction. Your tribe is being contacted because you were on the list provided by the Native American Heritage Commission.

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If you have any questions or wish to request a consultation please contact Yen Han Chen at (408) 615-2455. If no consultation is requested within 90 days of the date of this letter, the City having satisfied its obligations under Government Code Section 65352.3, will proceed with the Amendment to the General Plan.

Sincerely,

Yen Han Chen
Associate Planner

Attachment: Project Area Map

July 23, 2014

Chairman
Native American Heritage Commission
1556 Harbor Boulevard, Suite 100
West Sacramento, CA 95691

Re: Centennial Gateway Mixed Use Project / CEQ2014-01178

Dear California Native American Tribe:

Pursuant to Government Code Section 65352.3(a)(1) prior to any amendment of a city's general plan, the city shall contact those California Native American tribes that are on the contact list maintained by the Native American Heritage Commission for the purpose of preserving or mitigating impacts to places, features, and objects described in Sections 5097.9 and 5097.993 of the Public Resources Code that are located within the city's jurisdiction. Your tribe is being contacted because you were on the list provided by the Native American Heritage Commission.

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If you have any questions or wish to request a consultation please contact Yen Han Chen at (408) 615-2455. If no consultation is requested within 90 days of the date of this letter, the City having satisfied its obligations under Government Code Section 65352.3, will proceed with the Amendment to the General Plan.

Sincerely,

Yen Han Chen
Associate Planner

Attachment: Project Area Map

Appendix 3.8

Tree Assessment Report

Tree Assessment Report

City Place Santa Clara

Prepared for:
ICF International
620 Folsom St., Suite 200
San Francisco, CA 94107

Prepared by:
HortScience, Inc.
325 Ray St.
Pleasanton, CA 94566

April 16, 2015

HORT SCIENCE

Tree Assessment Report
City Place Santa Clara

Executive Summary

ICF International is leading the environmental analysis for a potential development project on largely City of Santa Clara public land. The project site includes the Santa Clara Golf and Tennis Club, the BMX site and the Retention Basin. The project may impact a business park along Calle del Mundo (East Tasman) and part of the convention center parking lot.

HortScience, Inc. was asked to prepare a Tree Assessment Report for the site as part of the environmental review of the project. This report provides an evaluation of the health and structural condition of the trees within and immediately adjacent to the proposed project area based on a visual inspection from the ground.

Trees were assessed in November and December, 2014. The assessment included a visual inspection and inventory of all trees within proposed construction areas measuring 6" and greater in diameter, and off-site trees with portions of their canopies extending onto the development site. Trees were identified by species, tagged, the trunk diameter measured, visually assessed for health and condition, and rated for suitability for preservation. Approximate locations were plotted on an aerial photograph of the site. A Tree Assessment map was prepared for each parcel indicating the suitability for preservation of each tree.

One thousand six hundred sixty-two (1,662) trees, representing 53 species were evaluated. One thousand one hundred fifty-one (1,151) trees were *protected* by the City of Santa Clara because of their species and size. No h*eritage* trees were present. Twenty-two (22) off-site trees were included in the assessment due to their proximity to the project.

The most commonly encountered species were river red gum, red iron bark and Aleppo pine, each with approximately 15% of the tree population. There were 22 trees native to the Bay Area including Western sycamore, Fremont poplar, yellow willow and California buckeye. The most unusual species for the region was chir pine. This tree is very similar in appearance to Canary Island pine, and was probably mistakenly planted for it.

Trees ranged in age from young to mature, with single trunk diameters of 6 to 41 inches; 8% had trunks 24 inches and larger in diameter. Twenty percent of trees had two or more trunks.

A range in tree condition was present: 26% good, 56% fair, and 18% of trees were in poor condition. There were 15 dead trees (1%).

Seven areas comprise the prospective project (Table i). Parcels 1, 2, 3, 4 and Retention Basin are considered the Project Site; there were 1324 trees in that area. East Tasman and the Convention Center, two additional areas that are being considered, had 338 trees.

Each tree was rated for suitability for preservation based on the health, age and structural condition of the tree species, and its potential to remain an asset to the site. Two hundred thirty-three trees (14% of the population) were judged to have high suitability for preservation, 773 (47%) moderate, and 641 (39%) had low suitability.

We consider trees with high suitability for preservation to be the best candidates for preservation. These are trees with good health and structural stability that have the potential for longevity at the site.

Table i. Distribution of Trees by Area. City Place Santa Clara.

Area	Number of Trees	Protected Trees
Parcel 1	109	52
Parcel 2	422	332
Parcel 3	119	61
Parcel 4	659	469
Retention Basin	15	5
Project Site Sub-total	**1324**	**919**
EastTasman	234	153
Convention Center	104	79
Non-project Site Sub-total	**338**	**232**
Total, All Areas	**1662**	**1151**

We do not recommend retention of trees with low suitability for preservation in areas where people or property will be present. Trees in this category are in poor health or have significant defects in structure that cannot be abated with treatment. These trees can be expected to decline regardless of management.

Retention of trees with moderate suitability for preservation depends upon the intensity of proposed site changes. Trees in this category have fair health and/or structural defects that may be abated with treatment. These trees require more intense management and monitoring, and may have shorter life-spans than those in the “high” category.

Detailed site plans have yet to be developed for this project. This report provides information regarding the quality and diversity of the tree resource. We recommend using the tree suitability for preservation ratings as a starting point for identifying good quality trees in locations that can be designed to retain adequate space. General guidelines for tree protection in the design phase are provided.

Tree Assessment Report
City Place Santa Clara

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Exhibits 2-8: Tree Inventory by Parcel: Inventory and Assessment Maps
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Tree Assessment Report
City Place Santa Clara

Introduction and Overview
ICF International is leading the environmental analysis for a potential development project on largely City of Santa Clara public land. The Project Site includes the Santa Clara Golf and Tennis Club (Parcels 2-4), the BMX site (Parcel 1) and the Retention Basin. The project may impact a business park along Calle del Mundo (East Tasman) and part of the convention center parking lot.

HortScience, Inc. was asked to prepare a **Tree Assessment Report** for the site as part of the environmental review of the project. This report provides an evaluation of the health and structural condition of the trees within and immediately adjacent to the proposed project area based on a visual inspection from the ground.

Assessment Methods
Trees were assessed in November and December, 2014. The assessment included all trees within proposed construction areas measuring 6" and greater in diameter, and off-site trees with portions of their canopies extending onto the development site. The assessment procedure consisted of the following steps:

1. Identifying the tree as to species;
2. Tagging each tree with a numerically coded metal tag and recording its location on a map;
3. Measuring the trunk diameter at a point 48" above grade;
4. Evaluating the health and structural condition using a scale of 1 – 5:
   - ***5*** - A healthy, vigorous tree, reasonably free of signs and symptoms of disease, with good structure and form typical of the species.
   - ***4*** - Tree with slight decline in vigor, small amount of twig dieback, minor structural defects that could be corrected.
   - ***3*** - Tree with moderate vigor, moderate twig and small branch dieback, thinning of crown, poor leaf color, moderate structural defects that might be mitigated with regular care.
   - ***2*** - Tree in decline, epicormic growth, extensive dieback of medium to large branches, significant structural defects that cannot be abated.
   - ***1*** - Tree in severe decline, dieback of scaffold branches and/or trunk; most of foliage from epicormics; extensive structural defects that cannot be abated.
5. Rating the suitability for preservation as "high", "moderate" or "low". Suitability for preservation considers the health, age and structural condition of the tree species, and its potential to remain an asset to the site.
   - ***High***: Trees with good health and structural stability that have the potential for longevity at the site.
   - ***Moderate***: Trees with somewhat declining health and/or structural defects than can be abated with treatment. The tree will require more intense management and monitoring, and may have shorter life span than those in 'high' category.
   - ***Low***: Trees in poor health or with significant structural defects that cannot be mitigated. Tree is expected to continue to decline, regardless of treatment.

Description of Trees

One thousand six hundred sixty-two (1,662) trees representing 53 species were evaluated (**Table 1**). Twenty-two (22) off-site trees were included in the assessment due to their proximity to the project (#161, 217-221, 899, 1100, 1101, 1109, 1117, 1124, 1130, 1134, 1135, 1241, 1242 and 1259-1263). Descriptions of each tree are found in the ***Tree Assessment Data*** (Exhibit 9) and approximate locations are plotted on the ***Tree Inventory Map*** (Exhibits 2-8). Photographs of representative trees are provided in Exhibit 1.

Trees ranged in age from young to mature, with single trunk diameters of 6 to 41 inches; 8% had trunks 24 inches and larger in diameter. Twenty percent of trees had two or more trunks. A range in tree condition was noted: 26% good, 56% fair, and 18% of trees were in poor condition. There were 15 dead trees (1%).

Table 1. Condition ratings and frequency of occurrence of all trees. City Place Santa Clara.

Common Name	Scientific Name	Condition				Total
		Dead (0)	Poor (1-2)	Fair (3)	Good (4-5)	
Blackwood acacia	*Acacia melanoxylon*	-	13	15	6	**34**
California buckeye	*Aesculus californica*	-	-	-	1	**1**
African fern pine	*Afrocarpus falcatus*	-	1	3	-	**4**
River she-oak	*Allocasuarina cunninghamiana*	-	4	31	15	**50**
Incense cedar	*Calocedrus decurrens*	-	-	1	-	**1**
Hackberry	*Celtis occidentalis*	-	-	1	-	**1**
Carob	*Ceratonia siliqua*	-	20	23	8	**51**
Spotted gum	*Corymbia maculata*	-	-	-	1	**1**
River red gum	*Eucalyptus camaldulensis*	1	53	164	37	**255**
Bushy yate	*Eucalyptus conferruminata*	-	1	-	-	**1**
Blue gum	*Eucalyptus globulus*	1	-	3	1	**5**
Compact blue gum	*Eucalyptus globulus* 'Compacta'	6	12	30	16	**64**
White ironbark	*Eucalyptus leucoxylon*	-	-	1	-	**1**
Honey box	*Eucalyptus melliodora*	-	3	8	-	**11**
Nichol's willowleafed peppermint	*Eucalyptus nicholii*	2	3	4	8	**17**
Silver dollar gum	*Eucalyptus polyanthemos*	-	8	18	13	**39**
Flooded gum	*Eucalyptus rudis*	-	-	-	3	**3**
Red ironbark	*Eucalyptus sideroxylon*	2	42	174	33	**251**
Manna gum	*Eucalyptus viminalis*	-	6	5	1	**12**
Raywood ash	*Fraxinus angustifolia* 'Raywood'	-	4	18	1	**23**
Evergreen ash	*Fraxinus uhdei*	-	10	35	17	**62**
Australian willow	*Geijera parviflora*	-	-	5	-	**5**

Common Name	Scientific Name	Condition				Total
		Dead (0)	Poor (1-2)	Fair (3)	Good (4-5)	
Hollywood juniper	*Juniperus chinensis* 'Kaizuka'	-	-	-	1	**1**
Sweetgum	*Liquidambar styraciflua*	-	-	-	4	**4**
Bottlebrush	*Melaleuca citrina*	-	-	3	1	**4**
Myoporum	*Myoporum laetum*	-	10	45	12	**67**
Olive	*Olea europaea*	-	1	11	21	**33**
Canary Island date palm	*Phoenix canariensis*	-	-	4	6	**10**
Canary Island pine	*Pinus canariensis*	-	1	12	33	**46**
Aleppo pine	*Pinus halepensis*	3	79	171	16	**269**
Italian stone pine	*Pinus pinea*	-	-	7	3	**10**
Monterey pine	*Pinus radiata*	-	-	5	2	**7**
Chir pine	*Pinus roxburghii*	-	17	55	21	**93**
Chinese pistache	*Pistacia chinensis*	-	-	1	-	**1**
Victorian box	*Pittosporus undulatum*	-	-	1	-	**1**
Western sycamore	*Platanus racemosa*	-	3	1	14	**18**
London plane	*Platanus x hispanica*	-	1	5	14	**20**
Fremont cottonwood	*Populus fremontii*	-	-	3	6	**9**
Cherry	*Prunus avium*	-	1	1	-	**2**
Purpleleaf plum	*Prunus cerasifera*	-	-	1	-	**1**
Callery pear	*Pyrus calleryana*	-	4	23	10	**37**
Evergreen pear	*Pyrus kawakamii*	-	-	1	1	**2**
Yellow willow	*Salix lasiandra*	-	1	3	-	**4**
Elderberry	*Sambucus mexicana*	-	-	-	1	**1**
California pepper	*Schinus molle*	-	-	5	2	**7**
Coast redwood	*Sequoia sempervirens*	-	4	9	9	**22**
Queen palm	*Syagrus romanzoffianum*	-	-	1	-	**1**
Australian bush cherry	*Syzygium paniculatum*	-	-	-	1	**1**
Windmill palm	*Trachycarpus fortunei*	-	-	1	1	**2**
Water gum	*Tristaniopsis laurina*	-	-	4	33	**37**
Siberian elm	*Ulmus pumila*	-	-	4	1	**5**
Mexican fan palm	*Washingtonia robusta*	-	-	1	44	**45**
Zelkova	*Zelkova serrata*	-	1	7	2	**10**
Total		**15**	**302**	**925**	**420**	**1662**
		1%	**18%**	**56%**	**26%**	

Description of trees by area

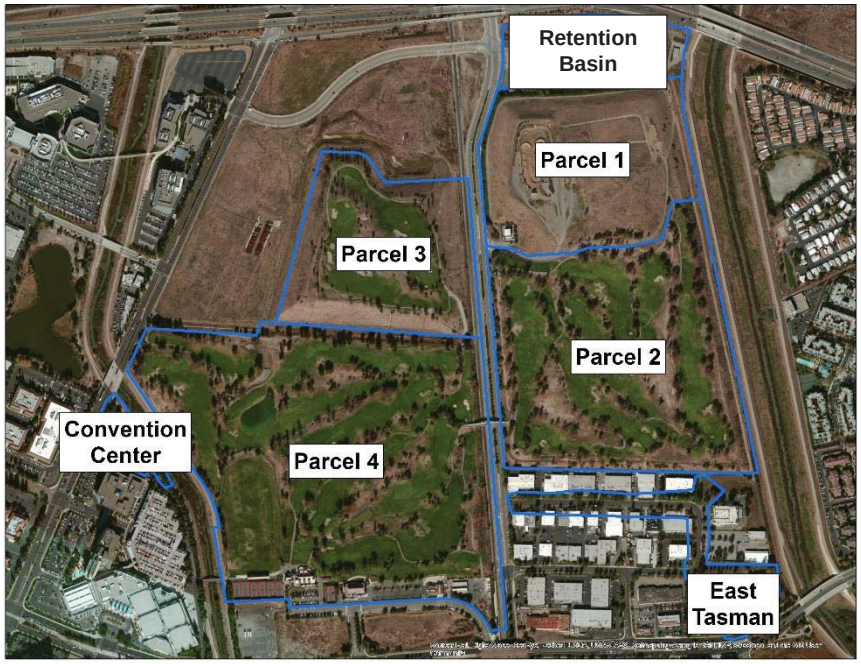
The Project Site and surrounding areas that were surveyed for this report are shown in Table 2 and Fig. 1. Parcels 1, 2, 3, 4 and Retention Basin are considered the Project Site; there were 1324 trees in that area. East Tasman and the Convention Center, two additional areas that are being considered, had 338 trees.

The City of Santa Clara General Plan 5.10.1-P4 defines *protected tree*s as. "healthy cedars, redwoods, oaks, olives, bay laurel and pepper trees of any size, and all other trees over 36 inches in circumference measured from 48 inches above-grade on private and public property as well as in the public right-of-way". By this definition, there were 1151 *protected trees* at the Project Site and the off-site areas. Heritage trees are specific trees adopted by the City of Santa Clara and listed in the General Plan Appendix 8.10. There were no *heritage trees* identified at the Project Site and off-site areas.

Table 2. Distribution of trees by area. City Place Santa Clara.

Area	Number of Trees	Protected Trees
Parcel 1	109	52
Parcel 2	422	332
Parcel 3	119	61
Parcel 4	659	469
Retention Basin	15	5
Project Site Sub-total	**1324**	**919**
East Tasman	234	153
Convention Center	104	79
Non-project Site Sub-total	**338**	**232**
Total, All Areas	**1662**	**1151**

Fig. 1. Area designations for City Place Santa Clara



Project Site: Parcels 1-4 and Retention Basin

The Project Site, which consists of the golf course and tennis club (Parcels 2-4), BMX course (Parcel 1) and Retention Basin, is divided into five areas. Together the Project Site contained 1,324 trees, including 919 *protected* trees (**Table 3)**. The majority of trees within the Project Site were in fair condition (57%), with 25% in good condition and 17% in poor condition.

Table 3. Condition ratings and frequency of occurrence of Project Site trees. City Place Santa Clara.

Common Name	Scientific Name	Condition				Total
		Dead (0)	Poor (1-2)	Fair (3)	Good (4-5)	
Blackwood acacia	*Acacia melanoxylon*	-	1	7	3	**11**
California buckeye	*Aesculus californica*	-	-	-	1	**1**
River she-oak	*Allocasuarina cunninghamiana*	-	4	31	15	**50**
Incense cedar	*Calocedrus decurrens*	-	-	1	-	**1**
Hackberry	*Celtis occidentalis*	-	-	1	-	**1**
Carob	*Ceratonia siliqua*	-	10	13	4	**27**
Spotted gum	*Corymbia maculata*	-	-	-	1	**1**
River red gum	*Eucalyptus camaldulensis*	1	53	164	37	**255**
Bushy yate	*Eucalyptus conferruminata*	-	1	-	-	**1**
Blue gum	*Eucalyptus globulus*	1	-	3	1	**5**
Compact blue gum	*Eucalyptus globulus* 'Compacta'	6	12	30	16	**64**
Nichol's willowleafed peppermint	*Eucalyptus nicholii*	2	2	2	8	**14**
Silver dollar gum	*Eucalyptus polyanthemos*	-	8	18	13	**39**
Flooded gum	*Eucalyptus rudis*	-	-	-	3	**3**
Red ironbark	*Eucalyptus sideroxylon*	2	41	172	33	**248**
Manna gum	*Eucalyptus viminalis*	-	6	5	1	**12**
Raywood ash	*Fraxinus angustifolia* 'Raywood'	-	-	-	1	**1**
Evergreen ash	*Fraxinus uhdei*	-	4	19	11	**34**
Australian willow	*Geijera parviflora*	-	-	5	-	**5**
Bottlebrush	*Melaleuca citrina*	-	-	3	1	**4**
Myoporum	*Myoporum laetum*	-	10	44	12	**66**
Olive	*Olea europaea*	-	-	9	19	**28**
Canary Island date palm	*Phoenix canariensis*	-	-	4	6	**10**
Canary Island pine	*Pinus canariensis*	-	1	10	32	**43**
Aleppo pine	*Pinus halepensis*	3	52	121	12	**188**
Italian stone pine	*Pinus pinea*	-	-	7	3	**10**
Monterey pine	*Pinus radiata*	-	-	1	2	**3**
Chir pine	*Pinus roxburghii*	-	17	55	21	**93**

Common Name	Scientific Name	Condition				Total
		Dead (0)	Poor (1-2)	Fair (3)	Good (4-5)	
Victorian box	*Pittosporus undulatum*	-	-	1	-	**1**
Western sycamore	*Platanus racemosa*	-	3	1	14	**18**
Fremont cottonwood	*Populus fremontii*	-	-	3	6	**9**
Cherry	*Prunus avium*	-	1	1	-	**2**
Callery pear	*Pyrus calleryana*	-	1	3	8	**12**
Evergreen pear	*Pyrus kawakamii*	-	-	1	1	**2**
Yellow willow	*Salix lasiandra*	-	1	3	-	**4**
Elderberry	*Sambucus mexicana*	-	-	-	-	**1**
California pepper	*Schinus molle*	-	-	5	2	**7**
Coast redwood	*Sequoia sempervirens*	-	-	1	-	
Queen palm	*Syagrus romanzoffianum*	-	-	1	-	**1**
Siberian elm	*Ulmus pumila*	-	-	4	1	**5**
Mexican fan palm	*Washingtonia robusta*	-	-	1	42	**43**
Total		**15**	**228**	**750**	**331**	**1324**
		1%	**17%**	**57%**	**25%**	

Parcel 1

Parcel 1 consists the BMX course. This parcel contained 109 trees, including 52 *protected* trees. Half of the trees were in fair condition; 37% in poor; and 13% in good condition (**Table 4)**. The parcel was dominanted by two species: 44 Aleppo pines lined the northern and western boundaries and 40 river red gums lined the southern boundary. The majority of the remaining trees circled the BMX course. California pepper trees lined a building in the south western corner of the property.

Table 4. Condition ratings and frequency of occurrence of Parcel 1 trees. City Place Santa Clara.

Common Name	Scientific Name	Condition			Total
		Poor (1-2)	Fair (3)	Good (4-5)	
Hackberry	*Celtis occidentalis*	-	1	-	**1**
River red gum	*Eucalyptus camaldulensis*	11	29	-	**40**
Evergreen ash	*Fraxinus uhdei*	-	1	-	**1**
Aleppo pine	*Pinus halepensis*	29	15	-	**44**
Italian stone pine	*Pinus pinea*	-	3	1	**4**
Fremont cottonwood	*Populus fremontii*	-	-	1	**1**
Yellow willow	*Salix lasiandra*	-	1	-	**1**

Common Name	Scientific Name	Condition			Total
		Poor (1-2)	Fair (3)	Good (4-5)	
California pepper	*Schinus molle*	-	5	2	**7**
Mexican fan palm	*Washingtonia robusta*	-	-	10	**10**
Total		**40**	**55**	**14**	**109**
		37%	**50%**	**13%**	

Parcel 2

Parcel 2 is the portion of the golf course that is south of the BMX course (Parcel 1). It contained 422 trees, including 326 protected trees. The trees were mostly in fair condition (61%) with 21% in good condition and 16% in poor condition (**Table 5**).

The most common tree in Parcel 2 was red ironbark (166), followed by river red gum (49 trees), Aleppo pine (39 trees) and chir pine (37 trees). This was the only parcel that was heavily dominated by red ironbark. Many dense, bushy Aleppo pines grew along the western boundary of Parcel 2. Two Bay Area native species were present on Parcel 2: California buckeye and western sycamore.

Table 5. Condition ratings and frequency of occurrence of Parcel 2 trees. City Place Santa Clara.

Common Name	Scientific Name	Condition				Total
		Dead (0)	Poor (1-2)	Fair (3)	Good (4-5)	
California buckeye	*Aesculus californica*	-	-	-	1	**1**
River she-oak	*Allocasuarina cunninghamiana*	-	3	2	1	**6**
Incense cedar	*Calocedrus decurrens*	-	-	1	-	**1**
Carob	*Ceratonia siliqua*	-	-	1	-	**1**
River red gum	*Eucalyptus camaldulensis*	1	10	30	8	**49**
Bushy yate	*Eucalyptus conferruminata*	-	1	-	-	**1**
Blue gum	*Eucalyptus globulus*	1	-	3	1	**5**
Compact blue gum	*Eucalyptus globulus* 'Compacta'	1	1	-	2	**4**
Nichol's willowleafed peppermint	*Eucalyptus nicholii*	1	-	-	2	**3**
Silver dollar gum	*Eucalyptus polyanthemos*	-	-	-	1	**1**
Red ironbark	*Eucalyptus sideroxylon*	1	31	123	11	**166**
Manna gum	*Eucalyptus viminalis*	-	3	1	-	**4**
Evergreen ash	*Fraxinus uhdei*	-	1	11	7	**19**
Australian willow	*Geijera parviflora*	-	-	4	-	**4**
Bottlebrush	*Melaleuca citrina*	-	-	3	1	**4**

Common Name	Scientific Name	Condition				Total
		Dead (0)	Poor (1-2)	Fair (3)	Good (4-5)	
Myoporum	*Myoporum laetum*	-	4	16	6	**26**
Olive	*Olea europaea*	-	-	2	12	**14**
Canary Island date palm	*Phoenix canariensis*	-	-	-	1	**1**
Canary Island pine	*Pinus canariensis*	-	1	5	10	**16**
Aleppo pine	*Pinus halepensis*	1	-	33	5	**39**
Italian stone pine	*Pinus pinea*	-	-	2	1	**3**
Chir pine	*Pinus roxburghii*	-	10	20	7	**37**
Western sycamore	*Platanus racemosa*	-	3	-	3	**6**
Evergreen pear	*Pyrus kawakamii*	-	-	1	1	**2**
Queen palm	*Syagrus romanzoffianum*	-	-	1	-	**1**
Mexican fan palm	*Washingtonia robusta*	-	-	-	8	**8**
Total		**6**	**68**	**259**	**89**	**422**
		1%	**16%**	**61%**	**21%**	

Parcel 3

Of the three parcels within the golf course, Parcel 3 was the smallest. It is located on the western side of Lafayette Street west of Parcels 1 and 2. This parcel is substantially higher in elevation than the other parcels and appears to be newer than the other areas of the golf course.

Parcel 3 contained the least number of trees: 119, 61 of which were *protected* trees (Table 6). The trees were generally in better condition than elsewhere on the golf course: 56% of trees were in fair condition, 35% were in good condition and 8% were in poor condition. As in other parcels of the golf course, the most common species were river red gum (67 trees) and red ironbark (41 trees). Eight Fremont cottonwoods were the only Bay Area native trees on Parcel 3.

Table 6. Condition ratings and frequency of occurrence of Parcel 3 trees. City Place Santa Clara.

Common Name	Scientific Name	Condition			Total
		Poor (1-2)	Fair (3)	Good (4-5)	
River red gum	*Eucalyptus camaldulensis*	6	41	20	**67**
Red ironbark	*Eucalyptus sideroxylon*	4	23	14	**41**
Myoporum	*Myoporum laetum*	-	-	1	**1**
Spotted gum	*Corymbia maculata*	-	-	1	**1**

Common Name	Scientific Name	Condition			Total
		Poor (1-2)	Fair (3)	Good (4-5)	
Fremont cottonwood	*Populus fremontii*	-	3	5	**8**
Mexican fan palm	*Washingtonia robusta*	-	-	1	**1**
Total		**10**	**67**	**42**	**119**
		8%	**56%**	**35%**	

Parcel 4

Of the three parcels in the golf course, Parcel 4 was the largest and included the club house, tennis courts, and main entrance. In addition to the golf course this parcel included the trees along Great America Parkway, off-site trees in the northwestern corner and trees along the streets that could be impacted by the Project, parking lots, maintenance yard and fire station south of the golf course.

Six hundred fifty-nine (659) trees were in Parcel 4, including 469 protected trees **(Table 7)**. Most of the trees were in fair condition (55%) with 28% in good condition and 16% in poor condition.

This area of the golf course was more diverse than other areas with no species making up more than 16% of the population. Aleppo pine (105 trees), River red gum (94 trees), compact blue gum (60 trees) and chir pine (56 trees) were the most common trees. The Aleppo pines tended to be poorly rooted; many had partially failed in the sandy soil. Chir pine is an unusual species that looks very similar to Canary Island pine; it was likely misidentified as Canary Island pine when it was planted. It was suffering from salt stress most likely due to irrigation with recycled water and drainage problems on the golf course.

Table 7. Condition ratings and frequency of occurrence of Parcel 4 trees. City Place, Santa Clara, CA.

Common Name	Scientific Name	Condition				Total
		Dead (0)	Poor (1-2)	Fair (3)	Good (4-5)	
Blackwood acacia	*Acacia melanoxylon*	-	1	7	3	**11**
River she-oak	*Allocasuarina cunninghamiana*	-	1	29	14	**44**
Carob	*Ceratonia siliqua*	-	10	12	4	**26**
River red gum	*Eucalyptus camaldulensis*	-	23	62	9	**94**
Compact blue gum	*Eucalyptus globulus* 'Compacta'	5	11	30	14	**60**
Nichol's willowleafed peppermint	*Eucalyptus nicholii*	1	2	2	6	**11**
Silver dollar gum	*Eucalyptus polyanthemos*	-	8	18	12	**38**
Flooded gum	*Eucalyptus rudis*	-	-	-	3	**3**
Red ironbark	*Eucalyptus sideroxylon*	1	6	26	8	**41**

Common Name	Scientific Name	Condition				Total
		Dead (0)	Poor (1-2)	Fair (3)	Good (4-5)	
Manna gum	*Eucalyptus viminalis*	-	3	4	1	**8**
Raywood ash	*Fraxinus angustifolia* 'Raywood'	-	-	-	1	**1**
Evergreen ash	*Fraxinus uhdei*	-	3	7	4	**14**
Australian willow	*Geijera parviflora*	-	-	1	-	**1**
Myoporum	*Myoporum laetum*	-	6	28	5	**39**
Olive	*Olea europaea*	-	-	7	7	**14**
Canary Island date palm	*Phoenix canariensis*	-	-	4	5	**9**
Canary Island pine	*Pinus canariensis*	-	-	5	22	**27**
Aleppo pine	*Pinus halepensis*	2	23	73	7	**105**
Italian stone pine	*Pinus pinea*	-	-	2	1	**3**
Monterey pine	*Pinus radiata*	-	-	1	2	**3**
Chir pine	*Pinus roxburghii*	-	7	35	14	**56**
Victorian box	*Pittosporus undulatum*	-	-	1	-	**1**
Western sycamore	*Platanus racemosa*	-	-	1	11	**12**
Cherry	*Prunus avium*	-	1	1	-	**2**
Callery pear	*Pyrus calleryana*	-	1	2	1	**4**
Yellow willow	*Salix lasiandra*	-	1	-	-	**1**
Elderberry	*Sambucus mexicana*	-	-	-	1	**1**
Coast redwood	*Sequoia sempervirens*	-	-	1	-	**1**
Siberian elm	*Ulmus pumila*	-	-	4	1	**5**
Mexican fan palm	*Washingtonia robusta*	-	-	1	23	**24**
Total		**9**	**107**	**364**	**179**	**659**
		1%	**16%**	**55%**	**27%**	

Retention Basin

The Retention Basin contained 15 trees, five of which are protected trees (**Table 8**). Large river red gums surrounded the infrastructure in the south western corner of the area. A line of Callery pears bordered the bike path in the north western corner of the Retention Basin. Two willows were growing along the edge of the basin.

Table 8. Condition ratings and frequency of occurrence of Retention Basin trees. City Place, Santa Clara, CA.

Common Name	Scientific Name	Condition			Total
		Poor (1-2)	Fair (3)	Good (4-5)	
River red gum	*Eucalyptus camaldulensis*	3	2	-	**5**
Callery pear	*Pyrus calleryana*	-	1	7	**8**
Yellow willow	*Salix lasiandra*	-	2	-	**2**
Total		**3**	**5**	**7**	**15**
		20%	**33%**	**47%**	

East Tasman

Trees in a business park at 2101 Tasman Drive and along Calle del Mundo were assessed. This area included 234 trees that were in fair (49%) to good (34%) condition with 17% in poor condition (Table 9). The most common species were water gum (37 trees), evergreen ash (28 trees) and Callery pear (25 trees). No trees native to the site were present, and 153 trees qualified as *Protected*.

Table 9. Condition ratings and frequency of occurrence of East Tasman trees. City Place Santa Clara.

Common Name	Scientific Name	Condition			Total
		Poor (1-2)	Fair (3)	Good (4-5)	
Blackwood acacia	*Acacia melanoxylon*	12	8	3	**23**
African fern pine	*Afrocarpus falcatus*	1	3	-	**4**
White ironbark	*Eucalyptus leucoxylon*	-	1	-	**1**
Honey box	*Eucalyptus melliodora*	3	8	-	**11**
Nichol's willowleafed peppermint	*Eucalyptus nicholii*	1	2	-	**3**
Red ironbark	*Eucalyptus sideroxylon*	1	2	-	**3**
Raywood ash	*Fraxinus angustifolia* 'Raywood'	4	18	-	**22**
Evergreen ash	*Fraxinus uhdei*	6	16	6	**28**
Hollywood juniper	*Juniperus chinensis* 'Kaizuka'	-	-	1	**1**
Sweetgum	*Liquidambar styraciflua*	-	-	4	**4**
Myoporum	*Myoporum laetum*	-	1	-	**1**
Olive	*Olea europaea*	1	2	2	**5**
Canary Island pine	*Pinus canariensis*	-	2	1	**3**
Aleppo pine	*Pinus halepensis*	2	1	-	**3**
Monterey pine	*Pinus radiata*	-	4	-	**4**

Common Name	Scientific Name	Condition			Total
		Poor (1-2)	Fair (3)	Good (4-5)	
Chinese pistache	*Pistacia chinensis*	-	1	-	**1**
London plane	*Platanus* x *hispanica*	1	5	14	**20**
Purpleleaf plum	*Prunus cerasifera*	-	1	-	**1**
Callery pear	*Pyrus calleryana*	3	20	2	**25**
Coast redwood	*Sequoia sempervirens*	3	9	9	**21**
Australian bush cherry	*Syzygium paniculatum*	-	-	1	**1**
Water gum	*Tristaniopsis laurina*	-	4	33	**37**
Mexican fan palm	*Washingtonia robusta*	-	-	2	**2**
Zelkova	*Zelkova serrata*	1	7	2	**10**
Total		**39**	**115**	**80**	**234**
		17%	**49%**	**34%**	

Convention Center

Trees in a small triangular piece of the Convention Center parking lot were assessed. This area included 104 trees and were in fair (60%) to poor (34%) condition with 9% in good condition (Table 9). Aleppo pines (78 trees) lined the outside of the parking lot and carobs filled the parking lot islands. No trees native to the site were present, and 79 trees qualified as *Protected*.

Table 10. Condition ratings and frequency of occurrence of Convention Center trees. City Place Santa Clara.

Common Name	Scientific Name	Condition			Total
		Poor (1-2)	Fair (3)	Good (4-5)	
Carob	*Ceratonia siliqua*	10	10	4	**24**
Aleppo pine	*Pinus halepensis*	25	49	4	**78**
Windmill palm	*Trachycarpus fortunei*	-	1	1	**2**
Total		**35**	**60**	**9**	**104**
		34%	**58%**	**8%**	

Tree Suitability for Preservation

When determining which trees to preserve on a project, it is important to consider the quality of the tree resource itself, and the potential for individual trees to function well over an extended length of time. Trees that are preserved on development sites must be carefully selected to provide greater assurance that they will survive development impacts, adapt to a new environment, and perform well in the landscape.

Our goal is to identify trees that have the potential for long-term health, structural stability and longevity. Evaluation of suitability for preservation considers several factors:

- **Tree health**
  Healthy, vigorous trees are better able to tolerate impacts such as root injury, demolition of existing structures, changes in soil grade and moisture, and soil compaction than are non-vigorous trees.

- **Structural integrity**
  Trees with significant amounts of wood decay and other structural defects that cannot be corrected are likely to fail. Such trees should not be preserved in areas where damage to people or property is likely. Trees with decay or poor branch attachments are not good candidates for preservation.

- **Species response**
  There is a wide variation in the response of individual species to construction impacts and changes in the environment. In general, coast redwood and London plane are relatively tolerant of construction impacts and site changes while Aleppo pine and Monterey pine are less tolerant.

- **Tree age and longevity**
  Old trees, while having significant emotional and aesthetic appeal, have limited physiological capacity to adjust to an altered environment. Young trees are better able to generate new tissue and respond to change.

- **Invasiveness**
  Species that spread across a site and displace desired vegetation are not always appropriate for retention. This is particularly true when indigenous species are displaced. The California Invasive Plant Inventory Database (http://www.cal-ipc.org/paf/) lists species identified as being invasive. Santa Clara is part of the Central West Floristic Province. Blackwood acacia, river red gum, olive, Canary Island date palm, purpleleaf plum and California pepper have a “limited” invasiveness rating while myoporum and Mexican fan palm have a “moderate” rating.

Each tree was rated for suitability for preservation based upon its age, health, structural condition and ability to safely coexist within a development environment (except for the 15 dead trees). Table 11 (following page) provides a summary of suitability ratings. Suitability ratings for individual trees are provided in the ***Tree Assessment Forms,*** and plotted on the ***Tree Assessment Map*** for each area (see Exhibits).

We consider trees with high suitability for preservation to be the best candidates for preservation. We do not recommend retention of trees with low suitability for preservation in areas where people or property will be present. Retention of trees with moderate suitability for preservation depends upon the intensity of proposed site changes.

Table 11: Tree suitability for preservation. City Place Santa Clara

High	These are trees with good health and structural stability that have the potential for longevity at the site. Two hundred thirty-three (233, 14%) trees were highly suitable for preservation.
Moderate	Trees in this category have fair health and/or structural defects that may be abated with treatment. These trees require more intense management and monitoring, and may have shorter life-spans than those in the "high" category. Seven hundred seventy-three (773, 47%) trees were of moderate suitability for preservation.
Low	Trees in this category are in poor health or have significant defects in structure that cannot be abated with treatment. Six hundred forty-one (641, 39%) trees had low suitability for preservation.

Common Name	**Suitability for Preservation**			**Total**
	Low	Moderate	High	
African fern pine	4	-	-	**4**
Aleppo pine	158	103	5	**266**
Australian bush cherry	-	-	1	**1**
Australian willow	-	5	-	**5**
Blackwood acacia	19	14	1	**34**
Blue gum	-	4	-	**4**
Bottlebrush	-	4	-	**4**
Bushy yate	1	-	-	**1**
California buckeye	-	-	1	**1**
California pepper	-	6	1	**7**
Callery pear	13	23	1	**37**
Canary Island date palm	-	5	5	**10**
Canary Island pine	5	13	28	**46**
Carob	30	21	-	**51**
Cherry	1	1	-	**2**
Chinese pistache	1	-	-	**1**
Chir pine	42	43	8	**93**
Coast redwood	3	1	8	**22**
Compact blue gum	21	28	9	**58**
Elderberry	-	-	1	**1**
Evergreen ash	17	36	9	**62**
Evergreen pear	1	-	1	**2**
Flooded gum	-	1	2	**3**
Fremont cottonwood	-	3	6	**9**
Hackberry	-	1	-	**1**

Common Name	Suitability for Preservation			Total
	Low	Moderate	High	
Hollywood juniper	-	1	-	**1**
Honey box	8	3	-	**11**
Incense cedar	1	-	-	**1**
Italian stone pine	1	8	1	**10**
London plane	1	7	12	**20**
Manna gum	9	3	-	**12**
Mexican fan palm	-	11	34	**45**
Monterey pine	4	2	1	**7**
Myoporum	32	34	1	**67**
Nichol's willowleafed peppermint	5	7	3	**15**
Olive	2	15	16	**33**
Purpleleaf plum	-	1	-	**1**
Queen palm	-	1	-	**1**
Raywood ash	13	9	1	**23**
Red ironbark	101	137	11	**249**
River red gum	109	133	12	**254**
River she-oak	16	23	11	**50**
Siberian elm	2	3	-	**5**
Silver dollar gum	14	18	7	**39**
Spotted gum	-	-	1	**1**
Sweetgum	-	-	4	**4**
Victorian box	-	1	-	**1**
Water gum	-	18	19	**37**
Western sycamore	3	5	10	**18**
White ironbark	-	1	-	**1**
Windmill palm	-	1	1	**2**
Yellow willow	2	2	-	**4**
Zelkova	2	7	1	**10**
Total	**641**	**773**	**233**	**1647***
	39%	**47%**	**14%**	

*Does not include 15 dead trees.

Tree Preservation and Protection

Detailed site plans have yet to be developed for this project. This report provides information regarding the quality and diversity of the tree resource. We recommend using the tree suitability for preservation ratings as a starting point for identifying good quality trees in locations that can be designed to retain adequate space. General guidelines for tree protection in the design phase are provided below.

1. Plot accurate locations of all trees to be preserved on all project plans. Identify the **TREE PROTECTION ZONE** for each tree. Focus on preserving trees that have high suitability for preservation.
2. Plan for tree preservation by designing adequate space around trees to be preserved. This is the **TREE PROTECTION ZONE:** No grading, excavation, construction or storage of materials should occur within that zone. Route underground services including utilities, sub-drains, water or sewer around the **TREE PROTECTION ZONE**. For design purposes, the **TREE PROTECTION ZONE** is defined as each tree's dripline.
3. Consider the vertical clearance requirements near trees during design. Avoid designs that would require pruning more than 20% of a tree's canopy.
4. All plans affecting trees should be reviewed by the Consulting Arborist with regard to tree impacts. These include, but are not limited to, demolition plans, grading plans, drainage plans, utility plans, and landscape and irrigation plans.
5. Any herbicides placed under paving materials must be safe for use around trees and labeled for that use.
6. Irrigation systems must be designed so that no trenching that severs roots larger than 1" diameter will occur within the **TREE PROTECTION ZONE**.
7. As trees withdraw water from the soil, expansive soils may shrink within the root area. Therefore, foundations, footings and pavements on expansive soils near trees should be designed to withstand differential displacement.
8. Do not lime the subsoil within 50' of any tree. Lime is toxic to tree roots.
9. Ensure adequate but not excessive water is supplied to trees; in most cases occasional irrigation will be required. Avoid directing runoff toward trees.
10. **Tree Preservation Notes** which include specifications for tree protection during demolition and construction, prepared by the Consulting Arborist, should be included on all plans.

Once plans have been developed and reviewed by the Project Arborist, appropriate recommendations for tree preservation and removal will be provided.

HortScience, Inc.

Ryan Gilpin, M.S.
Certified Arborist #WE-10268A

Exhibit 1

Photographs of Representative Trees

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Photo 1—View from Parcel 3 to Parcel 4. Trees include *Eucalyptus* and pine species.

Photo 2—View of a pond in Parcel 4 within the golf course. Trees are primarily *Eucalytpus* species.

Photo 3—River red gum #280 is a representative example of the most common species assessed.

Photo 4— Red ironbark #556 is a representative example of the second most common species.

Photo 5— Nichol's willowleaf peppermint #329 is an example of a mature tree in good condition with high suitability for preservation.

Photo 6—River red gum #300 is an example of a tree in poor condition with low suitability for preservation. Note the dead branches and lack of foliage in the crown.

Photo 7—Western sycamore #1051 is an example of a native tree. It is in poor condition because of anthracnose disease that causes foliage, twigs and branches to die. This is a common disease in the region.

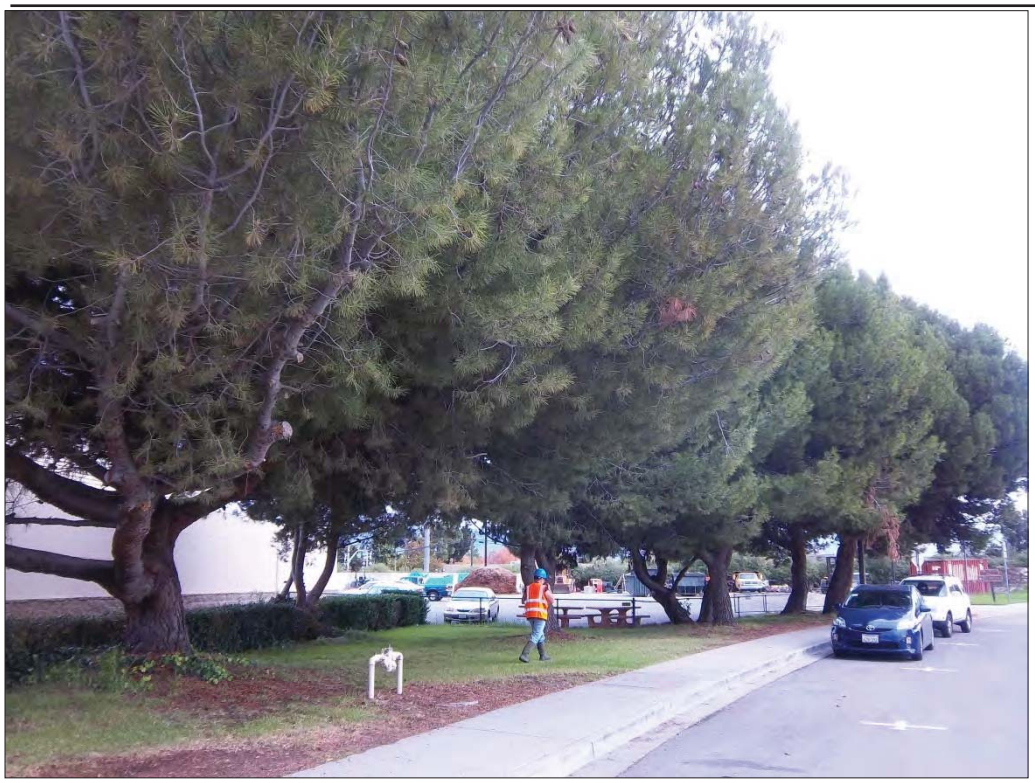

Photo 8— Aleppo pines #9-13 are representative examples of the third most common tree assessed.

Photo 9— Chir pine (*Pinus roxburghii*), on the left, was growing widely on the site (93 trees). It exhibited yellowing foliage with brown tips from salt damage. This species is uncommon and was likely misidentified as Canary Island pine (*Pinus canariensis*), on the right, at planting.

Photo 10—London plane #1346 was growing in a parking lot in the East Tasman area. This tree is in good condition and has high suitability for preserva-tion.

Photo 11—Coast redwoods #1352 and 1353 were growing in a parking lot in the East Tasman area. While they are currently in good condition, they are sensitive to salts and require high quality water (low salt) for irrigation.

Exhibit 2

Parcel 1

Tree Inventory Map
Tree Assessment Map

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Tree Inventory Map

Parcel 1
City Center
Santa Clara, CA

Prepared for:
ICF International

December 16, 2014

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- Trees
- Parcel Boundary
- Protected
- Non-protected

N

275 Feet

HORT SCIENCE
325 Ray Street
Pleasanton, CA 94566
Phone (925) 484-0211
Fax (925) 484-0596

Tree Assessment Map

Parcel 1
City Center
Santa Clara, CA

Prepared for:

ICF International

January 17, 2015

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- High
- Moderate
- Low
- Dead
- Parcel Boundary

N

260 Feet

HORT SCIENCE

325 Ray Street
Pleasanton, CA 94566
Phone (925) 484-0211
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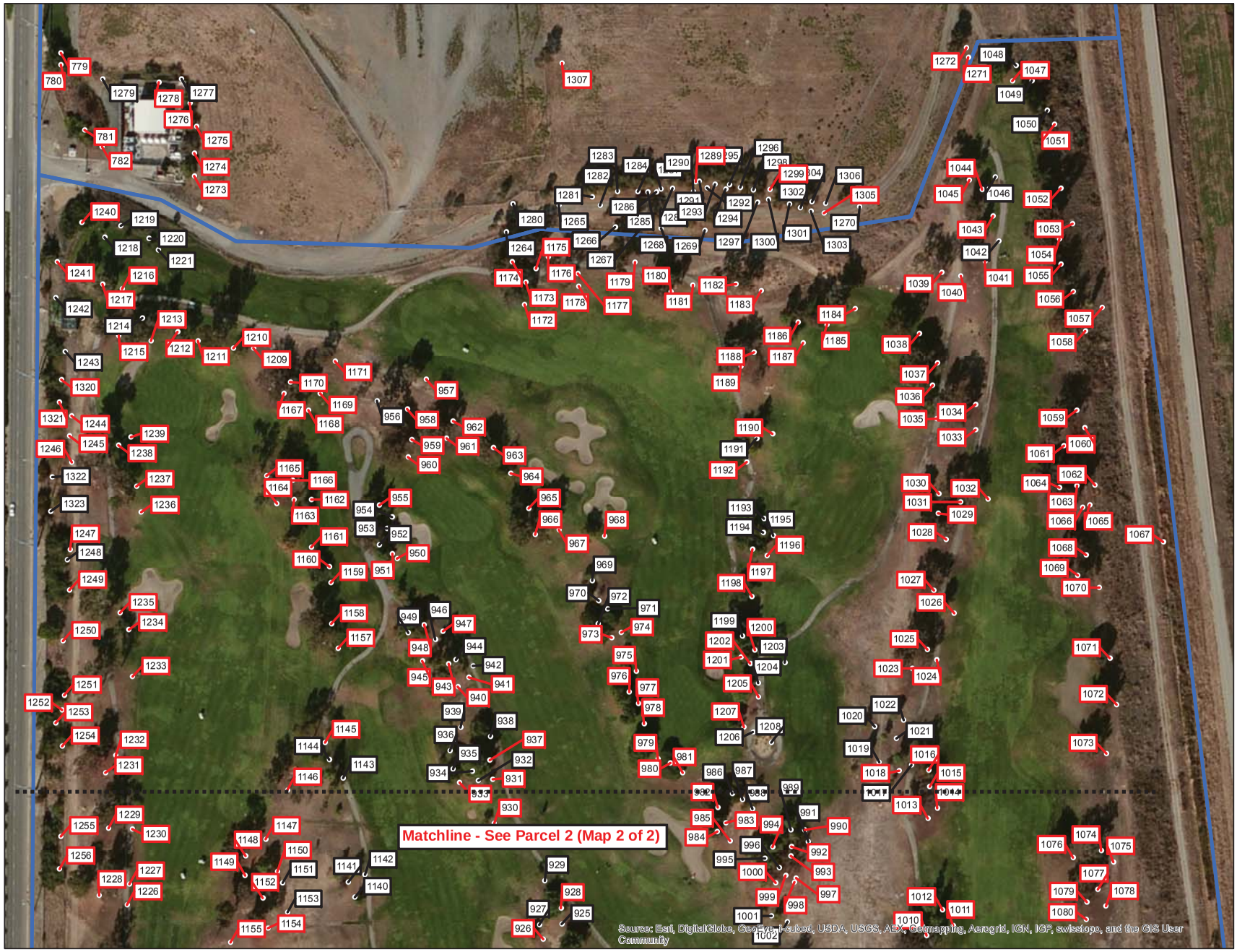
Exhibit 3

Parcel 2

Tree Inventory Map
Tree Assessment Map

HORT SCIENCE



Tree Inventory Map

Parcel 2 (1 of 2)
City Center
Santa Clara, CA

Prepared for:
ICF International

December 16, 2014

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- Trees
- Parcel Boundary
- Protected
- Non-protected

N

260 Feet

HORT SCIENCE
325 Ray Street
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Tree Inventory Map

Parcel 2 (2 of 2)
City Center
Santa Clara, CA

Prepared for:
ICF International

December 16, 2014

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- Trees
- Parcel Boundary
- Protected
- Non-protected

N

260 Feet

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Tree Assessment Map

Parcel 2
City Center
Santa Clara, CA

Prepared for:

ICF International

January 17, 2015

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- High
- Moderate
- Low
- Dead
- Parcel Boundary

N

390 Feet

HORT SCIENCE

325 Ray Street
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Exhibit 4

Parcel 3

Tree Inventory Map
Tree Assessment Map

HORT SCIENCE

Tree Inventory Map

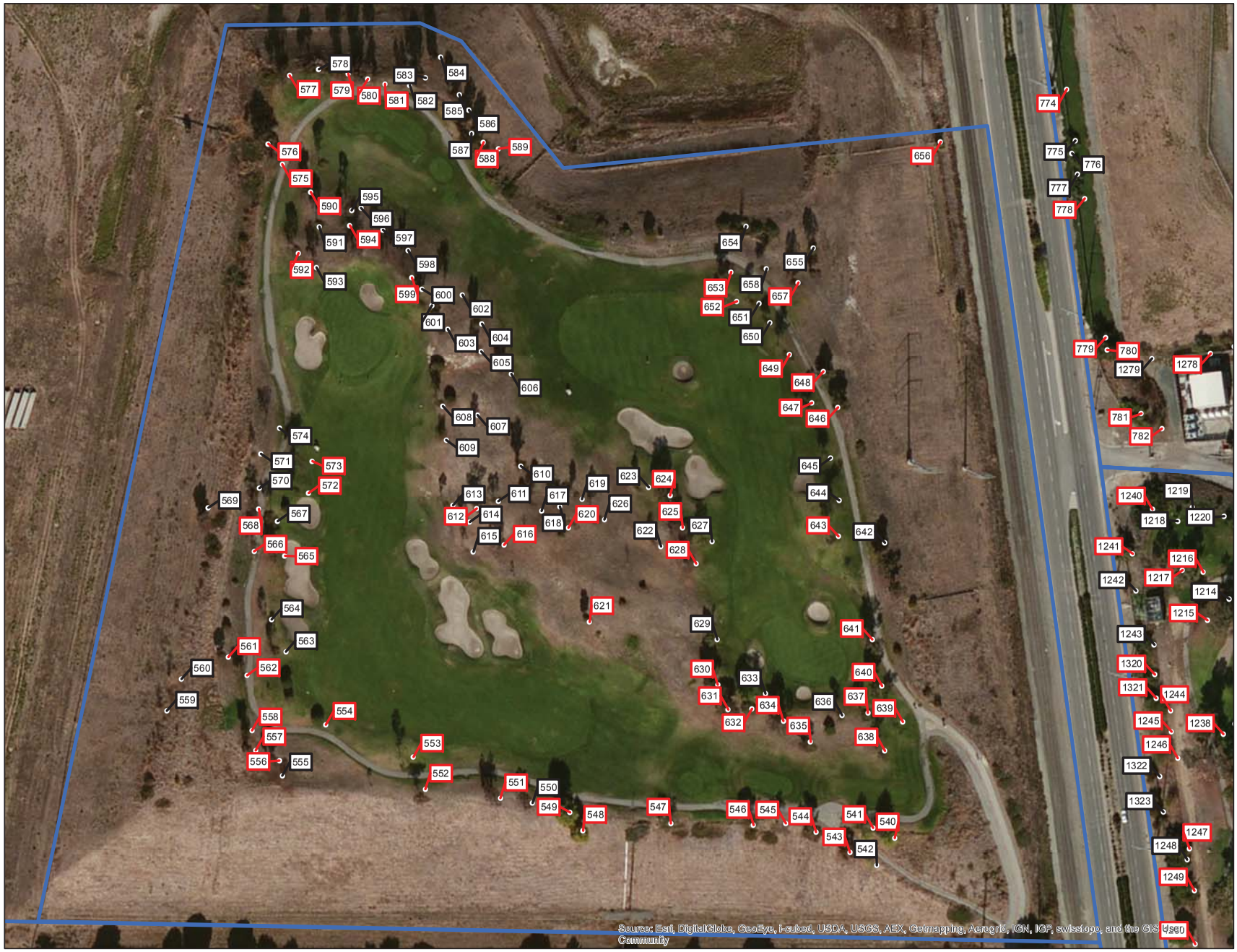
Parcel 3
City Center
Santa Clara, CA

Prepared for:
ICF International

December 16, 2014

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.



Legend

- Trees
- Parcel Boundary
- Protected
- Non-protected

N

250 Feet

HORT SCIENCE
325 Ray Street
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Tree Assessment Map

Parcel 3
City Center
Santa Clara, CA

Prepared for:

ICF International

January 17, 2015

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- High
- Moderate
- Low
- Dead
- Parcel Boundary

N

280 Feet

HORT SCIENCE

325 Ray Street
Pleasanton, CA 94566
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Exhibit 5

Parcel 4

Tree Inventory Map
Tree Assessment Map

HORT SCIENCE

Tree Inventory Map

Parcel 4 (1 of 2)
City Center
Santa Clara, CA

Prepared for:
ICF International

February 23, 2015

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- Trees
- Protected
- Non-protected
- Parcel Boundary

N

320 Feet

HORT SCIENCE
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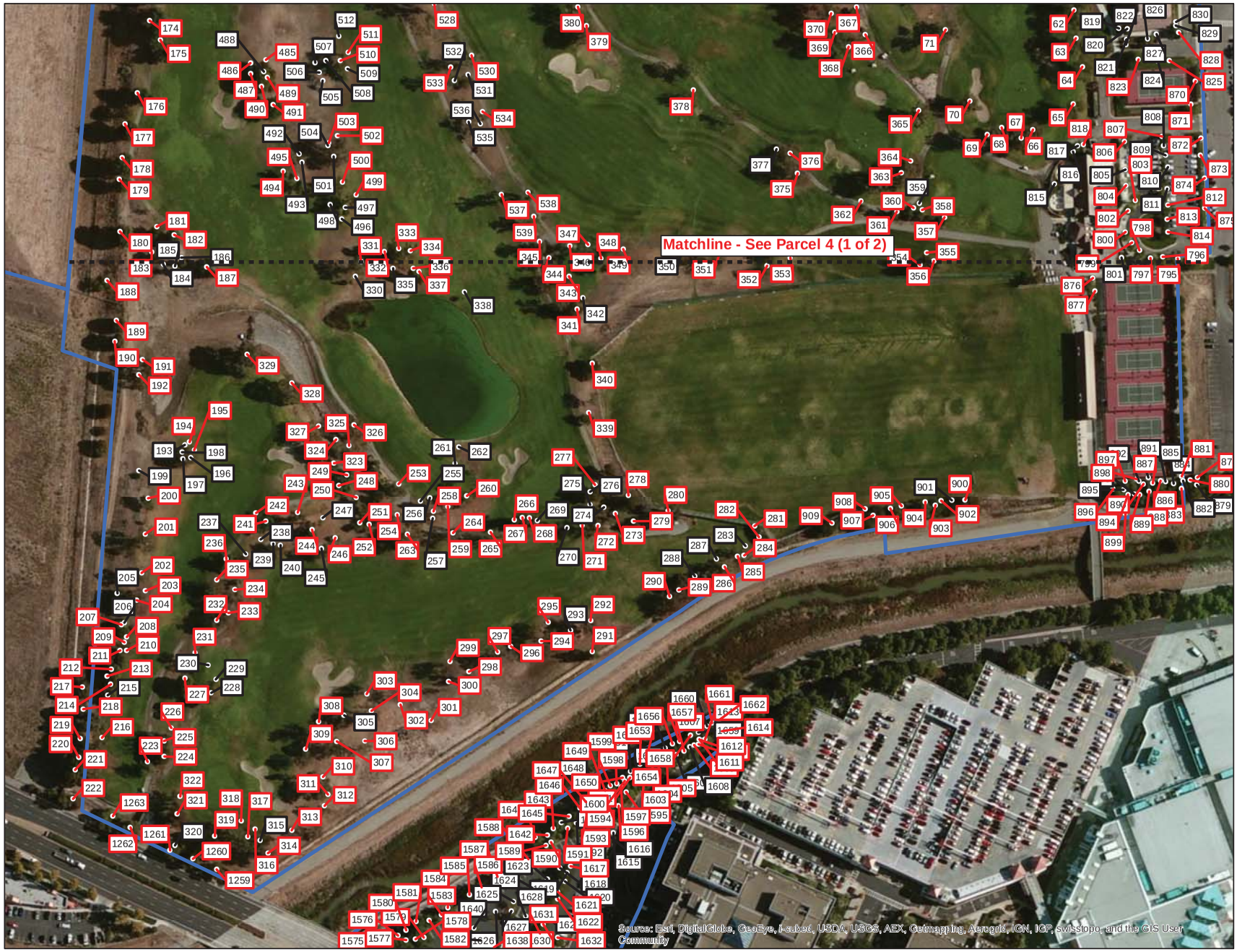

Tree Inventory Map

Parcel 4 (2 of 2)
City Center
Santa Clara, CA

Prepared for:
ICF International

February 23, 2015

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- Trees
- Protected
- Non-protected
- Parcel Boundary

N

320 Feet

HORT SCIENCE
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Tree Assessment Map

Parcel 4
City Center
Santa Clara, CA

Prepared for:

ICF International

February 23, 2015

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- High
- Moderate
- Low
- Dead
- Parcel Boundary

N

460 Feet

HORT SCIENCE
325 Ray Street
Pleasanton, CA 94566
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Exhibit 6

Retention Basin

Tree Inventory Map
Tree Assessment Map

HORT SCIENCE

Tree Inventory Map

Retention Basin
City Center
Santa Clara, CA

Prepared for:
ICF International

December 16, 2014

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- Trees
- Parcel Boundary
- Protected
- Non-protected

N

210 Feet

HORT SCIENCE
325 Ray Street
Pleasanton, CA 94566
Phone (925) 484-0211
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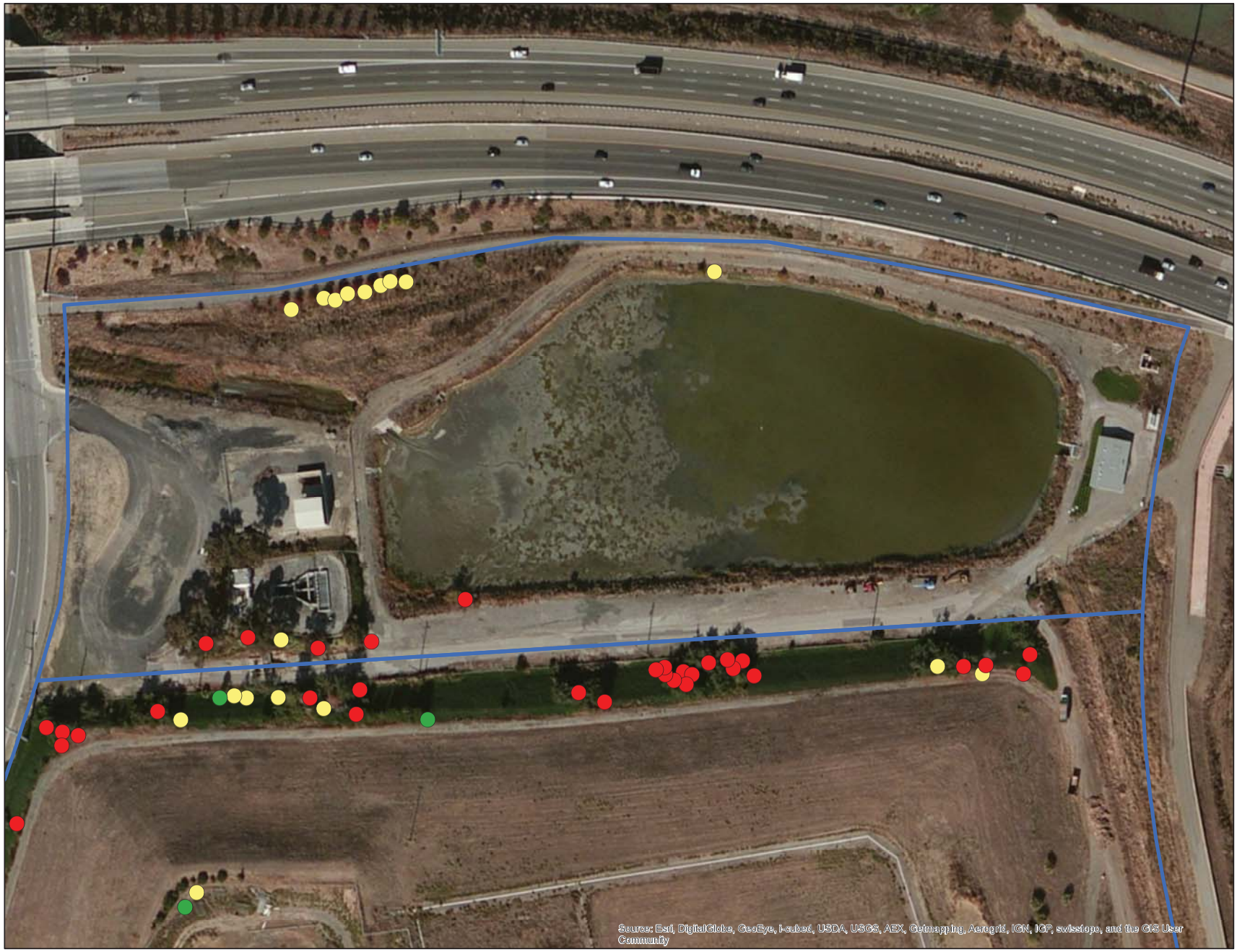

Tree Assessment Map

Retention Basin
City Center
Santa Clara, CA

Prepared for:

ICF International

January 17, 2015

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- High
- Moderate
- Low
- Dead
- Parcel Boundary

N

210 Feet

HORT SCIENCE

325 Ray Street
Pleasanton, CA 94566
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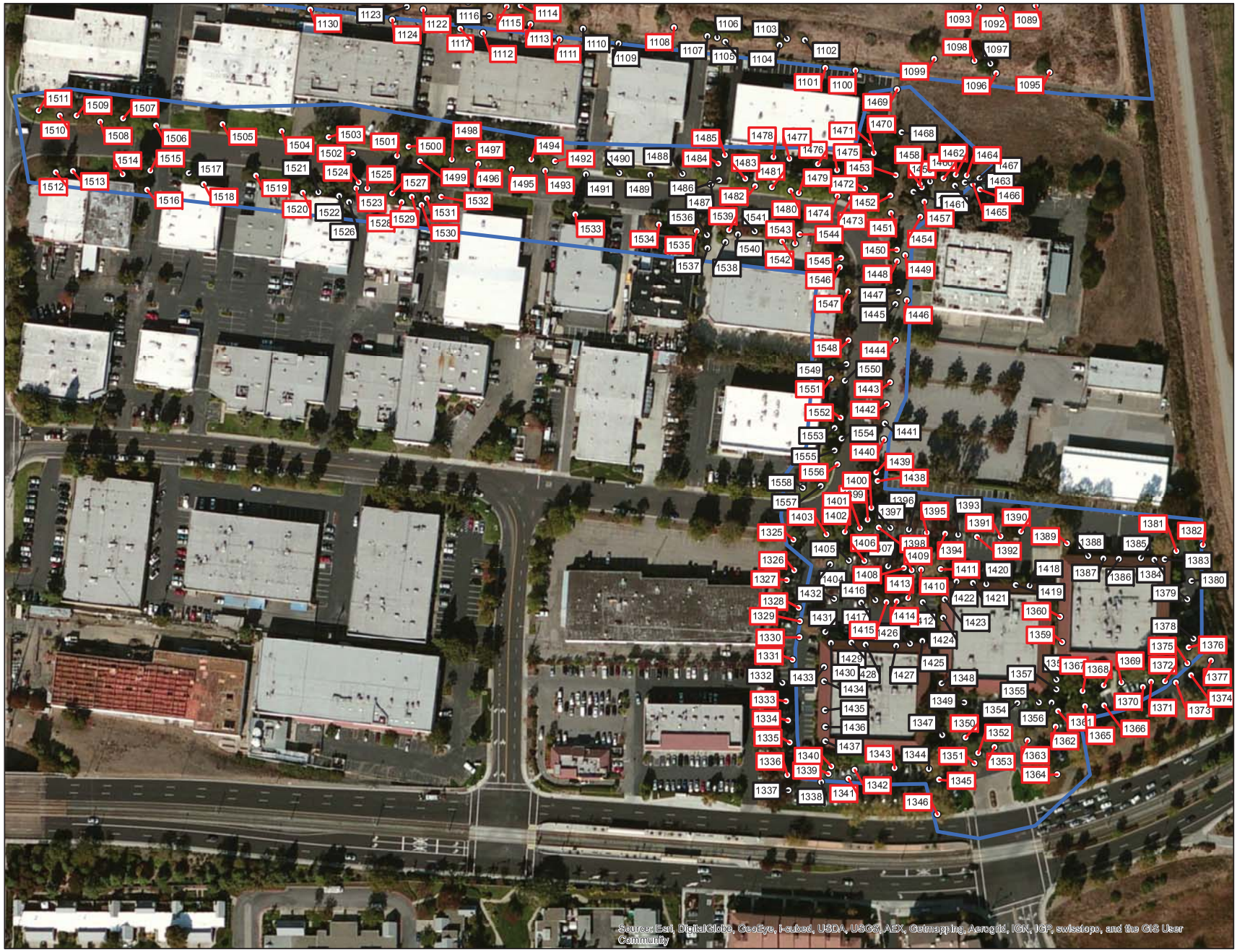
Exhibit 7

East Tasman

Tree Inventory Map

Tree Assessment Map

HORT SCIENCE



Tree Inventory Map

East Tasman
City Center
Santa Clara, CA

Prepared for:
ICF International

December 23, 2014

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- Trees
- Parcel Boundary
- Protected
- Non-protected

280 Feet

HORT SCIENCE
325 Ray Street
Pleasanton, CA 94566
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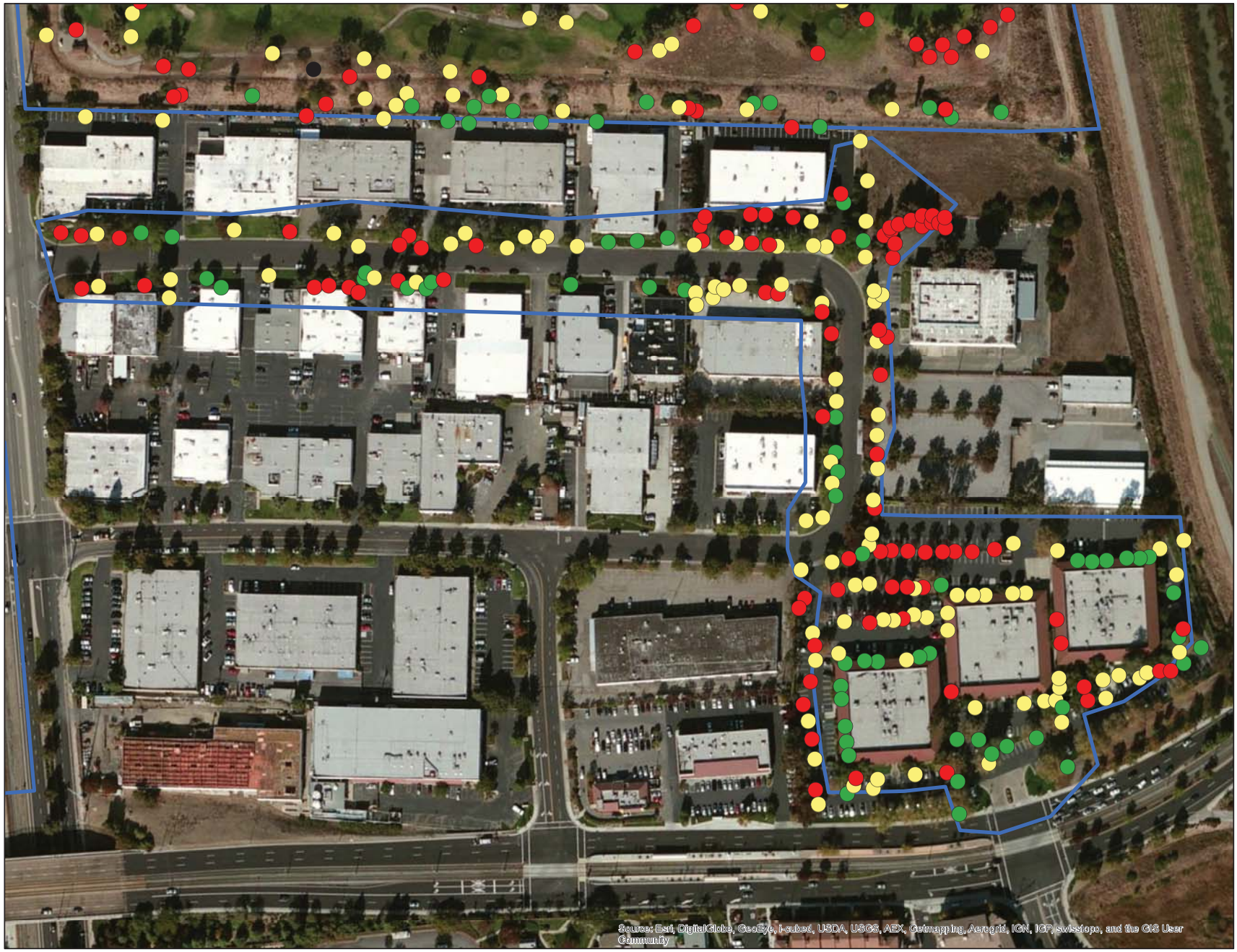


Tree Assessment Map

East Tasman
City Center
Santa Clara, CA

Prepared for:

ICF International

January 17, 2015

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- High
- Moderate
- Low
- Dead
- Parcel Boundary

N

300 Feet

HORT SCIENCE

325 Ray Street
Pleasanton, CA 94566
Phone (925) 484-0211
Fax (925) 484-0596

Exhibit 8

Convention Center

Tree Inventory Map
Tree Assessment Map

HORT SCIENCE

Tree Inventory Map

Convention Center
City Center
Santa Clara, CA

Prepared for:
ICF International

December 23, 2014

Notes:
1. Tree locations are approximate.

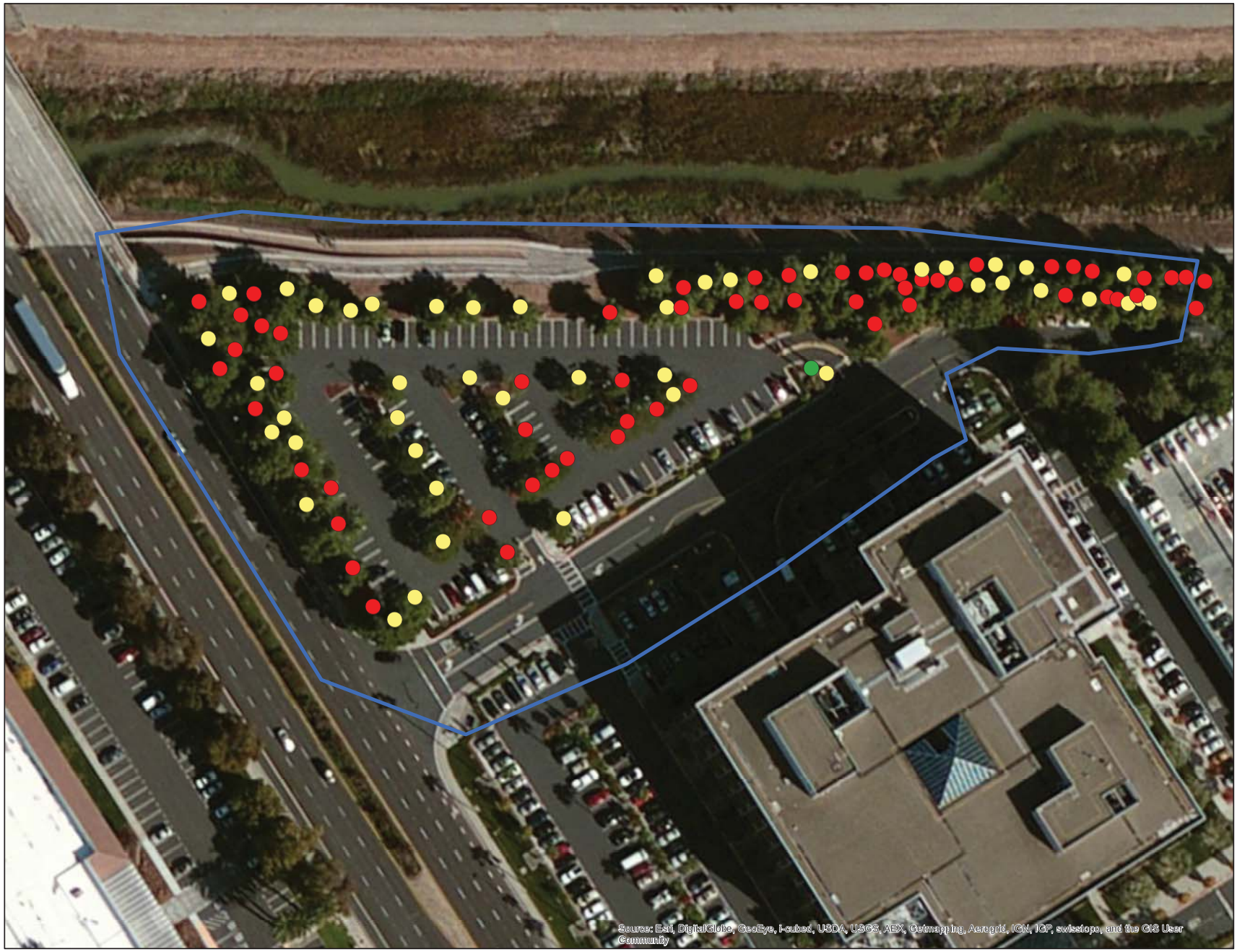
2. Basemap is ESRI aerial image.

Legend

- Trees
- Parcel Boundary
- Protected
- Non-protected

125 Feet

HORT SCIENCE
325 Ray Street
Pleasanton, CA 94566
Phone (925) 484-0211
Fax (925) 484-0596



Tree Assessment Map

Convention Center City Center Santa Clara, CA

Prepared for:

ICF International

January 17, 2015

Notes:
1. Tree locations are approximate.

2. Basemap is ESRI aerial image.

Legend

- High
- Moderate
- Low
- Dead
- Parcel Boundary

125 Feet

HORT SCIENCE

325 Ray Street
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Exhibit 9

Tree Assessment Data

HORT SCIENCE

Tree Assessment

City Place
Santa Clara, CA
February 23, 2015

Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1	Siberian elm	22	Yes	3	Moderate	Codominant at 7'; one sided to south.
2	Siberian elm	7	No	3	Moderate	Tall narrow form; topped at 15'.
3	Siberian elm	30	Yes	4	Moderate	Good form and structure; base engulfed in ivy; slightly thin.
4	Siberian elm	14	Yes	3	Low	Thin crown with dieback.
5	Siberian elm	13,13,10,5,5	Yes	3	Low	Multiple attachments at base; thin crown with dieback.
6	Aleppo pine	25	Yes	3	Moderate	Corrected form; full crown; good vigor; partial failure.
7	Aleppo pine	27	Yes	3	Moderate	Crown bows to west; good vigor.
8	Aleppo pine	23,13	Yes	3	Low	Codominant at 3' with wide attachment; full crown.
9	Aleppo pine	15	Yes	3	Moderate	Codominant at 12'; interior tree; narrow form.
10	Aleppo pine	18	Yes	3	Moderate	Codominant at 6' with wide attachment; full crown.
11	Aleppo pine	16,15	Yes	3	Low	Codominant at 3'; thin crown.
12	Aleppo pine	11,9,6	Yes	2	Low	Failed at base; upright stems at 2'.
13	Aleppo pine	28	Yes	4	Moderate	Heavy lateral limbs; full dense crown.
14	Mexican fan palm	18	Yes	4	High	30' brown trunk; dead fronds to ground.
15	Myoporum	6,5,4,3,3,3	No	3	Low	Multiple attachments at base; thrip damage.
16	Mexican fan palm	18	Yes	4	High	No tag; 30' brown trunk; dead fronds to ground.
17	Mexican fan palm	15	Yes	4	High	No tag; 20' brown trunk; dead fronds to ground.
18	Mexican fan palm	18	Yes	4	High	No tag; 30' brown trunk; dead fronds to ground.
19	Mexican fan palm	18	Yes	4	High	30' brown trunk; dead fronds to ground.
20	Aleppo pine	11,9	Yes	3	Low	Codominant at 4'; poor form and structure; base outside dripline to south.
21	Aleppo pine	19	Yes	3	Moderate	Multiple attachments at 5'; crown to south.
22	Aleppo pine	11	No	2	Low	Corkscrew trunk; poor form and structure.
23	Aleppo pine	20,15	Yes	3	Moderate	Codominant at 4'; full crown; trunk leans south.

Tree Assessment

City Place
Santa Clara, CA
February 23, 2015

Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
24	Aleppo pine	20,15	Yes	4	Moderate	Codominant at 3'; full crown.
25	Aleppo pine	25	Yes	3	Moderate	Codominant at 6'; flat top.
26	Aleppo pine	19	Yes	3	Low	Partial failure; flat top.
27	Aleppo pine	14	Yes	3	Low	Trunk has severe bow at 5'; full crown.
28	Aleppo pine	12,9,8	Yes	2	Low	Extensive basal wound.
29	Aleppo pine	21	Yes	3	Moderate	Partial failure; full crown; corrected form.
30	Myoporum	8	No	4	Moderate	Single stem; good form and structure.
31	Myoporum	7,5	No	3	Low	Codominant at base; thin crown.
32	Aleppo pine	12,11	Yes	3	Low	Partial failure; codominant at 3' with wide attachment.
33	Myoporum	11	No	4	Moderate	Good form and structure; full crown.
34	Myoporum	10	No	4	Moderate	Good form and structure; full crown.
35	Aleppo pine	21	Yes	3	Moderate	Partial failure; codominant at 7' with wide attachment; crown wind swept to south.
36	Aleppo pine	19,17	Yes	2	Low	Codominant at 3'; base outside dripline to south; thin crown.
37	Aleppo pine	21	Yes	3	Low	Central leader bows severely to south.
38	Aleppo pine	15	Yes	3	Low	Central leader bows severely to south.
39	Aleppo pine	16	Yes	3	Low	Base outside dripline to south; thin crown.
40	Aleppo pine	22	Yes	3	Moderate	Codominant at 4'; heavy lateral to south.
41	Aleppo pine	20	Yes	3	Moderate	Codominant at 7'; hanger on north; trunk bows at 4'.
42	Aleppo pine	17	Yes	3	Low	Partial failure; thin crown; branch failure left wound.
43	Chir pine	7,4	No	3	Low	Poor form and structure; thin crown.
44	Chir pine	14,12	Yes	3	Moderate	Codominant at 1' with narrow attachment; upright.
45	Chir pine	15	Yes	3	Moderate	Codominant at 15' with narrow attachment; thin crown.
46	Chir pine	13	Yes	3	Moderate	Single stem with crooked form.
47	Aleppo pine	18	Yes	3	Moderate	Codominant at 7'; full crown.

Tree Assessment

City Place
Santa Clara, CA
February 23, 2015

Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
48	Aleppo pine	19	Yes	2	Low	Failing at base severely to south.
49	Aleppo pine	24	Yes	3	Moderate	Codominant at 6'; wide swept crown.
50	Olive	6	Yes	4	High	Good young tree.
51	River red gum	29	Yes	3	Moderate	History of branch failures; codominant at 12'; good form and structure.
52	Chir pine	6	No	3	Moderate	Crooked form; thin crown.
53	Mexican fan palm	27	Yes	4	High	Base growing against fence; 10' brown trunk.
54	Mexican fan palm	23	Yes	4	High	Base growing against fence; 8' brown trunk.
55	Chir pine	6	No	3	Moderate	Trunk leans south; thin crown.
56	River red gum	19	Yes	2	Low	Half of tree failed leaving extensive trunk wound.
57	Red ironbark	22	Yes	3	Moderate	Multiple attachments at 7'; crown is composed of small stems.
58	River red gum	21	Yes	3	Moderate	Trunk wound in west; codominant at 7' with wide attachment.
59	Red ironbark	19	Yes	3	Moderate	History of branch failures; full crown.
60	River red gum	16	Yes	2	Low	Extensive trunk wound with decay; twig and branch dieback.
61	River red gum	18	Yes	4	High	Good form and structure; minor twig dieback.
62	Red ironbark	18	Yes	4	Moderate	Good form and structure; full crown; failed stem on north.
63	River red gum	28	Yes	3	Low	Trunk wound on west; trunk leans south; twig and branch dieback.
64	River red gum	28	Yes	4	Moderate	Good form and structure; history of branch failure; codominant at 5'; leans south.
65	River red gum	33	Yes	4	Moderate	Good form and structure; sap sucker damage; minor twig dieback.
66	Red ironbark	21	Yes	3	Low	Trunk wound on west appears to be decayed; otherwise good form and structure.
67	Red ironbark	24	Yes	3	Moderate	Codominant at 7'.
68	Red ironbark	17	Yes	2	Low	Poor form and structure; half of crown failed.

Tree Assessment

City Place
Santa Clara, CA
February 23, 2015

Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
69	Red ironbark	25	Yes	3	Low	Numerous trunk wounds; full crown.
70	Red ironbark	29	Yes	3	Low	Poor form and structure; trunk wound with decay on north.
71	River red gum	23	Yes	2	Low	Multiple attachments at 8'; bark peeling from trunk; thin crown with dieback.
72	River red gum	22	Yes	3	Moderate	Multiple attachments at 7'; minor dieback.
73	River red gum	7	No	1	Low	All but dead.
74	River red gum	18	Yes	2	Low	Declining; thin crown with dieback.
75	Chir pine	7	No	3	Moderate	Single stem; thin crown.
76	Aleppo pine	19	No	0		Dead; told by golf course fell over December 2014.
77	Olive	13	Yes	3	Moderate	One sided to south; codominant at 5'.
78	Nichol's willowleafed peppermint	9	No	3	Moderate	Thin crown; poor form and structure.
79	Chir pine	8,7	No	3	Moderate	Codominant at 1'; thin crown.
80	Aleppo pine	21	Yes	3	Moderate	Poor attachment at 4' with included bark.
81	Aleppo pine	15	Yes	3	Low	Wind swept to south; poor form and structure.
82	Chir pine	9	No	2	Low	Trunk wound at 8'; no basal flare.
83	Myoporum	7	No	3	Moderate	Small trunk wounds; good form and structure.
84	Chir pine	12	Yes	3	Moderate	Sinuous trunk.
85	Myoporum	8,8,6,5	Yes	3	Low	Multiple attachments at base; thin crown with twig dieback.
86	Myoporum	11,5	Yes	3	Moderate	Codominant at 1'; thin crown.
87	Myoporum	18	Yes	4	Moderate	Multiple attachments at 6'; full crown.
88	Aleppo pine	11	No	2	Low	Base extremely outside base to south.
89	Myoporum	17	Yes	3	Moderate	No basal flare; codominant at 5'.
90	Myoporum	14	Yes	3	Low	Multiple attachments at 6'; slightly thin; girdling roots.
91	Chir pine	13,10	Yes	3	Moderate	Codominant at 2' with narrow attachment; thin crown.

Tree Assessment

City Place
Santa Clara, CA
February 23, 2015

Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
92	Chir pine	12,10	Yes	3	Moderate	Codominant at 4' with narrow attachment; narrow form.
93	Myoporum	17	Yes	3	Moderate	Crown reduced on north; full otherwise.
94	Chir pine	7	No	3	Low	Poor form and structure; small crown.
95	Aleppo pine	15	Yes	3	Moderate	Codominant at 7'; lost central leader; full crown.
96	Aleppo pine	11	No	1	Low	Extremely poor; very poorly pruned.
97	Chir pine	11	No	2	Low	Extensive dieback; codominant attachment very narrow.
98	Aleppo pine	16	No	0		Dead.
99	Chir pine	13	Yes	3	Moderate	Lost central leader.
100	Chir pine	11,6	Yes	2	Low	Poor form and structure; codominant at 1'; twig dieback.
101	Chir pine	9	No	3	Moderate	Single stem slightly crooked; thin crown.
102	Chir pine	10,3	No	2	Low	Lost central leader; poor form and structure.
103	Chir pine	10,7,5	Yes	3	Low	Multiple attachments at 3'; thin crown.
104	Aleppo pine	17,13	Yes	3	Low	Codominant at 4' with wide attachment; flat top; twig and branch dieback.
105	Silver dollar gum	10,7	Yes	4	Moderate	Fill crown; minor twig dieback.
106	Silver dollar gum	7	No	2	Low	Basal and trunk wound; twig dieback.
107	Silver dollar gum	9	No	4	High	Good form and structure; minor dieback.
108	Chir pine	24	Yes	4	Moderate	Multiple attachments at 5'; full dense crown.
109	Chir pine	14	Yes	3	Moderate	Upright form; thin crown.
110	Olive	6	No	3	Moderate	Decay in stem to west.
111	Silver dollar gum	9	No	3	Low	Thin crown with extensive dieback.
112	Chir pine	15,8	Yes	4	Moderate	Could remove 8" stem; 15" is upright.
113	Aleppo pine	13	Yes	3	Moderate	Codominant at 5'; wind swept to south.
114	Aleppo pine	12	Yes	3	Low	Base extremely outside base to south; full crown.
115	Aleppo pine	14	Yes	3	Moderate	Flat top; full crown.

Tree Assessment

City Place
Santa Clara, CA
February 23, 2015

Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
116	Silver dollar gum	6	No	3	Moderate	Trunk bows at 6'.
117	Chir pine	6	No	1	Low	Extremely thin; dieback in upper crown.
118	Myoporum	7,4	No	3	Low	Suppressed to south; twig dieback.
119	Myoporum	7,6,6,5	Yes	3	Moderate	Multiple attachments at base; thin crown.
120	Myoporum	7,6,6,5,5,5	Yes	3	Moderate	Multiple attachments at 1'; thin crown.
121	Myoporum	7	No	3	Low	Wound with decay runs entire length of trunk; full crown.
122	Myoporum	15	Yes	3	Moderate	Full crown; thrip damage.
123	Chir pine	10	No	3	Moderate	Trunk sweeps at base; upright form.
124	Chir pine	10	No	3	Moderate	Crook at 2'.
125	Western sycamore	9,7	Yes	4	High	9" stem topped with good restructuring.
126	Chir pine	15,12	Yes	3	Low	15" stem topped; 12" stem outside base.
127	Chir pine	15,14,14	Yes	3	Moderate	Multiple attachments at 3'; tall upright form.
128	Aleppo pine	21,15,15,14	Yes	3	Moderate	Partial failure; stems bow largely to south.
129	River she-oak	17	Yes	4	High	Good upright form.
130	Italian stone pine	28,9	Yes	4	Moderate	Codominant at 5'; 9" stem is low lateral limb to south; full dense crown.
131	River she-oak	16	Yes	3	Low	Decay in largest upright stem; sap sucker damage; thin crown.
132	Aleppo pine	15	Yes	2	Low	Trunk turns to horizontal at 5'.
133	Chir pine	17	Yes	4	Moderate	Slightly one sided to south; heavy low lateral limb.
134	Western sycamore	28	Yes	5	High	Excellent form and structure; slight lean south.
135	Aleppo pine	21,17	Yes	3	Low	Poor form and structure; full crown; flat top.
136	Chir pine	15	Yes	4	Moderate	Good upright form ; slightly thin.
137	Aleppo pine	11	No	3	Low	Severe crook at 3'; flat top.

Tree Assessment

City Place
Santa Clara, CA
February 23, 2015

Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
138	Aleppo pine	17,12,10,10	Yes	3	Moderate	Partially failed; wind swept to south.
139	River she-oak	16	Yes	3	Moderate	Uptight form; minor dieback.
140	Cherry	8,7,7	Yes	3	Moderate	Multiple attachments at 4'; film crown.
141	River she-oak	11	No	3	Moderate	Narrow upright form; bleeding trunk.
142	Western sycamore	17	Yes	4	High	Good form and structure.
143	River she-oak	10	No	3	Moderate	Narrow upright form; thin crown; dieback in upper crown.
144	River she-oak	19	Yes	4	Moderate	Good form and structure.
145	Chir pine	16	Yes	4	High	Good upright form; full crown.
146	River she-oak	13	Yes	2	Low	Thin crown with extensive dieback.
147	River she-oak	19	Yes	4	Moderate	Codominant at 8' with wide attachment.
148	Canary Island pine	13	Yes	4	Moderate	Narrow form; crowded by #147.
149	Western sycamore	21	Yes	5	High	Excellent form and structure.
150	Western sycamore	15	Yes	4	High	Good form and structure; long roots run along asphalt road.
151	Chir pine	23	Yes	4	High	Full crown; replaced leader.
152	Western sycamore	15	Yes	4	Moderate	Girdling root; multiple attachments at 5'.
153	Western sycamore	14	Yes	3	Moderate	Suppressed and one sided to north.
154	River red gum	17	Yes	3	Moderate	One sided to west.
155	Compact blue gum	20,18,18,15,15,15	Yes	4	High	Multiple attachments at 2'; full wide crown.
156	Chir pine	6	No	3	Moderate	Top of slope; poor color.
157	Chir pine	8	No	4	Moderate	Trunk sweeps at base; upright form.
158	Aleppo pine	16,16,12	Yes	3	Low	Failed and lying on12" stem; full crown.
159	Aleppo pine	11	No	2	Low	Failed at base; thin crown with dieback.
160	Aleppo pine	9	No	3	Low	Trunk turns to 90° at 7'; poor form and structure.

Tree Assessment

City Place
Santa Clara, CA
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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
161	Myoporum	6	No	3	Low	Off-site; multiple attachments at 5'; leans heavily over fence.
162	Western sycamore	14,7	Yes	4	Moderate	7" stem attaches at 2'.
163	Chir pine	11	No	4	High	Slight crook at 2'; otherwise good form and structure.
164	Compact blue gum	19,14,14,12,12,12,10	Yes	3	Moderate	Multiple attachments at 3'; thin foliage due to tortoise beetle.
165	Olive	7	No	3	Moderate	Multiple attachments at 6'; thin crown.
166	Compact blue gum	22.12, 10,6,4	Yes	2	Low	Declining; mostly dead foliage.
167	Compact blue gum	11,6	Yes	2	Low	Declining; mostly dead foliage; twig dieback.
168	Aleppo pine	18,16,14	Yes	3	Low	Trunk and crown leans south.
169	Compact blue gum	20,20,14,12	Yes	3	Low	Sulphur fungus at base in area of failed attachment; okay crown.
170	Aleppo pine	26	Yes	2	Low	Heavy sap production in upright stem; codominant stem to south bows away from center.
171	Compact blue gum	24,24,20,12,12,12,10	Yes	4	Moderate	Multiple attachments at 2'; interior branches removed; heavy ground squirrel activity at base; full crown.
172	Compact blue gum	12,12,12,12,12,10,10,10,10.10	Yes	2	Low	Extensive twig dieback; multiple attachments at 2'.
173	Compact blue gum	18,11,9,9,8	Yes	3	Moderate	Multiple attachments at 2'; interior branches removed; tortoise beetle damage.
174	Aleppo pine	17,15	Yes	3	Moderate	Codominant at 4'; high thin crown with twig dieback.
175	Aleppo pine	21,16	Yes	3	Low	Partial failure; leans south; full crown.
176	Compact blue gum	12,5,5,5,5	Yes	2	Low	Declining; mostly dead foliage.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
177	Compact blue gum	18,18,15,13,10,9,9	Yes	3	Moderate	Multiple attachments at 3'; interior branches removed.
178	Compact blue gum	20,20,17,10,9	Yes	4	Moderate	Multiple attachments at 2'; full crown.
179	Compact blue gum	14,14,14,11,10	Yes	3	Moderate	Multiple attachments at 2'; thin crown.
180	Compact blue gum	20.17,15,13.13,10	Yes	4	High	Multiple attachments at 2'; full dense crown.
181	Monterey pine	13	Yes	4	Moderate	No central leader; otherwise good form.
182	Aleppo pine	18	Yes	4	High	Codominant at 6'; full dense crown.
183	Monterey pine	15	Yes	4	High	Nice little tree with squat form.
184	Chir pine	7	No	2	Low	Little live foliage.
185	Chir pine	11	No	4	Moderate	Good upright form; full crown; no basal flare.
186	Chir pine	11	No	4	Moderate	Good upright form; slightly thin; no basal flare.
187	Monterey pine	10,7,6,4	Yes	3	Moderate	Multiple attachments at 4'; minor dieback.
188	Yellow willow	16,11	Yes	2	Low	Failed at base; full crown to ground.
189	Compact blue gum	8,8,7,7,7,6,6,6,6	Yes	3	Low	Multiple attachments at base; full crown; failed stem over fence.
190	Compact blue gum	18,13,8,8,8,8	Yes	3	Moderate	Multiple attachments at base; full dense crown.
191	Nichol's willowleafed peppermint	26,13	Yes	3	Low	Poor form and structure; thin crown with dieback.
192	Nichol's willowleafed peppermint	19	Yes	1	Low	All but dead; extensive dieback.
193	Silver dollar gum	6	No	2	Low	Severe lean east; poor form and structure; trunk wound.
194	Silver dollar gum	14	Yes	3	Moderate	Leans east; codominant at 7'.

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195	Silver dollar gum	13	Yes	3	Low	Codominant at 7'; trunk wound.
196	Silver dollar gum	10	No	4	High	Good form and structure.
197	Silver dollar gum	6	No	3	Moderate	Crooked tall narrow form.
198	Silver dollar gum	8	No	2	Low	Trunk leans east; basal wound; twig dieback.
199	Aleppo pine	8	No	3	Moderate	Leans south; full crown to ground.
200	Aleppo pine	18	Yes	3	Low	Partial failure; full crown.
201	River red gum	26	Yes	3	Moderate	Trunk wound; thin crown; twig dieback.
202	River red gum	24	Yes	3	Low	Bark falling off trunk; numerous trunk wounds.
203	River red gum	24	Yes	3	Low	Twig and branch dieback; trunk wounds.
204	Red ironbark	19	Yes	4	Moderate	Full crown; corrected form.
205	Myoporum	7	No	3	Low	Thin crown; poor color.
206	Myoporum	6,5,5	No	3	Moderate	Multiple attachments at base; slightly thin.
207	Myoporum	8,7,6,6	Yes	3	Low	Multiple attachments at base; thin crown.
208	River red gum	17	Yes	2	Low	Large trunk wound from failed stem; twig and branch dieback.
209	Compact blue gum	12,12,10,4,4,3	Yes	4	High	Multiple attachments at 4'; full crown lifted to 10'.
210	Compact blue gum	8,8,6,6,6,6,5,5	Yes	3	Moderate	One sided to north; thin crown.
211	Compact blue gum	12,12,10,8,7,6	Yes	4	High	Multiple attachments at 4'; full crown lifted to 10'.
212	Compact blue gum	15,12,10,6,6,6	Yes	4	High	Multiple attachments at 4'; full crown lifted to 10'.
213	Compact blue gum	10,10,8,6	Yes	3	Moderate	Multiple attachments at 2'; slightly thin.
214	Compact blue gum	17,5	Yes	3	Low	Multiple attachments at 4'; thin crown with twig dieback.
215	Compact blue gum	8,4,3,3	No	2	Low	Mass of epicormics at base; extensive twig dieback.
216	River red gum	24	Yes	2	Low	Extensive trunk wound; history of branch failures.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
217	Compact blue gum	20,10,10,6	Yes	3	Moderate	Off site; no tag; multiple attachments at base; thin crown with twig dieback.
218	Compact blue gum	14,12,10,10,10	Yes	2	Low	Off site; no tag; multiple attachments at base; thin crown with twig dieback; failing at base.
219	Compact blue gum	12,10,10,10,8,8,8	Yes	3	Moderate	Off site; no tag; multiple attachments at base; thin crown with twig dieback.
220	Compact blue gum	14,14,24,12,12,10,10,10	Yes	3	Moderate	Off site; no tag; multiple attachments at base; thin crown with twig dieback.
221	Compact blue gum	25,17,12,9,6	Yes	3	Low	Off site; no tag; multiple attachments at base; thin crown with twig dieback; suppressed to west.
222	Blackwood acacia	20	Yes	2	Low	History of branch failures; extensive twig and branch dieback.
223	Western sycamore	13	Yes	4	High	Good form; replaced leader.
224	Compact blue gum	20,12,8,8,6	Yes	4	Moderate	Multiple attachments at 3'; full crown lifted to 10'.
225	Compact blue gum	8,8,8,6	Yes	3	Moderate	Multiple attachments at base; thin crown.
226	River red gum	17	Yes	3	Moderate	Trunk wound; exposed surface roots with decay.
227	Compact blue gum	13,12,10,8,8,6,6	Yes	4	High	Multiple attachments at 1'; full crown lifted to 10'.
228	Nichol's willowleafed peppermint	15	No	0		Dead.
229	Manna gum	10	No	3	Low	High thin crown.
230	River red gum	6	No	3	Moderate	Thin crown.
231	River red gum	19	Yes	3	Moderate	Extensive twig dieback; trunk wound.
232	River red gum	16	Yes	3	Low	Twig dieback; large trunk wound; twig dieback.
233	Red ironbark	17	Yes	3	Moderate	Branch failure; ok form.
234	River red gum	18	Yes	3	Moderate	Corrected form; thin crown with twig dieback.

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235	River red gum	17	Yes	2	Low	Largely epicormics growth; twig dieback.
236	Aleppo pine	24	Yes	3	Moderate	Full crown; multiple attachments at 5'; trunk leans east.
237	Olive	8,6	No	3	Moderate	Codominant at base; small amount of dead foliage; irrigate.
238	Flooded gum	9	No	4	High	Good young tree.
239	Flooded gum	7	No	4	Moderate	One sided to south.
240	Flooded gum	6	No	4	High	Good young tree; slightly thin in upper crown.
241	Aleppo pine	24	Yes	3	Moderate	Hazard beam on low lateral to south.
242	Aleppo pine	14	Yes	2	Low	Very poor form and structure; mass of twisted branches; flat top.
243	River red gum	16	Yes	3	Moderate	Thin crown with twig dieback.
244	Canary Island pine	15	Yes	3	Moderate	Replaced leader; full crown.
245	River red gum	8	No	4	Moderate	Good form and structure; twig dieback.
246	River red gum	23	Yes	3	Low	Heavy lateral limb to west; large branch failure on south.
247	Canary Island pine	9	No	4	High	Good form and structure.
248	Aleppo pine	24	Yes	3	Moderate	Codominant at 5'; 15" stem bows to south outside base.
249	Aleppo pine	19	Yes	3	Moderate	Base outside dripline to south.
250	Olive	7,6	Yes	4	High	Codominant at 3'; full crown.
251	Olive	10	Yes	4	High	Multiple attachments at 5'; full crown.
252	Olive	8	Yes	4	High	Codominant at 4'; full crown.
253	River red gum	28	Yes	3	Moderate	History of branch failure; multiple attachments at 7'; twig dieback.
254	River red gum	18	Yes	2	Low	Declining; thin crown with twig and branch dieback.
255	Silver dollar gum	9	No	4	High	Codominant at 6'; full crown.
256	Manna gum	6	No	2	Low	Little live foliage.
257	Manna gum	8	No	1	Low	Extensive bleeding; little live foliage.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
258	River red gum	14	Yes	3	Moderate	Thin crown with twig dieback.
259	Manna gum	13	Yes	3	Low	Poor form and structure; crook at 20'.
260	Manna gum	12	Yes	4	Moderate	Good form and structure; thin crown.
261	River red gum	6	No	3	Low	Basal wound; twig dieback.
262	Manna gum	7	No	3	Moderate	High small crown bows south.
263	River red gum	18	Yes	3	Moderate	Twig and branch dieback.
264	River red gum	16	Yes	3	Low	Largely epicormics growth; twig dieback.
265	River red gum	25	Yes	3	Moderate	Multiple attachments at 6' with talk upright stems; twig dieback.
266	River she-oak	14	Yes	4	High	Good upright form ; slightly one sided north.
267	River she-oak	18	Yes	4	High	Good upright form; minor deadwood.
268	River she-oak	18	Yes	4	High	Good upright form; minor deadwood.
269	River she-oak	10	No	3	Moderate	Suppressed to south; codominant at 6'.
270	River red gum	10	No	2	Low	Extensive dieback.
271	River red gum	18	Yes	3	Low	Trunk leans south; twig dieback.
272	Red ironbark	18	Yes	3	Moderate	Codominant at 6'.
273	River red gum	16	Yes	3	Low	Extreme lean south; twig dieback.
274	River she-oak	8	No	3	Low	Twig and branch dieback.
275	River she-oak	9	No	3	Low	Lost central leader; twig dieback.
276	River she-oak	10	No	3	Moderate	Full crown; one sided to north.
277	River she-oak	19	Yes	3	Moderate	Heavy lateral limbs; upright form.
278	River she-oak	14	Yes	3	Low	Poor color; poor form and structure; heavy low lateral limb.
279	Blackwood acacia	13	Yes	3	Moderate	Central leader bows to west.
280	River red gum	23	Yes	3	Moderate	Multiple attachments at 8'; interior branches removed leaving high crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
281	Myoporum	8,6,6	Yes	3	Moderate	Multiple trunks arise from base; thin.
282	Myoporum	8,67,5	Yes	3	Moderate	Multiple trunks arise from base; thin.
283	Silver dollar gum	11	No	3	Moderate	Sinuous trunk; good vigor; minor dieback.
284	Canary Island date palm	40	Yes	4	Moderate	1 foot brown trunk height; growing against fence.
285	River red gum	17	Yes	3	Low	Multiple trunks arise from 8 feet; leaning heavily south; dieback.
286	Western sycamore	28	Yes	4	Moderate	Leaning west; slightly thin crown.
287	Silver dollar gum	11	No	3	Moderate	Sinuous trunk; good vigor; minor dieback.
288	Silver dollar gum	9	No	4	Moderate	Good vigor; crowded by neighboring trees.
289	Red ironbark	20	Yes	4	Moderate	Codominant trunks arise from 5 feet; spreading crown.
290	Red ironbark	21	Yes	4	Moderate	Multiple trunks arise from 5 feet; spreading crown.
291	River red gum	15	Yes	4	Moderate	Good form and structure; growing at fence soon to become embedded.
292	River red gum	19	Yes	3	Low	Multiple trunks arise from 10; dieback in upper canopy.
293	River red gum	7,4	No	3	Low	Multiple trunks arise from 2 feet; dieback in upper canopy; trunk wound bleeding.
294	River red gum	16	Yes	3	Moderate	Codominant trunks arise from 10 feet; minor dieback; spreading canopy.
295	River red gum	14	Yes	2	Low	Multiple trunks arise from 20 feet; extensive dieback in upper canopy.
296	River red gum	15	Yes	3	Moderate	Multiple trunks arise from 10 feet; minor dieback; spreading canopy.
297	Red ironbark	16	Yes	3	Moderate	Codominant trunks arise from 10 feet; minor dieback; spreading canopy.
298	River red gum	14	Yes	2	Low	Multiple trunks arise from 10 feet; minor dieback; spreading canopy.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
299	River red gum	19	Yes	3	Moderate	Codominant trunks arise from 7 feet; minor dieback; spreading canopy.
300	Manna gum	14	Yes	1	Low	Half dead.
301	Red ironbark	16	Yes	3	Moderate	Codominant trunks arise from 10 feet; history of branch failure.
302	Red ironbark	13	Yes	3	Moderate	Codominant trunks arise from 7 feet; spreading crown.
303	River red gum	21	Yes	2	Low	Multiple trunks arise from 7 feet; extensive dieback; epicormic.
304	Manna gum	27	Yes	3	Moderate	Codominant trunks arise from 15 feet; one sided; minor dieback.
305	Nichol's willowleafed peppermint	11	No	2	Low	Codominant trunks arise from 8 feet; thin; declining; epicormic.
306	Red ironbark	15,7	Yes	2	Low	Codominant trunks arise from 3 feet; thin crown; declining.
307	River red gum	20	Yes	3	Moderate	Codominant trunks arise from 10 feet with seam; history of branch failure.
308	River red gum	21	Yes	3	Moderate	Codominant trunks arise from 10 feet with seam; history of branch failure.
309	River red gum	18	Yes	3	Moderate	Multiple trunks arise from 10 feet with seam; thin; lion tailed; trunk degrading.
310	River red gum	10,7,6	Yes	3	Moderate	Multiple trunks arise from base; narrow upright form.
311	River red gum	20	Yes	4	Moderate	Multiple trunks arise from 10 feet; slightly one sided north.
312	River red gum	14	Yes	3	Moderate	Codominant trunks arise from 8 feet; minor dieback.
313	River red gum	20	Yes	3	Moderate	Codominant trunks arise from 18 feet; minor dieback; thin crown.
314	River red gum	21	Yes	3	Moderate	Multiple trunks arise from 10 feet; dense full crown; history of branch failure.

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315	Myoporum	6,4,4,4,4,4,4	No	3	Low	Multiple trunks arise from base; suppressed by #316.
316	Myoporum	6,6,5,5,4,3,3,3	Yes	3	Moderate	Multiple trunks arise from base; suppressing neighboring myoporum.
317	Myoporum	8,8,7,6,5	Yes	3	Moderate	Multiple trunks arise from base; suppressed by #316.
318	River red gum	36	Yes	3	Moderate	Multiple trunks arise from 10 feet; lion tailed; minor dieback.
319	River red gum	28	Yes	3	Moderate	Codominant trunks arise from 7 feet; one sided north; minor dieback.
320	Blackwood acacia	7	No	4	Moderate	Growing at fence; suppressed by neighboring vegetation.
321	Red ironbark	19	Yes	3	Moderate	Codominant trunks arise from 10 feet; full crown.
322	Red ironbark	19	Yes	3	Moderate	Codominant trunks arise from 10 feet; full crown.
323	Aleppo pine	11,8	Yes	4	Moderate	Codominant trunks arise from 4 feet; dense dull crown.
324	Red ironbark	17	Yes	3	Moderate	Codominant trunks arise from 6 feet; one sided north.
325	Red ironbark	33	Yes	3	Moderate	Multiple trunks arise from 3 feet; lion tailed with stems leaning way out in every direction.
326	Nichol's willowleafed peppermint	24	Yes	4	Moderate	Codominant trunks arise from 25 feet; cut girdling root.
327	Nichol's willowleafed peppermint	28	Yes	4	Moderate	Multiple trunks arise from 25 feet; thin on top; unusual branch structure.
328	Nichol's willowleafed peppermint	32	Yes	4	Moderate	Multiple trunks arise from 25 feet; 5 foot long trunk wound; history of branch failure.
329	Nichol's willowleafed peppermint	41	Yes	4	High	Multiple trunks arise from 25 feet; history of branch failure; prune failed branch cleanly.
330	Canary Island pine	7	No	4	High	Slightly curved trunk; good young tree.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
331	River red gum	21	Yes	3	Moderate	Codominant trunks arise from 7 feet; one sided north; minor dieback.
332	Compact blue gum	18	Yes	5	High	Perfect for a compact.
333	Compact blue gum	29	Yes	4	High	Codominant trunks arise from 3 feet; dense full crown.
334	Compact blue gum	22	Yes	4	Moderate	Codominant trunks arise from 6 feet; one sided south.
335	Compact blue gum	7,6,4	No	3	Moderate	Multiple trunks arise from 3 feet; discolored foliage.
336	Compact blue gum	12,12,10,8,6,6	Yes	3	Moderate	Multiple trunks arise from 3 feet; discolored foliage.
337	Compact blue gum	8,7,7,4	Yes	3	Moderate	Multiple trunks arise from 3 feet; discolored foliage; thin crown.
338	Olive	7	No	3	Moderate	Trunk wound runs length of tree; leaning west.
339	River red gum	13	Yes	3	Moderate	Codominant trunks arise from 7 feet; one sided south.
340	Blackwood acacia	21	Yes	4	High	Multiple trunks arise from 6 feet; full spreading crown.
341	River she-oak	16	Yes	4	Moderate	Multiple trunks arise from 8 feet; pruning wounds.
342	Blackwood acacia	7	No	3	Low	Leans south; little canopy.
343	Red ironbark	15	Yes	3	Low	Codominant trunks arise from 5 feet; drooping; thin foliage.
344	Red ironbark	12	Yes	2	Low	Codominant trunks arise from 8 feet; thin foliage; declining.
345	River red gum	19	Yes	3	Moderate	Codominant trunks arise from 15 feet; one sided south; minor dieback.
346	River red gum	19	Yes	2	Low	Codominant trunks arise from 8 feet; leaning south; dieback; multiple large trunk wounds.
347	River red gum	20	Yes	2	Low	Codominant trunks arise from 8 feet; leaning south; dieback; 10 sq. foot trunk wound trunk wounds.
348	River she-oak	12	Yes	3	Moderate	Codominant trunks arise from 8 feet; narrow upright form.
349	River red gum	22	Yes	3	Low	Multiple trunks arise from 8 feet; leaning south; dieback; thin crown.

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350	Blackwood acacia	11	No	3	Moderate	Codominant trunks arise from 8 feet; minor dieback; girdling root.
351	River red gum	20	Yes	3	Moderate	Multiple trunks arise from 8 feet; leaning south; dieback; thin crown.
352	River red gum	15	Yes	4	Moderate	Codominant trunks arise from 4 feet; full spreading crown.
353	River red gum	13	Yes	3	Low	Multiple trunks arise from 15 feet; narrow upright form.
354	River she-oak	15	Yes	4	High	Upright form; full crown.
355	River she-oak	17	Yes	4	High	Upright form; full crown.
356	River she-oak	15	Yes	4	High	Upright form; full crown.
357	Olive	7,6	Yes	4	High	Good young tree; poorly pruned.
358	River she-oak	13	Yes	4	High	Codominant trunks arise from 20 feet; upright form; full crown.
359	Olive	6,6	No	3	Moderate	Multiple trunks arise from base; lion tailed; suppressed by neighboring trees.
360	River she-oak	19	Yes	4	High	Good form and structure; full crown.
361	River she-oak	13	Yes	3	Moderate	Bent top; otherwise good.
362	River she-oak	13	Yes	4	High	Multiple trunks arise from 12 feet; dense full crown.
363	Red ironbark	23	Yes	3	Low	Sinuous trunk; dense full crown.
364	Red ironbark	24	Yes	2	Low	Poor form and structure; trunk wounds; dense full crown.
365	Red ironbark	28	Yes	3	Moderate	Sinuous trunks; dense full crown.
366	River red gum	13	Yes	2	Low	Codominant trunks arise from 10 feet; very thin crown.
367	Myoporum	6,6,5,5	Yes	3	Moderate	Multiple trunks arise from base; dense full crown.
368	River red gum	16	Yes	1	Low	Lost half of tree; declining.
369	River red gum	34	Yes	3	Low	Codominant trunks arise from 8 feet; very thin crown; history or branch failure.
370	River red gum	23	Yes	3	Moderate	Codominant trunks arise from 8 feet; slightly thin crown.
371	Chir pine	7	No	4	High	Good young tree; slight lean south.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
372	Red ironbark	24	Yes	4	Moderate	Multiple trunks arise from 7 feet; full dense crown.
373	River red gum	19	Yes	3	Moderate	Codominant trunks arise from 8 feet; slightly thin crown; lion tailed.
374	Chir pine	15,10	Yes	3	Moderate	Codominant trunks arise from 3 feet with narrow attachment; partial failure; corrected.
375	Red ironbark	24	Yes	3	Moderate	Codominant trunks arise from 4 feet; history of branch failure.
376	Red ironbark	19	Yes	3	Moderate	Codominant trunks arise from 4 feet; history of branch failure; sinuous trunk.
377	Red ironbark	11	No	4	Moderate	Codominant trunks arise from 4 feet; being suppressed by #376.
378	Red ironbark	14	Yes	3	Moderate	Codominant trunks arise from 15 feet; half of crown very thin.
379	Red ironbark	25	Yes	2	Low	Codominant trunks arise from 7 feet; half of crown has failed.
380	Red ironbark	24	Yes	3	Low	Codominant trunks arise from 20 feet; history of large branch failure.
381	Red ironbark	19	Yes	3	Moderate	Codominant trunks arise from 10 feet; full spreading crown.
382	Red ironbark	20	Yes	3	Moderate	Multiple trunks arise from 15 feet; spreading crown; slightly thin.
383	Red ironbark	18	Yes	3	Moderate	Multiple trunks arise from 5 feet; spreading crown; slightly thin.
384	River red gum	16	Yes	2	Low	History of branch failures; leaning south; many bleeding trunk wounds.
385	River red gum	17	Yes	3	Moderate	Codominant trunks arise from 15 feet; leaning south.
386	River red gum	27	Yes	3	Moderate	Multiple trunks arise from 15 feet; leaning south; history of branch failure.
387	Aleppo pine	8	No	2	Low	Leaning hard south; half of a tree.
388	Olive	18,7	Yes	4	High	Codominant trunks arise from 2 feet; full spreading crown.
389	Silver dollar gum	12	Yes	3	Low	Leaning south; base outside of canopy.
390	Silver dollar gum	12	Yes	3	Moderate	Codominant trunks arise from 7 feet; thin crown at top of tree.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
391	Silver dollar gum	11	No	2	Low	Multiple trunks arise from 7 feet; thin crown; leaning heavily south.
392	Silver dollar gum	8	No	2	Low	Thin crown; leaning heavily south; very little canopy.
393	Aleppo pine	16	Yes	3	Low	Trunk makes a 90 degree turn at 6 feet.
394	Aleppo pine	16	Yes	3	Low	Trunk makes a 90 degree turn at 2 and at 6 feet.
395	Aleppo pine	18	Yes	3	Moderate	Leaning south; dense crown.
396	Myoporum	8,4	No	4	Moderate	Multiple trunks arise from 4 feet; dense full crown.
397	Myoporum	10	No	3	Moderate	Multiple trunks arise from 4 feet; dense full crown; suppressed by #398.
398	Aleppo pine	22,15	Yes	4	Moderate	Codominant trunks arise from 2 feet; wide spreading dense crown.
399	Raywood ash	11	No	4	High	Multiple trunks arise from 6 feet; dense dull crown.
400	Chir pine	7,7	No	3	Moderate	Codominant at 1'.
401	River red gum	18	Yes	3	Moderate	Multiple attachments at 8'; twig dieback.
402	Silver dollar gum	7	No	4	Moderate	Single stem; one sided to west.
403	Silver dollar gum	7,6,6	No	3	Moderate	Multiple attachments at 2'; twig dieback.
404	River red gum	31	Yes	4	Moderate	Multiple attachments at 8'; twig dieback.
405	River red gum	15	Yes	3	Low	Largely epicormics growth; twig dieback.
406	River red gum	17	Yes	2	Low	Trunk wounds; decay on area below multiple attachments.
407	River red gum	17	Yes	3	Moderate	Codominant at 9'; thin crown.
408	River red gum	16	Yes	3	Low	Trunk wound; leans east.
409	Compact blue gum	6,4,4,4,4	No	3	Moderate	Codominant at 1'; thin crown.
410	Chir pine	9	No	3	Moderate	No basal flare; thin crown; replaced leader.
411	Compact blue gum	9,8,6,5	Yes	3	Moderate	Multiple attachments at 2'; crown raised to 10'.
412	Silver dollar gum	11,6	Yes	4	Moderate	Base of trunk flat on north; full crown.
413	Silver dollar gum	10	No	4	Moderate	Codominant at 10'; full crown.

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414	Silver dollar gum	11	No	4	High	Sinuous from; full crown.
415	Silver dollar gum	13	Yes	2	Low	Cracked below Codominant attachment.
416	Silver dollar gum	11	No	4	Moderate	Full crown; small branch failure on west.
417	Silver dollar gum	7	No	2	Low	Lost central leader; poor form and structure.
418	Aleppo pine	11,10,8	Yes	3	Moderate	Trunk and crown lean to south.
419	Aleppo pine	13,11	Yes	3	Moderate	Codominant at 3'; full crown.
420	Myoporum	8,8,6,6	Yes	3	Low	Multiple attachments at base; epicormics; stem to south failing.
421	Myoporum	6,5,5	No	2	Low	Multiple attachments at base; thin crown with dieback.
422	Aleppo pine	18	Yes	3	Low	Wide Codominant attachment at 5'; poor form and structure; flat top.
423	Aleppo pine	12	Yes	2	Low	Failing at base.
424	Compact blue gum	8,6,5	Yes	3	Moderate	Multiple attachments at 3'; crown lifted to 10'; thin crown.
425	Compact blue gum	15	Yes	3	Moderate	Codominant at 4'; full crown.
426	Chir pine	8	No	2	Low	No basal flare; poor form and structure; leans south.
427	Olive	7	Yes	4	Moderate	Full crown.
428	Chir pine	18	Yes	3	Low	Codominant at 4' with narrow attachment.
429	River she-oak	7	No	3	Moderate	Replaced leader.
430	River she-oak	10	No	3	Moderate	Multiple attachments high in crown.
431	River she-oak	9	No	3	Moderate	Thin crown; okay form.
432	Chir pine	8,8	Yes	3	Low	Codominant at 1'.
433	Chir pine	9	No	3	Low	Partially failed; corrected form.
434	Myoporum	7,7,5	Yes	2	Low	Decay in base.
435	Myoporum	6,5	No	3	Low	Codominant at 1'; thin crown.
436	Western sycamore	18	Yes	4	High	Codominant high in crown; good form and structure.

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437	Chir pine	15	Yes	3	Moderate	Codominant at 5' with wide attachment; thin crown.
438	Aleppo pine	11,10	Yes	3	Low	Partially failed; wide Codominant attachment at 3'; full crown.
439	Aleppo pine	19	Yes	3	Low	Poor form and structure; mass of crossing branches.
440	Chir pine	12	Yes	3	Moderate	Corrected form.
441	Chir pine	16	Yes	4	High	Good upright form; series of small lateral limbs.
442	River she-oak	14	Yes	3	Moderate	Sap sucker damage; slightly thin.
443	River she-oak	12	Yes	3	Low	Lost central leader.
444	River she-oak	11	No	3	Low	Lost central leader.
445	River she-oak	10	No	3	Low	Lost central leader; thin crown.
446	River she-oak	12	Yes	3	Low	Heavy low lateral limb; slightly thin.
447	Canary Island pine	13	Yes	3	Moderate	Replaced leader; full crown.
448	Myoporum	13	Yes	2	Low	Very thin crown with dieback.
449	Italian stone pine	14	Yes	3	Moderate	Top of crown bows to south.
450	Myoporum	13	Yes	2	Low	Very thin crown with dieback.
451	Myoporum	13,8,8	Yes	3	Low	Multiple attachments at 3'; thin crown.
452	Myoporum	10	No	3	Low	Suppressed to east.
453	Italian stone pine	24	Yes	3	Low	Partially failed; full crown.
454	Canary Island pine	18	Yes	4	Moderate	Heavy low lateral limb.
455	Canary Island pine	18	Yes	3	Moderate	Codominant at 10' with very narrow attachment.
456	River she-oak	12	Yes	4	High	Good upright form.
457	Chir pine	11	No	4	Moderate	Heavy low lateral limb.
458	Chir pine	12	Yes	4	Moderate	Corrected form; full crown.
459	River she-oak	7	No	3	Low	Basal wound.
460	Olive	7	No	3	Moderate	Multiple attachments at 7'; small crown.
461	Aleppo pine	22	Yes	3	Moderate	Codominant at 6'; trunk and crown wind swept to south.

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462	Canary Island pine	10	No	4	High	Good upright form.
463	Canary Island pine	20	Yes	4	High	Good upright form; full crown.
464	Compact blue gum	10,9,5,5,5	Yes	3	Low	Partially failed; full crown; multiple attachments at 1'.
465	Compact blue gum	10,8,7,6,5,5	Yes	3	Moderate	Multiple attachments at 3'; full crown.
466	Compact blue gum	16,12,8	Yes	3	Low	Partially failed; full crown; multiple attachments at 1'.
467	Compact blue gum	11,9,9	Yes	3	Low	Multiple attachments at 3'; thin crown.
468	Chir pine	7	No	3	Low	Thin crown; crooked form.
469	Compact blue gum	14,9,7,7	Yes	2	Low	Declining; decay on exposed surface roots.
470	Compact blue gum	11,4	Yes	0		Dead.
471	Compact blue gum	16,12,8	Yes	3	Low	Multiple attachments at 4'; thin crown.
472	Chir pine	16	Yes	3	Low	Poor form and structure; multiple attachments at 9'.
473	Compact blue gum	9,4,4	No	0		Dead.
474	Compact blue gum	6	No	0		Dead.
475	Chir pine	11	No	3	Low	Thin crown; no basal flare.
476	Chir pine	12	Yes	3	Moderate	Sinuous form; low lateral limb.
477	Compact blue gum	12,8,8	Yes	2	Low	Extensive tortoise beetle damage.
478	Chir pine	10,9	Yes	3	Low	Codominant at 2' with very narrow attachment.
479	Compact blue gum	7,5	No	2	Low	Extensive tortoise beetle damage.
480	Compact blue gum	10,8	Yes	0		Dead.
481	Compact blue gum	33	Yes	4	High	Multiple attachments at 4'; full crown.
482	Compact blue gum	20,19	Yes	3	Moderate	Multiple attachments at 4'; tortoise beetle damage.
483	Compact blue gum	10	No	0		Dead.
484	Compact blue gum	8,5,5	No	2	Low	Ma.at 2'; declining.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
485	Compact blue gum	14	Yes	1	Low	All but dead.
486	Aleppo pine	17	Yes	2	Low	Thin crown; western gall in numerous locations.
487	Compact blue gum	16,14,12,10,8,8	Yes	4	Moderate	Multiple attachments at 2'; full crown.
488	Canary Island pine	9	No	3	Low	Good upright form; thin crown; crowded.
489	Compact blue gum	14	Yes	3	Low	Codominant at 4' with included bark.
490	Compact blue gum	7,7,5	Yes	3	Moderate	Multiple attachments at 1'; thin crown.
491	Aleppo pine	17,16,15	Yes	3	Low	Failed at base; multiple attachments at 4' are upright ; full crown.
492	Chir pine	6	No	3	Low	Crooked form.
493	Silver dollar gum	9	No	3	Moderate	No basal flare; full crown.
494	Canary Island pine	13	Yes	3	Low	Ma; high in crown.
495	Canary Island pine	15	Yes	4	High	One sided to south; good upright form.
496	Canary Island pine	9	No	4	High	Good upright form; slightly thin.
497	Canary Island pine	11	No	4	Moderate	Crooked form; full crown.
498	Canary Island pine	10	No	4	Moderate	Good form; slightly thin.
499	River red gum	22	Yes	3	Moderate	History of branch failures; trunk bows south.
500	River red gum	22	Yes	3	Moderate	Multiple attachments at 10'; twig dieback.
501	Silver dollar gum	11	No	3	Low	No basal flare; trunk leans south.
502	River red gum	15	Yes	3	Low	Trunk wound; codominant attachment at 7' is beginning to crack apart.
503	Silver dollar gum	15	Yes	4	High	Good form and structure; slightly thin.
504	Silver dollar gum	10	No	3	Moderate	Good form and structure; twig dieback.
505	Silver dollar gum	6	No	3	Moderate	Replaced leader.
506	Silver dollar gum	7,5	No	3	Moderate	Codominant at 1'.
507	Silver dollar gum	6	No	3	Moderate	Codominant at 7'.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
508	Silver dollar gum	8	No	2	Low	Extensive trunk wound.
509	Canary Island pine	10	No	4	High	Good upright form; codominant high in crown.
510	Aleppo pine	16	Yes	3	Low	Codominant attachment removed; base outside dripline to west.
511	River red gum	17	Yes	3	Low	Base outside dripline to west; crossing branch at 12'.
512	Canary Island pine	11	No	4	High	Crook at 7'.
513	Aleppo pine	20	Yes	4	High	Slightly corrected form; full dense crown.
514	Aleppo pine	19,14	Yes	3	Low	Codominant at 3'; partially failed.
515	Aleppo pine	25,21	Yes	3	Moderate	Codominant at 3'; upright form; full crown.
516	Red ironbark	23	Yes	4	Moderate	Good form and structure; thin crown.
517	Red ironbark	33	Yes	4	Moderate	Multiple attachments at 5'; full crown; small branch failures.
518	Red ironbark	8	No	0		Dead.
519	Western sycamore	15	Yes	4	High	Sinuous form.
520	Nichol's willowleafed peppermint	12	Yes	4	High	Replaced leader.
521	Nichol's willowleafed peppermint	12	Yes	4	High	Good form and structure.
522	Aleppo pine	18,17	Yes	3	Low	Partially failed ; codominant at 3'; trunks kiss at 4'.
523	River red gum	26	Yes	4	Moderate	Multiple attachments at 10'; minor branch dieback.
524	Red ironbark	22	Yes	3	Low	Half of tree failed leaving large wound on the west side; full crown.
525	Aleppo pine	14,14	Yes	3	Moderate	Codominant at 2'; crown wind swept to south.
526	River red gum	19	Yes	3	Moderate	Base outside dripline to west.
527	Red ironbark	20	Yes	2	Low	Half of tree failed leaving large wound on the west side; history of branch failures.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
528	River red gum	20	Yes	3	Moderate	Twig dieback; multiple attachments at 6'.
529	River red gum	23	Yes	2	Low	Cavity on west with extensive decay; central leader failed.
530	River red gum	20	Yes	3	Low	Branch failed on west leaving wound; twig dieback.
531	Myoporum	6	No	2	Low	Circling roots; thin crown.
532	Myoporum	7	No	2	Low	Circling roots; thin crown.
533	River red gum	20	Yes	2	Low	Extensive trunk decay; twig dieback.
534	Silver dollar gum	12	Yes	3	Low	High narrow crown bows heavily to west.
535	Silver dollar gum	11	No	4	High	Good form and structure; slightly thin.
536	Silver dollar gum	8	No	3	Low	Trunk wound; twig dieback.
537	River red gum	21	Yes	2	Low	Extensive trunk decay; twig dieback.
538	River red gum	20	Yes	3	Low	Multiple attachments at 12'; decay on central upright leader; sap suckers.
539	River red gum	17	Yes	2	Low	Ball magnet; burl/girdling root at base? twig dieback.
540	Fremont cottonwood	15	Yes	4	High	Codominant trunks arise from 8 feet; leaning slightly south.
541	Fremont cottonwood	12	Yes	4	High	Codominant trunks arise from 15 feet; leaning slightly south.
542	Fremont cottonwood	10	No	3	Moderate	Codominant trunks arise from 8 feet; leaning slightly south; dead lower limbs.
543	Red ironbark	16	Yes	4	Moderate	Multiple trunks arise from 6 feet; full crown; slightly thin.
544	Red ironbark	17	Yes	3	Moderate	Codominant trunks arise from 8 feet; full crown; poor structure.
545	River red gum	12	Yes	2	Low	Declining; leaning south; parts of trunk dead; thin crown.
546	Red ironbark	15	Yes	4	Moderate	Codominant trunks arise from 8 feet; full crown; branch wound 1 foot long.
547	River red gum	15	Yes	3	Low	Codominant trunks arise from 8 feet; wide poorly formed attachment; history of branch failure.

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548	Fremont cottonwood	12	Yes	3	Moderate	Leans south; early defoliated.
549	Fremont cottonwood	19	Yes	4	High	Codominant trunks arise from 15 feet; leans slightly south; full crown.
550	Red ironbark	11	No	4	Moderate	Multiple trunks arise from 10 feet; full crown.
551	Red ironbark	16	Yes	3	Moderate	Codominant trunks arise from 7 feet; thin upper crown.
552	River red gum	13	Yes	3	Moderate	Codominant trunks arise from 10 feet; lion tailed; narrow crown.
553	River red gum	13	Yes	3	Moderate	Codominant trunks arise from 15 feet; leaning south; narrow form.
554	Myoporum	8,7,5,4,3,3	Yes	4	High	Multiple trunks arise from base; full rounded crown.
555	Red ironbark	9	No	3	Moderate	Codominant trunks arise from 7 feet; thin upper crown.
556	Red ironbark	12	Yes	3	Low	Codominant trunks arise from 7 feet; thin upper crown; history of branch failure.
557	Red ironbark	15,7,5	Yes	2	Low	Multiple trunks arise from base; top dead.
558	River red gum	12	Yes	3	Moderate	Codominant trunks arise from 7 feet; narrow form; healed trunk wounds.
559	Fremont cottonwood	7	No	4	High	Good form and structure; defoliated early; leans south.
560	Fremont cottonwood	6	No	4	High	Good form and structure; defoliated early; leans south.
561	Red ironbark	12	Yes	4	Moderate	Codominant trunks arise from 7 feet; heavy kino production.
562	River red gum	13	Yes	3	Moderate	Codominant trunks arise from 7 feet; weeping and wind swept south.
563	River red gum	7	No	5	High	Good form and structure; good young tree.
564	River red gum	9	No	3	Moderate	Codominant trunks arise from 10 feet with seam; leaning south; 1 foot long trunk wound.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
565	Red ironbark	15	Yes	3	Moderate	Multiple trunks arise from 7 feet; dead branch; thin upper crown.
566	River red gum	12	Yes	3	Moderate	Codominant trunks arise from 8 feet failed; one sided west.
567	River red gum	9	No	3	Moderate	Spindly form; leaning south.
568	Red ironbark	13	Yes	3	Low	Multiple trunks arise from 10 feet; poor form and structure; thin crown.
569	Red ironbark	11	No	3	Moderate	Multiple trunks arise from 5 feet; full crown; history of branch failure.
570	River red gum	8	No	2	Low	Codominant trunks arise from 8 feet; leaning south; declining.
571	River red gum	7	No	3	Moderate	Codominant trunks arise from 8 feet; thin crown; die back.
572	River red gum	12	Yes	3	Moderate	Codominant trunks arise from 15 feet; narrow form; trunk degrading.
573	River red gum	13	Yes	3	Moderate	Multiple trunks arise from 15 feet; trunk degrading.
574	River red gum	9	No	3	Moderate	Codominant trunks arise from 8 feet; dieback; windswept south.
575	Red ironbark	15	Yes	4	High	Multiple trunks arise from 10 feet; slightly thin in top of crown.
576	Red ironbark	18,11	Yes	3	Moderate	Multiple trunks arise from 3 feet; one sided south.
577	Red ironbark	15,7	Yes	3	Moderate	Codominant trunks arise from 3 feet; one sided west; 2 foot long branch wound.
578	Spotted gum	10	No	4	High	Multiple trunks arise from 7 feet; full crown.
579	Red ironbark	15	Yes	3	Moderate	Codominant trunks arise from 15 feet; slightly thin crown.
580	Red ironbark	12,9	Yes	3	Moderate	Codominant trunks arise from 4 feet; history of branch failure.
581	Red ironbark	12	Yes	2	Low	Lost half of tree.
582	Red ironbark	8	No	3	Moderate	One sided and windswept south; thin canopy.
583	Red ironbark	11	No	3	Moderate	Codominant trunks arise from 7 feet; thin crown.
584	Red ironbark	10	No	4	High	Good tree; slightly one sided south.

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585	River red gum	9	No	3	Moderate	Codominant trunks arise from 12 feet; trunk bowed was at 5 feet.
586	River red gum	8	No	5	High	Good form and structure; full crown.
587	River red gum	6	No	3	Low	Codominant trunks arise from 8 feet; thin crown; dieback.
588	River red gum	15	Yes	4	Moderate	Codominant trunks arise from 14 feet; full crown.
589	River red gum	13	Yes	3	Moderate	Codominant trunks arise from 10 feet; thin crown.
590	Red ironbark	13	Yes	4	High	Strong central leader; full crown; weeping form.
591	River red gum	11	No	3	Moderate	Codominant trunks arise from 20 feet; thin crown; lowest branch with included bark.
592	River red gum	15	Yes	3	Moderate	Trunk bows south at 10 feet; one sided south.
593	Red ironbark	11	No	4	High	Strong central leader; top bows west.
594	Red ironbark	13	Yes	4	Moderate	Multiple trunks arise from 20 feet; thin upper crown.
595	River red gum	6	No	2	Low	Upper crown totally dead.
596	River red gum	10	No	3	Moderate	Good structure; upper trunk bent west.
597	Red ironbark	7	No	3	Moderate	Codominant trunks arise from 7 feet; leaning heavily south.
598	River red gum	6	No	3	Moderate	Good structure; trunk bent south at 10 feet.
599	Red ironbark	13	Yes	3	Low	Multiple trunks arise from 10 feet; history of branch failure; thin upper crown.
600	River red gum	8	No	4	Moderate	Good form and structure; leans south.
601	River red gum	11	No	3	Moderate	Trunk spindly and wind swept south; two foot long trunk wound.
602	River red gum	10	No	3	Low	Failed main stem at 10 feet; vigorous sprouting into new leader.
603	River red gum	9	No	3	Moderate	Multiple trunks arise from 10 feet with crossing branches; windswept south.
604	River red gum	10	No	2	Low	Codominant trunks arise from 10 feet; dieback; 2 2 foot long trunk wounds.

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605	River red gum	9	No	3	Moderate	Sinuous trunk; full crown.
606	Red ironbark	11	No	2	Low	Lost most of tree.
607	Red ironbark	6	No	2	Low	2 stems dead; partial failure.
608	River red gum	11	No	4	Moderate	Narrow form; good vigor.
609	River red gum	8	No	2	Low	Cracked stem; declining.
610	River red gum	11	No	3	Moderate	Codominant trunks arise from 10 feet; windswept south.
611	River red gum	8	No	3	Low	Lost central leader; sunburnt trunk.
612	Red ironbark	13,6,6	Yes	3	Moderate	Multiple trunks arise from 3 feet; full spreading crown.
613	River red gum	8	No	3	Moderate	Narrow form; leaning south; minimal canopy.
614	River red gum	7	No	3	Moderate	Codominant trunks arise from 7 feet; narrow canopy.
615	River red gum	6	No	3	Low	Poor form and structure; crossing codominant stems at 8 feet.
616	Red ironbark	14	Yes	3	Moderate	Lost central leader; full spreading crown.
617	River red gum	8	No	3	Moderate	Codominant trunks arise from 7 feet; slightly thin crown.
618	River red gum	8	No	3	Moderate	Codominant trunks arise from 7 feet; leaning heavily south; dieback.
619	River red gum	9	No	3	Moderate	Codominant trunks arise from 9 feet; leaning heavily south; dense canopy.
620	River red gum	15	Yes	4	Moderate	Codominant trunks arise from 5 feet; spreading crown.
621	River red gum	15	Yes	4	High	Good form and structure; bark checking at 1 foot.
622	River red gum	8	No	3	Moderate	Leaning and windswept south.
623	River red gum	8	No	4	High	Good form and structure; narrow form; prune off codominant trunks arise from 8 feet.
624	Red ironbark	20	Yes	4	High	Codominant trunks arising from 12 feet; full spreading crown.
625	Red ironbark	14	Yes	3	Moderate	Multiple trunks arise from 10 feet; foot long trunk wound; thin upper crown.

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626	River red gum	11	No	3	Moderate	Good form and structure; leaning heavily south.
627	River red gum	11	No	3	Moderate	Many golf ball wounds; wind swept south.
628	Red ironbark	13	Yes	3	Moderate	Codominant trunks arise from 12 feet; history of branch failure.
629	River red gum	11	No	4	Moderate	Lost top with decay; good form and structure.
630	River red gum	16	Yes	4	Moderate	Codominant at 7'; 2 small branch failure.
631	Red ironbark	17	Yes	4	High	Good form and structure ; full dense crown.
632	River red gum	14	Yes	4	Moderate	Lost top with decay.
633	River red gum	9	No	3	Moderate	Branch failure on south left wound; high small crown.
634	Red ironbark	17,12,12,12	Yes	3	Moderate	Multiple attachments at base; heavy lateral limb; history of branch failures.
635	River red gum	12	Yes	4	Moderate	Good form and structure; small branch failure.
636	River red gum	9	No	3	Moderate	Trunk wound; leans south.
637	River red gum	13	Yes	4	Moderate	Bark checking at base; good form and structure; full crown.
638	River red gum	12	Yes	4	High	Good form and structure; minor bark checking at base; slight lean south.
639	River red gum	12	Yes	4	High	Good form and structure; high narrow crown.
640	Red ironbark	21	Yes	4	High	Good form and structure; codominant at 8'; full crown.
641	Red ironbark	18	Yes	4	High	Good form and structure; multiple attachments at 8'; full crown.
642	Red ironbark	8,5,4	No	4	High	Good young tree; full low crown.
643	River red gum	13	Yes	4	High	Tall narrow crown; codominant at 9'.
644	River red gum	11	No	3	Moderate	Crown bows heavily to south.
645	River red gum	10	No	4	High	Good form and structure; minor bark checking at base.
646	Red ironbark	19	Yes	3	Moderate	Decay in area below multiple attachment where branch failed; otherwise good tree with full crown.

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647	Red ironbark	15	Yes	3	Low	Half of tree failed leaving large wound; otherwise full crown.
648	Red ironbark	7,6,6,5,4,4	Yes	3	Low	Stump sprout from base.
649	River red gum	15	Yes	4	High	Tall narrow form; slight lean south.
650	River red gum	8	No	4	Moderate	Minor dieback in upper crown.
651	River red gum	10	No	3	Low	Basal decay; good crown.
652	River red gum	13	Yes	3	Moderate	Trunk bows south; full crown.
653	River red gum	12	Yes	3	Moderate	Trunk bows south; corrected form; twig dieback.
654	Fremont cottonwood	6	No	3	Moderate	Leans south.
655	River red gum	9	No	2	Low	Thin crown; dead central leader; basal wound with decay.
656	Mexican fan palm	18	Yes	4	High	At fence line in ditch; fronds to ground; 15' brown trunk.
657	River red gum	14	Yes	4	Moderate	Narrow codominant attachment at 12'; full crown.
658	River red gum	11	No	3	Moderate	Base outside dripline to south; codominant at 12'.
659	Olive	7.7	Yes	4	Moderate	Codominant at base; one stem bows west.
660	Olive	9.6	Yes	4	Moderate	Codominant at base and 4'; full crown.
661	Olive	6.6	Yes	4	Moderate	Codominant at base and 4'; full crown suppressed to southwest.
662	River red gum	22	Yes	4	High	Good form and structure; crown lifted to 20'.
663	River red gum	26	Yes	3	Moderate	Partially failed with corrected form; full crown.
664	Aleppo pine	20	Yes	3	Moderate	Low lateral limb turns upright; heavy sap production.
665	Aleppo pine	15	Yes	3	Moderate	Heavy lean to south.
666	Evergreen ash	13,13,10	Yes	4	Moderate	Multiple attachments at base; full crown.
667	River red gum	12,11,9	Yes	3	Low	Multiple attachments at base cracking apart; base outside dripline to south.

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668	Red ironbark	24	Yes	3	Moderate	Poor form and structure; central leader bows south; cavity from failed stem.
669	Myoporum	21	Yes	3	Moderate	Multiple attachments at 5'; history of branch failures.
670	Myoporum	22	Yes	3	Low	Multiple attachments at 5'; thin crown with dieback.
671	Myoporum	14.12	Yes	3	Low	Codominant at 3'; suppressed form.
672	Italian stone pine	22.17	Yes	4	Moderate	Codominant at 3' & 6'; full dense crown.
673	Italian stone pine	34	Yes	3	Moderate	Cavity from failed attachment at 3'; corrected form; partial failure.
674	Myoporum	20	Yes	4	Moderate	Multiple attachments at 4'; full crown.
675	Myoporum	17	Yes	3	Moderate	Codominant at 5'; suppressed form to north.
676	Red ironbark	22	Yes	4	Moderate	Codominant at 6'; full dense crown.
677	Red ironbark	19	Yes	3	Moderate	Codominant at 6'; slightly thin.
678	River red gum	32	Yes	3	Moderate	Multiple attachments at 7'; slightly thin with twig dieback.
679	Red ironbark	17	Yes	4	Moderate	Good form and structure; slightly thin.
680	Red ironbark	14	Yes	3	Low	Codominant at 7' cracked apart.
681	River red gum	6.5	No	1	Low	All but dead.
682	River red gum	11	No	3	Moderate	Corrected form; thin crown.
683	Red ironbark	17	Yes	3	Moderate	One stem removed on south; full crown.
684	Red ironbark	20	Yes	3	Low	History of branch failures; one stem removed on west; full crown.
685	Red ironbark	13	Yes	3	Moderate	Crooked form.
686	Red ironbark	15	Yes	3	Moderate	Codominant at 6'; full crown.
687	River red gum	18	Yes	3	Moderate	Ball magnet ; twig and branch dieback.
688	Red ironbark	15	Yes	2	Low	History of branch failures; thin crown; poor form and structure.
689	Red ironbark	17	Yes	2	Low	Extremely thin crown.
690	Red ironbark	24	Yes	4	Moderate	Codominant at 6'; full crown; slightly thin in upper crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
691	Red ironbark	15	Yes	1	Low	All but dead.
692	Red ironbark	10	No	2	Low	Extremely thin crown.
693	Red ironbark	13,11,10	Yes	3	Moderate	Multiple attachments at 1'; thin upper crown.
694	Red ironbark	19	Yes	3	Moderate	Codominant at 5' with seam below attachment; full crown.
695	Olive	6,5,5	Yes	4	Moderate	Multiple attachments at 3'; full crown lifted to 8'.
696	Red ironbark	11,11,10	Yes	3	Moderate	Multiple attachments at 2'; thin crown.
697	Red ironbark	21	Yes	3	Low	Multiple attachments at 5' with narrow attachments; central leader failed leaving wound.
698	Red ironbark	20	Yes	3	Moderate	Codominant at 10'; high thin crown.
699	Red ironbark	16	Yes	3	Moderate	Good upright form ; excessive trunk bleeding.
700	Red ironbark	9,7	Yes	3	Low	Codominant at 3; one sided to south.
701	Red ironbark	20	Yes	2	Low	Thin crown; stem removed on south; leaves browning.
702	River red gum	13	Yes	3	Low	Twig and branch dieback.
703	Red ironbark	14	Yes	3	Low	History of branch failures; thin crown.
704	River red gum	19	Yes	3	Moderate	Thin crown.
705	Red ironbark	16	Yes	3	Moderate	Extremely thin crown; good form and structure.
706	Red ironbark	20	Yes	3	Moderate	Poor form and structure; crown wind swept to south.
707	River red gum	13	Yes	4	Moderate	Good upright form ; minor bark checking at base.
708	Red ironbark	27	Yes	3	Moderate	Girdling roots; codominant at 8'; full dense crown.
709	Red ironbark	22	Yes	2	Low	History of branch failures; poor form and structure.
710	Red ironbark	24	Yes	3	Moderate	History of branch failure; leans south.
711	Red ironbark	31	Yes	3	Moderate	Multiple attachments at 3'; full crown.
712	Red ironbark	24	Yes	3	Low	Poor form and structure; cavity on north.
713	Red ironbark	26	Yes	3	Moderate	Codominant at 6' with wide attachment.
714	Western sycamore	21	Yes	4	Moderate	Codominant at 5' with wide attachment; suppressed to west.

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715	Myoporum	10,8,8	Yes	3	Low	Multiple attachments at base; decay in point of attachment.
716	Myoporum	10,7,6	Yes	3	Moderate	Multiple attachments at base; full crown.
717	Myoporum	11,8,8,6	Yes	3	Moderate	Multiple attachments at base; full crown.
718	River red gum	26	Yes	3	Low	Severe lean south.
719	Red ironbark	15	Yes	3	Moderate	Good upright form; Cd; high in crown.
720	Red ironbark	21	Yes	3	Low	Upright stem failed leaving large wound; full crown.
721	Red ironbark	31	Yes	3	Moderate	Codominant at 10'; full crown.
722	Red ironbark	22	Yes	3	Low	Large stem failed on the south; otherwise full crown.
723	Red ironbark	25	Yes	3	Low	Codominant at 8'; trunk cavity on south; thin crown.
724	River red gum	23	Yes	3	Moderate	History of branch failures; thin crown.
725	Red ironbark	22	Yes	3	Low	Central leader failed; poor form and structure.
726	River red gum	13	Yes	4	Moderate	Good form and structure.
727	River red gum	14	Yes	2	Low	Extensive dieback; upright leader dead.
728	River red gum	14,10,9	Yes	1	Low	Little live foliage; extensive dieback.
729	River red gum	34	Yes	3	Moderate	Thin crown; poor color.
730	River red gum	16,10,11	Yes	2	Low	Central leader dead; trunk wounds.
731	River red gum	13	Yes	3	Low	History of branch failures; twig and branch dieback.
732	Yellow willow	6	No	3	Low	Thin upper crown; edge of bank.
733	Yellow willow	6	No	3	Moderate	Edge of bank; good form; small stems from base.
734	Aleppo pine	18,9	Yes	2	Low	Failed at base; flat top; excessive sap.
735	Aleppo pine	6	No	3	Low	Failing at base; leans east.
736	Aleppo pine	16,13	Yes	2	Low	Failed at base; laying on bank; excessive sap; full crown.
737	Aleppo pine	6	No	3	Moderate	Leans west.
738	Aleppo pine	9,9,6	Yes	3	Low	Multiple attachments at 2'; suppressed to east.
739	Aleppo pine	22,22	Yes	3	Moderate	One sided to east; codominant at 3'; full crown.

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740	Aleppo pine	13,11,10	Yes	3	Low	Failing at base; leans east; codominant at base and 3'.
741	Aleppo pine	13,9	Yes	3	Low	Failed at base; laying on bank; full crown.
742	Aleppo pine	7	No	2	Low	Poor form and structure.
743	Aleppo pine	17,17	Yes	2	Low	Failing at base; codominant at 1'; one sided to north; trunk wound.
744	Aleppo pine	13,9	Yes	1	Low	Failed at base.
745	Aleppo pine	15	Yes	1	Low	Failing at base; crown bows heavy to north.
746	Aleppo pine	13	Yes	1	Low	Little live crown.
747	Aleppo pine	7	No	2	Low	Trunk leans south.
748	Aleppo pine	6	No	2	Low	Failing at base; leans south.
749	Aleppo pine	6	No	2	Low	Trunk leans west.
750	Aleppo pine	23	Yes	2	Low	Large stem failure has live foliage; remaining tree bows south.
751	Aleppo pine	6	No	3	Low	Corrected form; bow at 6'.
752	Aleppo pine	20,20	Yes	1	Low	Trunk split apart; one stem lays on bank.
753	Aleppo pine	21,15	Yes	2	Low	Failing at base; codominant at 1'; flat top.
754	Mexican fan palm	8	No	4	High	4' brown trunk; at edge of power pole.
755	Aleppo pine	11,10	Yes	1	Low	Collapsing crown; codominant at base.
756	Aleppo pine	17	Yes	1	Low	Failed at base; only small tuft of live foliage.
757	Aleppo pine	18	Yes	3	Moderate	Codominant high in crown; upright with full crown.
758	Aleppo pine	18,9	Yes	2	Low	Failing at base; poor form and structure.
759	River red gum	7,5	No	3	Moderate	At edge of fence ; codominant at base; upright form.
760	Yellow willow	9,3,2,2	No	3	Moderate	Multiple attachments at base; full crown; crown reduced along fence edge.
761	River red gum	8	No	3	Moderate	At edge of fence ; full crown; upright form.
762	Mexican fan palm	20	Yes	4	High	8' brown trunk; grows at edge of fence.

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763	Aleppo pine	10	No	3	Moderate	Trunk leans east.
764	Aleppo pine	16,14,12	Yes	2	Low	Failed at base; upright stems create canopy.
765	Aleppo pine	16	Yes	2	Low	Failed at base; lays on bank; full crown.
766	Aleppo pine	13	Yes	3	Low	Under power lines; upright form.
767	Aleppo pine	14	Yes	2	Low	Failed at base; full crown.
768	Aleppo pine	7	No	3	Low	Codominant at 4' with seam below attachment.
769	Aleppo pine	12	Yes	2	Low	Poor form and structure; failing at base.
770	Aleppo pine	12,11	Yes	2	Low	Topped under power lines; failing at base.
771	Aleppo pine	7	No	1	Low	Falling apart; poor form and structure.
772	Aleppo pine	21	Yes	3	Moderate	Codominant at 5'; full crown; crown reduced on west.
773	Aleppo pine	11,10	Yes	2	Low	Codominant at base; poor form and structure.
774	Aleppo pine	13,13	Yes	2	Low	Failing at base; full crown.
775	Aleppo pine	7,4	No	3	Moderate	No tag; outside fence; multiple attachments at base; upright form.
776	Aleppo pine	6	No	3	Moderate	Outside fence; upright form.
777	Aleppo pine	7,6	No	1	Low	Poor form and structure; little live foliage.
778	Aleppo pine	13	Yes	1	Low	Poor form and structure; stem turns to 90° at 4.
779	Aleppo pine	15,11	Yes	2	Low	Codominant at 1'; poor form and structure.
780	Aleppo pine	22,14	Yes	3	Moderate	22" stem has multiple attachments at 5'; codominant at base; full crown.
781	Aleppo pine	22	Yes	2	Low	Failing at base; multiple attachments at 5'; full crown; history of branch failures.
782	Aleppo pine	15	Yes	1	Low	Collapsing crown; heavy bow to east.
783	Italian stone pine	6	No	3	Moderate	Corrected form; low branches to ground.
784	Italian stone pine	6,4	No	3	Moderate	Codominant at 2'; low branches to ground.
785	Italian stone pine	6	No	4	High	Corrected form; low branches to ground; good young tree.

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786	Italian stone pine	6,4	No	3	Moderate	Low branches to ground; codominant at 1'.
787	Callery pear	6	No	3	Moderate	No tag; full crown; codominant at 5'.
788	Callery pear	7	No	4	Moderate	No tag; full crown; sprouts from base.
789	Callery pear	6	No	4	Moderate	No tag; full crown; sprouts from base.
790	Callery pear	7	No	4	Moderate	No tag; full crown; twisted trunk.
791	Callery pear	7	No	4	Moderate	No tag; full crown; sprouts from base.
792	Callery pear	7	No	4	Moderate	No tag; full crown; sprouts from base.
793	Callery pear	6	No	4	Moderate	No tag; full crown.
794	Callery pear	8	No	4	Moderate	No tag; full crown; twisted trunk.
795	Canary Island date palm	31	Yes	5	High	25' brown trunk.
796	Canary Island date palm	25	Yes	4	High	20' brown trunk; trunk narrows at top.
797	Canary Island date palm	28	Yes	4	High	20' brown trunk; trunk narrows at top; slightly yellowing fronds.
798	Canary Island date palm	24	Yes	4	High	25' brown trunk; slightly yellowing fronds.
799	Canary Island date palm	28	Yes	3	Moderate	20' brown trunk; slightly yellowing fronds; thin crown.
800	Canary Island date palm	26	Yes	3	Moderate	25' brown trunk; yellowing fronds.
801	Victorian box	7	No	3	Moderate	Good form and structure; poor color.
802	Canary Island date palm	21	Yes	3	Moderate	25' brown trunk; yellowing fronds; thin crown.
803	Canary Island date palm	30	Yes	3	Moderate	25' brown trunk; yellowing fronds.
804	Carob	15	Yes	1	Low	Extensive dieback; ganoderma; multiple attachments arise from base.

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805	Carob	9	No	1	Low	Extensive dieback.
806	Carob	7,5,5,5,5,5,5	Yes	3	Low	Multiple attachments at base; full crown.
807	Carob	17	Yes	3	Low	Full crown; poor color.
808	Carob	7	No	1	Low	Extensive dieback; central leader dead.
809	Carob	7	No	3	Low	Small crown; codominant at 7'.
810	Carob	11	No	2	Low	Dieback in upper crown.
811	Carob	11	No	3	Moderate	Codominant at 7'.
812	Carob	13	Yes	2	Low	Thin crown; poor color.
813	Carob	12	Yes	2	Low	Thin crown; poor color; twig dieback.
814	Carob	13	Yes	2	Low	Thin crown; poor color; twig dieback; history of branch failures.
815	Cherry	8	No	2	Low	Extensive dieback in upper crown.
816	Carob	11	No	4	Moderate	Good form and structure.
817	Carob	9	No	4	Moderate	Good form and structure.
818	Carob	13	Yes	3	Low	Small crown; reduced from edge of building.
819	Callery pear	9	No	4	Moderate	Multiple attachments at 3'; full crown.
820	Callery pear	10	No	3	Moderate	Narrow attachments; upright form.
821	Canary Island pine	7	No	4	High	Excellent upright form; slightly thin.
822	Canary Island pine	7	No	4	High	Upright form; slightly thin and crooked.
823	Carob	19	Yes	4	Moderate	Multiple attachments at 7'; full crown.
824	Carob	11	No	2	Low	Multiple attachments at 5'; twig dieback.
825	Carob	12	Yes	2	Low	Multiple attachments at 7'; twig dieback; one attachment pruned off poorly.
826	Canary Island pine	9	No	4	High	Upright form; slightly thin and crooked.
827	Canary Island pine	9	No	4	High	Excellent upright form; slightly thin.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
828	Canary Island pine	12	Yes	4	High	Group of 3; good form and structure.
829	Canary Island pine	11	No	4	High	Group of 3; good form and structure.
830	Canary Island pine	10	No	4	Moderate	Group of 3; low branch turns upright at 9'.
831	Callery pear	8,7	No	2	Low	Codominant stems cracked apart with decay.
832	Callery pear	7,7,5	Yes	3	Moderate	Multiple attachments at 4'; full crown.
833	Canary Island pine	10	No	4	High	Upright form; slightly thin and crooked.
834	Canary Island pine	9	No	4	High	Dense crown; low lateral limbs.
835	Canary Island pine	11	No	4	High	Upright form; slightly crooked.
836	Evergreen ash	20	Yes	4	Moderate	Full dense crown; multiple attachments at 8'.
837	Evergreen ash	15	Yes	4	Moderate	Full dense crown; multiple attachments at 7'.
838	Carob	8,7,6,6	Yes	3	Low	Multiple attachments at base; poor form and structure.
839	Carob	8,8,6	Yes	3	Low	Multiple attachments at base; poor form and structure; full crown.
840	Evergreen ash	14	Yes	3	Moderate	Multiple attachments at 8'; slightly thin.
841	Carob	7,5,5,5	Yes	3	Low	Multiple attachments at base; poor form and structure.
842	Carob	11	No	3	Moderate	Multiple attachments at 8'; slightly thin.
843	Carob	14	Yes	4	Moderate	Full dense crown; multiple attachments at 7'; large exposed roots.
844	Mexican fan palm	15	Yes	4	High	65' brown trunk.
845	Mexican fan palm	15	Yes	4	High	80' brown trunk; trunk slightly narrowing.
846	Mexican fan palm	16	Yes	4	High	65' brown trunk.
847	Mexican fan palm	16	Yes	4	High	65' brown trunk; slight bow in trunk.
848	Mexican fan palm	16	Yes	4	High	60' brown trunk.
849	Mexican fan palm	15	Yes	4	Moderate	75' brown trunk; trunk slightly narrowing; pseudo bark high on trunk.
850	Mexican fan palm	21	Yes	4	High	70' brown trunk.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
851	Mexican fan palm	15	Yes	4	Moderate	75' brown trunk; trunk slightly narrowing; pseudo bark high on trunk.
852	Mexican fan palm	16	Yes	4	Moderate	70' brown trunk; pseudo bark high on trunk.
853	Evergreen ash	8	No	4	Moderate	Codominant at 8'; full crown.
854	Carob	10	No	2	Low	Multiple attachments at 8'; thin crown with dieback.
855	Evergreen ash	8	No	3	Moderate	Multiple attachments at 8'; thin crown.
856	Evergreen ash	7	No	2	Low	Multiple attachments at 8'; thin crown with dieback.
857	Evergreen ash	6	No	1	Low	Extensive trunk sunburn and dieback.
858	Evergreen ash	9	No	3	Moderate	Multiple attachments at 8'.
859	Evergreen ash	7	No	3	Low	One sided to west; multiple attachments at 7'.
860	Evergreen ash	8	No	3	Low	One sided to west; multiple attachments at 7'.
861	Evergreen ash	7	No	3	Low	One sided to west; multiple attachments at 7'.
862	Carob	9	No	3	Moderate	Minor deadwood.
863	Evergreen ash	7	No	3	Moderate	Multiple attachments at 7'.
864	Evergreen ash	7	No	2	Low	Sunburn trunk; included bark at 7'.
865	Carob	8	No	3	Moderate	Multiple attachments at 7'.
866	Evergreen ash	8	No	4	Moderate	Multiple attachments at &'; full crown.
867	Mexican fan palm	15	Yes	4	Moderate	70' brown trunk; pseudo bark high on trunk.
868	Mexican fan palm	14	Yes	4	High	65' brown trunk.
869	Mexican fan palm	14	Yes	4	Moderate	70' brown trunk; pseudo bark high on trunk.
870	Mexican fan palm	16	Yes	4	Moderate	70' brown trunk; pseudo bark high on trunk.
871	Carob	16	Yes	3	Low	Trunk twisting ; thin crown.
872	Mexican fan palm	15	Yes	4	Moderate	70' brown trunk; pseudo bark high on trunk.
873	Mexican fan palm	16	Yes	3	Moderate	70' brown trunk; pseudo bark high on trunk and very narrow in area; crooked form.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
874	Mexican fan palm	14	Yes	4	Moderate	80' brown trunk; pseudo bark high on trunk.
875	Mexican fan palm	17	Yes	4	Moderate	85' brown trunk; pseudo bark high on trunk.
876	Australian willow	12	3	Moderate	Yes	Multiple trunks arise from 5 feet; all internal branches have been pruned off; raised canopy.
877	Coast redwood	13	3	Moderate	Yes	One sided south; straight central leader; drought stressed.
878	Aleppo pine	13	3	Moderate	Yes	Crowded by neighboring trees; narrow canopy; crook in trunk at 6 feet.
879	Aleppo pine	10	1	Low	No	Suppressed by neighboring trees; most of tree pruned off.
880	Aleppo pine	13	3	Low	Yes	Codominant trunks arise from 8 feet; crowded by neighboring trees; poor form and structure.
881	Aleppo pine	16	3	Moderate	Yes	Crowded by neighboring trees; crook in trunk at 6 feet; narrow crown.
882	Aleppo pine	8	2	Low	No	Crowded by neighboring trees; crook in trunk at 4 feet; poor form and structure.
883	Aleppo pine	15	3	Moderate	Yes	Crowded by neighboring trees; crook in trunk at 5 feet; leaning west.
884	Aleppo pine	7	2	Low	No	Suppressed by neighboring trees; crook in trunk at 5 feet; poor form and structure.
885	Aleppo pine	11	2	Low	No	Suppressed by neighboring trees; leaning heavily west.
886	Aleppo pine	19	3	Moderate	Yes	Crowded by neighboring trees; crook in trunk at 5 feet.
887	Aleppo pine	12	3	Moderate	Yes	Crowded by neighboring trees; sinuous trunk; narrow form.
888	Aleppo pine	15	3	Moderate	Yes	Crowded by neighboring trees; crook in trunk at 5 feet.
889	Aleppo pine	12	2	Low	Yes	Codominant trunks arise from 7 feet; crowded by neighboring trees; crook in trunk at 5 feet.
890	Aleppo pine	15	3	Low	Yes	Codominant trunks arise from 7 feet; crowded by neighboring trees; crook in trunk at 10 feet.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
891	Aleppo pine	11	3	Moderate	No	Crowded by neighboring trees; crook in trunk at 6 feet; narrow form.
892	Aleppo pine	9	3	Moderate	No	Crowded by neighboring trees; crook in trunk at 6 feet; leaning east.
893	Aleppo pine	11	2	Low	No	Crowded by neighboring trees; poor form and structure.
894	Aleppo pine	14,9	2	Low	Yes	Crowded by neighboring trees; poor form and structure.
895	Aleppo pine	8	3	Low	No	Crowded by neighboring trees; poor form and structure; crook in trunk at 5 feet.
896	Aleppo pine	19	3	Moderate	Yes	Crook in trunk at 7 feet; spreading crown.
897	Aleppo pine	15	2	Low	Yes	Crowded by neighboring trees; poor form and structure; crook in trunk at 8 feet.
898	Aleppo pine	14	3	Moderate	Yes	Codominant trunks arise from 8 feet; crowded by neighboring trees; narrow form.
899	Elderberry	12,8,7,7,6, 5	4	High	Yes	Off-site; no tag; growing on canal slope; good vigor.
900	River she-oak	18	Yes	3	Low	Multiple trunks arise from 7 feet; cracked; declining.
901	River she-oak	11	No	3	Moderate	Multiple trunks arise from 7 feet; upper crown thinly vegetated.
902	River she-oak	15	Yes	3	Low	Multiple trunks arise from 10 feet; upper crown thinly vegetated; poor form and structure.
903	Aleppo pine	20	Yes	2	Low	Multiple trunks arise from 7 feet; crowded by neighboring trees; poor form and structure.
904	Aleppo pine	19	Yes	4	Moderate	Codominant trunks arise from 6 feet; good vigor.
905	River she-oak	15	Yes	3	Moderate	Multiple trunks arise from 6 feet; spreading crown.
906	River she-oak	12	Yes	3	Moderate	Multiple trunks arise from 10 feet; spreading crown.
907	River she-oak	22	Yes	3	Moderate	Multiple trunks arise from 7 feet; crown one-sided west.
908	River she-oak	14	Yes	3	Moderate	Codominant trunks arise from 7 feet; thin upper crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
909	River she-oak	15	Yes	3	Moderate	Multiple trunks arise from 7 feet; thin wide spreading upper crown.
910	Red ironbark	25	Yes	3	Low	Codominant at 9'; girdling root; poor form and structure.
911	River red gum	22	Yes	3	Low	Twig dieback ; thin crown.
912	Red ironbark	23	Yes	3	Low	Multiple attachments at 6'; twig and branch dieback.
913	Red ironbark	14	No	0		Dead.
914	Red ironbark	21	Yes	3	Moderate	Codominant at 6'; thin crown.
915	Olive	8,7,7	Yes	4	High	Multiple attachments at 3'; full crown.
916	Red ironbark	16	Yes	3	Low	Codominant at 9' with very narrow attachment ; history of branch failure.
917	Red ironbark	15	Yes	4	Moderate	Good form and structure; full crown.
918	River red gum	21	Yes	4	Moderate	Ball magnet; good form and structure.
919	Red ironbark	17	Yes	4	Moderate	Good form and structure; full crown.
920	Red ironbark	16	Yes	3	Moderate	Low lateral bows to east.
921	Red ironbark	19	Yes	4	Moderate	Good form and structure; full crown.
922	Red ironbark	15	Yes	3	Moderate	Thin crown; minor dieback.
923	Red ironbark	16	Yes	3	Low	Failing at base; thin crown.
924	Aleppo pine	22	Yes	4	Moderate	Codominant at 5'; good form and structure.
925	Chir pine	11	No	3	Low	Codominant at 5' with very narrow attachment ; one sided to south.
926	Chir pine	10,10,10	Yes	3	Low	Multiple attachments at 2'; poor form and structure.
927	River she-oak	6	No	3	Low	Basal wound.
928	Aleppo pine	17,16	Yes	3	Moderate	Codominant at 5'; crown wind swept to south; full crown.
929	Chir pine	7	No	2	Low	Thin crown.
930	Olive	6,5	Yes	4	High	Codominant at 3'; full crown.
931	Olive	7,6	Yes	4	High	Codominant at 4'; full crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
932	Olive	10	No	3	Moderate	Minor dieback; codominant at 4'.
933	Aleppo pine	15,13	Yes	3	Moderate	Codominant at 3'; full crown wind swept to south.
934	Myoporum	10	No	4	Moderate	Good form and structure; thin crown.
935	Myoporum	10	No	4	Moderate	Good form and structure; thin crown.
936	Myoporum	10	No	4	Moderate	Good form and structure; thin crown.
937	Aleppo pine	26	Yes	3	Low	Failing at base to south.
938	Chir pine	8	No	2	Low	Trunk sweeps up at base; corrected form; thin crown.
939	Chir pine	7	No	2	Low	Thin crown.
940	Aleppo pine	17	Yes	3	Moderate	Full crown wind swept to south.
941	Blue gum	14	Yes	3	Moderate	Small stems removed at 1' leaving good upright stem.
942	Blue gum	15	No	0		Dead.
943	Blue gum	14	Yes	4	Moderate	Small stem removed at base leaving good upright stem with good structure.
944	Chir pine	7	No	3	Moderate	One sided to south; upright form.
945	Aleppo pine	14	Yes	4	High	Good form and structure; full crown.
946	Chir pine	8	No	2	Low	Thin crown; lost central leader.
947	Compact blue gum	18,10,10,5	Yes	2	Low	Multiple attachments at base; thin crown.
948	Aleppo pine	20	Yes	3	Moderate	Full crown wind swept to south.
949	Compact blue gum	6,5,5,4	No	0		Dead.
950	Canary Island pine	18	Yes	4	High	Full crown; slightly crooked.
951	Red ironbark	23	Yes	3	Moderate	Full crown; history of branch failures.
952	River she-oak	8	No	3	Moderate	Narrow upright form.
953	River she-oak	10	No	4	Moderate	Good upright form ; heavy low lateral limbs.
954	River she-oak	8	No	2	Low	Dieback in upper crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
955	Chir pine	15	Yes	4	High	Excellent form and structure; base of trunk flat on west.
956	River red gum	11	No	3	Moderate	Thin crown.
957	Silver dollar gum	16	Yes	4	High	Full dense crown; bark bleeding on west.
958	Red ironbark	20	Yes	3	Moderate	Multiple attachments at 6' with very narrow attachments ; small branch failures.
959	Red ironbark	16	Yes	3	Moderate	Crooked form; thin crown.
960	River red gum	25	Yes	3	Low	Trunk wound on west; thin crown with dieback.
961	Red ironbark	27	Yes	3	Moderate	Full dense crown; codominant at 4'.
962	Red ironbark	15	Yes	3	Low	Thin crown with dieback; codominant at 6'.
963	Red ironbark	21	Yes	3	Moderate	Full dense crown; low lateral limb to south.
964	Chir pine	17	Yes	3	Moderate	Codominant at 4'; thin crown.
965	Olive	13,13	Yes	5	High	Codominant at 4'; full beautiful crown.
966	Red ironbark	23	Yes	3	Moderate	Failed stem on south; multiple attachments at 6'; heavy lateral limbs.
967	Red ironbark	26	Yes	3	Low	History of branch failures; high central leader bows to south.
968	Chir pine	12,11	Yes	3	Low	Codominant at 2'; thin crown.
969	Myoporum	6,5	No	2	Low	Codominant at base; thin crown with extensive thrip damage.
970	Myoporum	9	No	3	Moderate	Good form and structure; thrips.
971	Chir pine	6	No	3	Low	Thin crown; corrected form.
972	Myoporum	11	No	4	Moderate	Good form and structure.
973	Aleppo pine	14,12,8	Yes	3	Moderate	Full crown wind swept to south.
974	Myoporum	14	Yes	4	Moderate	Good form and structure.
975	Chir pine	11,9	Yes	3	Low	Partial failure; codominant at 2'.
976	Chir pine	18	Yes	3	Low	Trunk sweeps at base; codominant at 3'.
977	Chir pine	16	Yes	3	Low	Codominant at 4'.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
978	Olive	18,15	Yes	5	High	Codominant at 3'; full beautiful crown.
979	Aleppo pine	29	Yes	3	Low	Heavy crown to south; branch failure on east.
980	Myoporum	19	Yes	3	Moderate	Codominant at 5'; full crown.
981	Myoporum	20	Yes	3	Moderate	Crown wind swept to south.
982	Compact blue gum	8,8,6,6,6,5,5	Yes	4	Moderate	Multiple attachments at 1'.
983	Blue gum	22	Yes	3	Moderate	Codominant at 5' with seam below attachment.
984	Compact blue gum	12,9,9,8,8,7	Yes	4	Moderate	Multiple attachments at 1'; full crown.
985	Blue gum	18,8,6	Yes	3	Moderate	Codominant at 1'; high narrow crown.
986	Chir pine	6	No	2	Low	Extremely thin.
987	Chir pine	10	No	3	Low	Multiple attachments at 3'; thin crown.
988	Chir pine	8	No	2	Low	Failing at base; thin crown.
989	Canary Island pine	10	No	4	High	Good form and structure; thin crown.
990	Canary Island pine	12	Yes	4	High	Slight curve in trunk.
991	Chir pine	9	No	4	Moderate	Good form and structure; thin crown.
992	Chir pine	12	Yes	4	High	Good form and structure.
993	Aleppo pine	14	Yes	3	Moderate	Crown wind swept to south.
994	Aleppo pine	16,14	Yes	3	Moderate	Codominant at 3'; full crown.
995	Aleppo pine	13	No	0		Dead.
996	Aleppo pine	11	No	3	Low	Poor form and structure; central leader bows west.
997	Red ironbark	17	Yes	2	Low	5' wound on south from failed attachment.
998	Red ironbark	16	Yes	1	Low	Extensive dieback.
999	Red ironbark	13	Yes	1	Low	Extensive dieback.
1000	Aleppo pine	12	Yes	3	Low	Poor form and structure; partial failure.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1001	Chir pine	10	No	4	Moderate	Good form and structure; full crown; no basal flare.
1002	Chir pine	10	No	3	Moderate	Trunk sweeps at base; full crown.
1003	Red ironbark	15	Yes	3	Moderate	Thin upper crown.
1004	Red ironbark	15	Yes	3	Moderate	Codominant at 7' with very narrow attachment; full crown.
1005	River red gum	11	No	1	Low	All but dead.
1006	River red gum	14	No	0		Dead.
1007	River red gum	14	Yes	1	Low	All but dead.
1008	River red gum	11	No	2	Low	Declining; trunk wound on west.
1009	Red ironbark	22	Yes	3	Low	Codominant at 7' with very bleeding below attachment; thin crown.
1010	Red ironbark	18	Yes	3	Moderate	Multiple attachments at 8' with narrow attachments.
1011	Canary Island pine	15	Yes	5	High	Excellent form and structure.
1012	Canary Island pine	15	Yes	3	Moderate	Crooked form; full crown.
1013	Red ironbark	16	Yes	3	Moderate	History of branch failures; slightly thin.
1014	Red ironbark	12	Yes	3	Moderate	Codominant at 8'.
1015	Red ironbark	19	Yes	3	Moderate	Wound in area of failed stem; upright form.
1016	Red ironbark	19	Yes	3	Moderate	Trunk wound on south; full crown; history of branch failures.
1017	Chir pine	7	No	1	Low	Lost central leader; poor form and structure.
1018	Canary Island pine	12	Yes	4	High	Good form and structure.
1019	Canary Island pine	11	No	4	High	Slightly crooked; lost top.
1020	Canary Island pine	9	No	4	High	Good young tree.
1021	Canary Island pine	9	No	4	High	Good young tree.
1022	Canary Island pine	11	No	3	Low	Lost central leader.
1023	Red ironbark	12,10	Yes	3	Moderate	Codominant at 1'.
1024	Red ironbark	19	Yes	3	Low	History of branch failures; thin crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1025	Red ironbark	20	Yes	3	Low	History of branch failures; thin crown.
1026	Chir pine	14	Yes	3	Moderate	Codominant at 4'.
1027	Red ironbark	17	Yes	3	Low	Thinning crown.
1028	Red ironbark	18	Yes	4	High	Multiple trunks arise from 6 feet; wide spreading crown; history of branch failure.
1029	Aleppo pine	14	Yes	4	Moderate	Codominant trunks arise from 5 feet; crown asymmetrical.
1030	Aleppo pine	15	Yes	4	High	Codominant trunks arise from 5 feet; full crown.
1031	Red ironbark	15	Yes	3	Moderate	Multiple trunks arise from 4 feet; thin crown.
1032	Red ironbark	17,15	Yes	3	Moderate	Codominant trunks arise from 3 feet; thin crown; lion tailed.
1033	River red gum	15	Yes	3	Moderate	Multiple trunks arise from 8 feet; lion tailed; narrow crown.
1034	Red ironbark	18	Yes	3	Low	Multiple trunks arise from 6 feet; thin crown; lion tailed; sweeping trunks.
1035	Red ironbark	20	Yes	3	Low	Multiple trunks arise from 10 feet; dieback; trunk wound.
1036	River red gum	20	Yes	2	Low	Multiple trunks arise from 10 feet; lost central leader with decay; history of branch failure.
1037	Red ironbark	22	Yes	3	Low	Multiple trunks arise from 20 feet; poor form and structure; good vigor; weeping form.
1038	River red gum	20	Yes	2	Low	Multiple trunks arise from 10 feet; 5 foot long trunk wound; leaning heavily east; structurally unstable.
1039	River red gum	16	Yes	2	Low	Multiple trunks arise from 12 feet; extensive dieback; thin crown.
1040	Red ironbark	15	Yes	3	Moderate	Codominant trunks arise from 10 feet; upper crown thin.
1041	Red ironbark	20	Yes	3	Moderate	Codominant trunks arise from 10 feet; history of branch failure; dieback.
1042	Canary Island pine	11	No	4	High	Good young tree; curved trunk.
1043	Red ironbark	15	Yes	3	Low	Codominant trunks arise from 7 feet; history of branch failure; dieback; 6 foot long trunk wound.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1044	River red gum	13	Yes	3	Low	Codominant trunks arise from 8 feet; narrow, thin crown with dieback.
1045	River red gum	19	Yes	3	Moderate	Multiple trunks arise from 12 feet; dieback in upper crown; bleeding trunk wounds.
1046	Canary Island pine	10	No	3	Moderate	Bottom 10 feet o trunk curved; top perfect.
1047	Aleppo pine	27	Yes	4	High	Codominant trunks arise from 3 feet; dense, full crown.
1048	Canary Island pine	7	No	4	High	Crook in trunk at 6 feet; top is good.
1049	Chir pine	8	No	3	Moderate	Codominant trunks arise from 2 feet; poor vigor.
1050	Bushy yate	6,4,4,4,4	No	1	Low	Bushy stump sprout.
1051	Western sycamore	22	Yes	2	Low	Only epicormic growth.
1052	Olive	14,9	Yes	5	High	Nice tree.
1053	Red ironbark	26	Yes	4	Moderate	Codominant trunks arise from 7 feet; weeping form; full crown.
1054	Red ironbark	20,12	Yes	3	Moderate	Codominant trunks arise from 3 feet; girdling root; full crown.
1055	Red ironbark	17	Yes	2	Low	Multiple trunks arise from 12 feet; leaning heavily towards tee box; narrow crown.
1056	Red ironbark	22	Yes	2	Low	Codominant trunks arise from 8 feet; poor form and structure.
1057	Mexican fan palm	18	Yes	4	High	No tag; fronds to ground; 25 feet; brown trunk height.
1058	Red ironbark	24	Yes	2	Low	Codominant trunks arise from 20 feet failed and decaying into trunk; history of branch failure.
1059	Red ironbark	13,12,9,9	Yes	3	Moderate	Multiple trunks arise from 4 feet; full, dense crown.
1060	Red ironbark	17	Yes	2	Low	Multiple trunks arise from 7 feet; lost main stem decaying into trunk.
1061	Red ironbark	24	Yes	3	Low	Codominant trunks arise from 6 feet; lost main stem; bushy growth.
1062	Red ironbark	17	Yes	3	Moderate	Codominant trunks arise from 8 feet; thin crown.
1063	Red ironbark	16	Yes	2	Low	Codominant trunks arise from 20 feet; thin, narrow crown.
1064	Red ironbark	21	Yes	3	Moderate	Codominant trunks arise from 5 feet; narrow crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1065	Red ironbark	19	Yes	3	Moderate	Multiple trunks arise from 10 feet; wind swept east.
1066	Red ironbark	20	Yes	3	Moderate	Multiple trunks arise from 15 feet; narrow form; history of branch failure.
1067	Red ironbark	18	Yes	2	Low	Codominant trunks arise from 5 feet; poor form and structure.
1068	Red ironbark	19	Yes	2	Low	Codominant trunks arise from 12 feet; poor form and structure; lost central leader.
1069	Red ironbark	21	Yes	3	Moderate	Codominant trunks arise from 15 feet; thin upper crown.
1070	Red ironbark	21	Yes	2	Low	Multiple trunks arise from 8 feet; cracked separating codominant branch at 15 feet.
1071	Red ironbark	23	Yes	2	Low	Half of tree failed; jagged trunk wound.
1072	Red ironbark	22	Yes	3	Low	Codominant trunks arise from 5 feet; poor form and structure; dense full crown.
1073	Red ironbark	22	Yes	3	Moderate	Multiple trunks arise from 5 feet; poor form and structure; dense full crown.
1074	Red ironbark	14	Yes	3	Moderate	Codominant trunks arise from 5 feet; thin upper crown; minor dieback.
1075	Red ironbark	22	Yes	2	Low	Codominant trunks arise from 5 feet; lost half of tree; narrow form.
1076	Red ironbark	18	Yes	3	Moderate	Multiple trunks arise from 20 feet; dense full crown.
1077	Red ironbark	15	Yes	2	Low	Poor form and structure; extensive dieback.
1078	Red ironbark	16	Yes	3	Moderate	Multiple trunks arise from 9 feet; thin upper crown.
1079	Red ironbark	15	Yes	3	Low	Codominant trunks arise from 15 feet; leaning south; dieback.
1080	Red ironbark	10,8	Yes	2	Low	Codominant trunks arise from 3 feet; extensive dieback.
1081	Red ironbark	21	Yes	4	High	Multiple trunks arise from 25 feet; full dense crown.
1082	Red ironbark	20	Yes	3	Moderate	Codominant trunks arise from 10 feet; full spreading crown.
1083	Red ironbark	24,17	Yes	3	Moderate	Codominant trunks arise from 2 feet; northern stem crosses others should be removed.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1084	Red ironbark	20,12	Yes	3	Low	Codominant trunks arise from 2 feet; poor form and structure; dense full crown.
1085	Red ironbark	21	Yes	2	Low	Lost half of tree; dieback in upper crown.
1086	Red ironbark	29	Yes	3	Moderate	Codominant trunks arise from 8 feet; wide spreading crown.
1087	Red ironbark	17	Yes	3	Low	Codominant trunks arise from 5 feet; tree drooping east; thin crown.
1088	Red ironbark	26	Yes	2	Low	Poor form and structure; no upper crown.
1089	Red ironbark	20	Yes	3	Moderate	Multiple trunks arise from 10 feet; weeping form.
1090	Red ironbark	24	Yes	3	Low	Codominant trunks arise from 6 feet; poor form and structure; weeping form.
1091	Red ironbark	12	Yes	2	Low	Failed codominant trunks arise from 3 feet; failed upper crown.
1092	Red ironbark	15	Yes	2	Low	Codominant trunks arise from 10 feet; poor form and structure; thin upper crown.
1093	Red ironbark	26	Yes	3	Low	Codominant trunks arise from 5 feet; history of branch failure.
1094	Red ironbark	27	Yes	3	Low	Codominant trunks arise from 5 feet; 12 foot long trunk wound.
1095	Olive	6,6,5,5,4,4,4	Yes	4	High	Multiple trunks arise from base; bushy; growing on slope.
1096	Evergreen ash	10,9,7,7	Yes	4	High	Multiple trunks arise from base; bushy; growing on slope.
1097	Evergreen ash	6,5,5,5	No	2	Low	Multiple trunks arise from base; bushy; growing on slope.
1098	Mexican fan palm	18	Yes	4	High	Fronds to base; 35 foot brown trunk height; growing on slope.
1099	Evergreen ash	10,5,5,5,4,4	Yes	3	Moderate	Multiple trunks arise from base; bushy; growing on slope.
1100	Mexican fan palm	15	Yes	4	High	Off-site; 12 feet brown trunk height.
1101	Incense cedar	14	Yes	3	Low	Off site; leaning east; declining; 1 foot long trunk wound.
1102	Evergreen ash	7,6,4	No	4	High	Multiple trunks arise from base; bushy; growing on slope.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1103	California buckeye	6,6,4,4,4	No	4	High	Multiple trunks arise from base; growing on slope.
1104	Australian willow	7,5	No	3	Moderate	Multiple trunks arise from base; no tag; bushy; growing on slope.
1105	Myoporum	9	No	2	Low	Decayed at base; partially failed; growing on slope.
1106	Myoporum	8,7	No	2	Low	Decayed at base; partially failed; growing on slope.
1107	Myoporum	7,6,3,3	No	3	Moderate	Multiple trunks arise from base; bushy; growing on slope.
1108	Mexican fan palm	18	Yes	4	High	Ground to bushes; cannot see base; 20 ft. brown trunk height.
1109	Evergreen ash	8	No	5	High	Off-site; nice tree.
1110	Australian willow	8	No	3	Moderate	Multiple trunks arise from 8 feet; bushy; growing on slope.
1111	Mexican fan palm	20	Yes	4	High	Fronds to ground; 10 ft. brown trunk height; base at fence.
1112	Mexican fan palm	20	Yes	4	High	Fronds to ground; 10 ft. brown trunk height; base at fence.
1113	Evergreen ash	9,8	Yes	4	High	Codominant trunks arise from base; bushy; growing on slope.
1114	Australian willow	7,6,5,4	Yes	3	Moderate	Multiple trunks arise from 3 feet; growing on slope.
1115	Evergreen ash	10,7,5,5,5	Yes	4	High	Multiple trunks arise from base; bushy; growing on slope.
1116	Evergreen ash	6,5,5,4,3	No	4	High	Multiple trunks arise from base; bushy; growing on slope.
1117	Evergreen pear	12	Yes	4	High	Off-site; multiple trunks arise from 6 feet; growing under utilities.
1118	Evergreen ash	7,5,5,4,4	No	3	Moderate	Multiple trunks arise from base; bushy; dieback in upper crown; growing on slope.
1119	Western sycamore	12	Yes	2	Low	No foliage; mostly epicormic twigs.
1120	Red ironbark	27	Yes	3	Moderate	Multiple trunks arise from 5 feet; wide spreading canopy.
1121	Evergreen ash	10,8,7,7,5,5	Yes	3	Moderate	Multiple trunks arise from base; bushy; dieback in upper crown; growing on slope.
1122	Mexican fan palm	20	Yes	4	High	Fronds to ground; 25 ft. brown trunk height; base at fence.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1123	Australian willow	8,6	No	3	Moderate	Multiple trunks arise from 3 feet; growing on slope; weeping form.
1124	Carob	10,5	Yes	3	Moderate	Off-site; growing in very small planter.
1125	Evergreen ash	6,5,5,4,3	No	3	Moderate	Multiple trunks arise from base; bushy; dieback in upper crown; growing on slope.
1126	Red ironbark	24	Yes	3	Moderate	Multiple trunks arise from 12 feet; wide spreading canopy; crossing branches.
1127	Red ironbark	21	Yes	3	Moderate	Multiple trunks arise from 6 feet; wide spreading canopy.
1128	Red ironbark	16	Yes	3	Low	Multiple trunks arise from 6 feet; wind swept south.
1129	Evergreen ash	11,11,10,5	Yes	3	Low	Multiple trunks arise from base; growing on slope; cavity from failed stem.
1130	Evergreen pear	12	Yes	3	Low	Off-site; partial failure towards fence; full dense crown.
1131	Mexican fan palm	20	Yes	4	High	Fronds to ground; 40 ft. brown trunk height; growing on slope.
1132	Myoporum	8,6,5,4,4	Yes	2	Low	Multiple trunks arise from base; decay at base and throughout stems.
1133	Myoporum	6,5,4,4	No	3	Low	Multiple trunks arise from base; decay at base; one sided canopy.
1134	Nichol's willowleafed peppermint	30	Yes	4	Moderate	Off site; codominant trunks arise from 7 feet; growing under utilities.
1135	Nichol's willowleafed peppermint	38	Yes	4	Moderate	Off site; multiple trunks arise from 7 feet; growing under utilities; pruned harshly at fence line.
1136	Red ironbark	21	Yes	3	Low	Girdling root; codominant trunks arise from 6 feet.
1137	River red gum	22	Yes	3	Low	Codominant trunks arise from 7 feet; extensive dieback in upper crown.
1138	Red ironbark	18	Yes	4	Moderate	Codominant trunks arise from 8 feet; history of branch failure.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1139	Nichol's willowleafed peppermint	18	No	0		Dead.
1140	Chir pine	9	No	3	Low	Thin crown; bows at base.
1141	Canary Island pine	8	No	3	Moderate	Thin crown ; crooked form.
1142	Chir pine	11	No	3	Low	Codominant at 5'; leans south.
1143	River she-oak	7	No	2	Low	Lower branches dead.
1144	Chir pine	10	No	3	Moderate	Crook at 1'; corrected form.
1145	River red gum	22	Yes	3	Moderate	Thin crown; twig dieback; low lateral to west.
1146	River red gum	26	Yes	3	Low	Codominant at 4' with seam below attachment; history of branch failures.
1147	River red gum	20	Yes	3	Low	Twig and branch dieback ; lost central leader.
1148	Aleppo pine	13,10	Yes	3	Moderate	Codominant at 4'; full crown.
1149	Red ironbark	16	Yes	3	Moderate	Branch failure on east left wound; full crown.
1150	Aleppo pine	16	Yes	3	Moderate	Leans south; corrected form.
1151	Canary Island pine	10	No	2	Low	Lower branches dead.
1152	Red ironbark	15	Yes	3	Low	Codominant at 6'; history of branch failures.
1153	Canary Island pine	8	No	3	Moderate	Good form; little basal flare.
1154	Red ironbark	21	Yes	3	Moderate	Trunk wound; small branch failures.
1155	River red gum	19	Yes	4	Moderate	Good form and structure; full crown; some narrow attachments.
1156	Red ironbark	9,6	No	3	Low	Thin crown; codominant at 3'.
1157	River red gum	21	Yes	2	Low	5' trunk wound on west; codominant at 7'.
1158	Red ironbark	25	Yes	3	Moderate	Codominant at 7'; full crown.
1159	Olive	15,12	Yes	4	High	Codominant at 2'; full crown.
1160	Chir pine	11,10	Yes	2	Low	Codominant at 1' with very narrow attachment; leans south.

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1161	Western sycamore	22	Yes	5	High	Excellent form and structure.
1162	River she-oak	16	Yes	1	Low	Large cavity from branch failure; poor form and structure; ready to fail.
1163	Red ironbark	21	Yes	3	Low	Base outside dripline to south; poor form and structure; history of branch failures.
1164	River red gum	20	Yes	2	Low	5' trunk wound on west; corrected form.
1165	River red gum	22	Yes	3	Moderate	Multiple attachments at 7'; one stem bows heavily to west.
1166	Red ironbark	19	Yes	3	Moderate	Codominant at 6'; trunk wound on north.
1167	Red ironbark	16	Yes	3	Moderate	Narrow form; lost central leader.
1168	Red ironbark	20	Yes	3	Moderate	Codominant at 4'; full crown.
1169	Red ironbark	18	Yes	3	Moderate	Stem to south had branch failure; rest of tree is one sided to north.
1170	Red ironbark	20	Yes	3	Moderate	Full crown; branch failure on east stem left wound.
1171	Red ironbark	18	Yes	3	Moderate	Multiple attachments at 5'; full crown.
1172	River red gum	26	Yes	3	Moderate	Multiple attachments at 9'; heavy limb bow over cart path.
1173	Red ironbark	18	Yes	3	Moderate	Good form and structure; low lateral; full crown.
1174	Red ironbark	22	Yes	3	Moderate	Okay form; small branch failures.
1175	Red ironbark	18	Yes	3	Low	History of branch failures; thin crown.
1176	Red ironbark	17	Yes	3	Moderate	Thin upper crown.
1177	Red ironbark	23	Yes	3	Moderate	Codominant at 15'; full crown.
1178	Red ironbark	13	Yes	2	Low	Declining; twig dieback.
1179	River red gum	26	Yes	3	Moderate	History of branch failures; multiple attachments at 9'.
1180	Red ironbark	25	Yes	4	Moderate	Good form and structure; full crown.
1181	River red gum	15	Yes	3	Low	Trunk bows at 3'; codominant stem failed on the southside.
1182	River red gum	18	Yes	3	Low	Codominant at 12'; thin crown.
1183	River red gum	17	Yes	3	Moderate	Codominant at 10'; full crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1184	Red ironbark	23	Yes	3	Moderate	Full crown; branch failure on north.
1185	Red ironbark	27	Yes	3	Low	Poor form and structure; multiple attachments at 7'; central stem wraps around stem on north.
1186	Chir pine	13	Yes	4	High	Good form and structure; slightly thin.
1187	Chir pine	18	Yes	2	Low	Poor form and structure; wide codominant attachment at 7'.
1188	Red ironbark	19	Yes	3	Low	Codominant at 6' with narrow attachment ; crown bows north.
1189	Red ironbark	23	Yes	3	Moderate	Codominant at 5'; stem to north has crooked form.
1190	Chir pine	15	Yes	4	Moderate	Good form and structure; no basal flare.
1191	Chir pine	10	No	2	Low	Severe crook at 2' then corrected.
1192	Italian stone pine	22	Yes	3	Moderate	Codominant at 4'.
1193	Chir pine	7	No	3	Moderate	Thin crown.
1194	Chir pine	10	No	3	Low	Thin crown; low lateral limb.
1195	Chir pine	8,4,3	No	3	Low	Trunk sweeps upright at 2'; thin crown.
1196	Aleppo pine	18	Yes	3	Low	Crown and trunk wind swept to south.
1197	Aleppo pine	18	Yes	3	Moderate	Trunk bows at 4'; central leader bows to south.
1198	Aleppo pine	20	Yes	3	Moderate	Central leader has severe bow to south; full crown.
1199	Manna gum	11	No	3	Low	Thin crown with twig dieback.
1200	Aleppo pine	19,17,17,15	Yes	3	Moderate	Multiple attachments at 3'; crown lifted to 15'.
1201	Manna gum	14	Yes	2	Low	Crossing branches high in crown; history of branch failures.
1202	Chir pine	14	Yes	3	Low	Codominant at 4'; suppressed to south.
1203	Manna gum	7	No	1	Low	Extremely thin crown; declining.
1204	Manna gum	6	No	1	Low	Extremely thin crown; declining.
1205	Chir pine	21	Yes	4	Moderate	Corrected form; full crown.
1206	Western sycamore	6	No	2	Low	Poor form and structure; basal wound with decay.

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1207	Aleppo pine	16	Yes	3	Low	Failed at base ; upright stem from failed trunk has trunk wound from failed stem.
1208	Queen palm	8	No	3	Moderate	Poor color; lower fronds dead.
1209	Western sycamore	12	Yes	4	High	Crooked form; central leader bows south.
1210	River red gum	34	Yes	3	Low	Codominant at 9'; history of branch failures; stem to north has severe crook.
1211	Red ironbark	19	Yes	3	Moderate	Full crown.
1212	Red ironbark	21	Yes	3	Moderate	Tall narrow form.
1213	Red ironbark	26	Yes	1	Low	Entire upper crown failed.
1214	River red gum	6	No	1	Low	Extremely thin crown; declining.
1215	Red ironbark	21	Yes	2	Low	Codominant stem failed on north leaving extensive wound.
1216	Red ironbark	22	Yes	3	Low	Top of codominant stem on south failed.
1217	Red ironbark	18	Yes	3	Low	Wide codominant attachment at 10'.
1218	Myoporum	7	No	3	Low	Good form and structure; small trunk wounds; thrips.
1219	Myoporum	6	No	3	Low	Good form and structure; small trunk wounds; thrips.
1220	Myoporum	6	No	3	Low	Good form and structure; small trunk wounds; thrips.
1221	Myoporum	7	No	3	Low	Good form and structure; small trunk wounds; thrips.
1222	River red gum	25	Yes	3	Low	Bowed trunk; history of branch failure.
1223	Red ironbark	21	Yes	3	Moderate	Multiple attachments arise from 15 feet; thin upper crown.
1224	Red ironbark	20	Yes	2	Low	Codominant trunks arise from 10 feet; lost most of tree.
1225	Red ironbark	18	Yes	2	Low	Codominant trunks arise from 10 feet; poor form and structure.
1226	River red gum	16	Yes	3	Moderate	Multiple attachments arise from 10 feet; narrow form; minor dieback.
1227	Red ironbark	19	Yes	3	Low	Lost half of tree at 8 feet; half looks good.
1228	River red gum	22	Yes	4	Moderate	Multiple attachments arise from 7 feet; dense full crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1229	Red ironbark	15	Yes	3	Low	Codominant trunks arise from 20 feet; poor form and structure; thin crown.
1230	Red ironbark	17,12	Yes	3	Moderate	Codominant trunks arise from 4 feet; poor structure.
1231	Red ironbark	22	Yes	3	Moderate	Codominant trunks arise from 6 feet; history of branch failure.
1232	Red ironbark	23	Yes	3	Low	Codominant trunks arise from 5 feet; crossing branches; girdling roots.
1233	River red gum	22	Yes	3	Moderate	Codominant trunks arise from 12 feet; dieback.
1234	Olive	15	Yes	3	Moderate	Codominant trunks arise from 7 feet; brown foliage.
1235	River red gum	34	Yes	3	Moderate	Codominant trunks arise from 10 feet; dieback; history of branch failure.
1236	River red gum	16	Yes	4	High	Codominant trunks arise from 12 feet; minor lower dieback.
1237	Red ironbark	25	Yes	3	Moderate	Codominant trunks arise from 5 feet; dense full crown; history f branch failure.
1238	Red ironbark	22	Yes	2	Low	Codominant trunks arise from 25 feet; lion tailed; curved trunk.
1239	River red gum	17	Yes	4	Moderate	Multiple attachments arise from 20 feet; trunk and branch wounds.
1240	Aleppo pine	multi	Yes	3	Low	Bushy; cannot see base; wide spreading foliage; no tag.
1241	Canary Island date palm	26	Yes	4	High	Off-site; 15 foot brown trunk height.
1242	Bottlebrush	6,6	No	4	Moderate	Off-site; codominant trunks arise from base; no tag.
1243	Aleppo pine	7,5	No	3	Low	Poor form and structure; leaning west; bushy.
1244	Evergreen ash	9,9,7,7,5,5,4	Yes	3	Moderate	Multiple attachments arise from base; growing on slope; mostly defoliated.
1245	Evergreen ash	10,9,6,5	Yes	3	Moderate	Multiple attachments arise from base; growing on slope; mostly defoliated.
1246	Evergreen ash	7,6,6,6,5,5	Yes	3	Moderate	Multiple attachments arise from base; growing on slope; mostly defoliated.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1247	Aleppo pine	15,12,7	Yes	3	Low	Bushy; cannot see base; wide spreading foliage; poor form and structure.
1248	Evergreen ash	6,5	No	3	Moderate	Multiple attachments arise from base; growing on slope; mostly defoliated; no tag.
1249	Aleppo pine	multi	Yes	3	Low	Bushy; cannot see base; wide spreading foliage.
1250	Evergreen ash	12,12,8,8, 7,6	Yes	3	Moderate	Multiple attachments arise from base; growing on slope; mostly defoliated.
1251	Aleppo pine	multi	Yes	3	Low	Bushy; cannot see base; wide spreading foliage.
1252	Evergreen ash	9,7,6	Yes	3	Moderate	Multiple attachments arise from base; growing on slope; mostly defoliated.
1253	Aleppo pine	15,12	Yes	3	Low	Poor form and structure; leaning west; bushy.
1254	Aleppo pine	multi	Yes	3	Low	Bushy; cannot see base; wide spreading foliage.
1255	Aleppo pine	multi	Yes	3	Low	Bushy; cannot see base; wide spreading foliage.
1256	Aleppo pine	multi	Yes	3	Low	Bushy; cannot see base; wide spreading foliage.
1257	Aleppo pine	multi	Yes	3	Low	Bushy; cannot see base; wide spreading foliage.
1258	Aleppo pine	multi	Yes	3	Low	Bushy; cannot see base; wide spreading foliage.
1259	Blackwood acacia	18	Yes	3	Moderate	Off-site; multiple attachments arise from 8 feet; dieback.
1260	Blackwood acacia	19	Yes	3	Moderate	Off-site; multiple attachments arise from 10 feet; dieback; 12" pruning wound.
1261	Blackwood acacia	17	Yes	3	Low	Off-site; multiple attachments arise from 7 feet; dieback; 12" pruning wound; ganoderma.
1262	Blackwood acacia	25	Yes	4	Moderate	Off-site; multiple attachments arise from 10 feet; dieback; 18" pruning wound.
1263	Blackwood acacia	22	Yes	3	Moderate	Off-site; multiple attachments arise from 7 feet; dieback; 12" pruning wound; leaning east.
1264	River red gum	6,6	No	3	Moderate	Codominant trunks arise from base; one sided north.
1265	River red gum	8,6,4	No	3	Moderate	Multiple attachments arise from 1 foot with included bark and seam; full, vigorous crown.

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1266	River red gum	6,4	No	2	Low	Multiple attachments arise from 2 feet; discolored foliage; declining.
1267	River red gum	7,6	No	2	Low	Multiple attachments arise from 1 foot; 4 foot long jagged wound from stem failure.
1268	River red gum	8	No	1	Low	All but dead.
1269	River red gum	7	No	1	Low	All but dead.
1270	River red gum	7	No	3	Moderate	Codominant trunks arise from base; one sided north.
1271	River red gum	9,7,5,5	Yes	3	Moderate	Multiple attachments arise from 3 feet; poor form and structure.
1272	River red gum	10,8	Yes	3	Moderate	Codominant trunks arise from 2 feet; minor dieback.
1273	California pepper	12	Yes	3	Moderate	Multiple attachments arise from 5 feet; thin crown.
1274	California pepper	12	Yes	3	Moderate	Multiple attachments arise from 5 feet; thin crown; dieback.
1275	California pepper	13,9	Yes	4	High	Codominant trunks arise from 2 feet; dense crown.
1276	California pepper	12	Yes	3	Moderate	Multiple attachments arise from 5 feet; thin crown.
1277	California pepper	6,6	No	3	Moderate	Codominant trunks arise from base; thin crown.
1278	California pepper	11,5	Yes	4	Moderate	Codominant trunks arise from 3 feet; dense crown.
1279	California pepper	8	No	3	Moderate	Codominant trunks arise from 4 feet; thin crown; sprouting from base.
1280	River red gum	6,5	No	3	Low	Multiple attachments arise from base; buried; thin crown.
1281	River red gum	6	No	3	Low	Growing in dense grove; one sided.
1282	River red gum	8	No	2	Low	Growing in dense grove; one sided; foliage discolored.
1283	River red gum	6	No	2	Low	Growing in dense grove; one sided; foliage discolored; thin crown.
1284	River red gum	7	No	3	Low	Growing in dense grove; thin, narrow, upright crown.
1285	River red gum	9	No	3	Low	Growing in dense grove; thin, narrow, upright crown; codominant trunks arise from 10 feet, separating; trunk wound from branch failure.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1286	River red gum	6	No	2	Low	Growing in dense grove; thin, narrow, upright crown; foliage discolored.
1287	River red gum	6	No	3	Moderate	Growing in dense grove; narrow, upright crown.
1288	River red gum	6,4	No	3	Moderate	Growing in dense grove; codominant trunks arise from base; decay at base.
1289	River red gum	9,8	Yes	3	Moderate	Growing in dense grove; codominant trunks arise from base; prune for structure.
1290	River red gum	6	No	3	Moderate	Growing in dense grove; slightly thin crown.
1291	River red gum	7,4	No	3	Low	Growing in dense grove; codominant trunks arise from base; one sided north.
1292	River red gum	10	No	3	Low	Growing in dense grove; codominant trunks arise from base; thin, narrow upright crown.
1293	River red gum	6	No	3	Low	Growing in dense grove; one sided east.
1294	River red gum	6	No	2	Low	Growing in dense grove; codominant trunks arise from 8 feet; very thin crown.
1295	River red gum	7,7	No	3	Low	Growing in dense grove; codominant trunks arise from base; spreading crown.
1296	River red gum	6	No	3	Low	Growing in dense grove; multiple attachments arise from base; poor form and structure.
1297	River red gum	6	No	3	Moderate	Good form; leans west; thin crown.
1298	River red gum	9	No	3	Moderate	Growing in dense grove; codominant trunks arise from 10 feet; narrow form.
1299	River red gum	12	Yes	3	Low	Growing in dense grove; codominant trunks arise from 7 feet; sweeping east.
1300	River red gum	6	No	3	Low	Growing in dense grove; thin, spindly form.
1301	River red gum	8	No	2	Low	Growing in dense grove; bowed totally south over fence.
1302	River red gum	8,5,5	No	3	Low	Growing in dense grove; multiple attachments arise from base; narrow, thin crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1303	River red gum	6	No	2	Low	Growing in dense grove; leaning heavily north.
1304	River red gum	9	No	3	Low	Growing in dense grove; codominant trunks arise from 8 feet; narrow upright form.
1305	River red gum	11,5	Yes	3	Low	Growing in dense grove; poor form and structure.
1306	River red gum	10	No	3	Low	Growing in dense grove; leaning west; one sided west.
1307	River red gum	12,11	Yes	3	Moderate	Codominant trunks arise from 3 feet; buried; twig dieback.
1308	Mexican fan palm	21	Yes	4	High	15 foot brown trunk height.
1309	Mexican fan palm	14	Yes	5	High	5 foot brown trunk height.
1310	Mexican fan palm	14	Yes	5	High	5 foot brown trunk height.
1311	Fremont cottonwood	12	Yes	4	High	Good form and structure; bleeding from old pruning cut.
1312	Evergreen ash	11	No	3	Moderate	Defoliated; remove stakes.
1313	Mexican fan palm	20	Yes	4	High	15 foot brown trunk height.
1314	Hackberry	6,6,6,5,5,4	Yes	3	Moderate	Multiple attachments arise from base; defoliated.
1315	Mexican fan palm	14	Yes	5	High	5 foot brown trunk height.
1316	Mexican fan palm	9	No	5	High	5 foot brown trunk height.
1317	Mexican fan palm	15	Yes	4	High	9 foot brown trunk height.
1318	Mexican fan palm	22	Yes	4	High	15 foot brown trunk height.
1319	River red gum	7	No	2	Low	Bent to extreme south at 2 feet.
1320	Aleppo pine	14, multi	Yes	3	Low	Bushy mass of tree on slope near fence line under utilities.
1321	Aleppo pine	multi	Yes	3	Low	Bushy mass of tree on slope near fence line under utilities.
1322	Bottlebrush	6,5,5	No	3	Moderate	Multiple attachments arise from base; dense crown.
1323	Bottlebrush	7,3	No	3	Moderate	Multiple attachments arise from base; dense crown.
1324	Bottlebrush	6,5,4,4	No	3	Moderate	Multiple attachments arise from base; dense crown.
1325	Evergreen ash	12	Yes	4	Moderate	Codominant trunks arise from 7 feet; defoliating.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1326	Honey box	17	Yes	3	Low	Multiple attachments arise from 14; lion tailed; very little foliage.
1327	Honey box	15	Yes	3	Low	Narrow upright crown; history of branch failure.
1328	Honey box	13	Yes	3	Moderate	Codominant trunks arise from 7 feet; lion tailed; very little canopy.
1329	Honey box	16	Yes	2	Low	Codominant trunks arise from 8 feet; lion tailed; almost no foliage.
1330	Honey box	14	Yes	3	Moderate	Multiple attachments arise from 8 feet; thin crown.
1331	Honey box	20,13	Yes	2	Low	Codominant trunks arise from base; poor form and structure; lion tailed.
1332	Honey box	10	No	2	Low	Topped; ugly.
1333	Purpleleaf plum	6,6,5,5,4,4,3	Yes	3	Moderate	Cannot see majority of tree; minor dieback in upper crown.
1334	Honey box	28	Yes	3	Low	Previously topped with poorly formed new attachments.
1335	Honey box	29	Yes	3	Moderate	Previously topped; vigorous full crown.
1336	Honey box	22	Yes	3	Low	Previously topped; leaning south; dieback.
1337	Raywood ash	11	No	3	Moderate	Codominant trunks arise from 5 feet; suppressed by neighboring trees.
1338	London plane	10	No	4	High	Codominant trunks arise from 7 feet; narrow crown.
1339	Coast redwood	21	Yes	3	Moderate	Crook in trunk at 6 feet; thin upper crown; poor color.
1340	Callery pear	16	Yes	2	Low	Multiple attachments arise from 6 feet; poor form and structure.
1341	Callery pear	14	Yes	3	Moderate	Multiple attachments arise from 7 feet; long spindly stems; one sided.
1342	Callery pear	15	Yes	3	Moderate	Multiple attachments arise from 7 feet; long spindly stems; lion tailed.
1343	Callery pear	16	Yes	3	Moderate	Multiple attachments arise from 7 feet; long spindly stems; lion tailed; one sided crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1344	Callery pear	11	No	3	Low	Multiple attachments arise from 7 feet; long spindly stems; lion tailed; one sided crown; suppressed by #1345.
1345	London plane	16	Yes	4	High	Good form and structure; spreading crown.
1346	London plane	16	Yes	4	High	Multiple attachments arise from 12 feet; spreading crown.
1347	Water gum	8	No	4	High	Codominant trunks arise from 5 feet; dense crown.
1348	Callery pear	8,4	No	3	Low	Codominant trunks arise from base; previously topped.
1349	Water gum	11	No	4	Moderate	Codominant trunks arise from 5 feet; dense crown; pruned away from building.
1350	London plane	15	Yes	4	High	Multiple attachments arise from 6 feet; spreading crown; one sided west.
1351	London plane	14	Yes	3	Moderate	Multiple attachments arise from 6 feet; spreading crown; epicormic.
1352	Coast redwood	36	Yes	4	High	Good form and structure; thin upper crown.
1353	Coast redwood	33	Yes	4	High	Good form and structure; thin upper crown; codominant top.
1354	Water gum	10	No	4	Moderate	Codominant trunks arise from 5 feet; dense crown; pruned away from building; trunk wound.
1355	Water gum	9	No	4	Moderate	Codominant trunks arise from 5 feet; dense crown; pruned away from building.
1356	Water gum	8	No	4	Moderate	Good form and structure; dense crown; pruned away from building.
1357	Water gum	8	No	4	Moderate	Good form and structure; dense crown; pruned away from building.
1358	Water gum	8	No	4	Moderate	Codominant trunks arise from 5 feet; dense crown; pruned away from building.
1359	Callery pear	9,9,4	Yes	3	Low	Multiple attachments arise from base; previously topped.
1360	Callery pear	9,8,5	Yes	3	Low	Multiple attachments arise from base; previously topped.
1361	Callery pear	19	Yes	4	High	Multiple attachments arise from 6 feet; full, spreading crown.
1362	London plane	13	Yes	3	Moderate	Codominant trunks arise from 7 feet; one sided west.

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1363	London plane	15	Yes	4	High	Multiple attachments arise from 5 feet; wide spreading crown.
1364	London plane	20	Yes	4	High	Multiple attachments arise from 7 feet; wide spreading crown.
1365	Callery pear	15	Yes	2	Low	Extensive dieback; ganoderma; multiple attachments arise from base.
1366	Callery pear	13	Yes	3	Moderate	Multiple attachments arise from 6 feet; narrow crown; dieback.
1367	Callery pear	15	Yes	3	Low	Multiple attachments arise from 6 feet; crown one sided west.
1368	Callery pear	18	Yes	3	Moderate	Multiple attachments arise from 8 feet; lion tailed.
1369	Callery pear	17	Yes	3	Moderate	Multiple attachments arise from 8 feet; lion tailed.
1370	Coast redwood	29	Yes	3	Moderate	Codominant trunks arise from top; poor color; thin crown; weeping foliage.
1371	Coast redwood	23	Yes	3	Moderate	Poor color; thin crown; weeping foliage.
1372	Callery pear	13	Yes	3	Low	Multiple attachments arise from 6 feet; lion tailed; leaning south; trunk covered in fungus.
1373	Callery pear	12	Yes	3	Low	Multiple attachments arise from 15 feet; lion tailed; leaning south.
1374	Coast redwood	30	Yes	4	High	Good form and structure; slightly thin crown.
1375	Coast redwood	37	Yes	4	Moderate	Sweeping trunk; slightly thin crown.
1376	Coast redwood	39	Yes	5	High	Nice tree.
1377	London plane	17	Yes	4	High	Multiple attachments arise from 10 feet; narrow crown.
1378	Callery pear	10	No	2	Low	Previously topped; leaning heavily west.
1379	Water gum	8	No	4	High	Codominant trunks arise from 5 feet; dense crown.
1380	Water gum	7	No	3	Moderate	Codominant trunks arise from 6 feet; dense crown.
1381	London plane	15	Yes	4	Moderate	Multiple attachments arise from 10 feet; wide spreading crown.
1382	Raywood ash	15	Yes	3	Moderate	Multiple attachments arise from 7 feet; narrow crown; lion tailed.

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1383	Water gum	7	No	4	High	Multiple attachments arise from 5 feet; dense crown.
1384	Water gum	7	No	4	High	Codominant trunks arise from 5 feet; dense crown; leaning east.
1385	Water gum	7	No	4	High	Codominant trunks arise from 5 feet; dense crown; leaning north.
1386	Water gum	7	No	4	High	Codominant trunks arise from 5 feet; dense crown.
1387	Water gum	8	No	4	High	Codominant trunks arise from 5 feet; dense crown.
1388	Water gum	8	No	4	High	Multiple attachments arise from 5 feet; dense crown.
1389	London plane	19	Yes	4	Moderate	Multiple attachments arise from 10 feet; wide spreading crown; lion tailed.
1390	Raywood ash	15	Yes	3	Moderate	Codominant trunks arise from 7 feet; narrow form; lion tailed.
1391	Raywood ash	13	Yes	3	Low	Codominant trunks arise from 7 feet; narrow form; pruned harshly.
1392	Raywood ash	13	Yes	3	Low	Codominant trunks arise from 7 feet; narrow form; pruned harshly.
1393	Raywood ash	11	No	3	Low	Codominant trunks arise from 7 feet; narrow form; pruned harshly.
1394	Raywood ash	13	Yes	3	Low	Codominant trunks arise from 7 feet; narrow form; pruned harshly.
1395	Raywood ash	13	Yes	3	Low	Codominant trunks arise from 7 feet; narrow form; pruned harshly.
1396	Raywood ash	10	No	3	Low	Codominant trunks arise from 7 feet with included bark; narrow form.
1397	Raywood ash	6	No	2	Low	Poor graft. very little canopy.
1398	Callery pear	14	Yes	3	Low	Multiple attachments arise from 7 feet; narrow form; one sided east.
1399	Raywood ash	18	Yes	3	Moderate	Multiple attachments arise from 7 feet; unusual trunk wounds.
1400	Raywood ash	17	Yes	3	Moderate	Multiple attachments arise from 9 feet; sprouting from trunk.

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1401	Coast redwood	24	Yes	4	High	Thin upper crown; strong basal flare.
1402	Callery pear	16	Yes	3	Low	Multiple attachments arise from 7 feet; one sided east.
1403	Callery pear	15	Yes	3	Moderate	Multiple attachments arise from 7 feet; full, spreading crown.
1404	London plane	11	No	2	Low	Declining; mostly epicormic.
1405	Callery pear	7	No	3	Moderate	Multiple attachments arise from 7 feet; dieback.
1406	Coast redwood	18	Yes	3	Moderate	Thin crown; poor color.
1407	Raywood ash	10	No	3	Low	Codominant trunks arise from 7 feet with included bark; narrow form; sun burnt.
1408	Raywood ash	13	Yes	1	Low	Mostly dead.
1409	Raywood ash	12	Yes	3	Moderate	Multiple attachments arise from 8 feet; wounds from pruning cuts.
1410	Raywood ash	13	Yes	3	Low	Multiple attachments arise from 8 feet; pruned harshly; sunburnt.
1411	London plane	19	Yes	4	High	Multiple attachments arise from 10 feet; large spreading canopy.
1412	London plane	10	No	3	Moderate	Multiple attachments arise from 10 feet; narrow thin crown.
1413	Raywood ash	13	Yes	3	Moderate	Codominant trunks arise from 7 feet; thin crown.
1414	Raywood ash	16	Yes	2	Low	Multiple attachments arise from 7 feet; thin crown; basal decay; pruned harshly.
1415	Raywood ash	13	Yes	3	Moderate	Codominant trunks arise from 7 feet with included bark; sun burnt.
1416	Raywood ash	10	No	3	Moderate	Multiple attachments arise from 7 feet; sun burnt.
1417	Raywood ash	10	No	3	Low	Multiple attachments arise from 7 feet; sun burnt; trunk wound; pruned harshly; REASJUST 1412 TO 1417.
1418	Water gum	10	No	4	Moderate	Codominant trunks arise from 6 feet; dense crown; pruned away from building.
1419	Water gum	9	No	4	Moderate	Codominant trunks arise from 6 feet; dense crown; pruned away from building.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1420	Water gum	8	No	4	Moderate	Multiple attachments arise from 10 feet; dense crown; pruned away from building.
1421	Water gum	8	No	4	Moderate	Codominant trunks arise from 6 feet; dense crown; pruned away from building; embedded stake tie.
1422	Water gum	7	No	4	Moderate	Codominant trunks arise from 6 feet; dense crown; pruned away from building.
1423	Water gum	8	No	4	Moderate	Codominant trunks arise from 6 feet; dense crown; pruned away from building.
1424	Water gum	9	No	4	Moderate	Codominant trunks arise from 6 feet; dense crown; pruned away from building.
1425	Water gum	11	No	4	High	Multiple attachments arise from 4 feet; dense crown; pruned away from building.
1426	Water gum	9	No	4	High	Codominant trunks arise from 6 feet; dense crown; pruned away from building.
1427	Water gum	8	No	4	Moderate	Multiple attachments arise from 6 feet; dense crown; pruned away from building; crook in trunk at 3 feet.
1428	Water gum	8	No	4	High	Codominant trunks arise from 5 feet; dense crown; pruned away from building.
1429	Water gum	8	No	4	High	Codominant trunks arise from 6 feet; dense crown; pruned away from building.
1430	Water gum	8	No	4	High	Codominant trunks arise from 6 feet; dense crown.
1431	London plane	11	No	3	Moderate	Codominant trunks arise from 10 feet; drooping crown.
1432	London plane	8	No	3	Moderate	Multiple attachments arise from 6 feet; thin crown.
1433	Water gum	9	No	4	High	Codominant trunks arise from 6 feet; dense crown; pruned away from building.
1434	Water gum	9	No	4	High	Codominant trunks arise from 5 feet; dense crown; pruned away from building.
1435	Water gum	9	No	4	High	Codominant trunks arise from 5 feet; dense crown; pruned away from building.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1436	Water gum	9	No	4	High	Codominant trunks arise from 5 feet; dense crown; pruned away from building.
1437	Water gum	8	No	4	High	Codominant trunks arise from 6 feet; dense crown; pruned away from building.
1438	Raywood ash	14	Yes	2	Low	Codominant trunks arise from 5 feet; narrow crown; one sided; suppressed by #1439.
1439	Blackwood acacia	12	Yes	4	Moderate	Codominant trunks arise from 12 feet; dense crown.
1440	Olive	7,6	Yes	3	Moderate	Codominant trunks arise from 2 feet; dense drooping crown.
1441	Zelkova	11	No	3	Low	Four foot long trunk wound; multiple attachments arise from 5 feet.
1442	Zelkova	12	Yes	3	Moderate	Codominant trunks arise from 6 feet; leans south.
1443	Zelkova	15	Yes	3	Moderate	Multiple attachments arise from 6 feet; leans south.
1444	African fern pine	12,8,5,5,4	Yes	3	Low	Multiple attachments arise from base; cracked main stem; bushy; topped for utilities.
1445	Blackwood acacia	10	No	3	Moderate	Crook in trunk at 4 feet; dense crown.
1446	Blackwood acacia	12	Yes	2	Low	Leaning east; multiple attachments arise from 7 feet; thin crown.
1447	Blackwood acacia	7	No	2	Low	Leaning heavily north.
1448	Coast redwood	11	Yes	3	Moderate	Good form and structure; very thin crown; poor color.
1449	Coast redwood	9	Yes	3	Moderate	Good form and structure; very thin crown; poor color.
1450	Coast redwood	10	Yes	3	Moderate	Good form and structure; very thin crown; poor color.
1451	Evergreen ash	27	Yes	4	Moderate	Multiple attachments arise from 6 feet; requires pruning; good vigor.
1452	Evergreen ash	28	Yes	4	High	Multiple attachments arise from 8 feet; large, full, spreading crown.
1453	Blackwood acacia	16	Yes	4	Moderate	Good form and structure; dense canopy; base at fence line.
1454	Blackwood acacia	12,11,9,7	Yes	2	Low	Multiple attachments arise from base; all stems bow heavily to the east; covered in ivy.

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1455	Blackwood acacia	9	No	2	Low	Multiple attachments arise from base; all stems bow heavily to the west; covered in ivy.
1456	Blackwood acacia	13,7	Yes	2	Low	Multiple attachments arise from base; all stems bow heavily to the west; covered in ivy.
1457	Blackwood acacia	9,7,6,5	Yes	2	Low	Multiple attachments arise from base; all stems bow heavily to the south east; covered in ivy.
1458	Blackwood acacia	20	Yes	2	Low	Dead top; low large laterals; declining.
1459	Blackwood acacia	11	No	2	Low	Codominant trunks arise from top; dense crown.
1460	Blackwood acacia	12	Yes	3	Low	In small dense grove; leans south; one sided south.
1461	Blackwood acacia	10	No	2	Low	In small dense grove; leans south; one sided south; sinuous trunk.
1462	Blackwood acacia	14	Yes	3	Low	In small dense grove; codominant trunks arise from 5 feet; thin upper crown.
1463	Blackwood acacia	9,7	No	3	Low	In small dense grove; codominant trunks arise from base; leans heavily south.
1464	Blackwood acacia	15,14	Yes	3	Low	In small dense grove; codominant trunks arise from base; stems lean away from each other.
1465	Blackwood acacia	12,11	Yes	2	Low	In small dense grove; codominant trunks arise from base; stems lean away from each other.
1466	Blackwood acacia	19,9	Yes	2	Low	In small dense grove; codominant trunks arise from base; stems lean heavily south; displacing curb.
1467	Chinese pistache	6,4	No	3	Low	Multiple attachments arise from 5 feet; lost top; bushy.
1468	Evergreen ash	7,5	No	3	Moderate	Codominant trunks arise from 1 foot; one sided east.
1469	Mexican fan palm	20	Yes	4	Moderate	7 foot brown trunk height; base at fence line.
1470	Australian bush cherry	9,9	Yes	4	High	Codominant trunks arise from base; dense full crown; no tag.
1471	Monterey pine	15	Yes	3	Low	Lost top; pruned harshly; poor color.

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1472	Evergreen ash	14	Yes	3	Low	Codominant trunks arise from 10 feet with included bark; lion tailed; narrow crown.
1473	Evergreen ash	16	Yes	3	Moderate	Codominant trunks arise from 10 feet; lion tailed; narrow crown.
1474	Evergreen ash	22	Yes	3	Moderate	Multiple attachments arise from 10 feet; lion tailed; narrow crown.
1475	Myoporum	19	Yes	3	Moderate	Multiple attachments arise from 5 feet; displacing curb; one sided south.
1476	Monterey pine	15	Yes	3	Low	Codominant trunks arise from 1 feet; surface roots cut; pruned away from building.
1477	Monterey pine	13	Yes	3	Low	Multiple attachments arise from 7 feet; previously topped; pruned away from building.
1478	Monterey pine	14	Yes	3	Low	Multiple attachments arise from 5 feet; previously topped; pruned away from building.
1479	Evergreen ash	23	Yes	4	Moderate	Multiple attachments arise from 10 feet; wide spreading crown; crossing branches.
1480	Evergreen ash	12	Yes	2	Low	Multiple attachments arise from 10 feet; lion tailed; narrow crown.
1481	Evergreen ash	15	Yes	2	Low	Codominant trunks arise from 7 feet; lion tailed; narrow crown; dieback in upper crown.
1482	Evergreen ash	19	Yes	3	Moderate	Codominant trunks arise from 7 feet; poor form and structure; full crown.
1483	Evergreen ash	14	Yes	3	Low	Multiple attachments arise from 6 feet; thin, narrow crown.
1484	Red ironbark	17	Yes	3	Low	Codominant trunks arise from 8 feet; history of branch failure; thin crown.
1485	Red ironbark	18	Yes	3	Low	Codominant trunks arise from 8 feet; history of branch failure; thin crown; poor form and structure.
1486	Evergreen ash	6	No	2	Low	Majority of crown dead.
1487	Evergreen ash	11	No	3	Moderate	Multiple attachments arise from 9 feet; dieback.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1488	Zelkova	7	No	4	High	Good young tree.
1489	London plane	7	No	4	High	Good form and structure; leans slightly south.
1490	London plane	6	No	4	High	Good form and structure; leans slightly south.
1491	Evergreen ash	11	No	3	Moderate	Codominant trunks arise from 8 feet; dieback in upper crown.
1492	Evergreen ash	14	Yes	3	Moderate	Codominant trunks arise from 8 feet; dieback in upper crown; leafing out; turned off water.
1493	Evergreen ash	23	Yes	3	Moderate	Codominant trunks arise from 8 feet; dieback in upper crown; turned off water.
1494	Evergreen ash	26	Yes	3	Moderate	Codominant trunks arise from 8 feet; dieback in upper crown; turned off water.
1495	Aleppo pine	33	Yes	3	Moderate	Codominant trunks arise from 5 feet; narrow, thin crown.
1496	Evergreen ash	21	Yes	2	Low	Multiple attachments arise from 10 feet; dieback in upper crown; turned off water; very little canopy.
1497	Evergreen ash	15	Yes	3	Moderate	Multiple attachments arise from 6 feet; dieback in upper crown; turned off water; leafing out.
1498	Evergreen ash	21	Yes	3	Moderate	Multiple attachments arise from 12 feet; turned off water; leafing out.
1499	Evergreen ash	19	Yes	2	Low	Codominant trunks arise from 12 feet; very little crown; pruned harshly.
1500	Evergreen ash	32	Yes	3	Low	Multiple attachments arise from 8 feet; very little crown; pruned harshly.
1501	Aleppo pine	15	Yes	1	Low	Most of tree has been removed trunk at right angle.
1502	Evergreen ash	26	Yes	3	Moderate	Multiple attachments arise from 12 feet; lion tailed; fresh pruning cuts.
1503	Evergreen ash	24	Yes	3	Moderate	Multiple attachments arise from 12 feet; lion tailed; fresh pruning cuts.
1504	Aleppo pine	15	Yes	2	Low	Poor form and structure; trunk turns at right angles; flat top.
1505	White ironbark	20	Yes	3	Moderate	Codominant trunks arise from 6 feet; lost top; dense crown.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1506	Evergreen ash	27	Yes	4	High	Multiple attachments arise from 9 feet; dense spreading crown.
1507	Evergreen ash	33	Yes	4	High	Multiple attachments arise from 9 feet; dense spreading crown; crossing branches.
1508	Nichol's willowleafed peppermint	39	Yes	3	Low	Multiple attachments arise from 6 feet; crowns separating; many branches appear structurally unstable.
1509	Nichol's willowleafed peppermint	27	Yes	3	Moderate	Codominant trunks arise from 10 feet; dense full crown.
1510	Olive	12,11,9	Yes	2	Low	Pruned into lolly pops; trunk decay.
1511	Nichol's willowleafed peppermint	21	Yes	2	Low	Poor form and structure; multiple attachments arise from 6 feet; thin upper crown.
1512	Evergreen ash	14,13	Yes	2	Low	Codominant trunks arise from 4 feet; previously topped; vigorously sprouting.
1513	Canary Island pine	13	Yes	3	Moderate	Good form and structure; thin crown.
1514	Olive	10,8,8,7	Yes	3	Low	Extensive trunk decay.
1515	Blackwood acacia	21	Yes	3	Moderate	Multiple attachments arise from 10 feet; dense full crown.
1516	Blackwood acacia	14	Yes	3	Moderate	Leans south; pruned up.
1517	Water gum	8	No	5	High	Good young tree.
1518	Olive	12,11,10,7	Yes	4	High	Multiple attachments arise from base; dense crown.
1519	Blackwood acacia	13	Yes	4	Moderate	Dense crown; moss growing on base.
1520	Canary Island pine	21	Yes	3	Low	Lost top; multiple attachments arise from 25 feet.
1521	African fern pine	10	No	3	Low	Sinuous trunk; remove staking; close to building.
1522	African fern pine	9,5	No	2	Low	Poor form and structure; failing at base.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1523	Olive	7,7,6,5	Yes	4	High	Multiple attachments arise from base; dense crown.
1524	Mexican fan palm	22	Yes	4	High	30 foot brown trunk height; fronds to 10 feet.
1525	Blackwood acacia	19	Yes	3	Moderate	Multiple attachments arise from 7 feet; dense crown.
1526	African fern pine	8	No	3	Low	Codominant trunks arise from 5 feet; sinuous; pruned away from building.
1527	Blackwood acacia	24	Yes	2	Low	Multiple attachments arise from 8 feet; large dead branches; history of branch failure.
1528	Coast redwood	26	Yes	5	High	Good form and structure.
1529	Coast redwood	15	Yes	3	Moderate	Short stunted growth.
1530	Coast redwood	23	Yes	4	High	Good form and structure; thin upper crown.
1531	Coast redwood	19	Yes	4	High	Good form and structure.
1532	Red ironbark	31	Yes	2	Low	Poor form and structure; vigorous sprouting.
1533	Canary Island pine	18	Yes	4	High	Good form and structure; discolored foliage.
1534	London plane	13	Yes	4	High	One sided south; leans north.
1535	London plane	17	Yes	4	High	Multiple attachments arise from 6 feet; wide spreading crown.
1536	Water gum	9	No	3	Moderate	Leaning east; dense crown.
1537	Water gum	9	No	3	Moderate	Codominant trunks arise from 4 feet; leaning east; dense crown.
1538	Water gum	9	No	3	Moderate	Codominant trunks arise from 4 feet; leaning east; dense crown; 1 foot long trunk wound.
1539	Zelkova	12	Yes	3	Moderate	Multiple attachments arise from 6 feet; leaning west; sunburnt trunk.
1540	Hollywood juniper	6	No	4	Moderate	Leaning south; in grove of smaller trees.
1541	Zelkova	11	No	3	Moderate	Multiple attachments arise from 6 feet; crossing branches.
1542	Coast redwood	19	Yes	2	Low	Partial failure; low vigor; thin crown.
1543	Coast redwood	21	Yes	2	Low	Low vigor; thin crown; poor color.

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Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1544	Zelkova	12	Yes	4	Moderate	Multiple attachments arise from 10.
1545	Coast redwood	14	Yes	3	Moderate	Low vigor; thin crown; poor color.
1546	Coast redwood	22	Yes	2	Low	Low vigor; thin crown; poor color; poor structure.
1547	Zelkova	10,7,7	Yes	2	Low	Multiple attachments arise from 3 feet; trunk decay; sunburn; dieback.
1548	Zelkova	11,10,6	Yes	3	Moderate	Multiple attachments arise from 3 feet; lion tailed.
1549	Zelkova	11	No	3	Moderate	Multiple attachments arise from 5 feet; pruned for utilities.
1550	Sweetgum	7	No	4	High	Good form and structure; remove staking.
1551	Honey box	21	Yes	3	Low	Codominant trunks arise from 10 feet; pruned harshly for utilities.
1552	Sweetgum	12	Yes	4	High	Multiple attachments arise from 15 feet; full crown.
1553	Callery pear	11	No	3	Moderate	Multiple attachments arise from 6 feet; suppressed by neighboring trees.
1554	Sweetgum	11	No	4	High	Multiple attachments arise from 15 feet; full crown.
1555	Callery pear	10	No	3	Moderate	Multiple attachments arise from 6 feet; suppressed by neighboring trees.
1556	Sweetgum	15	Yes	4	High	Multiple attachments arise from 15 feet; full crown.
1557	Callery pear	8	No	3	Moderate	Multiple attachments arise from 6 feet; narrow crown.
1558	Callery pear	8	No	4	Moderate	Codominant trunks arise from 6 feet; spreading crown.
1559	Aleppo pine	30	Yes	3	Moderate	Codominant at 6'; one sided to south.
1560	Aleppo pine	22	Yes	3	Low	Base outside dripline to south.
1561	Aleppo pine	20	Yes	2	Low	Partial failure ; thin crown.
1562	Aleppo pine	14	Yes	2	Low	Extreme bow to south; poor form and structure.
1563	Aleppo pine	26	Yes	3	Moderate	Multiple attachments at 5'; upright form.
1564	Aleppo pine	19	Yes	2	Low	Narrow attachment at 12' with included bark; leans south.

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1565	Aleppo pine	26	Yes	3	Low	Multiple attachments at 5'; upright form; stem on north has weak attachment.
1566	Aleppo pine	19	Yes	3	Moderate	Codominant at 6' with wide attachment.
1567	Aleppo pine	23	Yes	3	Moderate	Multiple attachments at 5'; upright and narrow crown.
1568	Aleppo pine	19	Yes	3	Moderate	Single upright stem.
1569	Aleppo pine	19	Yes	3	Low	Poor form and structure; heavy lateral limb over road.
1570	Aleppo pine	13	Yes	3	Moderate	Single upright stem.
1571	Aleppo pine	13,11	Yes	3	Low	Partial failure; codominant at 4'.
1572	Aleppo pine	18,14	Yes	2	Low	Codominant at 5' with wide attachment; 18" stem topped.
1573	Aleppo pine	22	Yes	3	Low	Poor form and structure; base outside dripline to south.
1574	Aleppo pine	19,14	Yes	3	Moderate	Codominant at 5' with wide attachment; 19" stem has good upright form.
1575	Aleppo pine	21	Yes	1	Low	Very poor form; stem to west has severe 90° angle.
1576	Aleppo pine	23	Yes	3	Moderate	Full crown; half of crown bows to south.
1577	Aleppo pine	16,10	Yes	2	Low	Thin crown; wide codominant attachment at 3'.
1578	Aleppo pine	12	Yes	2	Low	Failed at base leaving one upright stem leaning to south.
1579	Aleppo pine	13	Yes	1	Low	Failed at base leaving one upright stem leaning to east; thin crown.
1580	Aleppo pine	17	Yes	2	Low	Squat form; wide codominant attachment at 5'.
1581	Aleppo pine	19,16	Yes	3	Moderate	Codominant at 3' with wide attachment; full crown.
1582	Aleppo pine	13	Yes	3	Moderate	Single upright stem.
1583	Aleppo pine	12	Yes	3	Moderate	Single stem leans south.
1584	Aleppo pine	14	Yes	4	Moderate	Single stem; good upright form.
1585	Aleppo pine	12,11	Yes	3	Moderate	Codominant at 1' with wide attachment; full crown.
1586	Aleppo pine	25	Yes	4	Moderate	Single stem; good upright form.
1587	Aleppo pine	16	Yes	3	Moderate	Single stem; top of crown bows south.

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1588	Aleppo pine	17	Yes	3	Low	Narrow codominant attachment at 6' with included bark; leans south.
1589	Aleppo pine	12	Yes	3	Moderate	Single stem; thin crown.
1590	Aleppo pine	13,10	Yes	3	Low	Codominant at 3' with wide attachment; thin crown.
1591	Aleppo pine	14	Yes	2	Low	Single stem; thin crown with poor color; trunk bows south.
1592	Aleppo pine	10	No	1	Low	Failing at base; extreme lean to south.
1593	Aleppo pine	14	Yes	2	Low	Single stem; thin crown with poor color; trunk leans south.
1594	Aleppo pine	13	Yes	2	Low	Poor form and structure; thin narrow crown.
1595	Aleppo pine	14	Yes	2	Low	Multiple attachments at 8'; thin crown.
1596	Aleppo pine	10,8	Yes	1	Low	Poor form and structure; thin narrow crown outside dripline. to south.
1597	Aleppo pine	15	Yes	3	Low	Single stem with crook at 3'.
1598	Aleppo pine	20	Yes	3	Low	Codominant at 6' with wide attachment.
1599	Aleppo pine	12	Yes	2	Low	Single stem; thin crown with poor color; crown bows south.
1600	Aleppo pine	16	Yes	3	Low	Single stem with crook at 3'.
1601	Aleppo pine	11,8	Yes	3	Low	Codominant at 3' with wide attachment; thin crown.
1602	Aleppo pine	11	No	3	Low	Single stem; very thin crown.
1603	Aleppo pine	13	Yes	3	Moderate	Single stem; good upright form.
1604	Aleppo pine	18	Yes	3	Moderate	Single stem; slight lean south.
1605	Aleppo pine	17,15	Yes	3	Moderate	Codominant at 3' with wide attachment.
1606	Aleppo pine	7	No	1	Low	Extremely thin; partial failure.
1607	Aleppo pine	14	Yes	3	Moderate	Single stem; slight lean south.
1608	Aleppo pine	10	No	3	Low	Single stem; thin crown; leans south.
1609	Aleppo pine	18	Yes	3	Low	Top of crown bows south; crooked form.
1610	Aleppo pine	17,14	Yes	3	Moderate	Codominant at 2' with wide attachment; poor form and structure.

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1611	Aleppo pine	12	Yes	3	Low	Single stem; thin crown; leans south.
1612	Aleppo pine	12	Yes	3	Moderate	Single stem; good upright form.
1613	Aleppo pine	16,12	Yes	3	Moderate	16" stem has good upright form; 12" stem bows to south.
1614	Aleppo pine	12	Yes	2	Low	Single stem; thin crown with poor color; crooked form.
1615	Windmill palm	8	No	3	Moderate	30' brown trunk; small crown.
1616	Windmill palm	10	No	4	High	30' brown trunk; full crown.
1617	Carob	13	Yes	3	Low	Multiple attachments at 7'; thin crown; trunk wounds.
1618	Carob	11	No	3	Moderate	Multiple attachments at 7'; full crown.
1619	Carob	10	No	3	Moderate	Multiple attachments at 7'; thin crown.
1620	Carob	11	No	2	Low	Extremely thin crown.
1621	Carob	14	Yes	2	Low	Extremely thin crown.
1622	Carob	13	Yes	3	Low	Extremely thin crown on east.
1623	Carob	11	No	2	Low	Thin crown; poor color.
1624	Carob	11	No	4	Moderate	Full dense crown; good color; good form and structure.
1625	Carob	8	No	2	Low	Extremely thin crown with dieback.
1626	Carob	7	No	3	Moderate	Slightly thin crown; off color.
1627	Carob	8	No	3	Moderate	Good form and structure; sunburned bark.
1628	Carob	11	No	2	Low	Extremely thin crown.
1629	Carob	9	No	2	Low	Extremely thin crown.
1630	Carob	12	Yes	2	Low	Thin crown; poor color.
1631	Carob	12	Yes	1	Low	Extremely thin crown with extensive dieback; fruiting bodies at base.
1632	Carob	12	Yes	3	Moderate	Full crown; slight lean east.
1633	Carob	12	Yes	1	Low	Extremely thin crown with extensive dieback.
1634	Carob	8	No	3	Moderate	Wound from stake on west; full crown.

Tree Assessment

City Place
Santa Clara, CA
February 23, 2015

Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1635	Carob	12	Yes	3	Moderate	Poor color; good form and structure.
1636	Carob	16	Yes	1	Low	Extremely thin crown with extensive dieback.
1637	Carob	19	Yes	3	Moderate	Good vigor; full crown; dieback in upper crown.
1638	Carob	15	Yes	4	Moderate	Full crown; low dead limb on east; good form and structure.
1639	Carob	11	No	4	Moderate	Good vigor; full crown; good form and structure.
1640	Carob	10	No	4	Moderate	Good vigor; full crown; good form and structure.
1641	Aleppo pine	15	Yes	4	Moderate	Good upright form.
1642	Aleppo pine	11,9	Yes	3	Low	Codominant at 3' with wide attachment; thin narrow crown.
1643	Aleppo pine	11,8	Yes	3	Moderate	8" has severe bow to south; 11" has good upright form.
1644	Aleppo pine	11	No	3	Moderate	Single stem with upright form.
1645	Aleppo pine	12,11	Yes	3	Low	Codominant at 3' with wide attachment; thin narrow crown.
1646	Aleppo pine	13,13	Yes	3	Low	Codominant at 3' with wide attachment; thin narrow crown.
1647	Aleppo pine	16	Yes	3	Moderate	Single stem with upright form.
1648	Aleppo pine	8	No	1	Low	Severe lean to south; partial failure.
1649	Aleppo pine	17	Yes	3	Low	Lost central leader; cavity filled with foam on north.
1650	Aleppo pine	13,13	Yes	3	Moderate	Codominant at 1' with wide attachment.
1651	Aleppo pine	10	No	3	Moderate	Single stem with upright form.
1652	Aleppo pine	15	Yes	3	Low	Partially failed; corrected form; codominant at 7'.
1653	Aleppo pine	14	Yes	4	Moderate	Good upright form.
1654	Aleppo pine	15	Yes	3	Moderate	Heavy lateral limb high in crown; crooked form.
1655	Aleppo pine	11	No	2	Low	Trunk sweeps up at 2'; thin crown.
1656	Aleppo pine	15	Yes	1	Low	Little live foliage.
1657	Aleppo pine	14	Yes	3	Low	Codominant at 8' with narrow attachment.
1658	Aleppo pine	16	Yes	3	Moderate	Multiple attachments at 8'; thin crown.
1659	Aleppo pine	11	No	2	Low	Extreme lean east; partial failure.

Tree Assessment

City Place
Santa Clara, CA
February 23, 2015

Tree No.	Species	Trunk Diameter (in.)	Heritage Tree?	Condition 1=poor 5=excellent	Suitability for Preservation	Comments
1660	Aleppo pine	9,7	No	2	Low	Suppressed form; codominant at 2'.
1661	Aleppo pine	12	Yes	2	Low	Corrected form to east; partial failure.
1662	Aleppo pine	12,4	Yes	2	Low	Low stem at 2'; poor form and structure.

Appendix 3.14

Water Supply Assessment

CITY OF SANTA CLARA
WATER AND SEWER UTILITIES

CITY PLACE

DEVELOPMENT APPLICATION

WATER SUPPLY ASSESSMENT FOR COMPLIANCE WITH CALIFORNIA WATER CODE SECTION 10910

Approved by City Council
Resolution # TBD

1500 WARBURTON AVE
SANTA CLARA, CA 95050

CITY PLACE

DEVELOPMENT APPLICATION

WATER SUPPLY ASSESSMENT FOR COMPLIANCE WITH CALIFORNIA WATER CODE SECTION 10910

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CITY PLACE

WATER SUPPLY ASSESSMENT FOR COMPLIANCE WITH CALIFORNIA WATER CODE SECTION 10910

INTRODUCTION

The City Place project ("City Place" or the "Project") is located on approximately 240 acres generally located north of Tasman Drive, east of Great America Parkway and San Tomas Aquino Creek, west of the Guadalupe River, and south of Great America Way and State Route 237 in the City of Santa Clara ("City"). Most of the site was formerly utilized as a Landfill, which ceased accepting waste in 1993 and received final closure certification in September 1994. Other portions of the Project site include the Eastside Retention Basin to the north of the Landfill and vacant parcels between Tasman Drive to the south and Stars and Stripes Drive to the north. The Project site is currently occupied by the Santa Clara Golf & Tennis Club, Fire Station 10, a Bicycle-Motocross track, the Ameresco Methane Plant, Eastside Retention Basin, a City vehicle washing station, and vacant lots used for parking. The APN's for this Project include: 104-03-038, 104-03-039, 104-03-036, 104-03-037, 104-01-102, 097-01-039, 097-01-073. The Project would involve the demolition of the existing buildings and on-site features at the Project site and the construction of a new multi-phased, mixed-use development. The project land uses will be a combination of office space, retail space, hotel development, landscape, and residential units defined as two development scenarios, Scheme A or Scheme B, Scheme A includes 5,724,400 gross square feet (gsf) of office space, 1,502,000 gsf of retail space, 578,000 gsf of hotel development, 4,521,500 gsf of new landscape, and 1,360 multifamily residential units. Scheme B includes 6,684,400 gsf of office space, 1,702,000 gsf of retail space, 578,000 gsf of hotel development, 4,521,500 gsf of new landscape and 200 multifamily residential units, For this Project both Scheme A and Scheme B have been included in this Assessment as two distinct and independent development scenarios.

On May 27,, 2015 the Applicant submitted a request for a Water Supply Assessment ("WSA" or "Assessment") in accordance with the California Water Code and the California Environmental Quality Act in conjunction with the review of the proposed Project.

The City of Santa Clara's City Council approved and adopted an Urban Water Management Plan in 2011 ("UWMP" or "2010 UWMP"). The 2010 UWMP did not specifically include or address this project since it was proposed and evaluated after the adoption of the 2010 UWMP. However, the UWMP included projected increases in water demand due to densification and intensification of both residential and non-residential land uses. The projected increase in water demand for this Project, of 1,599.3 acre ft/yr for Scheme A and 1609.7 for Scheme B, are within the growth projections of the 2010 UWMP.

This Assessment relies on the data contained in and used to develop the UWMP. Unless noted, all figures in this Assessment are in acre-feet and are for total water demand or supply, i.e. both potable and recycled water.

The findings of this Assessment will be submitted to the City Council for approval and included in the environmental review process. The City's approval, denial, conditional approval or any act on this Assessment does not guarantee that the Project will be approved and does not obligate the City to approve, deny, conditionally approve, take any action, or make any decision on the Project application.

The City of Santa Clara has four sources of water. These sources include two treated water sources, groundwater, and recycled water. Contracts for the two treated water sources, the Santa Clara Valley Water District ("SCVWD" or "District") and the San Francisco Public Utilities Commission ("SFPUC"), are contained in Appendices A and B respectively. The City purchases recycled water from South Bay Water Recycling ("SBWR"). The contract for recycled water is contained in Appendix C. The City also owns and operates 27 groundwater wells located within the City's boundaries.

Recycled water use within the City is limited by the availability of acceptable uses and proximity to the recycled water distribution system. The use of treated surface water from SCVWD and SFPUC is limited by the respective contracts.

The City has projected meeting anticipated future water demands using the City's four existing water supplies and water conservation. The City's analysis of future water demand and available supply, which will be discussed later in this Assessment, indicates that additional water supplies are not necessary to meet current projected demands. Tables 1a and 1b below show the anticipated volume of water that will be used from each source to meet the expected demands projected in the UWMP. The calculation of the future water demands for this Project will be discussed in detail later in this Assessment.

Table 1a – With SFPUC
Water Supply Projections by Water Source (acre-ft/yr)[1,2,3]

Source	2010	2015	2020	2025	2030	2035
Groundwater	13,980	23,048	23,048	23,048	23,048	23,048
SFPUC	2,454	5,040	5,040	5,040	5,040	5,040
SCVWD	4,372	4,570	5,236	5,236	5,236	5,236
Recycled Water	2,409	4,000	4,300	4,500	4,500	4,500
Conservation	0	694	795	874	930	930
Total	23,215	37,352	38,419	38,698	38,754	38,754

The current contract with SFPUC indicates that if certain conditions are met, the City may be required to reduce or eliminate its take from SFPUC. Table 1b incorporates all of the assumptions listed above and the additional assumption that the SFPUC supply will be unavailable for 2018 and beyond. In a worst case scenario, the City of Santa Clara could lose its anticipated 4.5 MGD (5,040 acre-ft/yr) supply from SFPUC, reducing the total water supply projections by 5,040 acre-ft/yr from 2018 through 2035.

[1] Water Supply Agreement between The City and County of San Francisco and Wholesale Customers in Alameda County, San Mateo County and Santa Clara County, July 2009.

[2] Page 89 of Master agreement provides "The allocation of that total amount (9 MGD) between San Jose and Santa Clara shall be as set forth in their individual Water Sales Contracts" Santa Clara's portion of the 9 mgd is half.

Table 1b – Without SFPUC
Water Supply Projections by Water Source (acre-ft/yr)[3]

Source	2010	2015	2020	2025	2030	2035
Groundwater	13,980	23,048	23,048	23,048	23,048	23,048
SFPUC	2,454	5,040	0	0	0	0
SCVWD	4,372	4,570	5,236	5,236	5,236	5,236
Recycled Water	2,409	4,000	4,300	4,500	4,500	4,500
Conservation	0	694	795	874	930	930
Total	23,215	37,352	33,379	33,658	33,714	33,714

If the City was required to eliminate the usage of water from SFPUC, the City would consider maintaining its existing 2010 UWMP total water supply projections by increasing groundwater utilization, increasing imported SCVWD surface water supply, or a combination of the two supplies.[4]

The City of Santa Clara's 2002 Water Master Plan examined possible mitigation measures to be taken in the event that the supply from SFPUC was lost either temporarily or long term. These mitigations included the increased use of groundwater and treated water from the District. As a result of the analysis in the 2002 Master Plan two new wells (wells 32 and 34) were installed in the area north of Highway 101 in a previously untapped area of the basin. In the last 10 years, from 2004-2013, the City of Santa Clara has pumped between 13,930 acre-ft and 15,943 acre-ft of groundwater annually. These volumes are lower than the amount that has historically been pumped. The historic high for groundwater utilization occurred in FY1986/87 when 23,048 acre-ft was extracted. The historic high for groundwater production also occurred prior to the installation of wells 32 and 34, in a previously untapped portion of the City. Each of these wells has a production rating of 1,000 gpm or 1,613 acre-ft/year. Therefore, the use of 23,048 acre-ft/yr as a supply for groundwater is conservative based on the availability of the two new wells.

Increased use of recycled water could also be used to mitigate a portion of the loss of other supplies. From 2011 - 2012, the City expanded its recycled water distribution system by 30 percent and increased the system from 26 miles to 34 miles. In 2014, recycled water accounted for 16% of total water sales.

[3] City of Santa Clara Urban Water Management Plan, page 24 (amended to show an increase in SCVWD treated water starting 2017).
[4] City of Santa Clara 2002 Water Master Plan.

PROJECTED POTABLE WATER SUPPLY

The Santa Clara potable water system is separated into four interconnected zones in order to provide optimum pressures throughout the City. The four pressure zones and the location of the Project are shown in Figure 1.

Figure 1

Pressure Zones

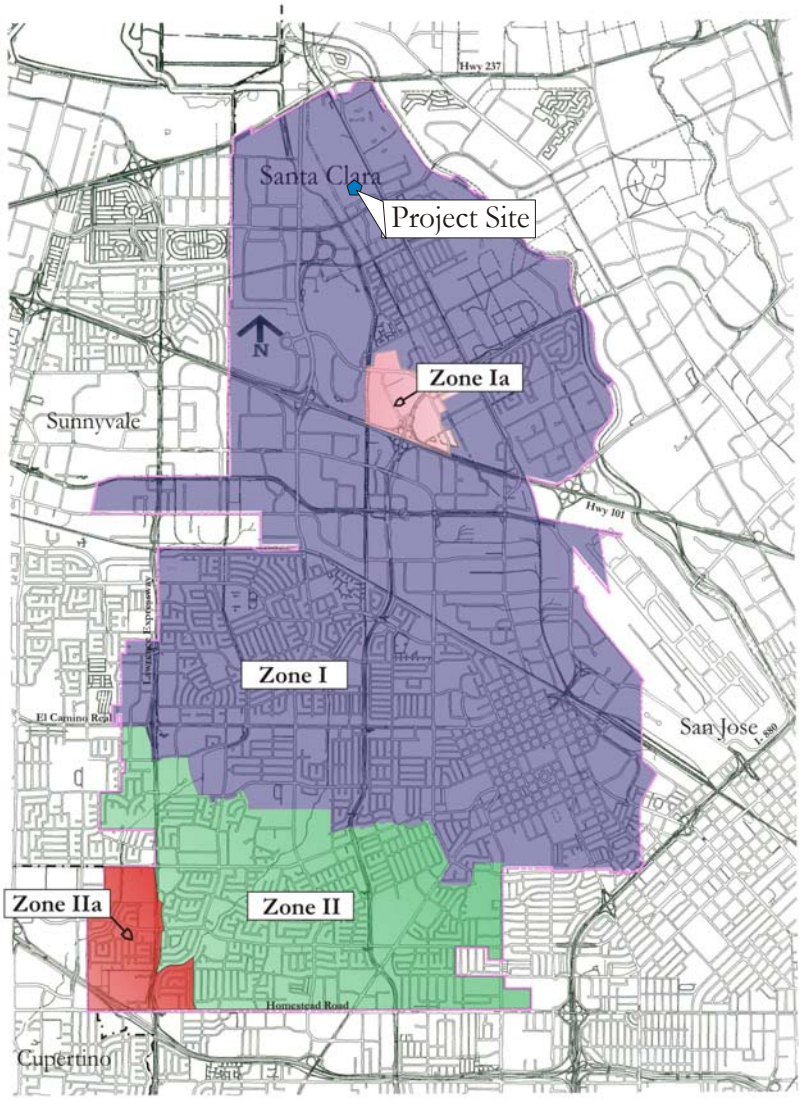
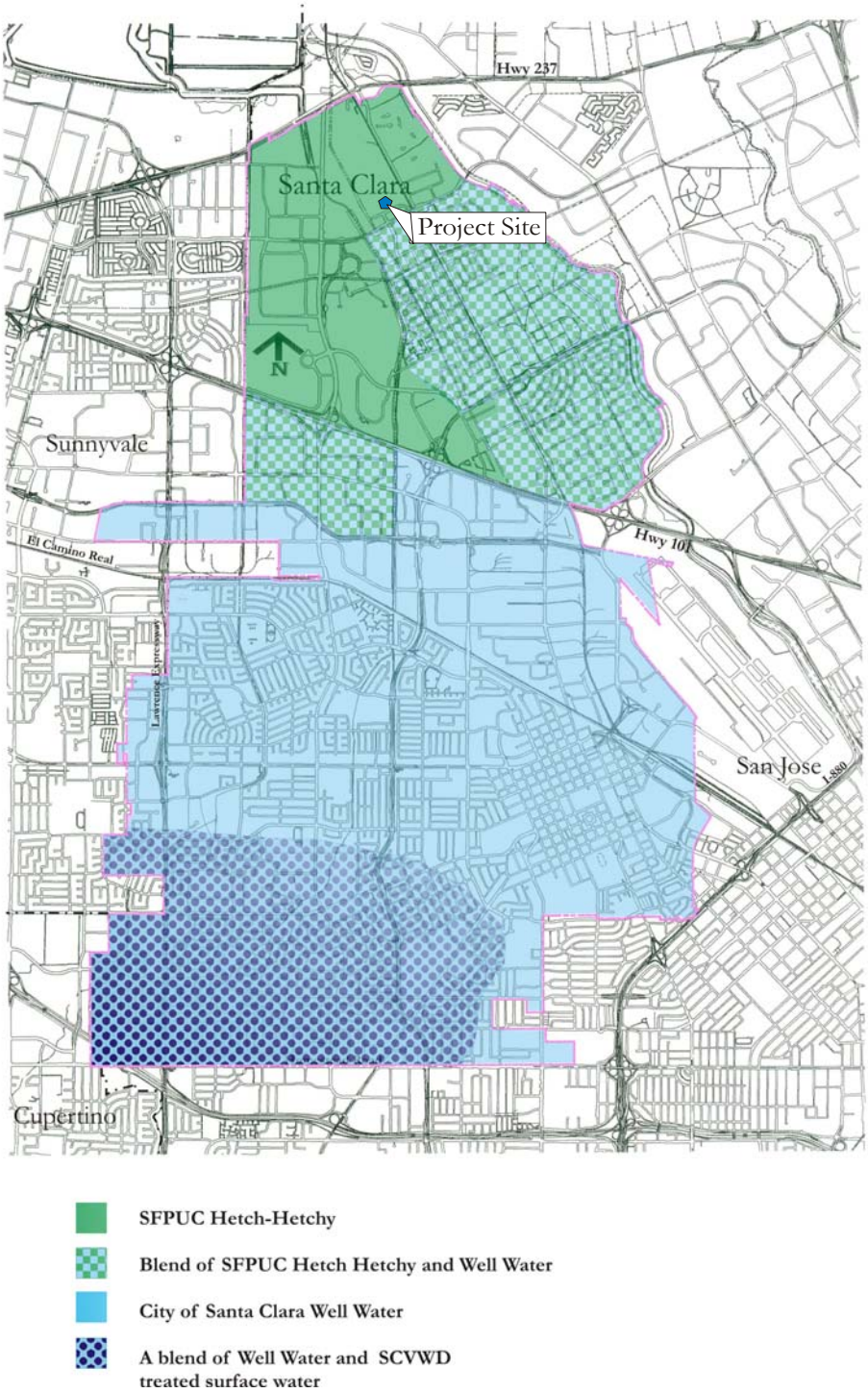


Figure 2 shows the water source by area. As shown in Figure 2, water purchased from SFPUC is used to supply water north of Highway 101. Treated surface water purchased from the SCVWD is used in conjunction with groundwater to supply water to the southern portion of the City. The Project is in an area of Zone I that is mainly served by a blend of SFPUC Hetch Hetchy water and the City's well water supply.

Figure 2

Source of Water by Area



GROUNDWATER

PROJECTED GROUNDWATER SUPPLY

The City of Santa Clara is supplied by groundwater from the Santa Clara Valley Groundwater Basin. The Santa Clara Valley Groundwater Basin extends from the Coyote Narrows at Metcalf Road in San Jose to Santa Clara County's northern boundary. The basin is bounded on the west and east by the Santa Cruz and Diablo Ranges, respectively. The mountain ranges converge at Coyote Narrows to form a sub basin. The sub basin is 22 miles long and 15 miles wide, at its widest point, and has a 225 mile surface area. District staff estimates that the operational storage capacity of the sub basin is 350,000 acre feet with an estimated maximum annual withdrawal of 200,000 acre feet.[5]

The Santa Clara Valley Groundwater Basin is not adjudicated. The allowable withdrawal or safe yield of groundwater by the City of Santa Clara is dependent on a number of factors, including: withdrawals by other water agencies; the quantity of water recharged to the basin; and the carryover storage (water available for use but not used in prior years) from each previous year. The SCVWD estimates the amount of carryover storage in April of each year and reviews and modifies the basin's groundwater management strategy to avoid subsidence while allowing for groundwater use as needed to meet demand.[6] The most recent evaluation by the California Department of Water Resources indicates that the Santa Clara Valley Groundwater Basin and the Santa Clara Sub-basin are not in overdraft.[7,8]

The City currently operates 27 wells for extracting potable groundwater from the basin. The City's wells are strategically distributed around the City. The exact location of the wells is not included in this document for security reasons. This distribution of wells adds to the reliability of the water system and minimizes the possibility of localized subsidence due to localized over-drafting. The 2010 UWMP contained a detailed analysis of the historic pumping rates and the depth to water at each well. Minor seasonal fluctuations in the depth to water were noted in the analysis but there is no evidence of declining water table or over-drafting.

The City has well capacity that is not currently being used.[9] The water utility analyzes the capacity of the wells by dividing the actual groundwater production by the theoretical groundwater production if all wells were run at their rated capacity. This calculation yields a "utilization factor" which approximates the percentage of time the wells are run or the percentage of the total groundwater production capacity that is utilized. The utilization factor for the City's wells is currently 22% with several wells being used at less than 10% of their rated capacity. The District has not determined a resource limit to the City's use of groundwater; rather it has represented its ability to obtain sufficient quantities of water supply for the overall water requirements as stated in the City's 2010 UWMP. The amount of groundwater pumped over the period from 1985 to 2014 is shown in Figure 3 below.

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[5] City of Santa Clara 2010 Urban Water Management Plan, page 28

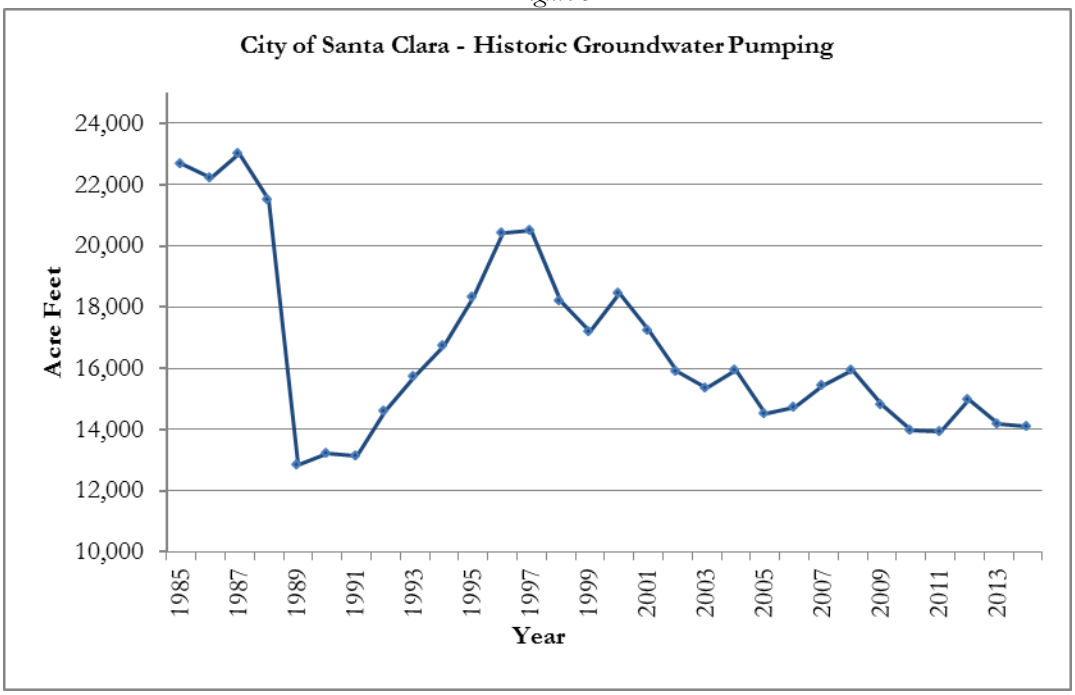
[6] Santa Clara Valley Water District, 2010 Urban Water Management Plan

[7] Department of Water Resources, California's Groundwater Update 2003, DWR Bulletin 118 www.groundwater.water.ca.gov/bulletin118/update2003.

[8] 3515 Monroe Street WSA approved by City Council Resolution #13-8090 on December 3, 2013, Appendix E

[9] City of Santa Clara 2010 Urban Water Management Plan, Appendix G

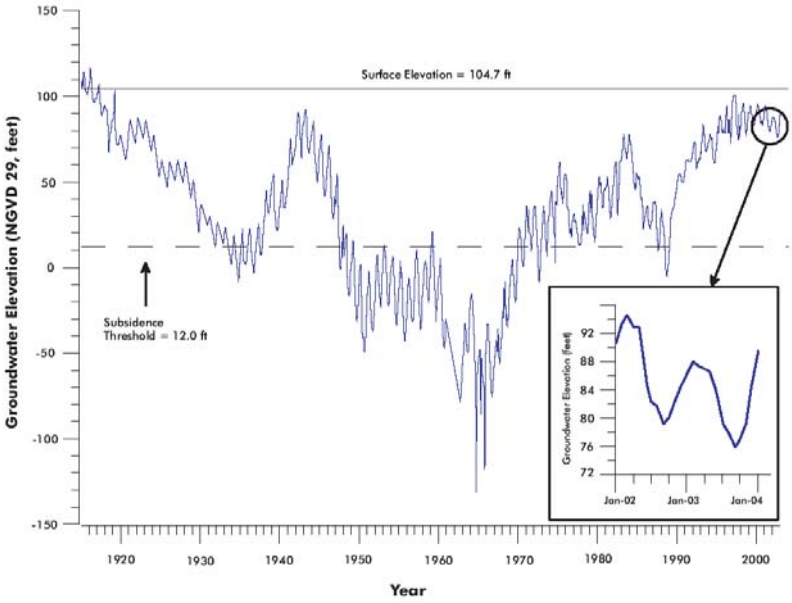
Figure 3



The most recent information from DWR indicates that neither the Santa Clara Valley Basin, nor the Santa Clara Sub Basin, is currently listed as over drafted.[10] As shown in Figure 4 below, even when the City was at the historic peak for groundwater production FY1986/87, the basin was not approaching overdraft.

Figure 4

Hydrograph for Santa Clara Valley Sub Basin Index Well (07S01E07R013)[11]



[10] Department of Water Resources, California's Groundwater Update 2003, DWR Bulletin 118 www.groundwater.water.ca.gov/bulletin118/update2003/

[11] Santa Clara Valley Water District, Groundwater Conditions 2002/2003, January 2005

The 2010 UWMP projects that the City's groundwater use will increase from approximately 13,980 acre-feet per year in 2010 to 23,048 acre-feet per year in 2015 and remain at that level in subsequent years (see Table 1a/b). This conservative projection is unlikely to come to fruition as 2014 groundwater use totaled 14,096 acre-feet, 8,952 acre-feet below projected 2015 ground water use. At the time that the 2010 UWMP was being prepared, groundwater use projections for the Santa Clara Valley Groundwater Basin had not been finalized for water planning purposes by other water providers in the region. This led the City to use each water provider's 2005 groundwater use projections. In 2005, agencies only projected groundwater use through 2030. At that point, in the absence of retailer projections for 2035, a rough projection was made using the average five-year incremental increase in cumulative groundwater demand. As a result, the 2010 UWMP cumulative groundwater demand for all groundwater producers in the basin, using conservative future extraction assumptions, indicate that by 2035, groundwater use could be approximately 166,000 acre-feet per year compared with an estimated withdrawal capacity of approximately 200,000 acre-feet per year.[12]

Groundwater use projections were subsequently finalized in the 2010 UWMPs adopted by other basin users. Table 2 compares the 2010 UWMP estimates with the projected groundwater use identified by each water service provider for 2035.

Table 2
Projected Santa Clara Valley Groundwater Basin Use
2035 (acre-feet per year)

Retailer	City(s) Served by Retailer	Projected Ground Water Use in Santa Clara 2010 UWMP (Table 34)	Projected Ground Water Use in other jurisdictions' 2010 UWMPs
		2035	**2035**
City of Santa Clara	City of Santa Clara	23,048	23,048
San Jose Water Company	Campbell, Cupertino, San Jose, Saratoga, Los Gatos, Monte Sereno	78,522	61,940
San Jose Municipal Water System	San Jose	25,085	15,888
Great Oaks Water Company	San Jose	32,314	9,302
California Water Service Company (Los Altos District)	Cupertino, Los Altos, Los Altos Hills, Mountain View, Sunnyvale	4,447	3,492
City of Mountain View	Mountain View	45	285
City of Sunnyvale	Sunnyvale	2,940	1,000
TOTAL		**166,400**	**114,955**

Sources:
San Jose Water Company 2010 UWMP, page 19 Table 16;
San Jose Municipal Water System 2010 UWMP, page 4-7, Table 4-4;
Great Oaks Water Company 2010 UWMP, page 19 Table 19A;
California Water Service Company (Los Altos Suburban District) 2010 UWMP, page 43, Table 4.1-1;
City of Mountain View 2010 UWMP page 5-22, Table 5-6;
City of Sunnyvale 2010 UWMP, page 4-5, Table 4-4.

Table 2 shows that the actual groundwater use projections are substantially lower than estimated for the water service providers considered in the 2010 UWMP. By 2035, the 2010 UWMP estimates indicate that Santa Clara Valley Groundwater Basin extractions, including the City's use of 23,048 acre-feet per

[12] 2010 UWMP, page 54, Table 34.

year, will be approximately 114,955 acre-feet per year, or more than 50,000 acre-feet per year lower than estimated in the 2010 UWMP. The projected cumulative 2035 demand level would also be substantially below the basin's estimated 200,000 acre-feet per year safe yield. Although the current projected water supplies already cover the projected growth in the 2010 UWMP, the remaining available safe yield groundwater supplies coupled with the City's lower than projected current groundwater demands provide room for growth above and beyond 2035 projections. The groundwater demand projections finalized after the City adopted the 2010 UWMP provide further evidence that the City's projected groundwater use would not individually or cumulatively generate adverse effects to local or regional groundwater supplies and aquifer conditions over time.[13]

PROJECTED RECYCLED WATER SUPPLY

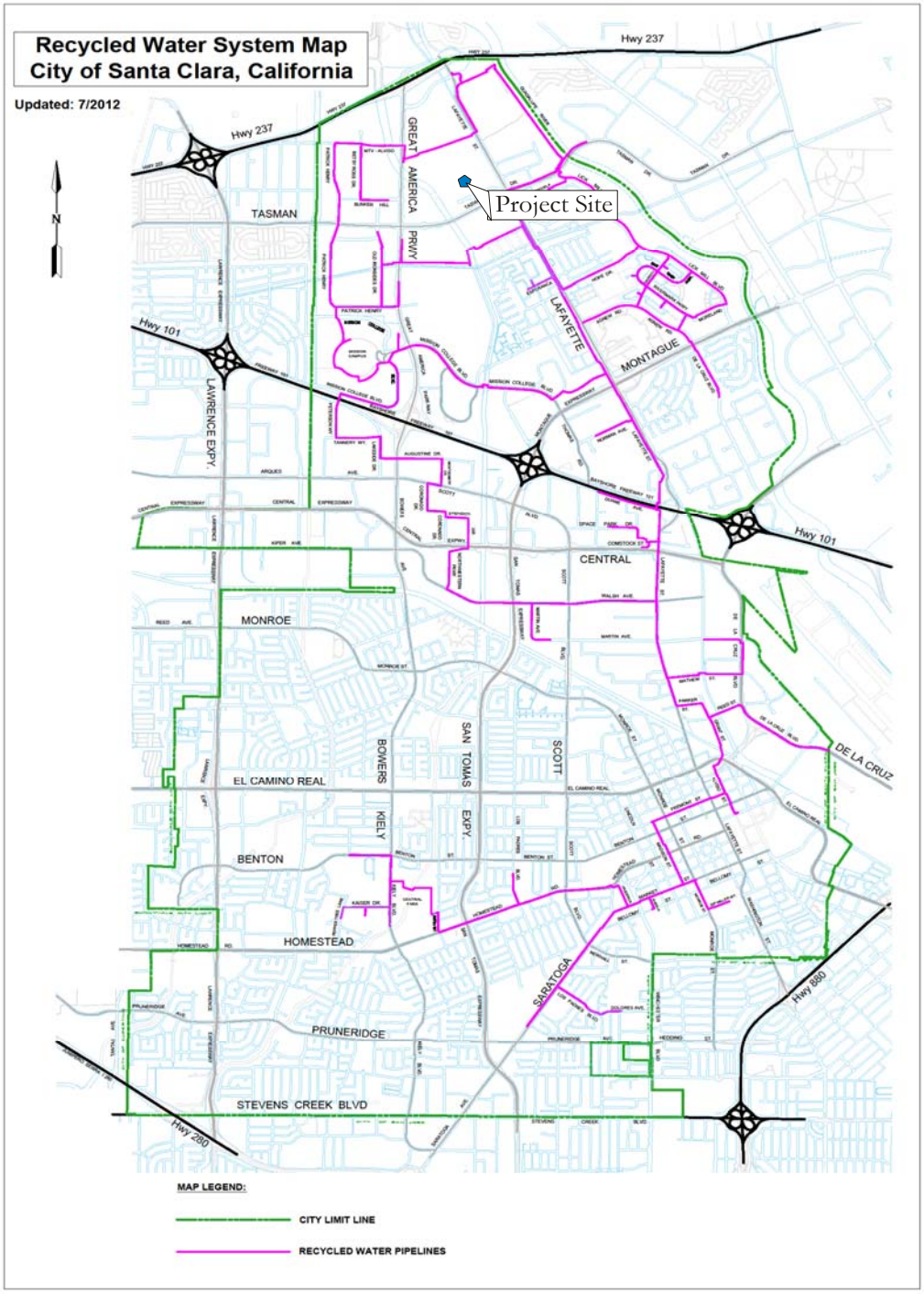
Recycled water is currently available at the project site to provide landscape irrigation to the 4,521,500 gsf of proposed on-site landscaping. This would result in a 390 acre ft/year reduction in potable water demands for the Project. Further, dual plumbing is being considered in commercial applications throughout the project, which could achieve potable water savings by using recycled water for toilet and urinal flushing. Savings from dual plumbed buildings could be substantial, but is difficult to estimate at the projects current state of development. Although recycled water service is available to serve the project site and would result in significant potable water savings, all water demands will be calculated as potable water demand for this assessment.

The recycled water available in the City is provided by South Bay Water Recycling (SBWR) and meets current regulations of the California State Water Resources Control Board, Division of Drinking Water (DDW) for unrestricted use. This designation allows for the use of recycled water for irrigation and industrial use within specific guidelines. As noted in the 2010 UWMP there is ample capacity within the recycled water system. The San Jose/Santa Clara Water Pollution Control Plant currently produces in excess of 100 million gallons per day of water that meets recycled water standards, however system-wide recycled water sales are approximately 14 million gallons per day. The recycled water distribution system is shown in Figure 5 below.

The recycled water system has operated since 1989 with minimal interruptions in service. SBWR strives to reduce the number of instances, duration, and magnitude of any service interruptions. The use of recycled water at any site is contingent upon the completion of the necessary arrangements in accordance with SBWR, City of Santa Clara and DDW rules and regulations regarding the use of recycled water. In addition, payment must be made of applicable fees, rates and charges. These fees/rates and charges may include but are not limited to charges for major facilities described above and delivery charges for the recycled water used.

[13] 3515 Monroe Street WSA approved by City Council Resolution #13-8090 on December 3, 2013, Appendix E

Figure 5


Recycled Water System Map
City of Santa Clara, California
Updated: 7/2012
N
Project Site
Hwy 237
Hwy 101
Hwy 880
Hwy 280
TASMAN
GREAT AMERICA PRWY
LAFAYETTE
MONTAGUE
LAWRENCE EXPY
CENTRAL
MONROE
BOWERS
SAN TOMAS EXPY
SCOTT
DE LA CRUZ
EL CAMINO REAL
KIELY
BENTON
HOMESTEAD
SARATOGA
PRUNERIDGE
STEVENS CREEK BLVD
MAP LEGEND:
CITY LIMIT LINE
RECYCLED WATER PIPELINES

The 2010 UWMP projected increases in water demand using an "End Use" model. Two main steps are involved in developing an End Use model: (1) establishing base year water demand at the end-use level (such as toilets, showers) and calibrating the model to initial conditions and (2) forecasting future water demand based on future demands of existing water service accounts and future growth in the number of water service accounts. The calculations assumed that the density of residential housing would increase over the study period and that redevelopment and changes would result in water demand increases in other sectors.

After establishing the base year, the water demand at the end-use is calculated by breaking down total historical water use for each type of water service account (single family, multifamily, commercial, irrigation, etc.) to specific end uses (such as toilets, faucets, showers, industrial processes and irrigation).[14]

The basic methodology of the model is to break down water usage into an average consumption per account type. Projections are made regarding potential reductions in average consumption based on water conservation programs, and natural replacement of less water efficient processes with more efficient processes. These projections were used to adjust the future average consumption per account figures. Projections of the future number of accounts for each user type of the future number of accounts are also calculated, typically based on other technical studies such as Association of Bay Area Governments ("ABAG") Projections or Census data. The projected number of accounts is based on the projected number of housing units for residential or the projected number of jobs in the case of the industrial and commercial categories. Job projections were taken from the ABAG publication, Silicon Valley Projections. Once both the number of accounts and the average consumption per account are calculated, the number of accounts for each future year was multiplied by the average consumption per account for that year to arrive at a total water demand for each user type. The 2010 UWMP projected increases for each user category in five-year increments. The projected increases for each category are contained in Table 3 below.

Table 3
Projected changes in water demand from the 2010 UWMP (acre-feet)

Year	SFD	MFD	Commercial	Industrial	Institutional	Municipal	System Loss	Total
2010-2014	3,097	1,242	(638)	2,218	282	251	1	6,453
2015-2019	481	151	359	369	48	36	50	1,494
2020-2024	360	96	395	390	37	29	45	1,352
2025-2029	381	122	434	415	37	28	49	1,466
2030-2035	481	218	91	452	41	31	48	1,332

The City has recognized that the end use model used to derive the demand projections in both the 2010 UWMP and the 2005 UWMP generates conservative estimates of future water demand. The 2005 UWMP, for example, overestimated the City's actual water use in 2010—the first five-year projection analyzed in the plan—by more than 7,770 acre-feet. The 2005 UWMP also projected that City water use in 2005 would increase by approximately 2,200 acre-feet in 2010. In 2010 the City's actual water use declined by approximately 3,200 acre-feet from 2005.[15]

[14] For purposes of this Assessment, office space is a subset of a commercial end-use.

[15] 3515-3585 Monroe Street WSA approved by City Council Resolution # 11-7836 on March 15, 2011, pages 15-16, Tables 7 and 8.

The 2010 UWMP projections assume that compared to 2010, City water demand will grow by more than 8,000 acre-feet in 2015, a relatively large 35% increase. As shown in Table 4, however, the City's actual water demand since 2010 has not reflected the growth in water consumption assumed in the 2010 UWMP. If future water deliveries follow the same growth rate as in the actual water deliveries for 2010-2012, then by 2015 overall water deliveries will be significantly less than the levels projected in the 2010 UWMP.

Table 4
Actual City Water Deliveries and System Losses
Compared with Projected Water Deliveries, (acre-feet per year)

	2010 (actual)	2011	2012	2013	2014
Actual Water Deliveries	20,806	20,687	21,193	21,600	19,800
Projected Water Deliveries, 2010 UWMP	20,806	22,097	23,387	24,677	25,968
Difference	-	(1,410)	(2,194)	(3,077)	(6,168)

Source: 3700 El Camino Real WSA approved by City Council Resolution # 13-8031 on April 23, 2013, Table 7.
Note: Includes water deliveries and system losses reported by the City and excludes recycled water use.

As discussed above, the 2005 UWMP projections overestimated the City's 2010 water use by more than 7,770 acre-feet per year (actual 2010 use of 23,213 acre-feet per year versus projected use of 30,986 acre-feet per year). As shown in Table 5 and Figure 6, however, the end use model used to prepare the 2010 UWMP estimates that City demand will rapidly increase after 2010 and eventually approach the levels projected for 2030 in the 2005 UWMP.

Table 5
Projected Water Demand, 2010-2030
2005 UWMP and 2010 UWMP

	2010	2015	2020	2025	2030
2005 UWMP	30,986	32,559	34,004	35,254	36,337
2010 UWMP	23,213	31,259	33,053	34,605	36,071
Change	(7,773)	(1,300)	(951)	(649)	(266)

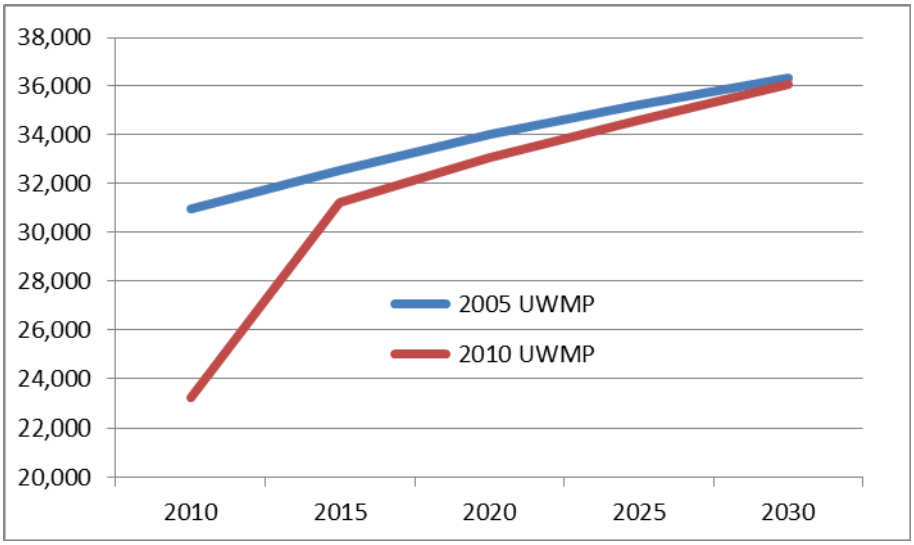
Sources: see Table 1; 3515-3585 Monroe Street WSA approved by City Council Resolution # 11-7836 on March 15, 2011, page 15, Table 7.

Table 5 and Figure 6 show that following a large assumed demand increase of more than 8,000 acre-feet per year by 2015, the end use model produces demand estimates in the 2010 UWMP that approximate the demand levels and trends projected the 2005 UWMP. By 2030, the last projection year in the 2005 UWMP, the difference between the projected demand levels in each plan is only 266 acre-feet per year.[16]

Figure 6

[16] 3515 Monroe Street WSA approved by City Council Resolution #13-8090 on December 3, 2013, Appendix E

Projected Water Demand Trendlines
2005 UWMP and 2010 UWMP (acre-feet per year)



Sources: see Table 5.

The 2010 UWMP assumption that the City's demand will eventually approximate the 2005 UWMP projection levels appears to be conservative because the 2005 projections are known to have significantly overstated actual City demand in 2010. As shown in Table 4, actual water demand after the 2010 UWMP was adopted has also been significantly below the rate of growth projected for the 2010-2015 period. Reflecting these results, WSAs prepared and approved by the City since the 2010 UWMP was adopted have concluded that "overall system demand is significantly lower than … projected by the 2010 UWMP" and that "overall, the [City's] water demands are less than projected by the End Use model."[17] Empirical data since 2005 provides substantial evidence that the end use model used to prepare the 2010 UWMP generates conservative projections that are significantly higher than actual City water use over time.[18]

[17] *See, e.g.,* (a) the 3700 El Camino Real WSA approved by City Council Resolution # 13-8031 on April 23, 2013, Page 14; (b) the 3000 Bowers Avenue WSA approved by City Council Resolution # 12-7963 on August 28, 2012, page 13; and (c) the 2200 Lawson Lane WSA approved by City Council Resolution #12-7964 on August 28, 2012, page 13.

[18] 3515 Monroe Street WSA approved by City Council Resolution #13-8090 on December 3, 2013, Appendix E

PROJECTED WATER DEMAND FOR THE PROPOSED PROJECT

THE TOTAL WATER DEMAND FOR SCHEME A OF THIS PROJECT IS CALCULATED TO BE 1,910.6 ACRE FT/YR. THIS REPRESENTS AN INCREASE IN WATER DEMAND OF 1,599.3 ACRE FT/YR OVER THE HISTORIC WATER DEMAND AT THE SITE WHEN THE HISTORIC USE OF 311.3 ACRE FT/YR IS SUBTRACTED FROM THE PROJECT'S WATER DEMAND. THE PROJECTED INCREASE OF 1,599.3 ACRE FT/YR IS WITHIN THE GROWTH PROJECTIONS IN THE 2010 UWMP. THE TOTAL WATER DEMAND FOR SCHEME B THIS PROJECT IS CALCULATED TO BE 1,921.0 ACRE FT/YR. THIS REPRESENTS AN INCREASE IN WATER DEMAND OF1,609.7 ACRE FT/YR OVER THE HISTORIC WATER DEMAND AT THE SITE WHEN THE HISTORIC USE OF 311.3 ACRE FT/YR IS SUBTRACTED FROM THE PROJECT'S WATER DEMAND. THE PROJECTED INCREASE OF 1,609.7 ACRE FT/YR IS WITHIN THE GROWTH PROJECTIONS IN THE 2010 UWMP. THE CALCULATIONS FOR SCHEME A AND B OF THE PROJECT'S WATER DEMAND WAS DETERMINED USING PROJECT SQUARE FOOTAGE FOUND IN APPENDIX D.ESTIMATED HISTORIC WATER USAGE FOR THE CITY PLACE PROJECT

The historic water usage of 311.3 acre ft/yr for the former land use at the original Project site was taken into account in the 2010 UWMP, therefore this assessment will only address the City's ability to meet the increased water demand noted earlier. Based on the calculated water demand for the proposed Project minus the historic usage at the site, the net increase in the water demand for Scheme A and Scheme B of this Project are calculated to be 1,599.3 and 1609.7 acre ft/yr, respectively, which is within the growth projections in the 2010 UWMP.

ESTIMATED WATER DEMAND FOR PROPOSED DEVELOPMENT

Water demand for the proposed Project Scheme A was calculated based on the average daily demand for the 5,724,400 gross square feet (gsf) of office space, 1,502,000 gsf of retail space, 578,000 gsf of hotel development, 4,521,500 gsf of landscaping, and 1,360 multifamily residential units . Water demand for the proposed Project Scheme B was calculated based on the average daily demand for the 6,684,400 gsf of office space, 1,702,000 gsf of retail space, 578,000 gsf of hotel development, 4,521,500 nsf of landscaping and 200 multifamily residential units. The method and data used to arrive at the estimated water demand for the Project are found in Appendix D of this Assessment.

WATER DEMAND TO BE MET BY RECYCLED WATER

Recycled water is currently available at the project site to provide landscape irrigation to the 4,521,500 gsf of proposed on-site landscaping, for both Scheme A and B. This would result in a 390 acre ft/year reduction in potable water demands for the Project. Further, dual plumbing is being considered in commercial applications throughout the project, which could achieve potable water savings by using recycled water for toilet and urinal flushing. Savings from dual plumbed buildings could be substantial, but is difficult to estimate at the projects current state of development. Although recycled water service is available to serve the project site and would result in significant potable water savings, all water demands will be calculated as potable water demand for this assessment.

SUMMARY OF EXISTING AND ESTIMATED WATER DEMANDS

The complete analysis of the estimated water demands is contained in Appendix D of this Assessment. A summary of the existing and estimated water demands for the Project are found in Table 6a (Scheme A) and 6b (Scheme B) below.

Table 6a (Scheme A)
Existing and Estimated Water Demand Per Year for Project Site

	Status	Gal/yr	Acre-ft/yr
Office Space	Proposed	292,516,840	897.7
Retail Space	Proposed	41,665,480	127.9
Hotel Development	Proposed	101,265,600	310.8
Residential	Proposed	60,064,400	184.3
Landscape Irrigation	Proposed	127,076,760	390.0
Historical Usage for Project Site	Existing	101,449,390	311.3
Total Demand (increase per year)		521,139,690	1,599.3

Table 6b (Scheme B)
Existing and Estimated Water Demand Per Year for Project Site

	Status	Gal/yr	Acre-ft/yr
Office Space	Proposed	341,572,840	1,048.2
Retail Space	Proposed	47,213,480	144.9
Hotel Development	Proposed	101,265,600	310.8
Residential	Proposed	8,833,000	27.1
Landscape Irrigation	Proposed	127,076,760	390.0
Historical Usage for Project Site	Existing	101,449,390	311.3
Total Demand (increase per year)		625,961,680	1609.7

Due to the extended build out period of this project, this assessment analyses the estimated changes in water demand by project parcel. Table 6c (Scheme A) and 6d (Scheme B) provides estimated water demands as well as earliest estimated completion years for each parcel.

Table 6c(Scheme A)
Estimated Water Demand by Parcel

	Earliest Completion	Gal/yr	Acre-ft/yr
Parcel 5 (Phase1)	2019	75,934,126	233.0
Parcel 4 (Phases 2,3,4)	2020	252,713,700	775.6
Parcel 3 (Phase 5)	2025	62,867,819	192.9
Parcel 1 (Phase 6)	2027	84,703,360	259.9
Parcel 2 (Phase 7)	2029	73,185,037	224.6
Parcel 2 (Phase 8)	2031	73,185,037	224.6
Project Demand		622.589,078	1,910.6
Historical Usage for Project Site		101,449,390	311.3
Total Demand (increase per year)		**521,139,690**	**1,599.3**

Table 6d (Scheme B)
Estimated Water Demand by Parcel

	Earliest Completion	Gal/yr	Acre-ft/yr
Parcel 5 (Phase1)	2019	75,934,126	233.0
Parcel 4 (Phases 2,3,4)	2020	260,758,300	800.2
Parcel 3 (Phase 5)	2025	62,867,819	192.9
Parcel 1 (Phase 6)	2027	84,703,360	259.9
Parcel 2 (Phase 7)	2029	70,849,037	217.4
Parcel 2 (Phase 8)	2031	70,849,037	217.4
Project Demand		625,961,678	1,921.0
Historical Usage for Project Site		101,449,390	311.3
Total Demand (increase per year)		**524,512,291**	**1,609.7**

PROJECTED WATER DEMAND FOR OTHER PROPOSED PROJECTS

The projected water demand for other development projects that were not specifically considered in the development of the 2010 UWMP were analyzed in conjunction with this Assessment. The complete listing of projects and their associated water demands are contained in Appendix E. Tables 7 and 8 show a summary of the projected water demand changes by user category. If the timeframe for a project to be built spans several years, the earliest possible date was used to calculate the changes in Tables 7 and 8. The use categories of single-family dwelling ("SFD"), multi-family dwelling ("MFD"), commercial, industrial, institutional, and municipal match the use categories used in the development of the 2010 UWMP. The values in Tables 7 and 8 below summarize the projected changes in water demand for each user category and the planning period in which the change is expected to occur. If a proposed project resulted in a change of use, such as a commercial building being converted to single-family residential housing, the existing water demand was subtracted from the corresponding category and the new water demand was added to the category for the new use. Therefore, in the example cited earlier, the historic water demand for the commercial building would be subtracted from the commercial category and the new demand for the proposed single-family dwellings would be added to the SFD column.

Table 7
Changes in water demand for proposed projects excluding City Place (Acre-ft/yr)*

Year	SFD	MFD	Commercial	Industrial	Institutional	Municipal	Total
2010 - 2014	0.0	0.0	752.5*	0.0	0.0	0.0	752.5*
2015 - 2019	158.0	159.6	388.4	0.0	0.0	0.0	706.0
2020 - 2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025 - 2029	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2030 - 2034	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* Updated water demand to reflect the replacement of the original 3333 Scott Blvd. Water Supply Assessment's water demand of 384.4 acre-ft/yr. (Resolution #12-7933). This updated water demand takes into account the historical usage of 9.5 acre-ft/year.

Table 8a and 8b below contains the calculated changes in water demand from all the proposed projects listed in Appendix E, including the projected water demand from the City Place project for both scheme A and B respectively. The analysis performed was identical to the analysis for Table 7 above. The total historical use for this project is incorporated into the 2015-2019 water demand because it is

during this initial phase that golf course operations and other predevelopment water demands throughout the project site will cease. This results in a 309.5 acre-ft/yr reduction in municipal water demands in the 2015-2019 timeframe. Also, although the increase in multiple-family and commercial demands exceeds the amounts in Table 3, the City is still within the water demand projections for all category uses in each five year period.

Table 8a (Scheme A)
Changes in water demand for proposed projects including City Place (Acre-ft/yr)*

Year	SFD	MFD	Commercial	Industrial	Institutional	Municipal	Total
2010 - 2014	0.0	0.0	752.5*	0.0	0.0	0.0	752.5*
2015 - 2019	158.0	186.7	592.4	0.0	0.0	-309.5	627.6
2020 - 2024	0.0	157.2	618.3	0.0	0.0	0.0	775.6
2025 - 2029	0.0	0.0	677.5	0.0	0.0	0.0	677.5
2030 - 2034	0.0	0.0	224.6	0.0	0.0	0.0	224.6

* Updated water demand to reflect the replacement of the original 3333 Scott Blvd. Water Supply Assessment's water demand of 384.4 acre-ft/yr. (Resolution #12-7933). This updated water demand takes into account the historical usage of 9.5 acre-ft/year.

Table 8b (Scheme B)
Changes in water demand for proposed projects including City Place (Acre-ft/yr)*

Year	SFD	MFD	Commercial	Industrial	Institutional	Municipal	Total
2010 - 2014	0.0	0.0	752.5*	0.0	0.0	0.0	752.5*
2015 - 2019	158.0	186.7	592.4	0.0	0.0	-309.5	627.6
2020 - 2024	0.0	0.0	800.2	0.0	0.0	0.0	800.2
2025 - 2029	0.0	0.0	670.3	0.0	0.0	0.0	670.3
2030 - 2034	0.0	0.0	217.4	0.0	0.0	0.0	217.4

* Updated water demand to reflect the replacement of the original 3333 Scott Blvd. Water Supply Assessment's water demand of 384.4 acre-ft/yr. (Resolution #12-7933). This updated water demand takes into account the historical usage of 9.5 acre-ft/year.

Water demands for some user categories are higher than was projected by the End Use Model, however, these are offset by other categories of users that have water demands that were lower than projected. The current overall system demand is significantly lower than was projected by the 2010 UWMP. Table 9 shows the projected demands from the 2010 UWMP. Table 10 shows the actual potable water demand for calendar years 2005 through 2014. The recycled water demand for calendar year 2013 was 3,126 acre ft. The 2010 UWMP demonstrated that adequate water supplies exist to meet the demands noted in Table 9 during a normal water year. Overall, the water demands are less than projected by the End Use Model. Therefore, the increase in water demand from the proposed development falls within the total projected water demand increases described in the 2010 UWMP.

Table 9
2010 UWMP Demand Projections by Category

Year	SFD	MFD	Commercial	Industrial	Institutional	Municipal	System Loss	Total
2015	8,603	5,868	4,879	5,150	950	723	1,086	27,259
2020	9,084	6,019	5,238	5,519	998	759	1,136	28,753
2025	9,444	6,115	5,633	5,909	1,035	788	1,181	30,105
2030	9,825	6,237	6,067	6,324	1,072	816	1,230	31,571
2035	10,306	6,455	6,158	6,776	1,113	847	1,278	32,933

Table 10
Actual Potable Water Sales (Acre Ft-yr)

Year	SFD	MFD	Commercial	Industrial	Institutional	Municipal	System Loss	Total
2005	6,346	5,013	6,963	4,972	903	1,207	996	26,400
2006	6,312	5,044	6,924	5,111	902	1,200	1,222	26,715
2007	6,535	5,288	7,310	5,022	1,025	1,396	707	27,283
2008	6,425	5,166	7,012	4,720	955	1,267	718	26,263
2009	5,914	4,771	5,668	3,246	686	536	888	21,709
2010	5,506	4,626	5,517	2,932	668	472	1,085	20,806
2011	5,516	4,658	5,622	2,603	617	482	1,188	20,687
2012	5,843	4,754	5,896	2,460	671	522	1,047	21,193
2013	5,976	4,836	5,886	2,408	709	473	1,387	21,675
2014	5,195	4,483	5,742	2,134	671	491	1,805	19,800

COMPARISON OF WATER DEMAND AND WATER SUPPLY

SINGLE DRY YEAR

The 2010 UWMP projects that during a single dry year, the City projects no reduction in supplies from groundwater. Per a SCVWD document dated March 16, 2011[19], treated surface water is not expected to be reduced in a single dry year event until 2030, when it could be reduced anywhere from 0-20%. For planning purposes, all projections assume a worst case scenario in which the 2017 increase in SCVWD treated water will not be available along with a 20% reduction in the remaining SCVWD treated water. SFPUC has indicated that during a single critical dry year, SFPUC will reduce their total water supply by 10% from 184 mgd to 152.6 mgd in a single dry year. The City of Santa Clara will receive 1.17% of the 152.6 mgd.[20] Recycled water use and water conservation are projected to remain unchanged or potentially increase due to public awareness, during a critical dry year. The resulting analysis of available supplies is shown in Tables 11a and 11b below. During a single critical dry year, there is no projected shortfall in total available water supplies if the City receives Hetch Hetchy water until 2035. If the City does not receive Hetch Hetchy water, after contract negotiations with SFPUC in 2018, there is a projected water supply shortfall after 2030. However, future water supply projects are expected to provide between 5,000-6,000 acre-feet per year.[21] This additional supply will help to cover any expected shortage until 2030 in a single dry year drought if the City loses the current SFPUC contracted Hetch Hetchy water.

Table 11a
Projected Supply versus Demand Comparison – Single Dry Year (Acre-ft/yr)

Year	2015	2020	2025	2030	2035
Supply Totals	34,313	34,714	34,993	34,135	34,135
Demand Totals	31,259	33,053	34,605	36,071	37,433
Difference as % of Supply	8.9%	4.8%	1.1%	-5.7%	-9.7%
Difference as % of Demand	9.8%	5.0%	1.1%	-5.4%	-8.8%

[19] City of Santa Clara 2010 Urban Water Management Plan, Appendix H
[20] City of Santa Clara 2010 Urban Water Management Plan, Appendix I
[21] City of Santa Clara 2010 Urban Water Management Plan, page 46

Table 11b

Projected Supply versus Demand Comparison – Single Dry Year Without SFPUC Supply (Acre-ft/yr)

Year	2015	2020	2025	2030	2035
Supply Totals	34,313	32,713	32,992	29,392	29,392
Demand Totals	31,259	33,053	34,605	36,071	37,433
Difference as % of Supply	8.9%	-1.0%	-4.9%	-22.7%	-27.4%
Difference as % of Demand	9.8%	-1.0%	-4.7%	-18.5%	-21.5%

MULTIPLE DRY YEAR

During a multiple dry year event, the City will shift potable water demands between its sources in cooperation with neighboring water retailers and wholesalers to reduce pressure on regional sources in decline. Per a SCVWD document dated March 16, 2011[22], treated surface water was not expected to be reduced in a multiple dry year event until 2025, when it could be reduced anywhere from 0-20%. However, in 2014 the SCVWD did call for a 20% reduction in treated surface water in the third year of a multi-year drought. For planning purposes, all projections assume a worst case scenario in which the 2017 increase in SCVWD treated water will not be available along with a 20% reduction in the remaining SCVWD treated water. SFPUC has indicated that during multiple critical dry years the City can expect a maximum reduction of SFPUC water supplies of 43% of normal.[23] SFPUC has indicated that in the second and third year of a drought, they will reduce their water supply by 20% from 184 mgd to 132.5 mgd. For SFPUC supplies, Table 12a assumes a worst-case scenario based on a replication of the 1987-1992 multiple dry year event. The City of Santa Clara will still receive 1.17% of 132.5 mgd.[24] Table 11b assumes that SFPUC water is unavailable after 2018.

Recycled water use is projected to remain unchanged during a multiple dry year event, however recent drought conditions have shown a significant increase in recycled water connection requests. The City also assumes no change in water conservation when projecting demands for multiple dry year events for conservative projecting purposes. The resulting analysis of all available supplies is shown in Table 12a and 12b below. During a multiple critical dry year event, there is a projected shortfall in available water supplies independent of whether the City receives or does not receive Hetch Hetchy water after contract negotiations with SFPUC in 2018. However, future water supply projects are expected to provide between 5,000-6,000 acre-feet per year.[25] This additional supply will help to cover any expected shortage until 2030 in the third year of a multi-year drought if the City loses the current SFPUC contracted Hetch Hetchy water.

[22] City of Santa Clara 2010 Urban Water Management Plan, Appendix H

[23] City of Santa Clara 2010 Urban Water Management Plan, Appendix I

[24] City of Santa Clara 2010 Urban Water Management Plan, Appendix L

[25] City of Santa Clara 2010 Urban Water Management Plan, page 46

Table 12a

Supply and Demand Comparison – Multiple Dry-Year Events (assumes SFPUC supply exists beyond 2018)

		2015	2020	2025	2030	2035
Multiple-dry year *first* year supply	Supply totals	37,352	37,753	38,032	35,088	35,088
	Demand totals	31,259	33,053	34,605	36,071	37,433
	Difference	6,093	4,700	3,427	(983)	(2,345)
	Difference as % of Supply	16.3%	12.4%	9.0%	-2.8%	-6.7%
	Difference as % of Demand	19.5%	14.2%	9.9%	-2.7%	-6.3%
Multiple-dry year *second* year supply	Supply totals	37,352	37,753	38,032	35,088	35,088
	Demand totals	32,726	34,734	36,371	37,949	37,949
	Difference	4,626	3,019	1,661	(2,861)	(2,861)
	Difference as % of Supply	12.4%	8.0%	4.4%	-8.2%	-8.2%
	Difference as % of Demand	14.1%	8.7%	4.6%	-7.5%	-7.5%
Multiple-dry year *third* year supply	Supply totals	37,352	37,753	38,032	35,088	35,088
	Demand totals	33,163	35,064	36,674	38,210	38,210
	Difference	4,189	2,689	1,358	(3,122)	(3,122)
	Difference as % of Supply	11.2%	7.1%	3.6%	-8.9%	-8.9%
	Difference as % of Demand	12.6%	7.7%	3.7%	-8.2%	-8.2%

Table 12b

Supply and Demand Comparison – Multiple Dry-Year Events(assumes SFPUC supply does not exist beyond 2018)

		2015	2020	2025	2030	2035
Multiple-dry year *first* year supply	Supply totals	37,352	32,713	32,992	33,048	33,048
	Demand totals	31,259	33,053	34,605	36,071	37,433
	Difference	6,093	(340)	(1,613)	(3,023)	(4,385)
	Difference as % of Supply	16.3%	-1.0%	-4.9%	-9.1%	-13.3%
	Difference as % of Demand	19.5%	-1.0%	-4.7%	-8.4%	-11.7%
Multiple-dry year *second* year supply	Supply totals	37,352	32,713	32,992	33,048	33,048
	Demand totals	32,726	34,734	36,371	37,949	37,949
	Difference	4,626	(2,021)	(3,379)	(4,901)	(4,901)
	Difference as % of Supply	12.4%	-6.2%	-10.2%	-14.8%	-14.8%
	Difference as % of Demand	14.1%	-5.8%	-9.3%	-12.9%	-12.9%
Multiple-dry year *third* year supply	Supply totals	37,352	32,713	32,992	33,048	33,048
	Demand totals	33,163	35,064	36,674	38,210	38,210
	Difference	4,189	(2,351)	(3,682)	(5,162)	(5,162)
	Difference as % of Supply	11.2%	-7.2%	-11.2%	-15.6%	-15.6%
	Difference as % of Demand	12.6%	-6.7%	-10.0%	-13.5%	-13.5%

Even in this worst case scenario, the projected shortfall in available water supply is minimal and well within the margin of error related to the projections and is therefore negligible. The tables above assume no increase in conservation or recycled water use, and also include conservatively overstated future water demands from the 2005 UWMP end use model. The City's actual water use has remained below the levels indicated in the 2010 UWMP using the same methodology.

The projections also assume that conservation savings assumed for normal years will not change during drier hydrological periods. The 2010 UWMP explains the City's legal authority to implement additional voluntary and mandatory conservation measures (e.g., drought curtailment of outdoor irrigation activities) that would significantly reduce water use during a single dry year, multiple dry years or in response to other supply shortfalls. The 2010 UWMP notes, for example, that the projections "…yield a conservative estimate since during a critical multiple dry year event, mandatory conservation measures and increased recycled water usage would be expected to reduce potable water demand"[26]. The 2010 UWMP identifies specific, mandatory water use prohibitions and enforcement mechanisms that the City will implement to reduce water demand as necessary to address water supply limitations in the future.

[26] City of Santa Clara 2010 Urban Water Management Plan, page 84

Table 13
Water Saving Procedures to be Undertaken by the City During Dry Year and Major Supply Interruptions

Plan	**Plan 1**	**Plan 2**	**Plan 3**	**Plan 4**
Drought Stage	**Advisory**	**Voluntary**	**Mandatory**	**Emergency Curtailment**
Reduction	**Up to 10%**	**10% to 20%**	**21 to 49%**	**50% or greater**
1. Water Use Reduction Target				
a) Single family	NA	80% -90% of base year	50% -80% of base year	50% of base year
b) Master metered multi- family	NA	80% -90%of base year	50% -80% of base year	50% of base year
c) Non-residential	NA	80% -90%of base year	50% -80% of base year	50% of base year
2. Water Use Restrictions				
a) Water waste by irrigation	Prohibited	Prohibited	Prohibited	Prohibited
b) Cleaning sidewalks, hard surfaces, etc.	Prohibited	Prohibited	Prohibited	Prohibited
c) Washing vehicle w/o shut off valve on hose	Prohibited	Prohibited	Prohibited	Prohibited
d) Decorative fountains, operating maintaining	No restriction	Prohibited	Prohibited	Prohibited
e) Water for construction purposes	No restriction	Restricted (1)	Restricted (1)	Restricted (1)
f) Water waste due to effective plumbing / leaks	Prohibited	Prohibited	Prohibited	Prohibited
g) Landscape irrigation	No restriction	Prohibited from 9AM to 6PM	Prohibited from 9AM to 6PM	Prohibited
h) Restaurant water service unless patron requests	No restriction	Prohibited	Prohibited	Prohibited
i) New swimming pool or pond construction	No restriction	Restricted	Restricted	Prohibited
j) Filling or refilling swimming pools	No restriction	Restricted	Restricted	Prohibited
k) Hydrant flushing, except for health and safety	No restriction	Prohibited	Prohibited	Prohibited
l) New irrigation connections for new planting	No restriction	Restricted (2)	Restricted (2)	Prohibited (2)
m) Irrigation of golf courses except greens and tees	No restriction	No restriction	Restricted (1)	Restricted (1)
3. Enforcement				
a) First violation	Warning	Warning	Warning, Citation, up to $500 fine	Warning, Citation, up to $500 fine
b) Second violation	Warning	Warning	Warning, Citation, $100 to $1,000 fine	Warning, Citation, $100 to $1,000 fine
c) Subsequent violations	Warning, citation, $100 to $1,000 fine, flow restrictor	Warning, citation, $100 to $1,000 fine, flow restrictor	Warning, citation, $100 to $1,000 fine, flow restrictor, termination of service	Warning, citation, $100 to $1,000 fine, flow restrictor, termination of service
d) Restrictor removal charge	$50	$50	$50	$50
e) Second restrictor removal charge	$100	$100	$100	Remains for duration
(1) Recycled water only can be used; (2) New landscaping supplied by recycled water allowed without restriction.				

Source: 2010 UWMP, page 72, Table 37.

Table 13 shows that the City can feasibly implement and enforce mandatory water use reduction measures that would reduce water demand by more than 50% from normal levels. The largest potential shortfall projected in the 2010 UWMP is approximately 21.5% of demand in a single dry year, without SFPUC supplies, in 2035 (see Table 11b). As shown in Table 13, the City anticipates that demand could be reduced by 20%, the approximate magnitude of the maximum projected shortfall in the 2010 UWMP, by implementing the advisory and voluntary measures included in water use management plans 1-2. If necessary, Table 10 also shows that the City has the capacity to mandate additional demand reductions of 21%-49% under plan 3, and greater than 50% by implementing the measures included in water use management plan 4. These reduction levels would substantially exceed the maximum projected shortfalls in the 2010 UWMP. The 2010 UWMP projections, however, conservatively assume that none of the demand management measures identified in Table 13 would be implemented during potential shortfall periods. As a result, the projections conservatively overstate the level of City water demand that would be expected to occur during dry years, multiple dry years or other periods of reduced water supply when these measures would be in effect.

The 2010 UWMP identifies several additional conservation programs that the City is implementing or expects to implement in the future. Although the 2010 UWMP reflects conservation savings from some of these measures (see Table 1a, 1b), the projections do not fully account for additional demand reductions, especially during drier periods. The conservation measures identified in the 2010 UWMP include the following:

(a) General Plan policies that focus on producing a reliable, safe potable water supply, promote water conservation, expand recycled water use, and facilitate water supply coordination with the SCVWD[27];

(b) City water supply management measures that increase reliability and reduce potential vulnerability to physical impacts, such as locating wells over a geographically distributed area and maintaining standby power supplies to operate water system facilities during emergencies[28];

(c) The adoption of City ordinances prohibiting wasteful water use[29];

(d) Authority to implement and enforce an outdoor watering schedule that would reduce the frequency and volume of external water use during drier periods[30];

(e) Tracking water consumption for City accounts in a manner that allows for email or other expedited communication regarding water use reduction requirements if necessary to address shortfalls[31];

(f) Providing technical assistance (e.g., water audits) to help reduce water use by high consumption accounts[32];

(g) Providing low-water use landscaping assistance for single family water consumers and for larger landscapes[33];

(h) Offering rebates with the SCVWD for high efficiency clothes washers[34];

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[27] City of Santa Clara 2010 Urban Water Management Plan, pages 64-65 Table 36
[28] City of Santa Clara 2010 Urban Water Management Plan, pages 65-70
[29] City of Santa Clara 2010 Urban Water Management Plan, pages 65-71
[30] City of Santa Clara 2010 Urban Water Management Plan, page 71
[31] City of Santa Clara 2010 Urban Water Management Plan, page 78
[32] City of Santa Clara 2010 Urban Water Management Plan, page 87
[33] City of Santa Clara 2010 Urban Water Management Plan, pages 88, 90-91

(i) Commercial and industrial water conservation technical assistance, including audits, pre-rinse retrofits for food service businesses, and water efficiency rebates[35];

(j) Conservation and recycled water use incentive pricing[36];

(k) A high efficiency toilet retrofit rebate program administered by the SCVWD[37]; and

(l) Adoption of a landscaping water conservation ordinance in January, 2011 to reduce water use associated with external irrigation[38].

The 2010 UWMP demand projections do not consider the effects of the City's demand management authority and conservation programs beyond normal year conservation estimates. As a result, the projections overstate the City's demand in general and particularly during drier years when the City would act to reduce demand in response to potential supply shortfalls.[39]

CONCLUSION

The proposed construction under Scheme A of 5,724,400 gsf of office space, 1,502,000 gsf of retail space, 578,000 gsf of hotel development, 1,360 multifamily residential units, and 4,521,500 gsf of landscaping generally located north of Tasman Drive, east of Great America Parkway and San Tomas Aquino Creek, west of the Guadalupe River, and south of Great America Way and State Route 237 is projected to require 1,910.6 acre ft/yr of total water use. This represents an increase in total water demand within the City by 1,599.3 acre ft/yr from historical use on the Project site. The analysis shows that a 1,599.3 acre ft/yr water demand increase from this Project Scheme A is consistent with the growth projections in the 2010 UWMP.

The proposed construction under Scheme B of 6,684,400 gsf of office space, 1,702,000 gsf of retail space, 578,000 gsf of hotel development, 200 multifamily residential units, and 4,521,500 nsf of landscaping generally located north of Tasman Drive, east of Great America Parkway and San Tomas Aquino Creek, west of the Guadalupe River, and south of Great America Way and State Route 237 is projected to require 1,921.0 acre ft/yr of total water use. This represents an increase in total water demand within the City by 1,609.7 acre ft/yr from historical use on the Project site. The analysis shows that a 1,609.7 acre ft/yr water demand increase from this Project Scheme B is consistent with the growth projections in the 2010 UWMP.

The City's 2010 UWMP concluded that sufficient water supplies exist to meet the projected demand for either Scheme A or Scheme B. This Assessment also analyzed the impacts of changes in contractual limitations on water supply, development projects, and other additional factors that have occurred since the original 2010 UWMP was developed. Therefore, based on the analysis contained in this Assessment, the City of Santa Clara Water Utility has determined that there are sufficient water supplies to provide service to the proposed City Place project.

[34] City of Santa Clara 2010 Urban Water Management Plan, pages 91-92
[35] City of Santa Clara 2010 Urban Water Management Plan, pages 92-94
[36] City of Santa Clara 2010 Urban Water Management Plan, page 94-96
[37] City of Santa Clara 2010 Urban Water Management Plan, pages 97-98
[38] City of Santa Clara 2010 Urban Water Management Plan, Appendix M
[39] 3515 Monroe Street WSA approved by City Council Resolution #13-8090 on December 3, 2013, Appendix E

APPENDIX A

SCVWD Contract

APPENDIX B

SFPUC Contract

APPENDIX C

South Bay Water Recycling Contract

The proposed Project Scheme A water demand and impacts were calculated using the following data:

1) 5,724,400 square feet of office space at 0.140 gpd/square foot = 801,416.0 gpd
   = 292,516,840 gpy = 897.7 acre ft/yr
2) 1,502,000 square feet of retail space at 0.076 gpd/square foot = 114,152.0 gpd
   = 41,665,480 gpy = 127.9 acre ft/yr [a]
3) 578,000 square feet of hotel space at 0.48 gpd/square foot = 277,440.0 gpd
   = 101,265,600 gpy = 310.8 acre ft/yr
4) 4,521,500 square feet of irrigation at 0.077 gpd/square foot = 348,155.5 gpd
   = 127,076,750 gpy = 390.0 acre ft/yr [b]
5) 1,360 multifamily residential units at 121 gpd/unit = 164,560.0 gpd
   = 60,064,400 gpy = 184.3 acre ft/yr
6) Total = 622,589,078 gpy =1,910.6 acre ft/yr
7) Average Historical Use: 2005-2010 = 311.3 acre ft/yr
8) Increase Water Demand for Project =
   Total Projected Demand (1,910.6 acre ft/yr) - Historical Use (311.3 acre ft/yr) = 1,599.3 acre ft/yr

The proposed Project Scheme B water demand and impacts were calculated using the following data:

1) 6,684,400 square feet of office space at 0.140 gpd/square foot = 935,816.0 gpd
   = 341,572,840 gpy = 1,048.2acre ft/yr
2) 1,702,000 square feet of retail space at 0.076 gpd/square foot = 129,352.0 gpd
   = 47,213,480 gpy = 144.9 acre ft/yr [a]
3) 578,000 square feet of hotel space at 0.48 gpd/square foot = 277,440.0 gpd
   = 101,265,600 gpy = 310.8 acre ft/yr
4) 4,521,500 square feet of irrigation at 0.077 gpd/square foot = 348,155.5 gpd
   = 127,076,750 gpy = 390.0 acre ft/yr [b]
5) 200 multifamily residential units at 121 gpd/unit = 24,200.0 gpd
   = 8,833,000 gpy = 27.1 acre ft/yr
6) Total = 625,961,680 gpy =1,921.0 acre ft/yr
7) Average Historical Use: 2005-2010 = 311.3 acre ft/yr
8) Increase Water Demand for Project =
   Total Projected Demand (1,921.0 acre ft/yr) - Historical Use (311.3 acre ft/yr) = 1,609.7 acre ft/yr

[a] 0.076 gallons/sf/day is the estimate that is based on information from BKF Engineers and is consistent with the City's existing factor for retail space.
[b] 0.077 gallons/sf/day is the estimate that is based on information from Department of Water Resources – Water Budget Workbook – Calculation of Maximum Applied Water Allowance (MAWA) based on Model Water Efficiency Landscape Ordinance

Project – Scheme A

Project	Address	Number	Units	Use	Water Demand Rate unit/day	Water Demand gallons/year	Water Demand (acre feet/year)	Existing Demand (acre feet/year)	Demand Delta (acre feet/year)	Recycled water available	Anticipated year built	Calendar year soonest	Calendar year latest
3000 Bowers Avenue*	3000 Bowers Avenue	300,000	sq. ft.	Office	54,000.00 gal/day	19,710,000.00	60.5	0.7	143.99	No	1-3 years	2013	2015
		92,925	sq. ft.	Irrigation	75,176.30 gal/day	27,439,358.60	84.2						
2200 Lawson Lane*	2200 Lawson Lane	300,000	sq. ft.	Office	54,000.00 gal/day	19,710,000.00	60.5	5.8	141.09	No	1-3 years	2014	2016
		95,300	sq. ft.	Irrigation	77,097.70 gal/day	28,140,660.50	86.4						
4301, 4401, 4551 Great America Pkwy	4301, 4401, 4551 Great America Pkwy	718,000	sq. ft.	Office	129,240.0 gal/day	47,172,600.00	144.8	1.9	350.6	Yes	1-5 years	2014	2016
		229,239	sq. ft.	Irrigation	185,454.40 gal/day	67,690,838.10	207.7						
3700 El Camino Real	3700 El Camino Real	475	Dwelling units	Residential	142,500.0 gal/day	52,012,500.00	159.6	1.2	286.3	No	2 years	2016	2019
		86,388	sq. ft.	Retail	6,565.5 gal/day	2,396,403.10	7.4						
		133,000	sq. ft.	Irrigation	107,597.0 gal/day	39,272,905.00	120.5						
3333 Scott Blvd.	3333 Scott Blvd.	1,358,647	sq. ft.	Office	190,211 gal/day	69,427,015	213.1	9.5	240.1	Yes	1-3 years	2015	2017
		284,000	sq. ft.	Irrigation	24,140 gal/day	8,811,100	27						

Project	Address	Number	Units	Use	Water Demand Rate unit/day	Water Demand gallons/year	Water Demand (acre feet/year)	Existing Demand (acre feet/year)	Demand Delta (acre feet/year)	Recycled water available	Anticipated year built	Calendar year soonest	Calendar year latest
3515 Monroe St.	3515 Monroe St.	825	Dwelling units	Residential	141,075.0 gal/day	51,492,375.00	158	6.1	179.6	No	1-2 years	2015	2017
		14,929	sq. ft.	Amenity Space	1134.6 gal/day	414,130.50	1.3						
		15,200	sq. ft.	Retail	1,155.20 gal/day	421,648.00	1.3						
		20,000	sq. ft.	Market	4,800.00 gal/day	1,752,000.00	5.4						
		5,000	sq. ft.	Restaurant	5,200.00 gal/day	1,898,000.00	5.8						
		161,483	sq. ft.	Irrigation	12,434.20 gal/day	4,538,479.70	13.9						
Santa Clara Square	2465-2727 Augustine 3333 Bowers	138,000	sq. ft.	Retail	10,488.00 gal/day	3,828,120.00	11.7	46.8	314.1	Yes	1-2 years	2014	2015
		1,862,100	sq. ft.	Office	260,694.00 gal/day	95,153,310.00	292						
		503,900	sq. ft.	Irrigation (Recycled)	38,800.30 gal/day	14,162,109.50	43.5						
		158,000	sq. ft.	Irrigation (Potable)	12,166.00 gal/day	4,440,590.00	13.6						
City Place Parcel 5 (Phase 1)	TBD	258,000	sq. ft.	Office	36,120 gal/day	13,183,800.00	40.5	311.3	(78.3)	Yes	3 years	2019	2019
		87,000	sq. ft.	Retail	6,612 gal/day	2,413,380.00	7.4						
		280,000	sq. ft.	Hotel	134,400 gal/day	49,056,000.00	150.5						
		87,100	sq. ft.	Irrigation	87,100 gal/day	2,447,945.50	7.5						
		200	Dwelling units	Residential	24,200 gal/day	8,833,000.00	27.1						

Project	Address	Number	Units	Use	Water Demand Rate unit/day	Water Demand gallons/year	Water Demand (acre feet/year)	Existing Demand (acre feet/year)	Demand Delta (acre feet/year)	Recycled water available	Anticipated year built	Calendar year soonest	Calendar year latest
City Place Parcel 4 (Phases 2-4)	TBD	1,386,400	sq. ft.	Office	194,096.0 gal/day	70,845,040.0	217.4	0**	775.6	Yes	3-6 years	2020	2023
		1,415,000	sq. ft.	Retail	107,540.0 gal/day	39,252,100.0	120.5						
		298,000	sq. ft.	Hotel	143,040.0 gal/day	52,209,600.0	160.2						
		1,393,900	sq. ft.	Irrigaion	107,330.3 gal/day	51,231,400.0	120.2						
		1,160	Dwelling units	Residential	140,360.0 gal/day	51,231,400.0	157.2						
City Place Parcel 3 (Phase 5)	TBD	720,000	sq. ft.	Office	100,800.0 gal/day	36,792,000.0	112.9	0**	192.9	Yes	3 years	2025	2025
		927,800	sq. ft.	Irrigation	71,440.6 gal/day	26,075,819.0	80.0						
City Place Parcel 1 (Phase 6)	TBD	1,200,000	sq. ft.	Office	168,000.0 gal/day	61,320,000.0	11.7	0**	259.9	Yes	3 years	2027	2027
		832,000	sq. ft.	Irrigation	64,064.0 gal/day	23,383,360.0	71.8						
City Place Parcel 2 (Phase 7)	TBD	1,080,000	sq. ft.	Office	151,200.0 gal/day	55,188,000.0	169.4	0**	224.6	Yes	3 years	2029	2029
		640,350	sq. ft.	Irrigation	49,306.95 gal/day	17,997,036.75	55.2						
City Place Parcel 2 (Phase 8)	TBD	1,080,000	sq. ft.	Office	151,200.0 gal/day	55,188,000.0	169.4	0**	224.6	Yes	3 years	2031	2031
		640,350	sq. ft.	Irrigation	49,306.95 gal/day	17,997,036.75	55.2						

* Water demand for the table has been updated for office space per average daily flow of 0.140 gpd/sf versus the estimated peak water demand at 95% (0.482 mgd)
** Existing demand accounted for in Phase 1 of City Place project

Project – Scheme B

Project	Address	Number	Units	Use	Water Demand Rate unit/day	Water Demand gallons/year	Water Demand (acre feet/year)	Existing Demand (acre feet/year)	Demand Delta (acre feet/year)	Recycled water available	Anticipated year built	Calendar year soonest	Calendar year latest
3000 Bowers Avenue*	3000 Bowers Avenue	300,000	sq. ft.	Office	54,000.00 gal/day	19,710,000.00	60.5	0.7	143.99	No	1-3 years	2013	2015
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2200 Lawson Lane*	2200 Lawson Lane	300,000	sq. ft.	Office	54,000.00 gal/day	19,710,000.00	60.5	5.8	141.09	No	1-3 years	2014	2016
		95,300	sq. ft.	Irrigation	77,097.70 gal/day	28,140,660.50	86.4						
4301, 4401, 4551 Great America Pkwy	4301, 4401, 4551 Great America Pkwy	718,000	sq. ft.	Office	129,240.0 gal/day	47,172,600.00	144.8	1.9	350.6	Yes	1-5 years	2014	2016
		229,239	sq. ft.	Irrigation	185,454.40 gal/day	67,690,838.10	207.7						
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		86,388	sq. ft.	Retail	6,565.5 gal/day	2,396,403.10	7.4						
		133,000	sq. ft.	Irrigation	107,597.0 gal/day	39,272,905.00	120.5						
3333 Scott Blvd.	3333 Scott Blvd.	1,358,647	sq. ft.	Office	190,211 gal/day	69,427,015	213.1	9.5	240.1	Yes	1-3 years	2015	2017
		284,000	sq. ft.	Irrigation	24,140 gal/day	8,811,100	27						

Project	Address	Number	Units	Use	Water Demand Rate unit/day	Water Demand gallons/year	Water Demand (acre feet/year)	Existing Demand (acre feet/year)	Demand Delta (acre feet/year)	Recycled water available	Anticipated year built	Calendar year soonest	Calendar year latest
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		14,929	sq. ft.	Amenity Space	1134.6 gal/day	414,130.50	1.3						
		15,200	sq. ft.	Retail	1,155.20 gal/day	421,648.00	1.3						
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		5,000	sq. ft.	Restaurant	5,200.00 gal/day	1,898,000.00	5.8						
		161,483	sq. ft.	Irrigation	12,434.20 gal/day	4,538,479.70	13.9						
Santa Clara Square	2465-2727 Augustine 3333 Bowers	138,000	sq. ft.	Retail	10,488.00 gal/day	3,828,120.00	11.7	46.8	314.1	Yes	1-2 years	2014	2015
		1,862,100	sq. ft.	Office	260,694.00 gal/day	95,153,310.00	292						
		503,900	sq. ft.	Irrigation (Recycled)	38,800.30 gal/day	14,162,109.50	43.5						
		158,000	sq. ft.	Irrigation (Potable)	12,166.00 gal/day	4,440,590.00	13.6						
City Place Parcel 5 (Phase 1)	TBD	258,000	sq. ft.	Office	36,120 gal/day	13,183,800.00	40.5	311.3	(78.3)	Yes	3 years	2019	2019
		87,000	sq. ft.	Retail	6,612 gal/day	2,413,380.00	7.4						
		280,000	sq. ft.	Hotel	134,400 gal/day	49,056,000.00	150.5						
		87,100	sq. ft.	Irrigation	87,100 gal/day	2,447,945.50	7.5						
		200	Dwelling units	Residential	24,200 gal/day	8,833,000.00	27.1						

Project	Address	Number	Units	Use	Water Demand Rate unit/day	Water Demand gallons/year	Water Demand (acre feet/year)	Existing Demand (acre feet/year)	Demand Delta (acre feet/year)	Recycled water available	Anticipated year built	Calendar year soonest	Calendar year latest
City Place Parcel 4 (Phases 2-4)	TBD	2,546,400	sq. ft.	Office	356,496.0 gal/day	130,121,040.0	399.3	0**	800.2	Yes	3-6 years	2020	2023
		1,415,000	sq. ft.	Retail	107,540.0 gal/day	39,252,100.0	120.5						
		298,000	sq. ft.	Hotel	143,040.0 gal/day	52,209,600.0	160.2						
		1,393,900	sq. ft.	Irrigaion	107,330.3 gal/day	51,231,400.0	120.2						
City Place Parcel 3 (Phase 5)	TBD	720,000	sq. ft.	Office	100,800.0 gal/day	36,792,000.0	112.9	0**	192.9	Yes	3 years	2025	2025
		927,800	sq. ft.	Irrigation	71,440.6 gal/day	26,075,819.0	80.0						
City Place Parcel 1 (Phase 6)	TBD	1,200,000	sq. ft.	Office	168,000.0 gal/day	61,320,000.0	11.7	0**	259.9	Yes	3 years	2027	2027
		832,000	sq. ft.	Irrigation	64,064.0 gal/day	23,383,360.0	71.8						
City Place Parcel 2 (Phase 7)	TBD	980,000	sq. ft.	Office	137,200.0 gal/day	50,078,000.0	153.7	0**	217.4	Yes	3 years	2029	2029
		100,000	sq. ft.	Retail	7,600.0 gal/day	2,774,000.0	8.5						
		640,350	sq. ft.	Irrigation	49,306.95 gal/day	17,997,036.75	55.2						
City Place Parcel 2 (Phase 8)	TBD	980,000	sq. ft.	Office	137,200.0 gal/day	50,078,000.0	153.7	0**	217.4	Yes	3 years	2031	2031
		100,000	sq. ft.	Retail	7,600.0 gal/day	2,774,000.0	8.5						
		640,350	sq. ft.	Irrigation	49,306.95 gal/day	17,997,036.75	55.2						

* Water demand for the table has been updated for office space per average daily flow of 0.140 gpd/sf versus the estimated peak water demand at 95% (0.482 mgd)
** Existing demand accounted for in Phase 1 of City Place project

Appendix 4

Urban Decay Analysis

bae urban economics

URBAN DECAY ANALYSIS
FOR THE
CITY PLACE SANTA CLARA PROJECT
IN CITY OF SANTA CLARA, CA

Prepared for:
ICF International

Prepared by:
BAE Urban Economics

January 2015
Revised June 2015

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SUMMARY OF FINDINGS

Background and Study Purpose

The City of Santa Clara (the "City") is currently completing an Environmental Impact Report ("EIR") for the City Place Santa Clara Project (the "Proposed Project"), a proposed development on seven city-owned parcels. The project site currently includes the Santa Clara Golf & Tennis Club, a BMX track, and a City firehouse, all of which will be demolished. The Proposed Project will consist of mixed uses developed in multiple phases with potentially up to 9.16 million gross square feet of new office, retail, residential, and entertainment facilities, as well as new open space and supporting infrastructure.

The City has retained ICF International to complete this EIR. In turn, ICF International has retained BAE Urban Economics ("BAE") to undertake a urban decay analysis for the retail portion of this project as part of the EIR process under the California Environmental Quality Act (CEQA), Urban decay analysis typically is performed on the retail components of large development projects; CEQA requires consideration of the potential economic impacts of a retail development project if such impacts have the potential to indirectly result in adverse changes to the physical environment, generally manifested in the form of urban decay. In this context, urban decay would result only if all of the following occurred: (1) the project results in an economic impact so severe that existing businesses might close as a result; (2) buildings and/or properties, rather than being reused within a reasonable time, would remain vacant; and (3) vacant buildings and/or properties would be allowed to deteriorate, and lead to the physical decline of the associated or nearby real estate. Physical deterioration includes, but is not limited to, abandoned buildings and commercial sites, boarded doors and windows, long-term unauthorized use of properties and parking lots, extensive gang or offensive graffiti painted on buildings, dumping of refuse or overturned dumpsters on properties, dead trees or shrubbery, extensive litter, uncontrolled weed growth, and homeless encampments. To constitute a significant impact under CEQA, the physical deterioration would need to be substantial in scale, which would require sizeable business closures and ongoing vacancies (i.e., in terms of the total square footage affected and/or the loss of key "anchor" tenants).

BAE's estimate of baseline conditions is based on the information available in Fall 2014), consistent with Public Resources Code Section 15125(a), which provides that an EIR to include a description of the physical environmental conditions at time the Notice of Preparation (NOP) is published; the NOP for the Proposed Project was published on July 30, 2014.

Report Organization

This report contains the following sections, providing background information and addressing issues of concern: this Introduction and Summary of Findings; Demographic Overview; Retail Real Estate Market Conditions; Retail Sales Analysis; and Impacts of Proposed Project on Existing Retail Outlets.

Project Description

The Proposed Project site consists of approximately 240 acres on seven City-owned parcels. The site is north of Tasman Drive, east of Great America Parkway and San Tomas Aquino Creek, west of the Guadalupe River, and south of Great America Way and State Route 237. As noted above, the site is currently occupied by a golf course, a BMX track, and a City fire station, all of which will be removed, as well as a methane plant, pump station and retention basin, which will be retained. Most of the site was formerly utilized as a Landfill, which ceased accepting waste in 1993 and received final closure certification in September 1994. Other portions of the Project site include the Eastside Retention Basin to the north of the Landfill, and currently undeveloped parcels between Tasman Drive to the south and Stars and Stripes Drive to the north. The interchange at State Route 237 and Great America Parkway provides freeway access to the larger Bay Area, connecting to U.S. 101 to the west and Interstate 880 to the east. The site is in close proximity to stops on VTA's Tasman corridor light rail line, and to the Great America Station which has heavy rail passenger service provided by Amtrak's Capitol Corridor and the Altamont Corridor Express (ACE). The Proposed Project is also near the Great America Amusement Park, the recently opened Levi's Stadium, and the Santa Clara Convention Center.

The Draft EIR analyzes two conceptual land use scenarios covering a variety of land uses, designated as Scheme A and Scheme B. Each scheme has a variant where Parcel 2, instead of including 1.96 million square feet of office and 200,000 square feet of retail, has no office space and 519,000 square feet of retail, replacing the multistory office space with retail in a "power center" format.[1] Because one of those scheme variants (designated here as the "Scheme B Variant") has the highest retail square footage and thus would have the greatest potential impact on existing retailers, that scheme is the subject of this urban decay analysis. The Scheme A Variant is not shown here. Table 1 presents a summary of these scenarios.

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[1] *Retail Development*, published by the Urban Land Institute in 2008, states that a power center ("contains at least one super anchor store of at least 100,000 square feet of GLA [gross leasable area] such as a discount department store or a warehouse club and at least four category-specific anchors of 20,000 or more square feet." (See p. 12)

Table 1: Development Program Summary

	Development in Gross Square Feet (GSF)		
Land Use	**Scheme A**	**Scheme B**	**Scheme B Variant**
Residential	1,360,000	200,000	200,000
Commercial (Retail)	1,312,000	1,512,000	1,641,000
Office	5,724,400	6,684,400	4,724,400
Hotel	578,000	578,000	578,000
Entertainment	190,000	190,000	190,000
Total Square Feet	**9,164,400**	**9,164,400**	**7,333,400**
Residential Units	1,360	200	200
Hotel Rooms	700	700	700

Note: The numbers in the above table represent the maximum development for the Project site, but land use mix could change slightly. Specifically, the above table assumes full buildout of office uses, rather than hotel uses at every parcel. However, if the hotel uses would be constructed, the office space would be reduced accordingly.

Source: Related, 2015.

The Project site consolidates the current properties into five development parcels. The assumed buildout for each of the three scenarios shown in Table 1 by development parcel and land use type is presented in Table 2.

Table 2: Proposed Development Program

Parcel	Development in Gross Square Feet (GSF) Scheme A	Scheme B	Scheme B Variant
Parcel 1			
Office (a) (b)	1,200,000	1,200,000	1,200,000
Maximum Development	**1,200,000**	**1,200,000**	**1,200,000**
Parcel 2			
Office (a) (b)	2,160,000	1,960,000	-
Retail	0	200,000	519,000
Maximum Development	**2,160,000**	**2,160,000**	**519,000**
Parcel 3			
Office (a) (b)	720,000	720,000	720,000
Maximum Development	**720,000**	**720,000**	**720,000**
Parcel 4			
Residential	1,160,000	0	0
	(1,160 units)	(0 units)	(0 units)
Hotel	298,000	298,000	298,000
	(300 rooms)	(300 rooms)	(300 rooms)
Retail (c)	1,225,000	1,225,000	1,225,000
Entertainment	190,000	190,000	190,000
Office (a)	1,386,400	2,546,400	2,546,400
Maximum Development	**4,259,400**	**4,259,400**	**4,259,400**
Parcel 5			
Residential	200,000	200,000	200,000
	(200 units)	(200 units)	(200 units)
Hotel	280,000	280,000	280,000
	(400 rooms)	(400 rooms)	(400 rooms)
Retail	87,000	87,000	87,000
Office	258,000	258,000	258,000
Maximum Development	**825,000**	**825,000**	**825,000**
Overall Maximum Development	**9,164,400**	**9,164,400**	**7,523,400**

Notes:
a. Small amounts of employee-servicing food/beverage and other retail uses may be provided in each building.
b. Hotel uses could potentially be included as part of the office developments on Parcels 1, 2, and 3 and the Northwest Office Zone in Parcel 4.
c. "Retail" as defined for this table for Parcel 3 includes food and beverage. Entertainment uses are not part of this urban decay analysis.

Source: Related, 2015

As envisioned, City Place will provide a large new mixed-use urban neighborhood configured as a pedestrian-friendly environment for working, shopping, and entertainment for the region. The core of the development, including over half the square footage of the Proposed Project, is on Parcel 4. This parcel will include a mix of residential, hotel, office, retail, and entertainment uses, with retail encompassing retailers and restaurants. Parcel 4 will consist of a Northwest Office Zone and a City Center Zone. The non-office uses will be concentrated in the City Center Zone, which as planned will consist of a series of districts in an urban “main street” configuration.

Included would be large anchor retail stores such as department stores, smaller retail shops, and eating and drinking establishments aligned along both east-west and north-south axes on multiple levels. The City Center Zone would also include cinemas and other entertainment uses, as well as hotels, office space, and high-density residential.

The Scheme B Variant is assumed to be built out in seven phases, with the earliest phase slated for completion in 2019, and the final phase not completed until 2029 (see Table 3). As noted, however, beyond the first three phases, development may proceed in a different order and on a different schedule, depending on market conditions over time. While the phasing may vary, the reliance on market conditions makes it unlikely that the project schedule would shift in such a way as to create an oversupply of retail space and exacerbate any potential urban decay impacts. It should also be noted that the Scheme B Variant has one less phase than either Scheme A or Scheme B, where the office development of Parcel 2 phased over two phases (Phase 7 and an additional Phase 8); the retail development assumed instead in the Scheme B Variant all occurs in Phase 7, and there is no Phase 8.

For the Scheme B Variant, retail development of the project is in Phases 1 through 4 and Phase 7.[2] Phase 1 includes 87,000 square feet of retail space, Phase 2 includes 1,023,470 square feet of retail space, Phase 3 includes 172,030 square feet of retail, Phase 4 includes 29,500 square feet of retail space, and Phase 7 includes 519,000 square feet of retail. Phases 1 through 4 are part of the development of the City Center Zone, and Phase 7 is assumed to be in a power center format.

[2] For the purposes of this urban decay analysis, retail is defined as including businesses classified per the North American Industrial Classification System (NAICS) as being "Retail Trade" (NAICS Sector 44-45) or "Food Services and Drinking Places "(NAICS 722). This is inclusive of the same business establishment types as used by the California State Board of Equalization in its grouping of "Retail and Food Services" in reporting taxable sales. It does not include the space envisioned as entertainment in the Proposed Project.

Table 3: Project Development Schedule - Scheme B Variant

Phase	Area		Square Feet of Development	Construction Start	Completion
1	Parcel 5	Inline Retail/F&B	87,000	2016	2019
		Total Retail	**87,000**		
		Office	258,000		
		Hotel	280,000		
		Residential	200,000		
		Total, Phase 1	**825,000**		
2	Parcel 4	Anchor/Mini Anchor	330,000	2017	2020
		Inline Retail/F&B	693,470		
		Total Retail	**1,023,470**		
		Entertainment	190,000		
		Office	240,000		
		Hotel	298,000		
		Residential	660,000		
		Total, Phase 2	**2,411,470**		
3	Parcel 4	Inline Retail/F&B	172,030	2018	2021
		Total Retail	**172,030**		
		Office	80,000		
		Residential	500,000		
		Total, Phase 3	**752,030**		
4	Parcel 4	Inline Retail/F&B	29,500	2020	2023
		Total Retail	**29,500**		
		Office	1,066,400		
		Total, Phase 3	**1,095,900**		
5	Parcel 3	Office	720,000	2022	2025
6	Parcel 1	Office	1,200,000	2024	2027
7	Parcel 2	Retail	519,000	2026	2029
Total Retail			**1,831,000**		
Total			**7,523,400**		

Note:
The phasing identified in this schedule is hypothetical. Phases 1, 2, and 3 will comprise the City Center and will be the first phases to be constructed. The actual sequence of construction will occur in response to market forces.

Source: Related, 2015.

Study Methodology

This study provides a comprehensive analysis of current and future anticipated retail shopping patterns in the Market Area as defined below, leading to an assessment of potential impacts on existing retail facilities and their future reuse or vacancy. The methodology follows these steps, with more detailed explanations included as each step is described in each chapter of the report:

1. Define a market area for the Proposed Project, based on location of existing and planned competitive supply and anticipated shopping patterns of residents.

2. Document and analyze demographic and economic conditions for the market area, including benchmark comparisons to the State of California.

3. Document and analyze existing retail real estate trends, focusing on key competitive supply and existing vacancies. It should be noted in many cases shopping centers have life cycles, and may become functionally obsolete or deteriorate in the normal course of events as retail spending patterns change, with or without a significant new project.

4. Document and evaluate existing retail sales trends, in order to understand local market area characteristics and variations within the market area.

5. Estimate existing sales trends and "leakage" of consumer sales out of the market area or capture of consumer sales from outside the area, specifically for the retail categories potentially impacted by the Proposed Project.

6. Estimate impacts of the Proposed Project on market area sales, based on the assumed completion dates as noted above in Table 3 for the Scheme B Variant, with the first phase of the project opening in 2019 and the final phase opening in 2029. The phasing assumptions were provided by the project applicant.

7. Estimate the impacts of the Proposed Project on existing stores, based on any potential decline in sales for existing stores, as well as the effects of future growth and increased demand in the market area.

8. Assess the potential for urban decay.

Findings Regarding Urban Decay

Urban decay depends on a causal chain as follows:

- The project results in an economic impact so severe that stores might close as a result;
- Buildings and/or properties, rather than being reused within a reasonable time, remain vacant once closed;
- Vacant buildings and/or properties deteriorate; and
- Deterioration occurs on a substantial scale (in terms of total square footage affected and/or the loss of key "anchor" tenants") and for a substantial duration so as to cause the buildings and/or properties to deteriorate, and lead to the decline of the associated or nearby real estate.

Proposed Project Alone

The analysis here finds that that even with the Proposed Project in place, the growth in population in the Market Area, which includes much of Santa Clara County as well as portions of nearby San Mateo and Alameda Counties as shown in Figure 1 below, should result in increased retail demand such that existing retailers would still have sales above baseline 2015 levels with each and all retail phases of the Proposed Project in place (see discussion and Table 18 below). While some adjustments could occur that could lead to closure of some retail outlets directly competitive with City Place, overall demand for space in the Market Area is strong enough that vacant space could be re-tenanted in the short term, or redeveloped in a newer retail format or in other uses such as housing. Therefore, the Proposed Project would not result in urban decay.

Cumulative Impacts

Based on the analysis below, BAE finds that there are no significant urban decay impacts attributable to the Proposed Project along with other reasonably foreseeable projects. There is the potential for a temporary reduction in sales at existing retail businesses within the Market Area in the next decade, but impacts will decrease over time, and by 2029 (the assumed opening year of City Place's final retail phase), sales will have recovered to above baseline levels. It is not possible, however, to state with certainty that particular retail locations are going to be impacted in the interim by store closures, because the existing retailers can adjust their marketing strategies in response to new competition in such a way as to lessen losses; furthermore, the specific retail tenants and retail mix of the Proposed Project, and thus the particular retail locations that might be impacted, are not yet known. In fact, since over the long term the losses dissipate, existing retail businesses on the whole could likely survive without closure. Furthermore, properties that become vacant may see conversion to other land uses, for instance to meet demand for additional housing. Beyond the

Market Area, impacts are likely to be diffused across a wide area such that impacts will not be significant.

BAE's own observations show that commercial and retail properties in the Market Area, including vacant properties, are generally well maintained. BAE found little evidence of blighted retail buildings in the Market Area marred by broken windows, graffiti, rubbish, overgrown vegetation, or other indicators of urban decay. This suggests that both property owners and local governments are vigilant about preventing physical deterioration of the community. The potential for urban decay is also lessened by the probability of market corrections as future conditions evolve. Retail spaces, including those in the Proposed Project, are often planned for development speculatively without commitment from potential tenants, even if approvals have been obtained. Without those commitments before breaking ground, however, developers may either cancel or delay projects, often due to the inability to obtain financing. In the absence of those commitments, the Proposed Project and other projects may not move forward on the schedule assumed here, and projects may be delayed until market conditions improve. Failure to construct a retail property on the original schedule does not constitute urban decay.

As noted in the analysis below, recently constructed retail projects in the Market Area as well as much of the anticipated cumulative development involve the demolition of existing retail buildings and their replacement with newer buildings and tenants more suited for current and future market trends. Furthermore, the Market Area is largely built out with limited potential for "greenfield" development, and many older properties of all types in the region are being replaced, ranging from small bungalows being replaced with "McMansions" to aging tilt-wall industrial buildings being replaced with multi-story office buildings more suited for today's Silicon Valley market. In fact, the majority of the space in the Proposed Project consists of office space to meet anticipated demand.

In the event of closures due to short-term (or long-term) declines, in any market there are often retailers and other "second generation" tenants such as fitness centers trying to enter the market; these prospective tenants see vacant spaces, even large ones, as an opportunity. For example, Kohl's has chosen to reuse vacant Mervyn's spaces in many markets, including Mountain View. Target reused the site formerly occupied by the Mervyn's in Santa Clara. The former Expo Design Center in south San Jose has been re-tenanted by Walmart. Circuit City stores in a number of cities have been re-tenanted, including Sunnyvale (Sprouts), San Jose (Walmart Neighborhood Market on Stevens Creek and Fresco Supermarket in east San Jose), East Palo Alto (Mi Pueblo Market), and Fremont (Nordstrom Rack).

As the leakage analysis indicates, there may be “gaps” in the retail mix including home furnishings and appliances, clothing and clothing accessory stores, and specialty retail. As long as there are opportunities for reuse of properties through re-tenanting of spaces or redevelopment in other uses, property owners are likely to continue to maintain vacated buildings to keep them available in the market, or otherwise redevelop the properties (in either retail or other uses) to meet changing market conditions, and the area will avoid significant urban decay.

DEMOGRAPHIC OVERVIEW

This section presents background information on current and projected demographic conditions in the City of Santa Clara and nearby communities making up the Proposed Project's Market Area, as defined below. Developing a demographic profile of these areas helps in identifying key factors influencing future retail sales in the areas, and to assess the potential impacts of the Proposed Project and any other planned retail projects on existing retail outlets and centers. Data sources for this demographic overview include the U.S. Census Bureau, the Association of Bay Area Governments, the California State Department of Finance, and Nielsen, a private vendor providing estimates of current and future demographic conditions.

Definition of Market Area

A market area is the geographic region that encompasses most of a retail outlet's customers. BAE defined the Proposed Project Market Area, based on:

- A physical tour of the City of Santa Clara and nearby areas.
- BAE's understanding of the retail mix for the Proposed Project – while the project has no disclosed potential retail tenants, the conceptual development plan and available material, including project data as provided by Related, provides general guidance as to the types of retailers, and thus the potential area of attraction.
- Mapping of existing competitive outlets and in the region.
- Mapping of proposed sites for key planned and proposed competitive retail facilities.

The Proposed Project is located at the south end of San Francisco Bay near State Highway 237, which extends from Interstate 680 in Milpitas to El Camino Real (State Highway 82) in Mountain View; this route provides access to Interstate 880, U.S. Highway 101, and State Highway 85, providing strong connections from the project to much of the Bay Area. The Proposed Project as envisioned will provide a large amount of destination retail and entertainment uses in a mix designed to attract shoppers from a broad region, not just local shoppers from Santa Clara city. To take into account this region-serving concept, BAE mapped a 20-minute drive time[3], and designated a set of cities and surrounding areas that approximated this area as the Market Area. This area is shown on Figure 1, with a list of the incorporated places within the Market Area listed in Table 4. This area includes all the cities in Santa Clara County except Morgan Hill

[3] A twenty-minute drive time is commonly used in defining a regional retail center market area. See, for instance, *Retail Development*, Fourth Edition, Urban Land Institute, 2008, p.53.

and Gilroy, as well as Fremont and Newark in Alameda County and Menlo Park and East Palo Alto in San Mateo County.

Figure 1: City Place Market Area

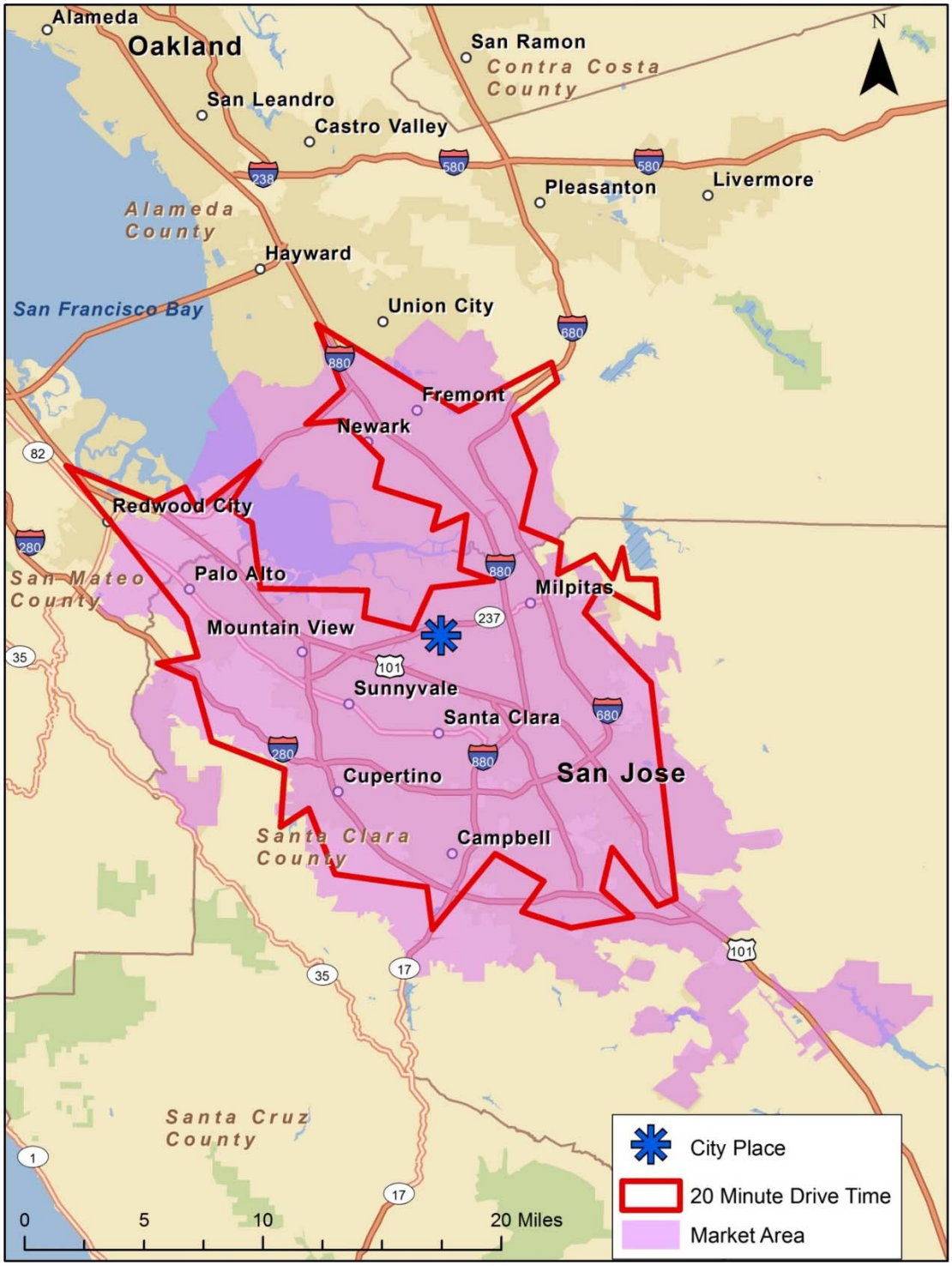


Table 4: List of Incorporated Places in Market Area

Name of City/Town	
Atherton	Milpitas
Campbell	Monte Sereno
Cupertino	Mountain View
East Palo Alto	Newark
Fremont	Palo Alto
Los Altos	San Jose
Los Altos Hills	Santa Clara
Lost Gatos	Saratoga
Menlo Park	Sunnyvale

Note: Market Area also includes additional unincorporated areas within and near this list of jurisdictions.

Source: BAE 2015.

It is important to note that while the majority of shoppers will originate from within this area, additional visitors will come from throughout the Bay Area and beyond, especially given regional attraction to Great America Amusement Park and events at Levi's Stadium and the Santa Clara Convention Center. The Proposed Project will also attract shoppers employed in the project and elsewhere in the nearby Market Area that are in-commuting from elsewhere. The following demographic overview provides data for the City of Santa Clara, the Market Area, the larger nine-county Bay Area, as well as statewide data for comparison purposes.

Population Trends

Understanding population and household growth trends is crucial in assessing the future performance of retail outlets in any market area. Areas with strong growth can easily absorb additional retail development, since the increasing population will generate additional demand for goods and services. However, other factors being equal, even areas with slower growth will show increasing consumer expenditures as per capita buying power increases gradually along with population.

As shown in Table 5, the City of Santa Clara, the Market Area, and the Bay Area are growing at a faster rate than California overall, with the fastest growth rate among the three geographies taking place in the City of Santa Clara. The City's population in 2010 was 116,468, and is projected by Nielsen to grow to nearly 125,000 by 2015 and 133,000 by 2020. The Market Area is slated to grow by nearly a quarter million persons between 2010 and 2020, with a population of approximately two million in 2010 and 2.25 million by 2020. The Bay Area, at 7.15 million in 2010, is projected to reach 7.95 million in 2020.

Table 5: Population Trends, 2010-2020

Area	2010	2015	Average Annual % Change 2010-2015	2020	Average Annual % Change 2015-2020
City of Santa Clara	116,468	124,932	1.4%	132,929	1.2%
Market Area (a)	2,003,578	2,129,666	1.2%	2,250,661	1.1%
Bay Area (b)	7,150,739	7,551,491	1.1%	7,948,058	1.0%
California	37,253,956	38,822,536	0.8%	40,505,730	0.9%

Notes:
(a) The Market Area encompasses the entire population of the cities and towns of Atherton, Campbell, Cupertino, East Palo Alto, Fremont, Los Altos, Los Altos Hills, Los Gatos, Menlo Park, Milpitas, Monte Sereno, Mountain View, Newark, Palo Alto, San Jose, Santa Clara, Saratoga, Sunnyvale, and nearby unincorporated areas. See Figure 1.
(b) The Bay Area includes Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma Counties.

Sources: Nielsen; BAE, 2015.

The City Place project is slated for development over a long time frame, with buildout of the final phase currently slated for 2029. Projections by the Association of Bay Area Governments (ABAG) show sustained long-term regional growth over this period (see Table 6). The ABAG projections show a population increase of 334,600 for the Market Area between 2015 and 2030, and an increase of 1,035,400 during this same period for the nine-county Bay Area, with additional growth through 2040.

Table 6: Long-Term Population Projections

Population	2010	2015	2020	2030	2040	Average Annual % Change 2010-2040
City of Santa Clara	116,468	122,500	128,700	141,700	156,500	1.0%
Market Area (a)	1,924,935	2,028,200	2,136,100	2,362,800	2,616,200	1.0%
Bay Area	7,150,739	7,461,400	7,786,800	8,496,800	9,299,100	0.9%

Notes:
Estimates here are from a different source than previous table, and thus may vary from those estimates.
(a) Population projections for the Market Area are based on 2013 ABAG estimates for subregional study areas, including Campbell, Cupertino, Fremont, Los Altos, Los Altos Hills, Los Gatos, Milpitas, Monte Sereno, Mountain View, Newark, Palo Alto, San Jose, Santa Clara, Saratoga, and Sunnyvale. These subregional study areas include many of the unincorporated areas near and within the Market Area boundaries.

Sources: Plan Bay Area Projections 2013; BAE, 2015.

Household Trends

As shown in Table 7, household growth trends mirror population trends, with more rapid growth in the City, Market Area, and Bay Area than for California. At 2.90 persons in 2015, average household size for all households in the overall Market Area is at statewide levels, and is larger than for the City or the Bay Area. Average household size is not projected to change substantially over the next five years for any of these geographies.

Table 7: Household Trends, 2010-2020

Area	2010	2015	Average Annual % Change 2010-2015	2020	Average Annual % Change 2015-2020
City of Santa Clara					
Number of Households	43,170	46,218	1.4%	49,286	1.3%
Average Household Size	2.63	2.64	0.1%	2.64	0.0%
Market Area					
Number of Households	677,580	722,615	1.3%	766,225	1.2%
Average Household Size	2.91	2.90	0.0%	2.90	-0.1%
Bay Area					
Number of Households	2,608,023	2,761,021	1.1%	2,914,211	1.1%
Average Household Size	2.69	2.68	0.0%	2.68	0.0%
California					
Number of Households	12,577,498	13,097,549	0.8%	13,678,939	0.9%
Average Household Size	2.90	2.90	0.0%	2.90	0.0%

Sources: Nielsen; BAE, 2015.

Resident Income

Consumer buying power is a critical factor in assessing the potential for retail development, and household income provides a measure of the strength of this disposable income. As shown in Table 8, the City and the Market Area have very high income levels in comparison to the Bay Area, which in turn has higher income levels than the state. The median household income for the Market Area in 2015 is estimated at $94,369, nearly 60 percent higher than California. While the relationship between income and local consumer expenditures is not necessarily linear[4], these income levels are likely to drive higher consumer expenditures and lead to stronger local retail sales.

[4] For instance, higher-income shoppers are more likely than low-income shoppers to shop online rather than locally. See, for example, "Who is shopping online?" http://www.iacquire.com/blog/study-online-shopping-behavior-in-the-digital-era, or "Online Shopping," by John Horrigan, February 13, 2008, Pew Research Center, http://www.pewinternet.org/2008/02/13/part-3-low-income-internet-users-and-online-shopping/.

Table 8: Household Income

Area	Median Household Income
City of Santa Clara	$97,478
Market Area	$94,369
Bay Area	$78,822
California	$59,436

Sources: Nielsen; BAE, 2015.

Tenure

Tenure (owner vs. renter occupancy) can be another indicator of the mix of retail sales as well as overall sales volumes, with home owners more likely to spend money on home improvements, appliances, and furniture; since renters tend to be younger, they may be more likely to spend money on meals away from home, entertainment, or other similar items and services. While the City of Santa Clara has a high proportion of renters, the Market Area overall has a slightly higher proportion of owners (57.4 percent) than the Bay Area or California.

Table 9: Household Tenure, 2015

	City of Santa Clara		Market Area		Bay Area		California	
	#	%	#	%	#	%	#	%
Owners	21,225	45.9%	414,802	57.4%	1,545,268	56.0%	7,316,351	55.9%
Renters	24,993	54.1%	307,812	42.6%	1,215,753	44.0%	5,781,198	44.1%
Total HHs	**46,218**	**100.0%**	**722,614**	**100.0%**	**2,761,021**	**100.0%**	**13,097,549**	**100.0%**

Sources: Nielsen, BAE, 2015.

RETAIL REAL ESTATE MARKET CONDITIONS

This chapter profiles existing retail real estate conditions in the Market Area. The profile is based on published retail real estate data sources and additional research including area tours and online searches.

Overview of Existing Retail Real Estate Market

In any retail market, existing retail space is vacated on a regular basis due to functional obsolescence or the general cycle of retail closures and openings over time. For instance, until recently there has been a long-term trend in the supermarket industry toward larger stores and consolidation, with older stores reused by "second generation" tenants such as dollar stores, furniture outlets, and even non-retail uses such as fitness centers. In some cases, existing obsolete space is replaced by newer retail space or by other land uses. Any retail market is likely to have a certain amount of vacant space due to normal turnover and changes in retailing, and vacancies alone do not necessarily indicate urban decay or physical deterioration. Following is an analysis of overall retail real estate conditions in the region, based on data from Terranomics Retail Services, a Bay Area brokerage firm tracking inventory in selected shopping centers, and on an area tour to assess conditions "on the ground."

Terranomics currently tracks approximately 33.5 million square feet of retail space in the portion of the Market Area in Santa Clara County, excluding the smaller portions of the Market Area, in San Mateo and Alameda Counties; Terranomics only includes space in shopping centers, but not free-standing retail space. Because of these limitations, this should not be considered a complete inventory of the Market Area's retail space but should give an idea of the order of magnitude of the inventory and general market conditions; a summary of these current conditions can be found in Table 10.

According to Terranomics, the retail real estate market in Santa Clara County has seen a strong rebound since the recession. As of the end of third quarter of 2014, the retail vacancy rate is 4.4 percent for the portion of Santa Clara County within the Market Area, down from 5.3 percent in 2013 and 7.1 percent in 2010 (see Figure 2). Between the beginning of 2013 and the end of September 2014, the Market Area has absorbed over one million square feet of shopping center space (also in Figure 2), with new construction of approximately 570,000 square feet over the same period. Lease rates have also been climbing, from a low of $25.28 per square foot triple net in 2011 to $28.15 in 2014, with the greatest rate of increase occurring in 2014, as shown in Figure 3. For the City of Santa Clara, the retail market is especially strong, with a third quarter 2014 vacancy rate of only 3.5 percent, and an average asking triple net rent of $36.78, an increase of over one-third over 2013. The City's market has been

constrained by a lack of new space, with Terranomics reporting no new shopping center space built since before 2010.[5]

Table 10: Retail Overview, Santa Clara County, 2010-Q3 2014

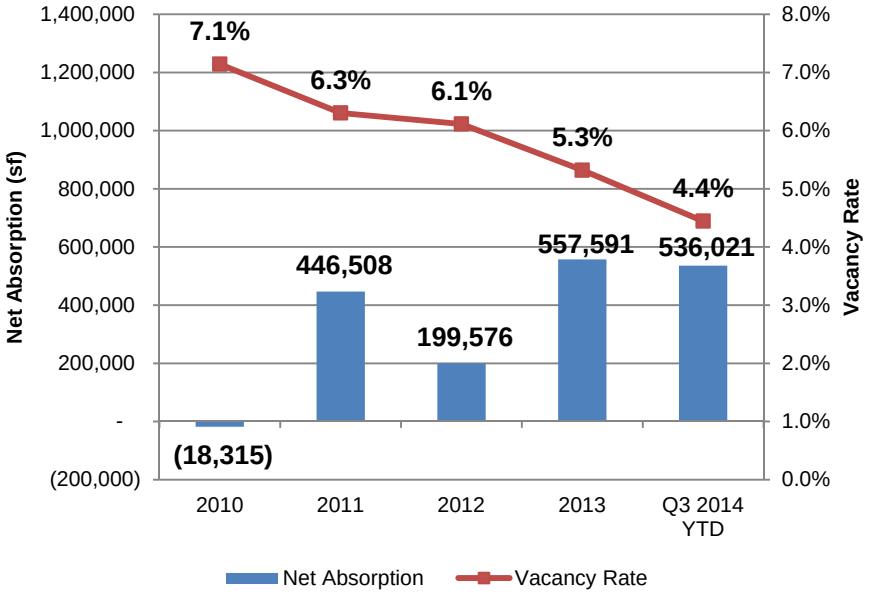
	Santa Clara County (a)		Santa Clara City	
Summary, Q3 2014				
Inventory	33,519,764	sq. ft.	2,328,401	sq. ft.
Occupied Stock	32,030,019	sq. ft.	2,246,131	sq. ft.
Vacant Stock	1,489,745	sq. ft.	82,270	sq. ft.
Vacancy Rate	4.4%		3.5%	
Asking Rents (b)				
Avg Asking Rent, NNN (psf), 2013	$26.59		$27.12	
Avg Asking Rent, NNN (psf), Q3 2014	$28.15		$36.78	
% Change	5.9%		35.6%	
Net Absoprtion				
Net Absorption 2013	557,591	sq. ft.	(19,019)	sq. ft.
Net Absorption, YTD 2014 (c)	536,021	sq. ft.	73,799	sq. ft.
New Activity (d)				
New Construction, 2013	312,979	sq. ft.	-	sq. ft.
New Construction, YTD 2014 (c)	255,583	sq. ft.	-	sq. ft.

Notes:
(a) Includes all of Santa Clara County except for Morgan Hill and Gilroy, which are outside of the Primary Market Area.
(b) Average asking rents reflect NNN leases.
(c) Year to date includes only first three quarters of 2014.
(d) New construction activity based on properties tracked by Cassidy Turley.

Sources: Terranomics; Cassidy Turley; BAE, 2015.

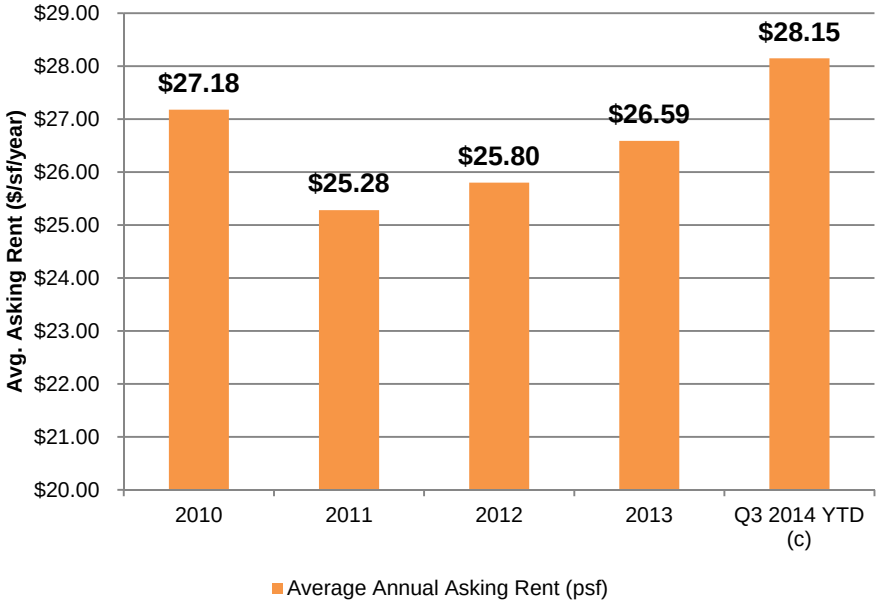
[5] Note that Terranomics' inventory of new space excludes the new Target, which opened in October 2014 after the third quarter was over. This store is in large part a replacement for the space previously occupied by Mervyn's.

Figure 2: Retail Absorption and Vacancy Trends in Market Area, 2010-2014



Note: Based on Santa Clara County, excluding Morgan Hill and Gilroy.
Source: Terranomics, 2014; BAE 2015.

Figure 3: Average Asking Rent, 2010-2014



Note: Based on Santa Clara County, excluding Morgan Hill and Gilroy.
Source: Terranomics, 2014; BAE 2015.

In summary, the retail real estate market in the City of Santa Clara and the Market Area is currently strong, with low and decreasing vacancies, rising rents, and absorption of new and existing vacant space.

Key Competitive Retail Nodes in the Market Area

The project's City Center component is envisioned as a retail, dining, and entertainment destination, rather than being planned as a place to buy everyday items such as groceries or drug store items. The project's later (Phase 7) retail component in the Scheme B Variant is envisioned as a power center, which is also likely to have a regional focus, acting in a complementary fashion to the City Center component by offering additional shopping alternatives nearby. The project's primary competitors are likely to be similar retail centers and districts in the Market Area and beyond.

The Market Area is home to a large number and variety of retail nodes. The largest regional mall within the area is Valley Fair, straddling the San Jose-Santa Clara city boundary at the opposite (south) end of the City from the Proposed Project. This enclosed mall has three major anchors, Nordstrom, Macy's, and Macy's Men's & Home, along with a broad range of smaller retailers, including luxury retailers Prada, Louis Vuitton, Ferragamo, and Tiffany & Co.

The Stanford Shopping Center in Palo Alto is more distant from the Proposed Project, but offers a more upscale mix, with five anchor spaces including Macy's, Macy's Men's Store, Nordstrom, Neiman Marcus, and Bloomingdale's. This center is functionally similar to a traditional mall but is configured in an open air format, making the center more similar to a lifestyle center in that respect.

There are several other region-serving malls in the Market Area, including Westfield Oakridge in south San Jose, Vallco Shopping Mall in Cupertino, Eastridge Center in east San Jose, and Newpark Mall in Newark. The Vallco center, which has been in decline, was recently purchased by Sand Hill Properties, with plans for a major repositioning of the center as a mixed use "town center."[6]

Another key retail destination in the Market Area is Santana Row, a lifestyle center across Stevens Creek Boulevard from Valley Fair. Santana Row includes a mix of uses in an open air format aligned on an internal street network, including ground floor retail, commercial, office, and residential uses, and would likely be a direct competitor for the

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[6] "Vallco finally under single ownership — Pau's Sand Hill lands last piece of mall puzzle," Nathan Donato-Weinstein, *Silicon Valley Business Journal*, November 12, 2014, http://www.bizjournals.com/sanjose/news/2014/11/12/vallco-finally-under-single-ownership-paus-sand.html, accessed December 30, 2014..

Proposed Project.[7] The City Center project would also compete with the successful downtown retail districts in some of the cities in the Market Area, such as those found in Palo Alto and Los Gatos.

Phase 7 of the City Place project as currently configured would be a power center, which would compete with a large number of retail nodes in the Market Area, such as the McCarthy Ranch Marketplace in Milpitas, the recently opened @First project in nearby north San Jose, the Plant in San Jose, the San Jose Market Center near the airport in San Jose, and Ravenswood in East Palo Alto.

The above should not be considered an exhaustive list of retail centers in the Market Area. There are a number of other centers that could compete with the Proposed Project, depending in large part on the retail mix of the Proposed Project as it responds to market conditions as they change over the development period. For example, one other large center in the Market Area is the Great Mall in Milpitas, a large center mostly tenanted by outlet stores. There are a numerous other centers throughout the area, with supermarkets and other retail outlets.

[7] Santana Row, while a large development, appears not to have had long-term adverse impacts on the nearby Valley Fair, as that mall has added an area of upscale shops and is slated for major expansion with the addition of Bloomingdale's, and possibly other retailers, in the future.

RETAIL SALES ANALYSIS

This section examines retail sales trends in the Market Area. Data from Santa Clara city, the Market Area, and the Bay Area are presented, along with comparative data for California. A leakage analysis for the City of Santa Clara and the Market Area is undertaken to identify the relative strength of major retail sectors.

The primary source of information on general retail expenditures in California is the taxable retail sales data published by the State Board of Equalization (SBOE). SBOE publishes *Taxable Sales in California*, a quarterly and annual publication that reports taxable sales by major store categories by city and county. With adjustments made to take into account nontaxable sales such as food for home consumption and prescriptions, this source is the best baseline data for jurisdictions for which it is available. The most recent published annual data available at the time of this analysis were from 2012, with additional data from the first two quarters of 2013 also available. SBOE switched to a new grouping of businesses at the beginning of 2009, making comparisons with earlier data and a continued time series problematic. For example, beverage stores such as wine shops were previously classified with other retail but are now grouped with food stores; thus what might appear to be a jump in food store sales between 2008 and 2009 may actually be due to beverage stores being added to the major category (which has been renamed "food and beverage stores"). The lag of over one year in data reporting must also be taken into consideration, given the ongoing recovery of the regional and national economies. Data from the first two quarters of 2013 for Santa Clara County indicate an increase when compared to the same period in 2012.

Reported taxable sales data do not include nontaxable sales, which consist largely of food items for consumption at home and prescription drugs. To complete the leakage and demand analysis, a factor is applied to the taxable sales to generate an estimate of overall sales that includes non-taxable items. This adjustment factor is based on a comparison by major retail category of Economic Census data on total sales with SBOE data on taxable sales. It is also important to note that SBOE data is provided by type of retail store, not by type of good. For example, apparel is sold in clothing stores, but is also sold in general merchandise stores such as department stores.

As noted above, the published SBOE data are for cities, counties, and the state. The Market Area consists of 18 incorporated places (noted in Table 4 above) as well as nearby unincorporated areas. These unincorporated areas for the most part are either undeveloped or residential areas, with no retail development. SBOE publishes different levels of detail for different jurisdictions. The most detail is available for the state and the 36 largest counties; for the smaller counties and the 272 largest cities, taxable

sales data are available for nine retail categories and one category for all other outlets.[8] Most of the 18 cities/towns in the Market Area have data available at this level of detail, but for a few, the only published data are for overall retail taxable sales. Most of these cities have very limited sales and are not significant generators of sales taxes (e.g., Monte Sereno), and thus can be ignored in a regional analysis. In other cases, where sales by category have not been disclosed, BAE has estimated sales by category based on the retail mix of the area or based on data from the 2007 Economic Census.[9] It is important to note, though, that the large majority of the sales by category for the jurisdictions in the Market Area are noted in SBOE's published data.

Retail Sales Trends in the Market Area

To provide information on retail sales trends in the market areas, the following section presents SBOE-derived retail sales data from the Market Area by major retail store category. For comparative purposes sales data from the City of Santa Clara, the nine-county Bay Area, and California are also presented. All data are presented in constant 2013 dollars, adjusted via the California and Bay Area Consumer Price Indexes. Data are presented for the period from 2003 through 2nd quarter 2013, which was the most recently published data at the time of this analysis.

Overall Retail Sales

Regional Context: California

As shown in Figure 4, inflation-adjusted taxable retail sales levels for California gradually increased from 2002 through 2005 as the state's economy gradually recovered from the dot-com bust and post 9/11 decline. California's retail sales then began a decline which accelerated over time, with large drops from 2007 through 2009 as the Great Recession set in. Total taxable retail sales levels in 2009 were the lowest of the 2003 through 2013 period, dropping to only three quarters of 2005 peak levels. Since 2009, sales have recovered somewhat, but are still well below 2005 levels on an inflation-adjusted basis, and are even below the levels in 2000 despite the increase in population over the decade. For the 3rd Quarter 2012 through 2nd Quarter 2013 period (most recent data available), California's total annual taxable retail sales were approximately $395 billion. Comparison of data from the first two quarters of 2012 with the same period in 2013 indicates a continued gradual improvement.

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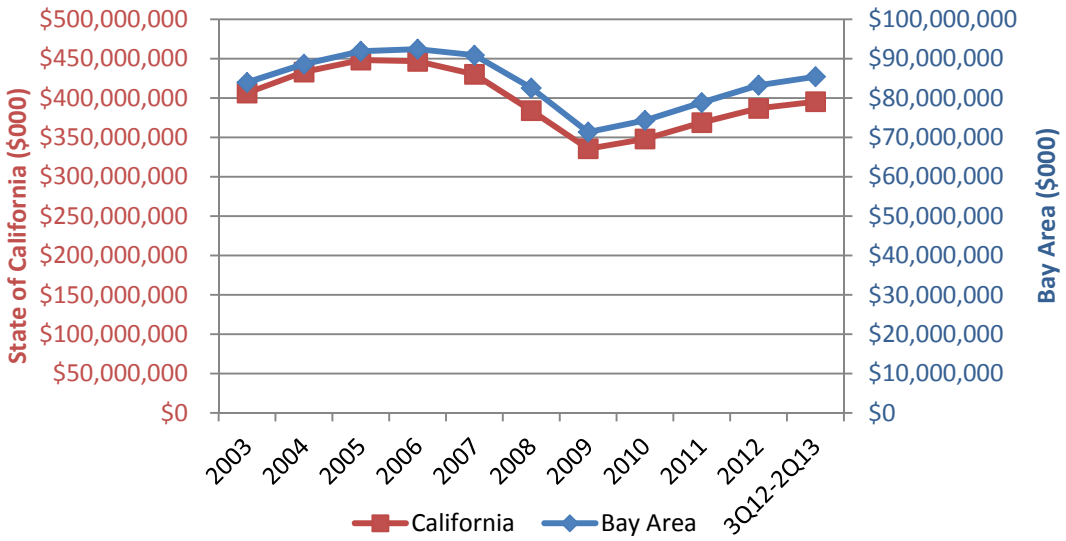
[8] SBOE disclosure/confidentiality rules restrict the publication of data in any category where that would disclose the sales of an individual firm or establishment in a given jurisdiction. Generally, if taxable sales for a given category are not disclosed, sales are combined into a higher-level category or into the "Other Retail Group" category.

[9] Economic Census, *Retail Trade Geographic Series, 2007: California*. U.S. Census Bureau. BAE used the most recent Economic Census data available at time of analysis.

Regional Context: Bay Area

Taxable retail sales for the Bay Area track with those for the State, with a peak of $92.4 billion in 2006, one year later than the state's peak year. Subsequently, there was a sharp decline through 2009, followed by a gradual recovery continuing through 2013 which has seen inflation-adjusted sales finally surpass 2002 levels, at $85.4 billion.

Figure 4: Total Taxable Retail Sales Trends in California and the Bay Area, 2003-2013



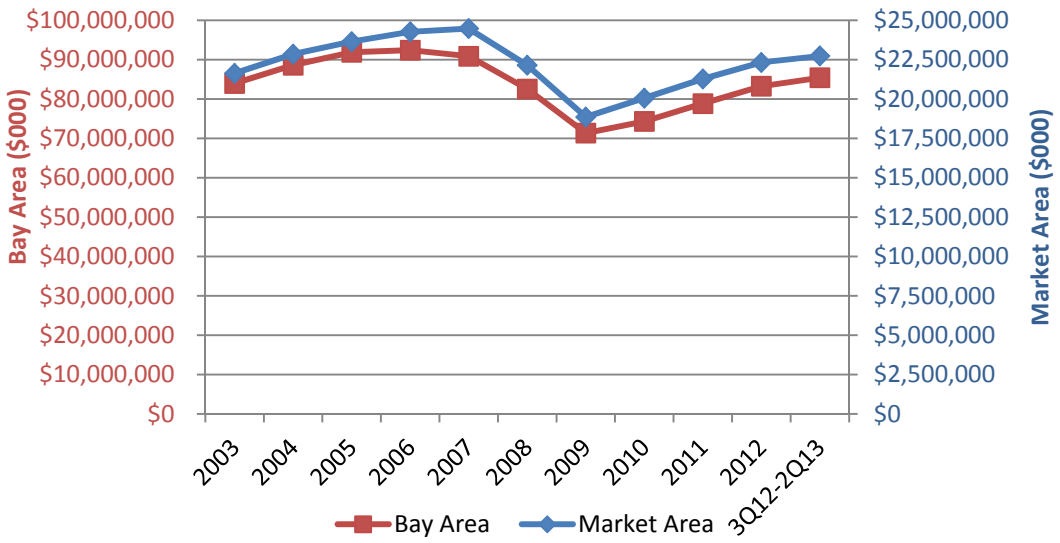
Notes: All sales shown in thousands of 2013 dollars. For details, see Appendix A.

Source: BAE 2015, based on sources as noted in Appendix A.

Subregional Context: Market Area

The Market Area accounts for approximately one-quarter of all taxable retail sales in the Bay Area, a proportion that has remained very constant over the 2003 to 2013 period. Inflation-adjusted taxable sales trends in the Market Area mirror those for the Bay Area overall, although the peak year for sales was 2007, a year later than the Bay Area and two years later than California. As with those geographies, the low point was in 2009. Taxable retail sales for the 3rd Quarter 2012 through 2nd Quarter 2013 period were slightly above 2002 levels, at $22.7 billion, but still below the peak of $24.5 billion in 2007.

Figure 5: Bay Area and Market Area Total Taxable Retail Sales Trends, 2003-2013



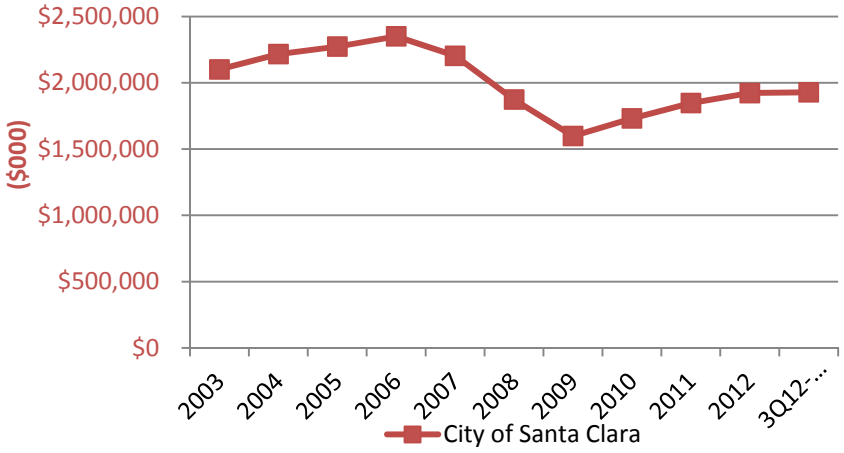
Notes: All sales shown in thousands of 2013 dollars. For details, see Appendix A.

Source: BAE 2015, based on sources as noted in Appendix A.

Local Context: City of Santa Clara

Trends in Santa Clara city mirror the regional trends, albeit at a lower level; the City's taxable retail sales ranged from eight to ten percent of the Market Area's over the ten-year period. One key difference, however, is that for the City and unlike the Bay Area or the Market Area, inflation-adjusted sales have not recovered yet to 2003 levels. For the latest 4 quarters available, taxable retail sales in Santa Clara city are reported at $1.93 billion.

Figure 6: City of Santa Clara Total Taxable Retail Sales Trends, 2003-2013



Notes: All sales shown in thousands of 2013 dollars. For details, see Appendix A.

Source: BAE 2015, based on sources as noted in Appendix A.

Per Capita Taxable Retail Sales

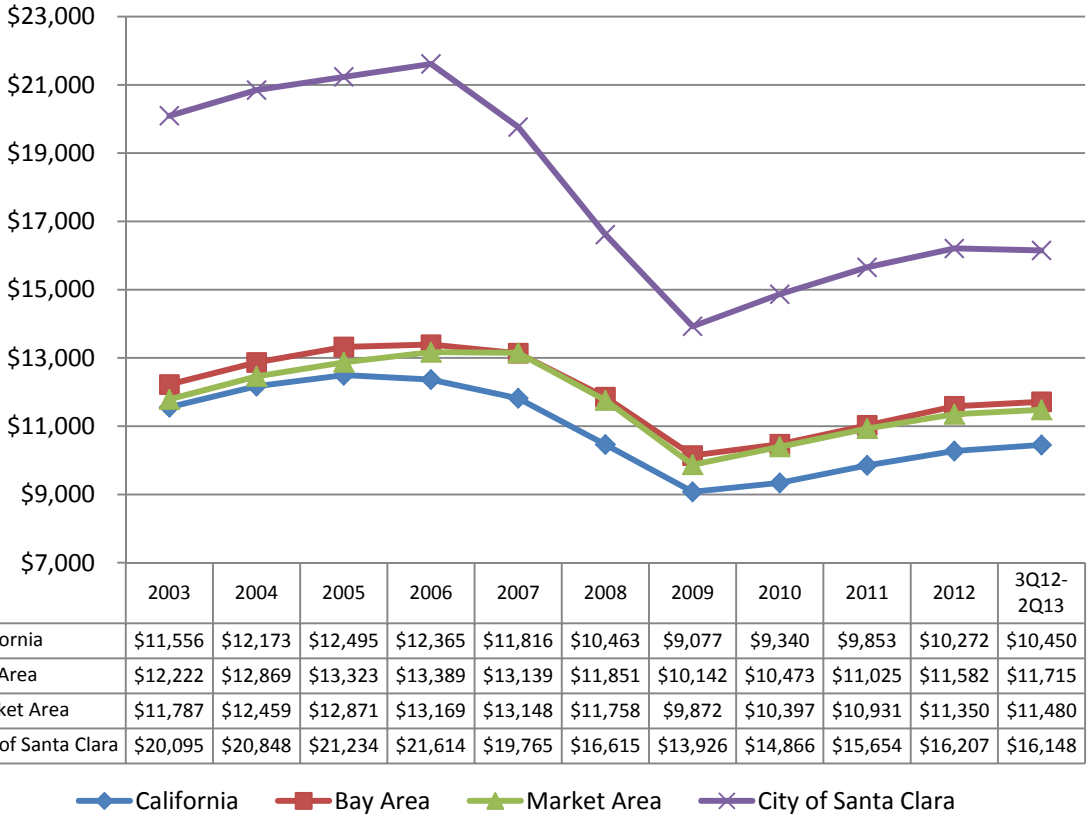
Total Per Capita Retail Sales

Per capita retail sales are an indicator of the relative strength of a locale as a retail destination; other factors being equal, higher per capita sales relative to a larger benchmark area point toward attraction of shoppers from outside the area, and lower per capita sales indicate that local shoppers are going elsewhere to make their purchases. As shown in Figure 7, inflation-adjusted annual per capita taxable retail sales trends generally mirror those for overall sales. Sales climbed through mid-decade, and then began a decline that was sharpest between 2008 and 2009. The state began its slide in 2006, followed by the Bay Area, the Market Area, and the City in 2007. All geographies have shown a gradual recovery from lows in 2008, but are still below 2003 levels on an inflation-adjusted basis. While California, the Bay Area, and the Market Area have recovered to nearly 2003 levels, Santa Clara city's per capita sales are still well below 2003's level.

Despite the decline in the City's per capita taxable retail sales, however, the City still has per capita sales well above California, the Bay Area, or the Market Area. For the most recent four quarters with available data, per capita taxable retail sales in Santa Clara are $16,148, compared to $10,450 for the state, $11,715 for the Bay Area, and $11,480 for the Market Area.

It is noteworthy that sales levels for the Market Area are slightly lower than the Bay Area overall, despite a median household income estimated to be 20 percent higher. This may be an indicator for the potential for additional capture of residents' retail sales expenditures within the area.

Figure 7: Per Capita Total Taxable Retail Sales Trends, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	3Q12-2Q13
California	$11,556	$12,173	$12,495	$12,365	$11,816	$10,463	$9,077	$9,340	$9,853	$10,272	$10,450
Bay Area	$12,222	$12,869	$13,323	$13,389	$13,139	$11,851	$10,142	$10,473	$11,025	$11,582	$11,715
Market Area	$11,787	$12,459	$12,871	$13,169	$13,148	$11,758	$9,872	$10,397	$10,931	$11,350	$11,480
City of Santa Clara	$20,095	$20,848	$21,234	$21,614	$19,765	$16,615	$13,926	$14,866	$15,654	$16,207	$16,148

Notes: All sales shown in thousands of 2013 dollars. For details, see Appendix A.

Source: BAE 2015, based on sources as noted in Appendix A.

Per Capita Taxable Retail Sales by Major Store Category

The comparison of per capita retail sales by category indicates that Santa Clara city's high sales levels are due in large part to a strong automotive sector, with per capita taxable sales for motor vehicles and parts dealers at $5,329 annually, nearly three times the Bay Area figure (see Table 11). The strong sales in this sector show how the "auto row" of dealers arrayed along Steven Creek Boulevard attracts shoppers from throughout the region. The City also has very high per capita sales for home furnishings and appliance stores, general merchandise stores, and food services and drinking places, indicating that the City is also attracting shoppers from outside the City to those types of businesses. With the exception of the motor vehicle sector and home furnishings and appliance dealer sectors, however, the Market Area lags behind the Bay Area overall in per capita taxable retail sales by major store category, despite the higher income levels for the Market Area. Food and beverage stores, clothing and clothing accessory stores, and the other retail group (which includes pharmacies and other

health and personal care outlets, as well as a mix of specialty retail store types, including but not limited to sporting goods, books, office supplies, and pet supplies) all have per capita sales at less than 90 percent of Bay Area levels.

Table 11: Comparative Per Capita Taxable Retail Sales by Major Retail Store Category, 3Q 2012 - 2Q 2013

Sales per Capita in 2013 $ (a) (b) (c)	**Santa Clara City**	**Market Area** (d)	**Bay Area**	**California**
Motor Vehicle and Parts Dealers	$5,329	$2,251	$1,823	$1,719
Home Furnishings and Appliance Stores	$1,688	$992	$853	$665
Bldg. Matrl. and Garden Equip. & Supplies	$642	$796	$877	$765
Food and Beverage Stores	$751	$602	$743	$665
Gasoline Stations	$1,454	$1,388	$1,455	$1,531
Clothing & Clothing Accessories Stores	$634	$995	$1,127	$899
General Merchandise Stores	$1,736	$1,327	$1,372	$1,360
Food Services and Drinking Places	$2,717	$1,878	$2,004	$1,618
Other Retail Group	$1,197	$1,220	$1,460	$1,229
Retail Stores Total	**$16,148**	**$11,449**	**$11,715**	**$10,450**
Population	119,414	1,980,289	7,290,817	37,826,471

(a) Retail sales have been adjusted to 2013 dollars based on the Bay Area Consumer Price Index, from the U.S. Bureau of Labor Statistics (BLS) or the California Consumer Price Index, derived by the State Department of Industrial Relations based on data from BLS. Totals may not sum from components due to independent rounding.
(b) Analysis excludes all non-retail outlets (business and personal services) reporting taxable sales.
(c) Per capita sales calculated based on sales divided by population. Population from CA State Dept. of Finance.
(d) Due to data availability issues, Market Area sales include only sales for incorporated places within the Market Area, and population estimate is only for incorporated places. This includes most of the population of the Market Area, and land use patterns indicated very limited retail sales in the unincorporated areas. Totals may vary from other tables, due to BAE's estimates by category for several cities where disclosure problems limited available data.

Sources: State Dept. of Finance; State Board of Equalization; CA Dept. of Industrial Relations; U.S. Bureau of Labor Statistics; BAE, 2015.

Figure 8: Per Capita Sales in the Market Area Relative to Nine-County Bay Area

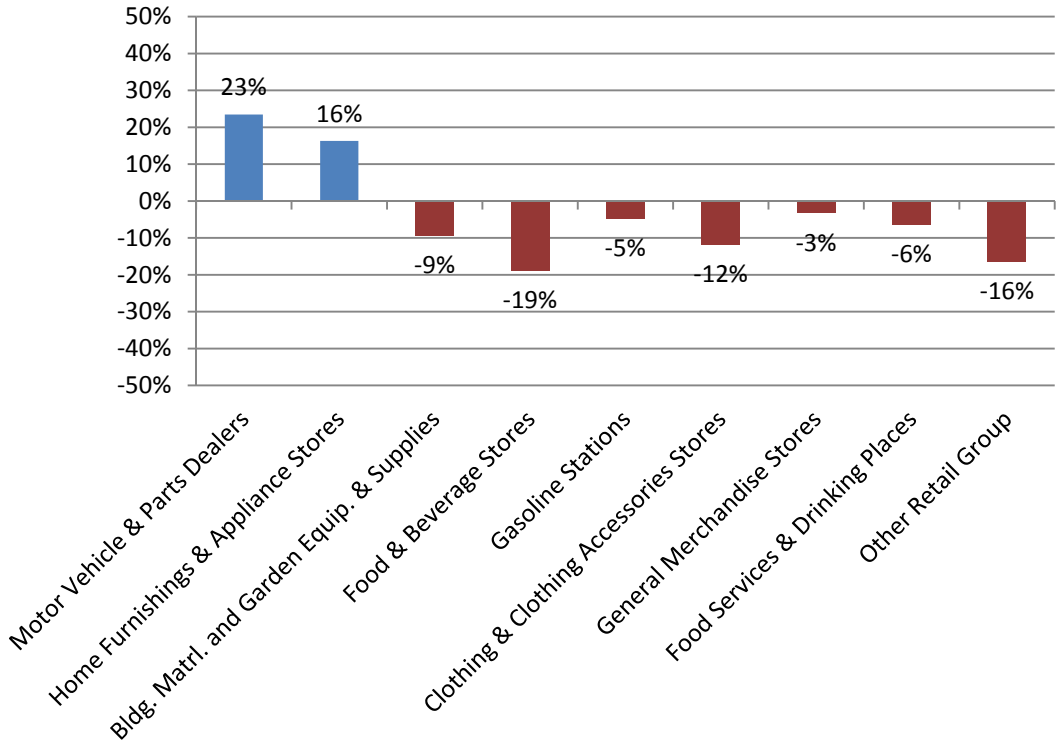


Chart shows 3Q 2012- 2Q 2013 per capita sales by category relative to the Bay Area; e.g., per capita food and beverage store sales in the Market Area are 19 percent below Bay Area benchmark. Includes only taxable sales. For additional detail, see Appendix A.

Sources: State Dept. of Finance; State Board of Equalization; CA Dept. of Industrial Relations; U.S. Bureau of Labor Statistics; BAE, 2015.

Leakage Analysis

Overview of Methodology

Retail leakage analysis compares actual retail sales in an area with a selected benchmark that provides a measure of the potential sales generated by that area's residents. If sales levels are below the predicted level, the area may be able to support increased sales, either through the opening of new outlets targeting those leakages or a repositioning of existing outlets such that they could capture that leakage.

A lower-than-predicted sales volume is a strong indicator that consumers are traveling outside the area to shop; thus, the sales are “leaking” out of the study area. Conversely, if the area shows more sales than would be expected from the area's characteristics, there are sales “injections” into the study area. Often, an injection of sales indicates that the study area is serving as the regional shopping destination for a broader area. On the other hand, if an area shows substantial leakage, it may be due to

the presence of a region-serving retail node outside but near the study area capturing those "leaked" sales. In such a case, the study area itself may not have sufficient population to support the region-serving retail, so those sales cannot necessarily expect to be captured within the study area.

There are a number of factors that can be used to predict sales levels, with the two most important factors being the number of persons in the area and the disposable income available to that population. Additional factors influencing retail spending in an area include household type, age of population, number of workers in the area (i.e., daytime population), tourism expenditures, tenure patterns (owner vs. renter), and cultural factors.

For the purposes of this analysis, Santa Clara County per capita expenditures by major retail store category are used as benchmarks in assessing whether the Market Area has injections or leakages of retail sales. The Market Area's median household income levels are very similar to Santa Clara County levels, and Santa Clara County is a large enough geography that sales are likely relatively self-contained; furthermore, most of the Market Area falls within the County. These figures have also been adjusted to take into account non-taxable sales. For comparison purposes, overall Bay Area sales per capita are also shown; as indicated, the overall expenditure levels for the Bay Area are similar to Santa Clara County, indicating that using the County as a benchmark is reasonable even though the Market Area is not entirely within the County.

Table 12: Benchmarks for Leakage Analysis

Sales per Capita in 2013 $ (a) (b) (c)	**Market Area** (d)	**Benchmark**	**Santa Clara County**	**Bay Area**
Motor Vehicle and Parts Dealers	$3,376	$3,277	$3,277	$2,735
Home Furnishings and Appliance Stores	$992	$1,109	$1,109	$853
Bldg. Matrl. and Garden Equip. & Supplies	$796	$817	$817	$877
Food and Beverage Stores	$1,805	$1,807	$1,807	$2,228
Gasoline Stations	$1,388	$1,460	$1,460	$1,455
Clothing & Clothing Accessories Stores	$995	$1,251	$1,251	$1,127
General Merchandise Stores	$1,562	$1,672	$1,672	$1,614
Food Services and Drinking Places	$2,087	$2,151	$2,151	$2,227
Other Retail Group	$1,627	$1,829	$1,829	$1,947
Retail Stores Total	**$14,628**	**$15,373**	**$15,373**	**$15,063**

(a) Retail sales have been adjusted to 2013 dollars based on the Bay Area Consumer Price Index, from the U.S. Bureau of Labor Statistics (BLS) or the California Consumer Price Index, derived by the State Department of Industrial Relations based on data from BLS. Adjustments have been made to account for nontaxable sales, as shown in Appendix C. Totals may not sum from components due to independent rounding.
(b) Analysis excludes all non-retail outlets (business and personal services) reporting taxable sales.
(c) Per capita sales calculated based on sales divided by population. Population from CA State Dept. of Finance.
(d) Due to data availability issues, Market Area sales include only sales for incorporated places within the Market Area, and population estimate is only for incorporated places. See Appendix B for total sales by category.

Sources: State Dept. of Finance; State Board of Equalization; CA Dept. of Industrial Relations; U.S. Bureau of Labor Statistics; 2007 Economic Census; BAE, 2015.

The results of the leakage analysis are summarized in Figure 9 and Table 13, with detail on this analysis provided in Appendix D.

Market Area Leakage Analysis

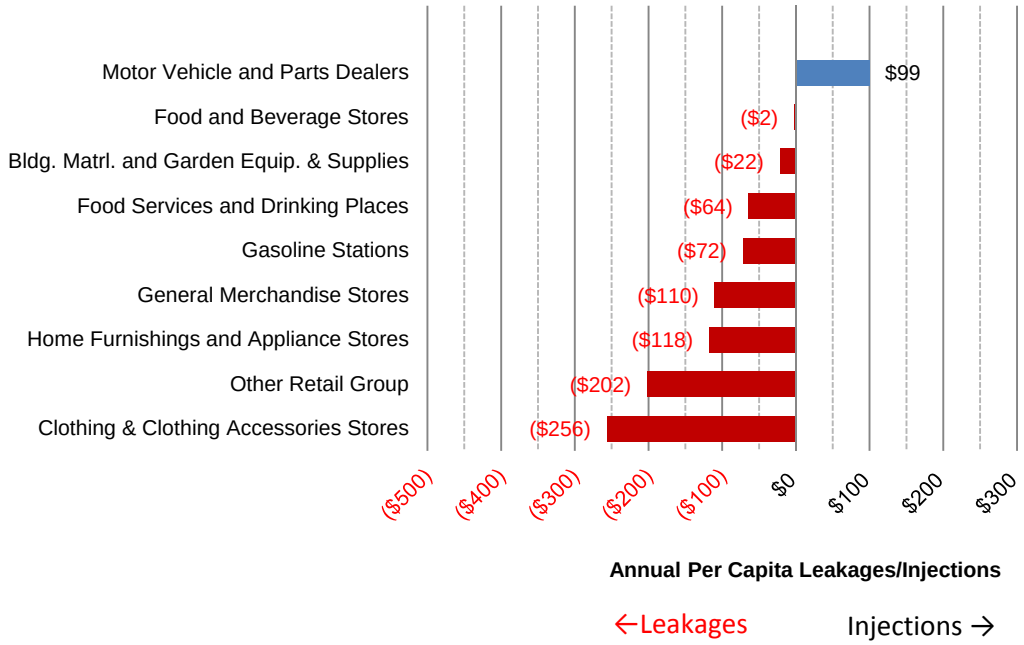
The Market Area appears to show leakages of retail sales in all major retail categories except for the motor vehicle sector. Three categories show leakages of greater than 10 percent: home furnishings and appliance stores; clothing and clothing accessory stores; and the "other retail" group, which includes a mix of retail store types not otherwise categorized.

These three categories showing the greatest leakage fall largely in what is generally classified as "comparison" or "destination" retail, where the goods available in these stores are often found clustered in larger retail centers such as regional malls, lifestyle centers, and large power centers. However, as noted in the section on the retail inventory above, the Market Area has several malls, including Stanford Mall and Valley Fair, as well as Santana Row and a number of other large retail centers. The sales data, however, may indicate that some Market Area resident purchases are being made elsewhere; for instance, residents may be shopping elsewhere in the three counties that include the Market Area, or may be venturing to San Francisco's wide array of higher-end retail outlets.

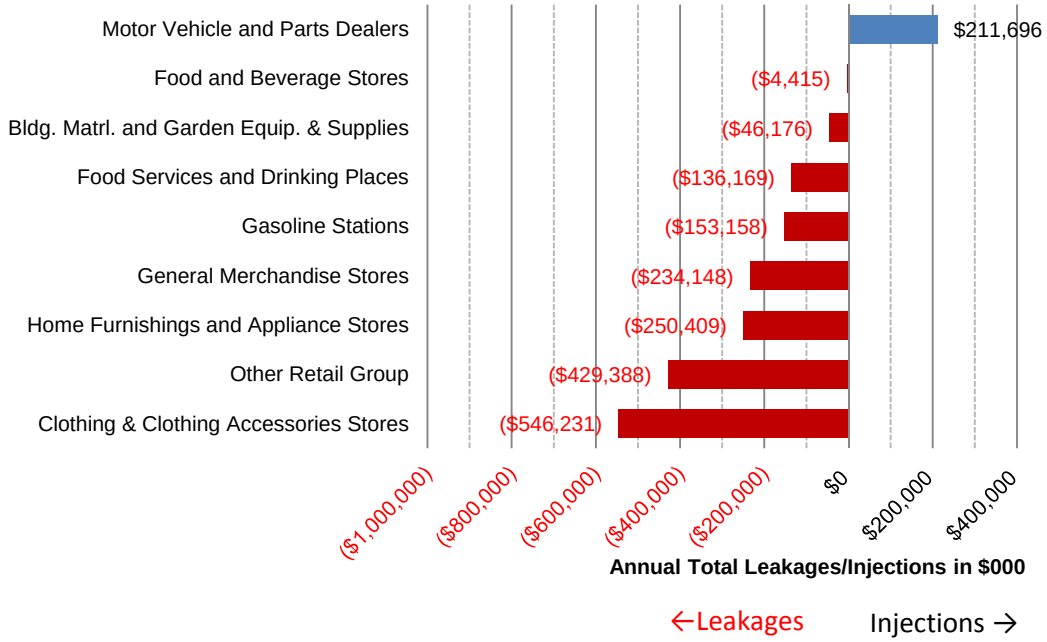
Overall, estimated leakages total approximately $1.8 billion annually and injections (all in motor vehicles and parts) total $212 million. Excluding the motor vehicle sector (which is not a likely use in the Proposed Project), it is estimated that approximately seven percent of Market Area resident retail expenditures are occurring outside the Market Area.

Figure 9: Market Area Retail Sales Leakages by Major Retail Store Category

Annual Per Capita Retail Sales Injections and Leakages



Annual Total Retail Sales Injections and Leakages in $000



Source: BAE Urban Economics, based on sources as noted in Appendices.

Table 13: Summary of Leakage Analysis

Store Category	2015 Total Annual Retail Sales in $000: Estimated Sales in Area	2015 Total Annual Retail Sales in $000: Estimated Resident Expenditures	2015 Total Injection/ (Leakage) $000	2015 Per Capita Injection/ (Leakage)	Injection/ Leakage as % of Potential Sales
Motor Vehicle and Parts Dealers	$7,190,365	$6,978,669	$211,696	$99	3%
Home Furnishings and Appliance Stores	$2,111,790	$2,362,199	($250,409)	($118)	-11%
Bldg. Matrl. and Garden Equip. & Supplies	$1,694,522	$1,740,698	($46,176)	($22)	-3%
Food and Beverage Stores	$3,844,329	$3,848,745	($4,415)	($2)	0%
Gasoline Stations	$2,955,576	$3,108,734	($153,158)	($72)	-5%
Clothing & Clothing Accessories Stores	$2,118,990	$2,665,221	($546,231)	($256)	-20%
General Merchandise Stores	$3,325,933	$3,560,081	($234,148)	($110)	-7%
Food Services and Drinking Places	$4,444,965	$4,581,134	($136,169)	($64)	-3%
Other Retail Group	$3,465,241	$3,894,629	($429,388)	($202)	-11%
Total	**$31,151,711**	**$32,740,109**	**($1,588,398)**	**($746)**	**-5%**

All sales and leakages estimates are in 2013 dollars. For detail on methodology and sources, see Appendices.

Sources: BAE, based on sources as noted in supporting tables and appendices.

IMPACTS OF PROPOSED PROJECT ON EXISTING RETAIL OUTLETS

Overview

This chapter evaluates the impacts on sales at existing retail outlets with the Proposed Project in place. The impacts of the Proposed Project alone are considered first, followed by a discussion of cumulative impacts, which takes into consideration other under-construction and reasonably foreseeable proposed retail projects in the Market Area. The chapter concludes with findings on urban decay.

Economic impacts resulting in the closure of large retail outlets have greater potential to lead to urban decay than closures of smaller stores, especially if they anchor centers with other smaller retailers present. Vacancies in scattered smaller stores alone are less likely to result in a "downward spiral" to urban decay than the loss of the major anchor of a shopping center or district. Where closure occurs in a diffuse manner, the likelihood of a cumulative effect leading to urban decay is unlikely. Moreover, the retail market responds regularly to scattered small vacancies as part of the normal business cycle, so vacancy of any smaller retail space is far less likely to lead to urban decay.

The following analysis looks at five points in time corresponding to the assumed construction completion date for each of the phases that includes retail: Phase 1 in 2019, Phase 2 in 2020, Phase 3 in 2021, Phase 4 in 2023, and finally, Phase 7 in 2029. In 2029, the project has reached its maximum buildout; since population will continue to increase, along with retail spending power, it is assumed that any impacts on sales that could result in urban decay will decline in later years.[10] As a result, it is not necessary to take the urban decay analysis out to a point in time beyond 2029.

Each of these years considered represents a point in time where a new retail project component could result in additional impacts on existing retailers. Selecting multiple points in time subsequent to the initial retail phase also allows the analysis to take into account subsequent population growth and resulting increases in consumer retail spending over the development period. Even if a project initially causes retail vacancies due to increased competition, recovery and growth over time would provide strong

[10] Long-term population projections as shown in Table 5 above indicate that the population of the Market Area will continue to grow in the years following the completion of the final phase of the Scheme B Variant in 2029, and thus the area will show continued increases in retail spending based on current per capita expenditure patterns. As shown in the impact analysis below (see Table 18 for the project alone and Table 19 for the cumulative analysis), increases in retail spending as the population of the Market Area grows indicate that retail spending in 2029 would be strong enough to support the project alone or with other reasonably foreseeable projects in 2029 along with existing retail outlets; further increases in population and retail spending after 2029 would only serve to increase sales at existing retail outlets along with the project and other reasonably foreseeable competitive projects.

incentives for owners to maintain vacated properties in good condition such that they are suitable for re-tenanting, even if there is some amount of lag time in the reuse process. Thus, if sales in existing outlets return to current or near-current levels within a few years, the likelihood is that a vacant space would be kept in good order by the owner through the recovery period, or re-tenanted within a reasonable amount of time such that property owners would maintain their properties and not allow them to fall into disrepair. At the same time, any store closures would not necessarily result immediately upon the opening of the Proposed Project, but if they occur at all, would occur over a period of several years as competing businesses determine whether they can survive in a more competitive economic climate, taking into account long-term growth that could overcome any short-term losses. In the event an existing retail store is already operating at or near its margins or is otherwise struggling to stay open, the addition of a competitor to the marketplace could lead the store to close sooner than it would otherwise have done so. Beyond 2029, the potential entry of other retailers, changes in consumer shopping patterns, general economic conditions, and other factors would make any attempt at an urban decay analysis highly speculative.

Estimated Sales at Project Opening

BAE has made an estimate of the sales performance of the retail component of the Proposed Project, as shown in Table 14. The Proposed Project is estimated to achieve total annual sales of approximately $43.5 million in 2019, increasing to $555 million in 2020 as the major retail phase in the City Place component is completed, $641 million in 2021, $656 million in 2023, and finally to $863 million in 2029 as the power center is completed.

These sales estimates are conservatively based on stabilized operations at full performance levels; it is possible that early years would see lower levels of sales as the project reached stabilized benchmark performance levels, and thus impacts in early years of operation could be less than estimated here.

Table 14: Estimated Retail Sales in Proposed Project

Project Phase	Completion Date (a)	Square Feet (a)	Annual Sales per SF (b)	Estimated Sales in Proposed Project
Phase 1	***2019***			
Inline Retail/F&B		87,000	$500	$43,500,000
Phase 2	***2020***			
Anchor/Mini Anchor		330,000	$500	$165,000,000
Inline Retail/F&B		693,470	$500	$346,735,000
Subtotal Retail, Phase 2				*$511,735,000*
Phase 3	***2021***			
Inline Retail/F&B		172,030	$500	$86,015,000
Phase 4	***2023***			
Inline Retail/F&B		29,500	$500	$14,750,000
Phase 7	***2029***			
Retail (Power Center)		519,000	$400	$207,600,000
Total Retail		**1,744,000**		**$863,600,000**

All sales estimates in 2013 dollars. Total sales rounded to nearest hundred thousand.
(a) Per latest site plan and proposed phasing available at time of analysis. According to Related, "the actual sequence of construction will occur in response to market forces."
(d) Based on BAE experience and analysis of a broad range of sources including company annual reports.

Source: Bay Area Economics, 2015, based on information from various company annual reports, Urban Land Institute (ULI)/International Council of Shopping Centers, and Hinderliter de Llamas & Associates.

Potential Capture of Leakage by Proposed Project

As discussed previously, the Market Area shows small or modest leakages of retail sales across multiple retail categories (see Table 13 above). Given the developer's vision of the project, some of the major store categories are unlikely tenants for the project, including motor vehicles/parts and gasoline stations. The analysis here assumes no capture of retail sales leakage in these two categories. Building materials and garden equipment and supplies could be present in the form of a home center such as Home Depot, but only in the Phase 7, which is assumed to be development of a power center. Capture of leakage in this category therefore is only assumed in this phase.

Since the project may include retailers not currently present in the Market Area (e.g., a major department store not currently located in the area), and integrates a number of uses in an attractive setting differentiated from current retail offerings in the Market Area, it is assumed that the project will recapture some of the retail dollars currently leaking out of the area. However, this capture will be limited since there may be other retail types not present in the Market Area that are not likely to be in the Proposed Project (e.g., the Gilroy Premium Outlets). Furthermore, since the Market Area is not physically separated from other population centers up the Peninsula and in Alameda County, some residents in the farther reaches of the Market Area are likely to continue shopping elsewhere. It is thus unrealistic to expect that the City Center would attract a large proportion of the leakages. As shown in Table 15, capture has been conservatively capped at only 2.5 percent for any category. To the extent that the Project could capture additional leakages, impacts on other retail development in Market Area might be less than estimated in the analysis here. For the small Phase 1 component slated for completion in 2019, no leakage capture is assumed. Capture of leakage is assumed beginning with Phase 2, which has the largest retail component, with overall capture of $42.2 million in sales, increasing to $42.8 million in 2021 and $43.6 million in 2023. In Phase 7 in 2029, the year the power center is assumed to be completed, additional sales leakage capture in the building materials sector is assumed, with a total leakage capture of $47.5 million. It is important to note that this only represents the sales recaptured from leakage, not the total retail sales for the Proposed Project. Impacts from this limited leakage recapture would be spread among the broad range of retail outlets beyond the Market Area, and thus would be unlikely to result in closure or resulting urban decay impacts.

Table 15: Estimates of Sales Leakage Capture

2019

Store Category	Injection/ (Leakage) (a)	Leakage Capture, Proposed Project	Additional Captured Sales (a)
Motor Vehicle and Parts Dealers	$221,300,000	0.0%	$0
Home Furnishings and Appliance Stores	($261,700,000)	0.0%	$0
Bldg. Matrl. and Garden Equip. & Supplies	($48,300,000)	0.0%	$0
Food and Beverage Stores	($4,600,000)	0.0%	$0
Gasoline Stations	($160,100,000)	0.0%	$0
Clothing & Clothing Accessories Stores	($570,900,000)	0.0%	$0
General Merchandise Stores	($244,700,000)	0.0%	$0
Food Services and Drinking Places	($142,300,000)	0.0%	$0
Other Retail Group	($448,800,000)	0.0%	$0
Total, 2019	**($1,660,100,000)**		**$0**
Excluding Autmotive-Related	**($1,721,300,000)**		

2020

Store Category	Injection/ (Leakage) (a)	Leakage Capture, Proposed Project	Additional Captured Sales (a)
Motor Vehicle and Parts Dealers	$223,700,000	0.0%	$0
Home Furnishings and Appliance Stores	($264,600,000)	2.5%	$6,600,000
Bldg. Matrl. and Garden Equip. & Supplies	($48,800,000)	0.0%	$0
Food and Beverage Stores	($4,700,000)	2.5%	$100,000
Gasoline Stations	($161,900,000)	0.0%	$0
Clothing & Clothing Accessories Stores	($577,300,000)	2.5%	$14,400,000
General Merchandise Stores	($247,500,000)	2.5%	$6,200,000
Food Services and Drinking Places	($143,900,000)	2.5%	$3,600,000
Other Retail Group	($453,800,000)	2.5%	$11,300,000
Total, 2020	**($1,678,800,000)**		**$42,200,000**
Excluding Autmotive-Related	**($1,740,600,000)**		

2021

Store Category	Injection/ (Leakage) (a)	Leakage Capture, Proposed Project	Additional Captured Sales (a)
Motor Vehicle and Parts Dealers	$226,000,000	0.0%	$0
Home Furnishings and Appliance Stores	($267,300,000)	2.5%	$6,700,000
Bldg. Matrl. and Garden Equip. & Supplies	($49,300,000)	0.0%	$0
Food and Beverage Stores	($4,700,000)	2.5%	$100,000
Gasoline Stations	($163,500,000)	0.0%	$0
Clothing & Clothing Accessories Stores	($583,100,000)	2.5%	$14,600,000
General Merchandise Stores	($250,000,000)	2.5%	$6,300,000
Food Services and Drinking Places	($145,400,000)	2.5%	$3,600,000
Other Retail Group	($458,400,000)	2.5%	$11,500,000
Total, 2021	**($1,695,700,000)**		**$42,800,000**
Excluding Motor Vehicles and Parts	**($1,758,200,000)**		

(Continued on following page)

Table 15, continued: Estimates of Sales Leakage Capture

2023

Store Category	Injection/ (Leakage) (a)	Leakage Capture, Proposed Project	Additional Captured Sales (a)
Motor Vehicle and Parts Dealers	$230,600,000	0.0%	$0
Home Furnishings and Appliance Stores	($272,800,000)	2.5%	$6,800,000
Bldg. Matrl. and Garden Equip. & Supplies	($50,300,000)	0.0%	$0
Food and Beverage Stores	($4,800,000)	2.5%	$100,000
Gasoline Stations	($166,800,000)	0.0%	$0
Clothing & Clothing Accessories Stores	($595,000,000)	2.5%	$14,900,000
General Merchandise Stores	($255,100,000)	2.5%	$6,400,000
Food Services and Drinking Places	($148,300,000)	2.5%	$3,700,000
Other Retail Group	($467,700,000)	2.5%	$11,700,000
Total, 2023	**($1,730,200,000)**		**$43,600,000**
Excluding Motor Vehicles and Parts	**($1,794,000,000)**		

2029

Store Category	Injection/ (Leakage) (a)	Leakage Capture, Proposed Project	Additional Captured Sales (a)
Motor Vehicle and Parts Dealers	$245,000,000	0.0%	$0
Home Furnishings and Appliance Stores	($289,800,000)	2.5%	$7,200,000
Bldg. Matrl. and Garden Equip. & Supplies	($53,400,000)	2.5%	$1,300,000
Food and Beverage Stores	($5,100,000)	2.5%	$100,000
Gasoline Stations	($177,200,000)	0.0%	$0
Clothing & Clothing Accessories Stores	($632,100,000)	2.5%	$15,800,000
General Merchandise Stores	($271,000,000)	2.5%	$6,800,000
Food Services and Drinking Places	($157,600,000)	2.5%	$3,900,000
Other Retail Group	($496,900,000)	2.5%	$12,400,000
Total, 2029	**($1,838,100,000)**		**$47,500,000**
Excluding Motor Vehicles and Parts	**($1,905,900,000)**		

Notes:
Project is envisioned as a regional retail/restaurant/entertainment destination, thus is likely to capture some of the Market Area leakage across a range of categories. However, the amounts are assumed to be minimal here relative to the total estimated leakage.
(a) Leakages and captures have been rounded to nearest $100,000.

Source: Bay Area Economics 2015, based on data from Nielsen, CA Department of Finance, CA State Board of Equalization, U.S. Census of Retail Trade, 2007, and ABAG.

Capture of Sales from Outside the Market Area

While the Market Area will likely account for the majority of shoppers for the Proposed Project, market area boundaries are not absolute, and additional shoppers will be attracted from outside this defined Market Area. This is especially true for this Proposed Project, due to its location near the new Levi's Stadium, the Great America Amusement Park, and the Santa Clara Convention Center. All of these venues will attract visitors from outside the Market Area who may also visit nearby retail, restaurant, and entertainment at City Place as part of their trip.

However, even these regional draws will attract a large proportion of their visitors from within the Market Area. For ease of analysis here, all the visitors from outside the Market Area are assumed to reside elsewhere in the Bay Area, with per capita retail expenditures at Bay Area levels, as shown in Table 12 above. Capture from these residents at City Place is set at only 0.05% of their expenditures beginning with Phase 2[11], totaling $38.6 million in 2019 (see Table 16). This estimate is based in part on a review of a study of the economic impacts of the stadium conducted as part of the planning process in 2007, which estimated offsite food, entertainment, and retail expenditures of approximately $27 million by attendees of football games and other events at the stadium.[12] Additional expenditures would be generated by amusement park visitors and convention guests, as well as by non-Market Area residents (such as in-commuting employees in office parks in the project and nearby) who simply choose to shop at City Place due to its proximity to work or its particular mix of shops, entertainment, and dining.

Table 16: Calculation of Sales in Project Generated from Other Bay Area Residents

Year	Estimated New Sales in Proposed Project (a)	$ Capture from Leakage (b)	$ Capture from Outside Market Area (c)	$ Capture from Existing Outlets
2019	$43,500,000	$0	$0	$43,500,000
2020	$555,235,000	$42,200,000	$27,700,000	$485,335,000
2021	$641,250,000	$42,800,000	$27,900,000	$570,550,000
2023	$656,000,000	$43,600,000	$28,400,000	$584,000,000
2029	$863,600,000	$47,500,000	$32,400,000	$783,700,000

Notes:
(a) Based on per capita retail expenditures for Bay Area residents, as shown in Table 12. Figure for 2019 through 2023 excludes the motor vehicle sector, building materials, and gasoline stations. Building materials has been added for 2029 due the potential for a home center or other building materials outlet in Phase 7 of the project.
(b) Population = Bay Area less Market Area.
(c) Total expenditures = per capita expenditures times population. Rounded to nearest hundred thousand.
(d) See text for discussion of capture rate.
(e) Total expenditures times capture rate.

Source: Bay Area Economics, 2015 based on information from the CA State Board of Equalization, Nielsen, Census of Retail Trade, Related, and other sources as noted in supporting tables and appendices.

Table 17 summarizes the Proposed Project's impact on sales in existing outlets in the Market Area, factoring out the capture of retail sales from leakage and from persons residing outside the Market Area. In 2019, it is estimated that the Proposed Project

[11] Because of the limited retail constructed as part of Phase 1, it is conservatively assumed that there is no capture of sales from outside the Market Area.
[12] *The Economic Impact of a Proposed New Stadium on the Santa Clara County Economy*, John E. Connaughton, PhD, and Alain A. Krapl, MS, June 4, 2007.

would take $43.5 million in sales that would otherwise go to existing retailers in the Market Area, rising to $485 million in 2020 with the opening of Phase 2, increasing to $571 million in 2021 and $584 million in 2023, and finally to $784 million in 2029 when the retail in Phase 7 is assumed to commence operations.

Table 17: Capture of Sales from Leakage and from Outside Market Area

Year	Estimated New Sales in Proposed Project (a)	$ Capture from Leakage (b)	$ Capture from Outside Market Area (c)	$ Capture from Existing Outlets
2019	$43,500,000	$0	$0	$43,500,000
2020	$555,235,000	$42,200,000	$27,700,000	$485,335,000
2021	$641,250,000	$42,800,000	$27,900,000	$570,550,000
2023	$656,000,000	$43,600,000	$28,400,000	$584,000,000
2029	$863,600,000	$47,500,000	$32,400,000	$783,700,000

(a) From Table 14.
(b) From Table 15.
(c) From Table 16.

Source: Bay Area Economics, 2015, based on information from the CA State Board of Equalization, Nielsen, Census of Retail Trade, State Department of Finance, and other sources as noted in supporting tables and appendices.

Change in Sales in Existing Market Area Outlets from Baseline Levels

Table 18 below evaluates the sales in the project relative to existing sales and the estimated capture from existing retail outlets in the Market Area, taking into account population growth and an increase in the overall market. Projected Baseline 2015 sales in existing outlets are shown, followed by projected sales in existing outlets in 2019, 2020, 2021, 2023, and 2029 assuming the Proposed Project does not get built. In such a scenario, estimated sales would be presumed to increase proportionally as the population increases; the analysis here assumes that new residents will have the same spending patterns as current residents.

While the Proposed Project is assumed to capture some sales from leakages to retail outlets outside of the Market Area, and from persons not residing in the Market Area, most of its sales would have otherwise gone to existing competitive outlets in the Market Area. Table 18 provides estimates of the level of capture for the key retail categories assumed for the Proposed Project. The analysis indicates that due to continued increases in population, sales at existing outlets would be above 2015 baseline levels as early as 2019, even with the project phases opening according to the

currently forecast schedule. By 2029, with the retail phases of the Proposed Project complete and operating at stabilized levels, sales in existing retail outlets in the Market Area would be $2.5 billion, or 12 percent, above baseline 2015 levels. This finding indicates that even with the Proposed Project in place, overall retail spending in existing outlets would be higher than current levels.

In summary, the combination of the potential for the Proposed Project to recapture local consumer expenditures leaking from the Market Area, the limited capture of sales from outside the Market Area, and, most importantly, the overall increase in retail demand in the Market Area as the population grows, indicates that the Proposed Project alone would not lead to long-term closure of existing retail outlets or significant urban decay.

Table 18: Net Change from Baseline Sales at Existing Retail Outlets in the Market Area

	Existing Conditions (No Proposed Project)		Proposed Project in Place			
	Estimated Baseline Sales in Existing Outlets (a)	Projected Sales in Existing Outlets, 2019 (b)	Projected $ Capture from Existing Outlets (c)	Projected Sales in Existing Outlets, 2019 (d)	Projected Change in Sales, Existing Outlets, 2015-2019 (e)	Projected % Change in Sales, Existing Outlets, 2015-2019 (f)
2019	$19,311,200,000	$20,184,100,000	$43,500,000	$20,140,600,000	$829,400,000	4%
	Existing Conditions (No Proposed Project)		**Proposed Project in Place**			
	Estimated Baseline Sales in Existing Outlets (a)	Projected Sales in Existing Outlets, 2020 (b)	Projected $ Capture from Existing Outlets (c)	Projected Sales in Existing Outlets, 2020 (d)	Projected Change in Sales, Existing Outlets, 2015-2020 (e)	Projected % Change in Sales, Existing Outlets, 2015-2020 (f)
2020	$19,311,200,000	$20,408,400,000	$485,335,000	$19,923,065,000	$611,865,000	3%
	Existing Conditions (No Proposed Project)		**Proposed Project in Place**			
	Estimated Baseline Sales in Existing Outlets (a)	Projected Sales in Existing Outlets, 2021 (b)	Projected $ Capture from Existing Outlets (c)	Projected Sales in Existing Outlets, 2021 (d)	Projected Change in Sales, Existing Outlets, 2015-2021 (e)	Projected % Change in Sales, Existing Outlets, 2015-2021 (f)
2021	$19,311,200,000	$20,615,300,000	$570,550,000	$20,044,750,000	$733,550,000	4%
	Existing Conditions (No Proposed Project)		**Proposed Project in Place**			
	Estimated Baseline Sales in Existing Outlets (a)	Projected Sales in Existing Outlets, 2023 (b)	Projected $ Capture from Existing Outlets (c)	Projected Sales in Existing Outlets, 2023 (d)	Projected Change in Sales, Existing Outlets, 2015-2023 (e)	Projected % Change in Sales, Existing Outlets, 2015-2023 (f)
2023	$19,311,200,000	$21,035,400,000	$584,000,000	$20,451,400,000	$1,140,200,000	6%
	Existing Conditions (No Proposed Project)		**Proposed Project in Place**			
	Estimated Baseline Sales in Existing Outlets (a)	Projected Sales in Existing Outlets, 2029 (b)	Projected $ Capture from Existing Outlets (c)	Projected Sales in Existing Outlets, 2029 (d)	Projected Change in Sales, Existing Outlets, 2015-2029 (e)	Projected % Change in Sales, Existing Outlets, 2015-2029 (f)
2029	$21,005,800,000	$24,308,700,000	$783,700,000	$23,525,000,000	$2,519,200,000	12%

All sales in 2013 dollars.
(a) Estimated sales current year. Derived from Table 13, and rounded to nearest hundred thousand.
(b) Appendix D. Represents sales without Proposed Project in place, based on current per capita spending levels and increases in population. Numbers rounded to nearest hundred thousand.
(c) From Table 17.
(d) Sales in existing outlets with no proposed project less capture with project in place. Represents estimated sales in existing outlets in Market Area with Proposed Project's relevant phases open and operating at stabilized levels.
(e) Change in sales at existing outlets from baseline (2015) conditions with project in place. Based on sales in existing outlets in the given year (2019, 2020, 2021, 2023, or 2029) with project in place less baseline sales.
(f) Percent change in sales in existing outlets from 2015 baseline, if Proposed Project is in operation.

Source: Bay Area Economics, 2015, based on information from the CA State Board of Equalization, Nielsen, Census of Retail Trade, State Department of Finance, and other sources as noted in supporting tables and appendices.

Cumulative Impacts

While the analysis indicates that the economic impacts of the project alone would not result in significant urban decay impacts per CEQA, the cumulative analysis for the proposed project must take into account other reasonably foreseeable projects in the Market Area or elsewhere that might, in combination with the Proposed Project, result in cumulatively significant economic and urban decay impacts. To be considered in the cumulative analysis are projects which have been approved but not yet completed, and projects for which development applications have been filed, and may also include other potential projects which may have been announced but not yet formally proposed to the approving agency. Given the size of the Market Area, any planned projects beyond its boundaries would have diffused impacts relative to the size of the Market Area's current inventory, and thus would be unlikely to have substantial cumulative impacts linked to the Proposed Project, since the sales would largely come from outside the Market Area.

As with the project analysis, the cumulative analysis for urban decay assesses impacts as of the assumed completion date of the five project phases with retail components with the last Phase slated for completion in 2029. In 2029, the project has reached its maximum buildout; since population will continue to increase after that date, along with retail spending power, and there are it is assumed that all the reasonably foreseeable projects will be open by the time Phase 1 is completed in 2019, any impacts on sales that could result in urban decay will decline in later years. As a result, it is not necessary to assess cumulative urban decay impacts at a point in time past 2029.

Planned and Proposed Developments

Appendix E provides information gathered from Market Area jurisdictions regarding other reasonably foreseeable retail development projects. Within the Market Area but excluding the Proposed Project, BAE found approximately 5.2 million square feet of reasonably foreseeable non-automotive retail in the pipeline.[13]

It is assumed here that these projects are all completed prior to the opening of the first phase of City Place in 2019, in which case the Market Area would have to absorb this additional square footage as well as the Proposed Project by that time. To the extent these projects are delayed beyond that time, or the Proposed Project is delayed, impacts will be less due to population-generated growth in retail demand in the Market Area.

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[13] For some projects, the square footage of the proposed project is not yet known. Generally, these projects may not be as far along in the planning process.

Analysis

The planned and proposed retail development includes a broad mix of project types, ranging from small grocery store additions to additional mall anchor spaces. Only some of this space would be directly competitive with the Proposed Project, but all of it would represent additions to the regional retail inventory. It should be noted, however, that some of this space is still somewhat speculative, and may be delayed past 2019, or never built, depending on market conditions and other factors, thus potentially lessening the Project's contribution to a cumulative impact.

It is also important to note that the analysis is benchmarked to 2012-2013 taxable sales data, the most recently published annual data available. More recent quarterly data indicate a continuing strong recovery; total taxable retail sales in Santa Clara County in the first six months of 2013 were 8.4 percent above those in the first six months of 2012. These findings indicate that the analysis here based on a baseline of the last two quarters of 2012 and the first two quarters of 2013 is likely conservative and underestimates current sales relative to baseline data.

Table 19 assesses the cumulative impacts of all the reasonably foreseeable planned and proposed competitive retail space in the Market Area, as specified above. Under the assumed scenario, the total new space including the Proposed Project would capture an estimated 4.9 percent of baseline retail sales in the Market Area in 2019; this would increase slightly to 5.8 percent in 2020, as the substantial square footage of Phase 2 in the City Center is completed, followed by a gradual decrease to 5.2 percent in 2021 and 3.0 percent in 2023 as the population of the Market Area continued to grow. By 2029 and beyond, the assumed first year of operation of the final retail phase of the project, demand would be such that sales at existing outlets would be slightly above estimated 2015 baseline levels. At that time, estimated sales in the Proposed Project would be equivalent to approximately four percent of the 2029 sales in the baseline projects.

One key assumption in this analysis is that the phases of the Proposed Project are open and fully operating at stabilized sales levels in the opening year. To the extent that lease up is gradual, and sales take more time to reach stabilized levels, the analysis here may overstate impacts in early years.

The cumulative analysis indicates that the potential for long-term declines in sales in existing retail outlets overall is limited. Overall, increasing retail demand in the Market Area and nearby areas is large enough over the long term to absorb reasonably foreseeable planned and proposed projects without significant impacts. Furthermore, both the Proposed Project and the other planned projects may delay construction or cut back on the amount of retail space if market conditions indicate an oversupply of space. For instance, the developers of the Town Center project in Sunnyvale, long delayed due

to economic and legal issues, are reportedly seeking a reduction in the overall retail space planned for the project.[14] In addition, many of the planned projects, including the Sunnyvale Town Center, involve tearing down existing retail space considered to be functionally obsolete and replacing it with mixed use projects with new retail space. Three recent and ongoing examples of this in the area are the San Antonio Marketplace in Mountain View, where a vacated Sears has been replaced by a mix of retail and residential uses in new structures; the Santa Clara Town Centre, where a closed Mervyn's has been replaced by a Target and other retail; and the Homestead Square Shopping Center in Cupertino, where the center is in the process of replacing much of its space with newer updated space, including a new Safeway and a Rite-Aid. Finally, while plans have not yet been finalized, the Vallco Shopping Center, an aging center in Cupertino in decline, was recently consolidated under one owner with plans to redevelop the project in a mix of uses.[15] These projects are strong evidence that older and functionally obsolete retail spaces are not being abandoned in the Market Area, but instead the properties are being improved, in some cases through changes in land use that reduce the area's total retail inventory.

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[14] "Sunnyvale aims for influence on stalled Town Center," Nathan Donato-Weinstein, *Silicon Valley Business Journal*, November 12, 2014, http://www.bizjournals.com/sanjose/news/2014/10/01/sunnyvale-aims-for-influence-on-stalled-town.html, accessed December 30, 2014.

[15] "Vallco finally under single ownership — Pau's Sand Hill lands last piece of mall puzzle," Nathan Donato-Weinstein, *Silicon Valley Business Journal*, November 12, 2014, http://www.bizjournals.com/sanjose/news/2014/11/12/vallco-finally-under-single-ownership-paus-sand.html, accessed December 30, 2014.

Table 19: Cumulative Sales Impacts in the Market Area

All dollar amounts in thousands		Square Feet in 000s	Sales per SF	Estimated 2019	Estimated 2021	Estimated 2021	Estimated 2023	Estimated 2029	Line #
Proposed Project Sales	(a)			$43,500	$555,235	$641,250	$656,000	$863,600	1
$ Capture from Existing Outlets	(b)			($43,500)	($485,335)	($570,550)	($584,000)	($783,700)	2
Sales in Additional Projects									
Total New Retail Sales in Additional Proposed Projects	(c)	5,200	$450	$2,340,000	$2,340,000	$2,340,000	$2,340,000	$2,340,000	3
Baseline Leakages	(d)			($1,721,300)	($1,740,600)	($1,758,200)	($1,794,000)	($1,905,900)	4
Capture of Leakage by Additional Projects			10%	($172,130)	($174,060)	($175,820)	($179,400)	($190,590)	5
Capture of Sales fr Outside Market Area by Additional Projects			10% (e)	($234,000)	($234,000)	($234,000)	($234,000)	($234,000)	6
Capture for Additional Proposed Projects from Market Area Total	(f)			($1,933,870)	($1,931,940)	($1,930,180)	($1,926,600)	($1,915,410)	7
Net Change for Existing Market Area Outlets in Given Year	(g)			($1,977,370)	($2,417,275)	($2,500,730)	($2,510,600)	($2,699,110)	8
Baseline Sales in Existing Outlets	(h)			$21,955,202	$22,199,193	$22,424,237	$22,881,199	$24,308,720	9
Estimated Baseline 2015 Sales Existing Outlets	(i)			$21,005,770	$21,005,770	$21,005,770	$21,005,770	$21,005,770	10
Change from Baseline Year 2015	(j)			$949,432	$1,193,423	$1,418,467	$1,875,429	$3,302,950	11
Net Change from Baseline Sales	(k)			($1,027,938)	($1,223,852)	($1,082,263)	($635,171)	$603,840	12
% Loss of Sales in Existing Market Area Outlets due to Proposed Projects	(l)			-4.9%	-5.8%	-5.2%	-3.0%	2.9%	13

All sales estimates in 2013 dollars, rounded to nearest thousand dollars.
(a) From Table 17.
(b) From Table 18.
(c) Square footage from Appendix E. Sales per square foot based on assuming a broad mix of retail types.
(d) From Table 15.
(e) Some of the additional projects are located near Market Area boundaries, and are thus likely to draw some of their customer base from outside the Market Area.
(f) Lines 3, 5, and 6.
(g) Lines 2 and 7.
(h) From Appendix D.
(i) From Appendix D
(j) Line 9 less line 10.
(k) Lines 8 and 11.
(l) Line 12 divided by line 10.

Source: Bay Area Economics, 2015, based on information from the jurisdictions in Market Area, State Board of Equalization, 2007 Census of Retail Trade, State Department of Finance, Nielsen, Related, and other sources as cited in supporting tables.

Findings Regarding Urban Decay

As stated in the above Summary of this study, urban decay depends on a causal chain as follows:

- The project results in an economic impact so severe that stores might close as a result;
- Buildings and/or properties, rather than being reused within a reasonable time, would remain vacant;
- Such vacancies would be significant enough in duration to cause the buildings and/or properties to deteriorate; and
- Deterioration would occur on a substantial scale (i.e., in terms of the total square footage affected and/or the loss of key "anchor" tenants) that the physical decline of the associated or nearby real estate could have a significant effect on the physical environment. Physical deterioration includes, but is not limited to, abandoned buildings and commercial sites, boarded doors and windows, long-term unauthorized use of properties and parking lots, extensive gang or offensive graffiti painted on buildings, dumping of refuse or overturned dumpsters on properties, dead trees or shrubbery, extensive litter, uncontrolled weed growth, and homeless encampments.

Proposed Project Alone

The analysis here finds that that even with the Proposed Project in place, the growth in population in the Market Area should result in increased retail demand such that existing retailers would still have sales above baseline 2015 levels with each and all retail phases of the Proposed Project in place (see discussion and Table 18 above). While some adjustments could occur that could lead to closure of some retail outlets directly competitive with City Place, overall demand for space is strong enough that vacant space could be re-tenanted in the short term, or redeveloped in a newer retail format or in other uses such as housing. Therefore, the Proposed Project would not result in urban decay.

Cumulative Impacts

Based on the above analysis, BAE finds that there are no significant urban decay impacts attributable to the Proposed Project along with other reasonably foreseeable projects. There is the potential for a temporary reduction in sales at existing retail businesses within the Market Area in the next decade, but impacts will decrease over time, and by 2029 (the assumed opening year of City Place's final retail phase), sales will have recovered to above baseline levels. It is not possible to state with certainty that particular retail locations are going to be impacted by store closures in the interim, because the existing retailers can adjust their marketing strategies in response to new competition in such a way as to lessen losses; furthermore, the specific retail tenants

and retail mix of the Proposed Project, and thus the particular retail locations that might be impacted, are not yet known. In fact, since over the long term the losses dissipate, existing retail businesses on the whole could likely survive without closure. Furthermore, properties that become vacant may see conversion to other land uses, for instance to meet demand for additional housing. Beyond the Market Area, impacts are likely to be diffused across a wide area such that impacts will not be significant.

BAE's own observations show that commercial and retail properties in the Market Area, including vacant properties, are generally well maintained. BAE found little evidence of blighted retail buildings marred by broken windows, graffiti, rubbish, overgrown vegetation, or other indicators of urban decay. This suggests that both property owners and local governments are vigilant about preventing physical deterioration of the community. As noted above, the potential for urban decay is also lessened by the probability of market corrections as future conditions evolve. Retail spaces, including those in the Proposed Project, are often planned for development speculatively without commitment from potential tenants, even if approvals have been obtained. Without those commitments before breaking ground, however, developers may either cancel or delay projects, often due to the inability to obtain financing. In the absence of those commitments, the Proposed Project and other projects may not move forward on the schedule assumed here, and projects may be delayed until market conditions improve. Failure to construct a retail property on the original schedule does not constitute urban decay.

As noted above, recently constructed retail projects in the Market Area as well as many of the proposed projects involve the demolition of existing retail buildings and their replacement with newer buildings and tenants more suited for current and future market trends. Furthermore, the Market Area is largely built out with limited potential for "greenfield" development, and many older properties of all types in the region are being replaced, ranging from small bungalows being replaced with "McMansions" to aging tilt-wall industrial buildings being replaced with multi-story office buildings more suited for today's Silicon Valley market. In fact, the majority of the space in the Proposed Project consists of office space to meet anticipated demand.

In the event of closures due to short-term (or long-term) declines, in any market there are often retailers and other "second generation" tenants such as fitness centers trying to enter the market; these prospective tenants see vacant spaces, even large ones, as an opportunity. For example, Kohl's has chosen to reuse vacant Mervyn's spaces in many markets, including Mountain View, and as noted above, Target reused the site formerly occupied by the Mervyn's in Santa Clara. The former Expo Design Center in south San Jose has been re-tenanted by Walmart. Circuit City stores in a number of cities have been re-tenanted, including Sunnyvale (Sprouts), San Jose (Walmart

Neighborhood Market on Stevens Creek and Fresco Supermarket in east San Jose), East Palo Alto (Mi Pueblo Market), and Fremont (Nordstrom Rack).

As the leakage analysis indicates, there may be "gaps" in the retail mix including especially home furnishings and appliances, clothing and clothing accessory stores, and specialty retail. As long as there are opportunities for reuse of properties through re-tenanting of spaces or redevelopment in other uses, property owners are likely to continue to maintain vacated buildings to keep them available in the market, or otherwise redevelop the properties (in either retail or other uses) to meet changing market conditions, and the area will avoid significant urban decay.

APPENDICES

Appendix A: Retail Sales Trends, 2003 to 2013

Santa Clara City Taxable Retail Sales Trends, 2003-2008

Sales in 2013 $000 (a) (b) (c)	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Motor Vehicles and Parts	$685,860	$696,675	$663,584	$691,132	$675,339	$497,829
Home Furnishings and Appliances	$164,790	$166,082	$158,549	$142,284	$126,922	$118,313
Building Materials	$119,309	$137,790	$137,560	$145,264	$135,874	$94,954
Food Stores	$73,685	$74,749	$72,870	$71,595	$73,041	$72,051
Service Stations	$115,222	$129,887	$146,046	$169,179	$178,908	$186,210
Apparel Stores	$55,200	$74,057	$85,349	$84,115	$82,745	$70,636
General Merchandise Stores	$280,827	$270,568	$264,633	$297,108	$256,415	$238,576
Eating and Drinking Places	$233,109	$252,409	$265,493	$300,446	$302,757	$308,923
Other Retail Stores	$373,502	$414,360	$479,203	$449,430	$371,921	$285,966
Retail Stores Total	**$2,101,504**	**$2,216,577**	**$2,273,288**	**$2,350,554**	**$2,203,922**	**$1,873,458**

Sales per Capita in 2013 $ (d)	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Motor Vehicles and Parts	$6,558	$6,553	$6,198	$6,355	$6,056	$4,415
Home Furnishings and Appliances	$1,576	$1,562	$1,481	$1,308	$1,138	$1,049
Building Materials	$1,141	$1,296	$1,285	$1,336	$1,219	$842
Food Stores	$705	$703	$681	$658	$655	$639
Service Stations	$1,102	$1,222	$1,364	$1,556	$1,604	$1,651
Apparel Stores	$528	$697	$797	$773	$742	$626
General Merchandise Stores	$2,685	$2,545	$2,472	$2,732	$2,300	$2,116
Eating and Drinking Places	$2,229	$2,374	$2,480	$2,763	$2,715	$2,740
Other Retail Stores	$3,571	$3,897	$4,476	$4,133	$3,335	$2,536
Retail Stores Total	**$20,095**	**$20,848**	**$21,234**	**$21,614**	**$19,765**	**$16,615**
Population	104,579	106,319	107,058	108,749	111,507	112,760

(a) Retail sales have been adjusted to 2013 dollars based on the Bay Area Consumer Price Index, based on data from the U.S. Bureau of Labor Statistics. At the beginning of 2007, SBOE made some minor changes to their classification system, thus year-to-year comparisons with previous years should be made with caution. 2009 and later data presented in a separate table due to major change in categorization scheme, such that data are not fully comparable with earlier years.
(b) Analysis excludes all non-retail outlets (business and personal services) reporting taxable sales.
(c) A "#" sign indicates data unavailability for the category due to SBOE confidentiality rules that suppress data when there are four or fewer outlets or sales in a category dominated by one store. Suppressed sales have been combined with Other Retail Stores.
(d) Per capita sales calculated based on sales divided by population. 2000 and 2010 population from U.S. Census; estimates for other years from CA State Dept. of Finance.

Sources: 2000 & 2010 U.S. Census; State Dept. of Finance; State Board of Equalization; U.S. Bureau of Labor Statistics; BAE, 2014.

Santa Clara City Taxable Retail Sales Trends, 2009-2013

Sales in 2013 $000 (a) (b) (c)	**2009**	**2010**	**2011**	**2012**	**3Q12-2Q13**
Motor Vehicle and Parts Dealers	$446,416	$499,712	$580,620	$644,540	$636,311
Home Furnishings and Appliance Stores	$171,465	$205,673	$203,842	$189,360	$201,561
Bldg. Matrl. and Garden Equip. & Supplies	$76,294	$68,946	$76,552	$75,503	$76,722
Food and Beverage Stores	$89,534	$87,714	$88,001	$88,024	$89,647
Gasoline Stations	$133,793	$156,989	$179,515	$182,068	$173,675
Clothing & Clothing Accessories Stores	$81,581	$82,747	$74,202	$75,587	$75,738
General Merchandise Stores	$183,638	$206,050	$201,636	$208,201	$207,283
Food Services and Drinking Places	$278,484	$289,975	$306,541	$319,660	$324,445
Other Retail Group	$137,432	$133,585	$136,256	$139,698	$142,911
Retail Stores Total	**$1,598,635**	**$1,731,393**	**$1,847,163**	**$1,922,640**	**$1,928,293**

Sales per Capita in 2013 $ (d)	**2009**	**2010**	**2011**	**2012**	**3Q12-2Q13**
Motor Vehicle and Parts Dealers	$3,889	$4,291	$4,921	$5,433	$5,329
Home Furnishings and Appliance Stores	$1,494	$1,766	$1,728	$1,596	$1,688
Bldg. Matrl. and Garden Equip. & Supplies	$665	$592	$649	$636	$642
Food and Beverage Stores	$780	$753	$746	$742	$751
Gasoline Stations	$1,165	$1,348	$1,521	$1,535	$1,454
Clothing & Clothing Accessories Stores	$711	$710	$629	$637	$634
General Merchandise Stores	$1,600	$1,769	$1,709	$1,755	$1,736
Food Services and Drinking Places	$2,426	$2,490	$2,598	$2,695	$2,717
Other Retail Group	$1,197	$1,147	$1,155	$1,178	$1,197
Retail Stores Total	**$13,926**	**$14,866**	**$15,654**	**$16,207**	**$16,148**
Population	114,795	116,468	117,998	118,632	119,414

(a) Retail sales have been adjusted to 2013 dollars based on the Bay Area Consumer Price Index, based on data from the U.S. Bureau of Labor Statistics. At the beginning of 2007, SBOE made some minor changes to their classification system, thus year-to-year comparisons with previous years should be made with caution. 2009 and later data presented in a separate table due to major change in categorization scheme, such that data are not fully comparable with earlier years.
(b) Analysis excludes all non-retail outlets (business and personal services) reporting taxable sales.
(c) A "#" sign indicates data unavailability for the category due to SBOE confidentiality rules that suppress data when there are four or fewer outlets or sales in a category dominated by one store. Suppressed sales have been combined with Other Retail Stores.
(d) Per capita sales calculated based on sales divided by population. 2000 and 2010 population from U.S. Census; estimates for other years from CA State Dept. of Finance.

Sources: 2000 & 2010 U.S. Census; State Dept. of Finance; State Board of Equalization; U.S. Bureau of Labor Statistics; BAE, 2014.

Bay Area Taxable Retail Sales Trends, 2003-2008

Sales in 2013 $000 (a) (b) (c)	2003	2004	2005	2006	2007	2008
Motor Vehicles and Parts	$15,747,159	$15,873,926	$15,864,849	$15,318,338	$14,742,056	$11,192,271
Home Furnishings and Appliances	$4,502,435	$4,702,147	$4,739,158	$4,611,667	$4,409,964	$4,564,491
Building Materials	$7,966,933	$9,089,742	$9,242,677	$9,004,458	$7,705,316	$6,385,662
Food Stores	$4,794,938	$4,787,264	$4,807,148	$4,734,498	$4,734,575	$4,514,083
Service Stations	$6,614,683	$7,527,778	$8,504,366	$9,192,045	$9,857,786	$10,544,085
Apparel Stores	$4,321,186	$4,719,176	$5,085,771	$5,211,579	$5,344,886	$5,726,890
General Merchandise Stores	$13,142,318	$13,565,517	$13,801,148	$14,013,565	$13,908,477	$12,585,247
Eating and Drinking Places	$11,087,377	$11,720,527	$12,284,732	$12,637,108	$13,048,128	$12,995,226
Other Retail Stores	$15,779,606	$16,598,522	$17,537,689	$17,666,557	$17,117,204	$14,025,102
Retail Stores Total	**$83,956,634**	**$88,584,600**	**$91,867,538**	**$92,389,814**	**$90,868,392**	**$82,533,056**

Sales per Capita in 2013 $ (d)	2003	2004	2005	2006	2007	2008
Motor Vehicles and Parts	$2,292	$2,306	$2,301	$2,220	$2,132	$1,607
Home Furnishings and Appliances	$655	$683	$687	$668	$638	$655
Building Materials	$1,160	$1,321	$1,340	$1,305	$1,114	$917
Food Stores	$698	$695	$697	$686	$685	$648
Service Stations	$963	$1,094	$1,233	$1,332	$1,425	$1,514
Apparel Stores	$629	$686	$738	$755	$773	$822
General Merchandise Stores	$1,913	$1,971	$2,001	$2,031	$2,011	$1,807
Eating and Drinking Places	$1,614	$1,703	$1,782	$1,831	$1,887	$1,866
Other Retail Stores	$2,297	$2,411	$2,543	$2,560	$2,475	$2,014
Retail Stores Total	**$12,222**	**$12,869**	**$13,323**	**$13,389**	**$13,139**	**$11,851**

Population	6,869,180	6,883,559	6,895,600	6,900,602	6,915,872	6,964,364

(a) Retail sales have been adjusted to 2013 dollars based on the Bay Area Consumer Price Index, based on data from the U.S. Bureau of Labor Statistics. At the beginning of 2007, SBOE made some minor changes to their classification system, thus year-to-year comparisons with previous years should be made with caution. 2009 and later data presented in a separate table due to major change in categorization scheme, such that data are not fully comparable with earlier years.
(b) Analysis excludes all non-retail outlets (business and personal services) reporting taxable sales.
(c) A "#" sign indicates data unavailability for the category due to SBOE confidentiality rules that suppress data when there are four or fewer outlets or sales in a category dominated by one store. Suppressed sales have been combined with Other Retail Stores.
(d) Per capita sales calculated based on sales divided by population. 2000 and 2010 population from U.S. Census; estimates for other years from CA State Dept. of Finance.

Sources: 2000 & 2010 U.S. Census; State Dept. of Finance; State Board of Equalization; U.S. Bureau of Labor Statistics; BAE, 2014.

Bay Area Taxable Retail Sales Trends, 2009-2013

Sales in 2013 $000 (a) (b) (c)	**2009**	**2010**	**2011**	**2012**	**3Q12-2Q13**
Motor Vehicle and Parts Dealers	$9,351,179	$10,010,422	$10,888,727	$12,501,025	$13,291,970
Home Furnishings and Appliance Stores	$5,724,544	$5,882,009	$6,088,188	$6,266,560	$6,217,119
Bldg. Matrl. and Garden Equip. & Supplies	$5,588,096	$5,633,262	$5,795,017	$6,071,320	$6,393,297
Food and Beverage Stores	$5,066,497	$5,118,599	$5,202,899	$5,350,709	$5,413,834
Gasoline Stations	$7,798,218	$8,880,210	$10,507,806	$10,828,100	$10,611,755
Clothing & Clothing Accessories Stores	$6,688,304	$6,974,092	$7,447,991	$7,918,618	$8,218,103
General Merchandise Stores	$9,394,716	$9,645,110	$9,810,075	$9,917,743	$10,004,018
Food Services and Drinking Places	$12,356,760	$12,711,793	$13,454,343	$14,242,031	$14,613,227
Other Retail Group	$9,366,195	$9,449,365	$9,638,471	$10,159,288	$10,647,416
Retail Stores Total	**$71,334,509**	**$74,304,864**	**$78,833,518**	**$83,255,394**	**$85,410,739**

Sales per Capita in 2013 $ (d)	**2009**	**2010**	**2011**	**2012**	**3Q12-2Q13**
Motor Vehicle and Parts Dealers	$1,330	$1,411	$1,523	$1,739	$1,823
Home Furnishings and Appliance Stores	$814	$829	$851	$872	$853
Bldg. Matrl. and Garden Equip. & Supplies	$795	$794	$810	$845	$877
Food and Beverage Stores	$720	$721	$728	$744	$743
Gasoline Stations	$1,109	$1,252	$1,469	$1,506	$1,455
Clothing & Clothing Accessories Stores	$951	$983	$1,042	$1,102	$1,127
General Merchandise Stores	$1,336	$1,359	$1,372	$1,380	$1,372
Food Services and Drinking Places	$1,757	$1,792	$1,882	$1,981	$2,004
Other Retail Group	$1,332	$1,332	$1,348	$1,413	$1,460
Retail Stores Total	**$10,142**	**$10,473**	**$11,025**	**$11,582**	**$11,715**
Population	7,033,325	7,094,889	7,150,739	7,188,284	7,290,817

(a) Retail sales have been adjusted to 2013 dollars based on the Bay Area Consumer Price Index, based on data from the U.S. Bureau of Labor Statistics. At the beginning of 2007, SBOE made some minor changes to their classification system, thus year-to-year comparisons with previous years should be made with caution. 2009 and later data presented in a separate table due to major change in categorization scheme, such that data are not fully comparable with earlier years.
(b) Analysis excludes all non-retail outlets (business and personal services) reporting taxable sales.
(c) A "#" sign indicates data unavailability for the category due to SBOE confidentiality rules that suppress data when there are four or fewer outlets or sales in a category dominated by one store. Suppressed sales have been combined with Other Retail Stores.
(d) Per capita sales calculated based on sales divided by population. 2000 and 2010 population from U.S. Census; estimates for other years from CA State Dept. of Finance.

Sources: 2000 & 2010 U.S. Census; State Dept. of Finance; State Board of Equalization; U.S. Bureau of Labor Statistics; BAE, 2014.

California Taxable Retail Sales Trends, 2003-2008

Sales in 2013 $000 (a) (b) (c)	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Motor Vehicles and Parts	$85,091,069	$87,510,097	$87,777,812	$82,157,348	$78,657,695	$58,619,882
Home Furnishings and Appliances	$19,167,680	$20,286,127	$20,737,961	$19,953,639	$18,581,860	$18,485,720
Building Materials	$38,951,246	$45,913,607	$47,296,015	$45,697,786	$36,290,929	$28,640,254
Food Stores	$24,629,078	$24,515,672	$25,198,046	$25,096,858	$24,960,945	$23,112,872
Service Stations	$35,170,658	$40,509,109	$45,994,892	$50,023,099	$52,325,431	$55,906,090
Apparel Stores	$19,263,483	$20,968,446	$22,316,287	$22,761,249	$23,177,123	$23,774,720
General Merchandise Stores	$64,150,422	$66,699,240	$67,724,987	$68,027,370	$66,563,845	$60,646,207
Eating and Drinking Places	$50,824,204	$53,511,998	$55,352,474	$56,508,122	$57,408,105	$55,944,950
Other Retail Stores	$69,116,686	$73,093,767	$75,794,452	$76,365,655	$72,134,545	$58,915,844
Retail Stores Total	**$406,364,523**	**$433,008,062**	**$448,192,925**	**$446,591,127**	**$430,100,478**	**$384,046,538**

Sales per Capita in 2013 $ (d)	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Motor Vehicles and Parts	$2,420	$2,460	$2,447	$2,275	$2,161	$1,597
Home Furnishings and Appliances	$545	$570	$578	$552	$510	$504
Building Materials	$1,108	$1,291	$1,319	$1,265	$997	$780
Food Stores	$700	$689	$702	$695	$686	$630
Service Stations	$1,000	$1,139	$1,282	$1,385	$1,438	$1,523
Apparel Stores	$548	$589	$622	$630	$637	$648
General Merchandise Stores	$1,824	$1,875	$1,888	$1,884	$1,829	$1,652
Eating and Drinking Places	$1,445	$1,504	$1,543	$1,565	$1,577	$1,524
Other Retail Stores	$1,966	$2,055	$2,113	$2,114	$1,982	$1,605
Retail Stores Total	**$11,556**	**$12,173**	**$12,495**	**$12,365**	**$11,816**	**$10,463**
Population	35,163,609	35,570,847	35,869,173	36,116,202	36,399,676	36,704,375

(a) Retail sales have been adjusted to 2013 dollars based on the CA Consumer Price Index, from the CA Dept. of Industrial Relations, based on data from the U.S. Bureau of Labor Statistics. At the beginning of 2007, SBOE made some minor changes to their classification system, thus year-to-year comparisons with previous years should be made with caution. 2009 and later data presented in a separate table due to major change in categorization scheme, such that data are not fully comparable with earlier years.
(b) Analysis excludes all non-retail outlets (business and personal services) reporting taxable sales.
(c) A "#" sign indicates data unavailability for the category due to SBOE confidentiality rules that suppress data when there are four or fewer outlets or sales in a category dominated by one store. Suppressed sales have been combined with Other Retail Stores.
(d) Per capita sales calculated based on sales divided by population. 2000 and 2010 population from U.S. Census; estimates for other years from CA State Dept. of Finance.

Sources: 2000 & 2010 U.S. Census; State Dept. of Finance; State Board of Equalization; CA Dept. of Industrial Relations; U.S. Bureau of Labor Statistics; BAE, 2014.

California Taxable Retail Sales Trends, 2009-2013

Sales in 2013 $000 (a) (b) (c)	**2009**	**2010**	**2011**	**2012**	**3Q12-2Q13**
Motor Vehicle and Parts Dealers	$47,964,714	$50,424,135	$55,292,563	$62,444,104	$65,018,676
Home Furnishings and Appliance Stores	$23,574,019	$23,949,451	$24,457,924	$25,041,327	$25,143,825
Bldg. Matrl. and Garden Equip. & Supplies	$25,852,090	$26,354,683	$27,037,042	$27,837,635	$28,936,971
Food and Beverage Stores	$24,308,157	$24,263,996	$24,487,013	$24,868,652	$25,136,570
Gasoline Stations	$42,131,559	$48,157,098	$57,270,282	$58,850,850	$57,926,545
Clothing & Clothing Accessories Stores	$27,645,001	$29,034,317	$30,704,606	$32,828,704	$34,002,028
General Merchandise Stores	$48,432,025	$49,325,515	$50,018,348	$50,724,497	$51,447,518
Food Services and Drinking Places	$53,822,645	$54,605,477	$56,799,204	$59,897,019	$61,195,836
Other Retail Group	$41,804,157	$41,837,735	$42,717,485	$44,433,565	$46,479,620
Retail Stores Total	**$335,534,366**	**$347,952,407**	**$368,784,467**	**$386,926,353**	**$395,287,588**

Sales per Capita in 2013 $ (d)	**2009**	**2010**	**2011**	**2012**	**3Q12-2Q13**
Motor Vehicle and Parts Dealers	$1,298	$1,354	$1,477	$1,658	$1,719
Home Furnishings and Appliance Stores	$638	$643	$653	$665	$665
Bldg. Matrl. and Garden Equip. & Supplies	$699	$707	$722	$739	$765
Food and Beverage Stores	$658	$651	$654	$660	$665
Gasoline Stations	$1,140	$1,293	$1,530	$1,562	$1,531
Clothing & Clothing Accessories Stores	$748	$779	$820	$872	$899
General Merchandise Stores	$1,310	$1,324	$1,336	$1,347	$1,360
Food Services and Drinking Places	$1,456	$1,466	$1,518	$1,590	$1,618
Other Retail Group	$1,131	$1,123	$1,141	$1,180	$1,229
Retail Stores Total	**$9,077**	**$9,340**	**$9,853**	**$10,272**	**$10,450**
Population	36,966,713	37,253,956	37,427,946	37,668,804	37,826,471

(a) Retail sales have been adjusted to 2013 dollars based on the CA Consumer Price Index, from the CA Dept. of Industrial Relations, based on data from the U.S.

Bureau of Labor Statistics. At the beginning of 2007, SBOE made some minor changes to their classification system, thus year-to-year comparisons with previous years should be made with caution. 2009 and later data presented in a separate table due to major change in categorization scheme, such that data are not fully comparable with earlier years.
(b) Analysis excludes all non-retail outlets (business and personal services) reporting taxable sales.
(c) A "#" sign indicates data unavailability for the category due to SBOE confidentiality rules that suppress data when there are four or fewer outlets or sales in a category dominated by one store. Suppressed sales have been combined with Other Retail Stores.
(d) Per capita sales calculated based on sales divided by population. 2000 and 2010 population from U.S. Census; estimates for other years from CA State Dept. of Finance.

Sources: 2000 & 2010 U.S. Census; State Dept. of Finance; State Board of Equalization; CA Dept. of Industrial Relations; U.S. Bureau of Labor Statistics; BAE, 2014.

Market Area Taxable Retail Sales Trends, 2003-2013

Sales in 2013 $000 (a) (b) (c)	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**3q12-2q13**
Total Taxable Retail Sales	$21,630,506	$22,850,889	$23,642,341	$24,268,309	$24,472,845	$22,144,131	$18,854,420	$20,052,872	$21,275,951	$22,319,326	$22,734,445

Sales per Capita in 2013 $ (d)	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**3q12-2q13**
Per Capita Taxable Retail Sales	$11,787	$12,459	$12,871	$13,169	$13,148	$11,758	$9,872	$10,397	$10,931	$11,350	$11,480
Population	1,835,143	1,834,016	1,836,816	1,842,841	1,861,273	1,883,345	1,909,834	1,928,736	1,946,308	1,966,429	1,980,289

(a) Retail sales have been adjusted to 2013 dollars based on the Bay Area Consumer Price Index, based on data from the U.S. Bureau of Labor Statistics. At the beginning of 2007 and then again in 2009, SBOE made changes to their classification system, thus year-to-year comparisons with previous years should be made with caution.
(b) Analysis excludes all non-retail outlets (business and personal services) reporting taxable sales.
(c) A "#" sign indicates data unavailability for the category due to SBOE confidentiality rules that suppress data when there are four or fewer outlets or sales in a category dominated by one store. Suppressed sales have been combined with Other Retail Stores.
(d) Per capita sales calculated based on sales divided by population. 2000 and 2010 population from U.S. Census; estimates for other years from CA State Dept. of Finance.

Sources: 2000 & 2010 U.S. Census; State Dept. of Finance; State Board of Equalization; U.S. Bureau of Labor Statistics; BAE, 2014.

Appendix B: Market Area Taxable Retail Sales by Major Retail Category

Sales in 2013 $000 (a) (b)	**Market Area** (c)
Motor Vehicle and Parts Dealers	$4,457,350
Home Furnishings and Appliance Stores	$1,963,666
Bldg. Matrl. and Garden Equip. & Supplies	$1,575,667
Food and Beverage Stores	$1,191,561
Gasoline Stations	$2,748,268
Clothing & Clothing Accessories Stores	$1,970,362
General Merchandise Stores	$2,628,751
Food Services and Drinking Places	$3,719,871
Other Retail Group	$2,416,639
Retail Stores Total	**$22,672,137**

Sales per Capita in 2013 $ (a) (b)	**Market Area** (c)
Motor Vehicle and Parts Dealers	$2,251
Home Furnishings and Appliance Stores	$992
Bldg. Matrl. and Garden Equip. & Supplies	$796
Food and Beverage Stores	$602
Gasoline Stations	$1,388
Clothing & Clothing Accessories Stores	$995
General Merchandise Stores	$1,327
Food Services and Drinking Places	$1,878
Other Retail Group	$1,220
Retail Stores Total	**$11,449**

(a) Retail sales have been adjusted to 2013 dollars based on the Bay Area Consumer Price Index, from the U.S. Bureau of Labor Statistics (BLS). Totals may not sum from components due to independent rounding.
(b) Analysis excludes all non-retail outlets (business and personal services) reporting taxable sales.
(c) Due to data availability issues, Market Area sales include only sales for incorporated places within the Market Area, and population estimate is only for incorporated places. This includes most of the population of the Market Area, and land use patterns indicated very limited retail sales in the unincorporated areas. Totals may vary from other tables, due to BAE's estimates by category for several cities where disclosure problems limited available data.

Sources: State Dept. of Finance; State Board of Equalization; U.S. Bureau of Labor Statistics; BAE, 2015.

Appendix C: Adjustor for Nontaxable Sales

2007 Sales in $000	**SBOE California**	**Economic Census**	**SBOE/ Econ**	**Applied Factor**
Motor Vehicle and Parts Dealers	70,779,978	$105,835,001	67%	66.67%
Home Furnishings and Appliance Stores	17,218,223	$29,170,115	59%	100.00%
Bldg. Matrl. and Garden Equip. & Supplies	35,622,021	$32,009,547	111%	100.00%
Food and Beverage Stores	25,238,330	$73,637,817	34%	33.33%
Gasoline Stations	47,084,940	$40,325,391	117%	100.00%
Clothing & Clothing Accessories Stores	23,935,336	$30,598,137	78%	100.00%
General Merchandise Stores	53,428,213	$61,204,201	87%	85.00%
Food Services and Drinking Places	51,658,575	$57,640,928	90%	90.00%
Other Retail Group	62,059,486	$82,252,061	75%	75.00%
Retail Stores Total	**$387,025,102**	**$512,673,198**	75%	0.00%

Note:
Based on a comparison of 2007 data from State Board of Equalization and Economic Census.

Sources: 2007 Economic Census; State Board of Equalization; BAE, 2015.

Appendix D: Leakage Analysis Detail

2015

Store Category	Baseline Per Capita Retail Sales (a): Estimated Sales in Area (a)	Baseline Per Capita Retail Sales (a): Estimated Resident Expenditures (b)	2015 Total Annual Retail Sales in $000 (c): Estimated Sales in Area	2015 Total Annual Retail Sales in $000 (c): Estimated Resident Expenditures	2015 Total Injection/ (Leakage) $000	2015 Per Capita Injection/ (Leakage)	Injection/ Leakage as % of Potential Sales
Motor Vehicle and Parts Dealers	$3,376	$3,277	$7,190,365	$6,978,669	$211,696	$99	3%
Home Furnishings and Appliance Stores	$992	$1,109	$2,111,790	$2,362,199	($250,409)	($118)	-11%
Bldg. Matrl. and Garden Equip. & Supplies	$796	$817	$1,694,522	$1,740,698	($46,176)	($22)	-3%
Food and Beverage Stores	$1,805	$1,807	$3,844,329	$3,848,745	($4,415)	($2)	0%
Gasoline Stations	$1,388	$1,460	$2,955,576	$3,108,734	($153,158)	($72)	-5%
Clothing & Clothing Accessories Stores	$995	$1,251	$2,118,990	$2,665,221	($546,231)	($256)	-20%
General Merchandise Stores	$1,562	$1,672	$3,325,933	$3,560,081	($234,148)	($110)	-7%
Food Services and Drinking Places	$2,087	$2,151	$4,444,965	$4,581,134	($136,169)	($64)	-3%
Other Retail Group	$1,627	$1,829	$3,465,241	$3,894,629	($429,388)	($202)	-11%
Total	**$14,628**	**$15,373**	**$31,151,711**	**$32,740,109**	**($1,588,398)**	**($746)**	**-5%**
Key Project-Related Categories, 2019-2023	**$9,068**	**$9,819**	**$19,311,248**	**$20,912,007**	**($1,600,760)**	**($752)**	**-8%**
Key Project-Related Categories, 2029	**$9,863**	**$10,637**	**$21,005,770**	**$22,652,706**	**($1,646,936)**	**($773)**	**-7%**

2019
w/o Proposed Project

Store Category	Total Annual Retail Sales in $000: Estimated Sales	Total Annual Retail Sales in $000: Potential Sales	Total Injection/ (Leakage) $000	Per Capita Injection/ (Leakage)
Motor Vehicle and Parts Dealers	$7,515,360	$7,294,096	$221,264	$99
Home Furnishings and Appliance Stores	$2,207,240	$2,468,967	($261,727)	($118)
Bldg. Matrl. and Garden Equip. & Supplies	$1,771,112	$1,819,375	($48,263)	($22)
Food and Beverage Stores	$4,018,088	$4,022,703	($4,615)	($2)
Gasoline Stations	$3,089,164	$3,249,244	($160,081)	($72)
Clothing & Clothing Accessories Stores	$2,214,765	$2,785,685	($570,920)	($256)
General Merchandise Stores	$3,476,261	$3,720,992	($244,731)	($110)
Food Services and Drinking Places	$4,645,871	$4,788,195	($142,324)	($64)
Other Retail Group	$3,621,865	$4,070,661	($448,795)	($202)
Total	**$32,559,725**	**$34,219,917**	**($1,660,191)**	**($746)**
Key Project-Related Categories	**$20,184,090**	**$21,857,202**		

2020
w/o Proposed Project

Store Category	Total Annual Retail Sales in $000: Estimated Sales	Total Annual Retail Sales in $000: Potential Sales	Total Injection/ (Leakage) $000	Per Capita Injection/ (Leakage)
Motor Vehicle and Parts Dealers	$7,598,879	$7,375,156	$223,723	$99
Home Furnishings and Appliance Stores	$2,231,769	$2,496,405	($264,636)	($118)
Bldg. Matrl. and Garden Equip. & Supplies	$1,790,795	$1,839,594	($48,799)	($22)
Food and Beverage Stores	$4,062,741	$4,067,407	($4,666)	($2)
Gasoline Stations	$3,123,494	$3,285,354	($161,860)	($72)
Clothing & Clothing Accessories Stores	$2,239,378	$2,816,643	($577,265)	($256)
General Merchandise Stores	$3,514,893	$3,762,344	($247,451)	($110)
Food Services and Drinking Places	$4,697,501	$4,841,407	($143,905)	($64)
Other Retail Group	$3,662,116	$4,115,899	($453,783)	($202)
Total	**$32,921,566**	**$34,600,208**	**($1,678,641)**	**($746)**
Key Project-Related Categories	**$20,408,398**	**$22,100,104**		

Appendix D, continued: Leakage Analysis Detail

2021
w/o Proposed Project

Store Category	Total Annual Retail Sales in $000: Estimated Sales	Total Annual Retail Sales in $000: Potential Sales	Total Injection/ (Leakage) $000	Per Capita Injection/ (Leakage)
Motor Vehicle and Parts Dealers	$7,675,912	$7,449,921	$225,991	$99
Home Furnishings and Appliance Stores	$2,254,393	$2,521,712	($267,318)	($118)
Bldg. Matrl. and Garden Equip. & Supplies	$1,808,949	$1,858,243	($49,294)	($22)
Food and Beverage Stores	$4,103,927	$4,108,641	($4,713)	($2)
Gasoline Stations	$3,155,158	$3,318,659	($163,501)	($72)
Clothing & Clothing Accessories Stores	$2,262,080	$2,845,197	($583,117)	($256)
General Merchandise Stores	$3,550,525	$3,800,484	($249,959)	($110)
Food Services and Drinking Places	$4,745,122	$4,890,486	($145,364)	($64)
Other Retail Group	$3,699,240	$4,157,623	($458,383)	($202)
Total	**$33,255,307**	**$34,950,966**	**($1,695,659)**	**($746)**
Key Project-Related Categories	**$20,615,288**	**$22,324,143**		

2023
w/o Proposed Project

Store Category	Total Annual Retail Sales in $000: Estimated Sales	Total Annual Retail Sales in $000: Potential Sales	Total Injection/ (Leakage) $000	Per Capita Injection/ (Leakage)
Motor Vehicle and Parts Dealers	$7,832,332	$7,601,736	$230,596	$99
Home Furnishings and Appliance Stores	$2,300,334	$2,573,099	($272,766)	($118)
Bldg. Matrl. and Garden Equip. & Supplies	$1,845,812	$1,896,111	($50,298)	($22)
Food and Beverage Stores	$4,187,557	$4,192,367	($4,809)	($2)
Gasoline Stations	$3,219,454	$3,386,287	($166,832)	($72)
Clothing & Clothing Accessories Stores	$2,308,176	$2,903,176	($595,000)	($256)
General Merchandise Stores	$3,622,878	$3,877,931	($255,053)	($110)
Food Services and Drinking Places	$4,841,818	$4,990,145	($148,326)	($64)
Other Retail Group	$3,774,623	$4,242,348	($467,724)	($202)
Total	**$33,932,985**	**$35,663,198**	**($1,730,213)**	**($746)**
Key Project-Related Categories	**$21,035,387**	**$22,779,065**		

2029
w/o Proposed Project

Store Category	Total Annual Retail Sales in $000: Estimated Sales	Total Annual Retail Sales in $000: Potential Sales	Total Injection/ (Leakage) $000	Per Capita Injection/ (Leakage)
Motor Vehicle and Parts Dealers	$8,320,979	$8,075,996	$244,983	$99
Home Furnishings and Appliance Stores	$2,443,848	$2,733,631	($289,783)	($118)
Bldg. Matrl. and Garden Equip. & Supplies	$1,960,969	$2,014,406	($53,437)	($22)
Food and Beverage Stores	$4,448,812	$4,453,922	($5,109)	($2)
Gasoline Stations	$3,420,311	$3,597,552	($177,241)	($72)
Clothing & Clothing Accessories Stores	$2,452,180	$3,084,301	($632,121)	($256)
General Merchandise Stores	$3,848,903	$4,119,868	($270,965)	($110)
Food Services and Drinking Places	$5,143,892	$5,301,472	($157,580)	($64)
Other Retail Group	$4,010,116	$4,507,021	($496,905)	($202)
Total	**$36,050,010**	**$37,888,168**	**($1,838,158)**	**($746)**
Key Project-Related Categories	**$24,308,720**	**$26,214,620**		

Notes:
All sales and leakages are in 2013 dollars.
(a) From Table 12.
(b) Estimated benchmark expenditures per capita derived from either Santa Clara County or Bay Area per capita expenditure levels. See Table 12.
(c) Total sales = Sales/expenditures per capita times area population in designated year.

2015 Market Area Population	2,129,666	based on Nielsen.
2019 Market Area Population	2,225,924	based on Nielsen.
2020 Market Area Population	2,250,661	based on Nielsen.
2021 Market Area Population	2,273,477	based on Nielsen/ABAG
2023 Market Area Population	2,319,806	based on Nielsen/ABAG
2029 Market Area Population	2,464,535	based on Nielsen/ABAG

2019population has been estimated by applying the compound annual growth rate for the Market Area for the 2015 to 2020 period using Nielsen estimates. 2021, 2023, and 2029 population estimate uses Nielsen 2020 as base, and applies the ABAG compound annual growth rate for the 2020-2030 period.

Sources: CA State Board of Equalization; CA State Department of Finance; CA Department of Industrial Relations; U.S. Bureau of Labor Statistics; U.S. Census of Retail Trade, 2007; Nielsen SiteReports; BAE, 2015.

Appendix E: Planned and Proposed Retail Projects in the Market Area

Project/ Location/ Developer	New Retail Square Footage	Est. Timing	Comments
Under Construction			
Campbell			
1677 S Bascom Ave South of Hamilton Ave near Campisi Way Bay West Development	15,295		
Cupertino			
Biltmore Adjacency 20030 Stevens Creek Blvd Prometheus Real Estate Group	-21,000 7,000		Mixed use, 90 residential units and a 7,000 sf commercial building. Retail center anchored by a 99 Ranch grocery store
Cupertino Village SW/c of Wolfe Rd & Homestead Rd Kimco Realty	24,455		2 one-story retail buildings and a two level parking structure
Homestead Square 20580-20680 Homestead Road Sobrato Development Company	-95,666 140,279		Demolition of an existing 95,666 sf commercial property and the construction of a new commercial space with two new buildings and four large tennat spaces. Michael's and FedEx are existing tenants that will remain. New tenants include Safeway, Rite Aid, Ross, Chase, and Ulta Beauty.
Main Street Cupertino N side of Stevens Creek Blvd between Finch and Tantau Sand Hill Property Company	130,500		Mixed use, 260,000 sf office, 180 room hotel (Marriott Residence Inn), 130,500 retail space, including up to 52,600 sf of restaurant, 120 apartments, 0.75-acre park, 0.80-acre town square, 5-level parking garage with two levels of underground parking
Rose Bowl Wolfe Road btwn Stevens Creek Blvd and I-280 Evershine	120,000		Mixed use, 20 residential condominiums and 120,000 sf of new retail
Saich Way Station 20803 Stevens Crek Boulevard Borelli Investment Company	-11,610 15,650		Demolition of 11,610 sf of existing retail space, and the construction of two new commercial pads of 7,000 and 8,650 square feet. 3 major tenants that have already signed leases include Vitamin Shoppe, Melt, and Blast Pizza.
Fremont			
Buffalo Wild Wings Restaurant 43821 Pacific Commons Blvd	6,445		New Buffalo Wild Wings Restaurant in the Bayside Industrial/Pacific Commons Retail area
Dicks Sporting Goods 43923 Pacific Commons Blvd Catellus PC Area 5	50,551	2014	
Royal Palace Cup 6054 Stevenson Blvd.	20,274		
The Globe India Village 40500-40600 Albrae Street	-74,000 125,328	2015	7 new commercial buildings
Los Altos			
Colonnade 4750 El Camino Real Lennar	7,000	2014	Mixed use, 167 apartments, 38 townhouses, 7,000 sf of retail
400 Main Street	13,000	2014	Mixed use, 13,000 sf of retail and 19,000 of office
Palo Alto			
Alma Plaza 3445 Alma Street	26,000	2014	Includes a 20,000 sf grocery store, 6,000 sf of commercial space, 14 below market rate (BMR) units above the grocery store, and 37 single-family homes
Santa Clara			
Santa Clara Town Center 2082 El Camino Real	-184,000 197,365	2014	The Santa Clara Town Center is a phased shopping center remodel of the former Mervyn's Plaza. It involves demolishing 184,000 sf of retail to construct a new Target, grocery store, and single story retail buidlings.

Appendix E, continued: Planned and Proposed Retail Projects in the Market Area

Project/ Location/ Developer	New Retail Square Footage	Est. Timing	Comments
San Jose (a)			
Fruitdale Station (Phase 2) SE/c Southwest Expwy & Fruitdale	15,000		Residential development with ground floor retail
Foxworthy Retail NW/c Almaden & Hillsdale	24,250		3 new retail buildings
Almaden Ranch SE/c Almaden & Chynoweth Hunter Properties and Arcadia Development Corp.	360,000	2015	New shopping center on 38.5 acres; completion in 2015; tenants that have already signed leases include Bass Pro Sporting Goods, PGA Tour superstore, and City Sports Club
Brandon Park W/s N. 1st, 450' sly Rio Robles	35,000	2016	Retail on ground floor, office on second level, and residential above Approved for up to 1,329 multifamily units
Approved (Construction Not Yet Commenced)			
Cupertino			
The Oaks Shopping Center N. of Stevens Creek, E. of Hwy 85, W. of Mary Ave Sand Hill Properties Inc.	-2,430 17,000		Demolition of a theater and some retail space to construct a 4-story, 122-room hotel, and a 3-story 51,000 sf mixed use retail/office/convention center building in 2 phases
Fremont			
Artist Walk 37070 Fremont Blvd BHV Center Street Properties	28,641		Mixed use, 185 market rate apartments and 28,641 sf of neighborhood retail
Durham Market Place NW/c of Durham Road and Sabercat Road	7,000		New shopping center
Los Altos			
BevMo 4700 El Camino Real	3,600		3,600 sf addition to existing retail space to allow for a new retail use
Menlo Park			
Menlo Gateway Project 100-190 Independence Drive 101-155 Cconstitution Drive Bohannon Development Company	10,420		Mixed use development with approximately 700,000 sf of office/R&D, a 230-room hotel, health club, and neighborhood retail on a 15.9-acre site near the US 101/Marsh Road interchange
Mountain View			
San Antonio Center Phase 2 405 San Antonio Road	89,544		Mixed use development on 9.9-acre site including 400,000 sf of office, 107,835 sf of retail/commercial, a 1,710 seat cinema, and 167-room hotel
UDR 1984 El Camino Real	4,000		Mixed use, 160-unit apartment over 4,000 sf of retail
Greystar 801 El Camino Real Way	-22,380 10,800		Replacing commercial space with a mixed use development with 164 apartments; net loss of retail space
ROEM and Eden 819 North Rengstorff Ave.	8,500		Mixed use, 48-unit affordable rental building over 8,500 sf of retail
SummerHill Apartments 2650 El Camino Real West	5,600		193-unit residential apartment complex with 5,600 sf of retail
Newark			
SHH/FMC Project	15,000		Mixed use development with medium-high density residentia, including townhomes, affordable apartments, and a 15,000 sf commercial retail building

Appendix E, continued: Planned and Proposed Retail Projects in the Market Area

Project/ Location/ Developer	New Retail Square Footage	Est. Timing	Comments
Palo Alto			
2209 El Camino Real	1,979		Mixed use, 3-story building with ground floor retail, office, and residential above
2500 El Camino Real Related of Northern California	7,000		Mixed use buidling with ground floor commercial and 70 below market rate housing units
500 University Avenue Thoits Bros. Inc.	6,330		Mixed use, 3-story building with ground floor retail and office above
Santa Clara			
Santa Clara Technology Campus 2620-2727 Augustine Drive The Irvine Company	125,000		1.2 million sf of office in 2 phases and 125,000 sf of retail. Whole Foods anchor.
Sunnyvale			
927 East Arques Avenue	12,000		New multi-tenant shopping center
2502 Town Center Lane Quattro Realty Group, LLC	549,000		Mixed use development with a 16-screen movie theater, 275,000 sf of office 900,000 sf of retail (includes existing Macy's and Target), and 292 residential units
311 Capella BRE Properties	34,575		Mixed use project with 280 units and 34,575 sf of ground floor retail
704 Town and Country Carmel Partners	8,131		Mixed use development with 133 apartments and 8,131 sf of retail
San Jose (a)			
Village Oaks (Hitachi) NE/c Cottle & Hwy 85 Lennar Corp.	320,000		330-acre campus formerly owned by Hitachi Global; entitled for nearly 3,000 units and 320,000 sf of retail. This first phase is being completed, and includes 450 homes.
Berryessa Crossing Retail 1590 Berryessa Road	118,580		Development permit issued for a commercial shopping center on a 9.6 acre portion of the 58-acre gross acre site
Pepper Lane Mixed Use SE/c Berryessa and Jackson	30,000		Mixed use project with 371 residential units and 30,000 sf of retail space which includes a drive-thru pharmacy
Newbury Park Mixed Use 686 North King Road	25,000		800-1,300 single family attached residential units and 25,000 sf of commercial uses on a 25-acre site
Valley Fair Mall 2855 Stevens Creek Boulevard Westfield Shopping	640,000		Previously approved for 640,000 square feet of new retail space to include Neiman Marcus and Bloomingdales. However, the project was put on hold in 2009 during the recession. In 2013, the owner revived a portion of the project and applied for a building permit to construct a 1.5-million sf parking garage. Entitlements for additional retail sf are still valid.
The Alameda Mixed Use 785 The Alameda	22,651		Mixed use development with 70 residential units and 22,651 sf of commercial
Pending Approval			
Campbell			
2000 S. Bascom Ave.	5,000		Two "quick service" restaurants
Fremont			
Chick-Fil-A Auto Mall 5593 Auto Mall Parkway Chick-Fil-A Inc.	4,526	2015	Fast food drive thru
Living Spaces at the Crossings 49088 Fremont Blvd	311,469	2014	311,469 sf furniture store and warehouse with retail space
Osgood Retail Center 44009 Osgood Rd	27,226	2015	3 new commercial buildings

Appendix E, continued: Planned and Proposed Retail Projects in the Market Area

Project/ Location/ Developer	New Retail Square Footage	Est. Timing	Comments
Los Altos			
Draeger's Grocery Store 342 First Street	3,000		Addition to an existing Draeger's grocery store
Los Gatos			
CVS and Retail Shops 15600 and 15650 Los Gatos Boulevard	30,823		Demolish existing auto dealership to construct a 24-hour super drug store and adjacent retail building
North Forty S/E corner of Highway 17 and Highway 85	400,000		Construction of a new, multi-use development consisting of 91 condominiums, 61 senior apartments, 183 rowhouse residential units, and 66,000 sf of commercial uses, including a 18,000 sf market. Total 400,000 sf retail per pending Specific Plan.
Menlo Park			
Stanford University 300-550 El Camino Real	10,000		Proposal involves replacing existing buildings with a new, mixed used development consisting of offices, housing, and retail. Part of the El Camino Real/Downtown Specific Plan area.
1300 El Camino Real Greenheart Land Company	29,000		Mixed use project on a 6.4-acre site with 3 buildings consisting of 220 residential units and 210,000 sf of non-residential uses by the Menlo Park Caltrain station.
Mountain View			
420 San Antonio Road Pillar Group/Kalcic	10,000		Mixed use, 373-unit, 4-story apartment buidling with ground floor retail
700 East Middlefield Road RREEF Real Estate			Office development consisting of 1 eight-story office buidling, 2 six-story office buildings, 1 five-story office building, 1 one-story retail building, and a two-story commons building totaling 1,055,605 sf on a 24-acre site
Palo Alto			
Stanford Shopping Center - Phase 3 180 El Camino Real	131,105		Four new retail buildings in the location of the former Bloomingdales
2515 & 2585 El Camino Real ECRPA LLC	10,323		Mxed use, new 3-story retail office and 13 residential units
3159 El Camino Real	31,262		New, four-story mixed use building with 48 rental apartments, and 31,262 sf for office, retail, restaurant, or commercial recreation
429 University Avenue Kipling Post LP	1,729		Demolition of an existing one-story commercial structure and the construction of a new, 4-story, 33,000 sf mixed use building with ground floor retail, office, and 4 residential units
Santa Clara			
Gateway Village 3610 and 3700 El Camino Real Essex Property Trust	84,000		Mixed use master development on a 12.6-acre site with housing, retail, parking, and open space
Madison Place 1460 Monroe Street	5,530		4-story mixed use building with ground floor retail and office
Monticello Village 3515-3585 Monroe Street The Irvine Company	44,000		Mixed use residential develoment with 825 apartments above ground floor retail

Appendix E, continued: Planned and Proposed Retail Projects in the Market Area

Project/ Location/ Developer	New Retail Square Footage	Est. Timing	Comments
Sunnyvale			
RiteAid 1010 Sunnyvale Saratoga Road	14,578		New pharmacy with drive thru
1156 North Fair Oaks Boss Development	14,561		New retail building with drive thru
696 North Mathilda Avenue	4,387		Demolish existing structures to construct a new restaurant with drive thru
1120 Kifer Road Greystar Real Estate Partners	30,000		Mixed use project within the Lawrence Station Area Plan, including 535 residential units and 30,000 sf of retail
403 South Mathilda Avenue Toll Brothers	5,000		Mixed use with 5,000 sf of ground floor retail and 69 residential units
803-833 West El Camino Real LGBY Pastoria, LLC	31,600		Mixed use with 31,600 sf of retail/commercial and 101 residential units
San Jose (a)			
Santana Row 330 S. Winchester Boulevard	565,641		Rezoning to expand Santana Row and increase commercial square footage by 565,641 sf and residential units by 47 on a 42.53-acre site
Great Oaks Mixed Use Project NW/c Monterey & Hwy 85	154,000		720 housing units, 154,000 sf of commercial, 250,000 sf of office and/or commercial use, 78.4 acres total
The Plaza at Evergreen W/s Capitol, 1500' sly Quimby	200,000		
Ohlone Mixed Use Phase 1 San Carlos & Sunol	12,000		Mixed use, 263-unit residential development with 12,000 sf of retail
Summary			
Under Construction	947,116		
Approved, Construction not yet Commenced	2,075,541		
Pending Approval	2,170,760		
Planned Net New Retail (square feet)	**5,193,417**		

Notes:
Includes space designated as retail or commercial, even though some of this may be occupied by non-retail tenants (e.g., bank). Data as of December 2014.
(a) List of projects in San Jose only includes those with 25,000 sf or more retail space, and some mixed use projects where retail was identified.

Sources: Town of Atherton; City of Campbell; City of Cupertino; City of Fremont; City of Los Altos; Town of Los Altos Hills; Town of Los Gatos; City of Menlo Park; City of Monte Sereno; City of Mountain View; City of Newark; City of Palo Alto; City of San Jose; City of Santa Clara; City of Saratoga; City of Sunnyvale; Santa Clara County; BAE, 2014.