



Sanitary Sewer Conveyance Fee and Master Plan Update

Outreach Meeting

October 9, 2025



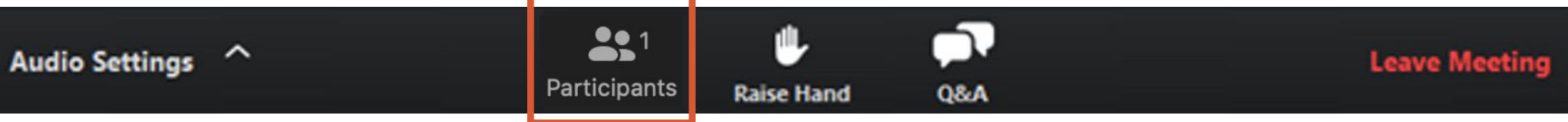
Welcome

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- How to use Zoom.



How to use Zoom

Participants window allows you to change your name



When participating, **rename yourself** on the “participants tab.”
(First name with last initial is okay)



How to use Zoom

Audio Settings ^

Participants 1

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Q&A

Leave Meeting

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How to use Zoom

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Audio Settings ^



Chat



Raise Hand



Q&A

Leave Meeting



Agenda

- Introductions / Purpose
- Sanitary Sewer Master Plan Background
- Sanitary Sewer Conveyance Fee Background
- 2025 Sanitary Sewer Master Plan Update
- Sanitary Sewer Capacity Deficiency Criteria
- Conveyance Fee Nexus Study
- Questions & Comments



Introductions

- City of Santa Clara Staff – Department of Public Works
 - Falguni Amin – Principal Engineer (Design Division)
 - Craig Temple – Project Manager (Design Division)



Purpose

- Provide background information on Sanitary Sewer Master Plans and Conveyance Fee
- Provide information on 2025 Update to the Sanitary Sewer Master Plan
- Provide information on Sanitary Sewer Conveyance Fee Nexus Study and proposed new Conveyance Fee rates



Sanitary Sewer Master Plans

- 2007 Capacity Assessment
 - Developed hydraulic model of trunk sewer system
 - Used model to identify capacity deficiencies and future capacity requirements
 - Developed phased capital projects to implement required capacity improvements (basis for implementation of Conveyance Fee)



Sanitary Sewer Master Plans

- 2009 Capacity Assessment Update
- 2016 Sanitary Sewer Master Plan
- 2022 Addendum to 2016 Sanitary Sewer Master Plan
- Late 2022 Started on Comprehensive Update to Master Plan resulting in the 2025 Sanitary Sewer Master Plan Update
- Recommended to update Master Plan every 7 years



Sanitary Sewer Conveyance Fee

- Established in 2007 to fund capacity improvements to the sanitary sewer collection system due to intensification of land uses per the General Plan.
- Fee cannot be used for maintenance purposes.

Meeting Date: _____



DATE: May 29, 2007

TO: City Manager for Council Action

FROM: Director Water and Sewer Utilities
City Engineer

SUBJECT: Resolution Approving Sanitary Sewer Conveyance Fee as Amending Existing Sanitary Sewer Outlet Charge

AGENDA REPORT

City of Santa Clara, California

Agenda Item # _____





Sanitary Sewer Conveyance Fee

- Fee updates in 2009 and 2010
- No fee changes since 2010 except for minor adjustments due to inflation and addition of Accessory Dwelling Unit (ADU) Fee in 2018
- Current Fee Rates:
 - \$4,218 per dwelling unit (Residential)
 - \$2,653 per ADU (62.9% of Residential fee – equivalent to apartment)
 - \$8.60 per gallon per day (gpd) (Non-Residential)



Sanitary Sewer Master Plans

- 2025 Master Plan Update—Benefits
 - Hydraulic model expanded from trunk sewer system (34%) to all-pipes (96%)
 - Model updated with latest land uses and water use
 - Calibration completed with updated dry weather and wet weather flows based on flow monitoring program
 - Recommended program of capital projects for capacity improvements (current General Plan Horizon of 2035)



Sanitary Sewer Master Plans

- 2025 Master Plan Update—Capacity Projects

Capital Improvement Project Summary Table

Project No. ¹	Project ID	Project Location	Pre-Project Pipe Diameter(s) ²	Project Description	Priority ³	Flow Confidence Level ⁴	Loads Trigger ⁵	Design Flow Trigger ⁵	Physical Network Trigger ⁵	Project Cost ⁶
1	Tracy/Pomeroy/Homestead/Kiely	Tracy Dr, Pomeroy Ave, Homestead Rd (S Trunk), Kiely Blvd	10 to 22.8-inch	12313 LF of 15 to 27-inch diameter pipe	7	N/A	LTFL (entitlement)	DWF	UMN	\$26,942,000
2	Homestead Road	N Homestead Trunk from Swallow Wy to Saratoga Creek	18 to 30-inch	6407 LF of 24 to 33-inch diameter pipe	3	3	LTFL	WWF	UMN	\$17,156,000
3	Kiely Boulevard	Orthello Wy to S of El Sobrante St	8-inch	266 LF of 10-inch diameter pipe	6	4	LTFL	WWF	UMN	\$513,000
4	Victoria Avenue	Fowler Ave & Pomeroy Ave to Nobili Ave & Victoria Ave	8-inch	764 LF of 10-inch diameter pipe	6	3	LTFL	WWF	UMN	\$1,337,000
5	Cabrillo Avenue	Halford Ave & Buckley St; St. Lawrence Dr, W of Lawrence Expwy	8-inch	Flow Diversion Weirs only. No pipe	1	3	EL	WWF	UMN	\$154,000
6	CMC Basin	Santa Maria Ave & Francis Ave; Amethyst Dr	8 to 12-inch	3655 LF of 12 to 15-inch diameter pipe	1	1 & 2	EL	WWF	UMN	\$7,263,000
7	Bowers Avenue	Bowers Ave from Chromite Dr to Walsh Ave	25.7-inch	2605 LF of 30-inch diameter pipe	4	5	LTFL	WWF	LMN	\$8,047,000
8	Calabazas Trunk	Calabazas Creek from S of Agate Dr to Central Expwy	22.8 to 27-inch	2791 LF of 18 to 27-inch diameter pipe	2	5	EL	WWF	LMN	\$8,731,000
9	Mission College Boulevard	Mission College Blvd from Freedom Cir to west of Great America Pkwy	12 to 15-inch	1886 LF of 15-inch diameter pipe	5	N/A	LTFL (specific development)	DWF	UMN	\$3,830,000
12	GAP West Trunk	S of West Tasman Dr to Lafayette St	28.5 to 35.7-inch	4810 LF of 36 to 42-inch diameter pipe	3	2	LTFL	WWF	UMN	\$17,781,000
13	GAP East Trunk	Old Glory Ln to S of Bunker Hill Ln; Stars and Stripes Dr	31.4-inch	231 LF of 39-inch diameter pipe	4	2	LTFL	WWF	LMN	\$1,002,000
14	Bunker Hill Lane East	E of Great America Pkwy	6-inch	107 LF of 8-inch diameter pipe	7	N/A	LTFL (entitlement)	WWF	UMN	\$301,000
15	Lafayette Street	N of Calle del Mundo to S of Great America Wy	34.2 to 40.3-inch	2290 LF of 42 to 48-inch diameter pipe	3	2	LTFL	WWF	UMN	\$7,515,000

CIP Total: \$100,572,000

¹Projects are numbered from upstream to downstream. Table does not include Project Nos. 10 (Patrick Henry Drive) and 11 (Mission Point) because project costs will be paid for by the developers.

²Pre-project pipe diameters include future lining assumptions.

³Projects are prioritized based on wastewater flow, design flow, and physical network triggers as well as assumed structural condition.

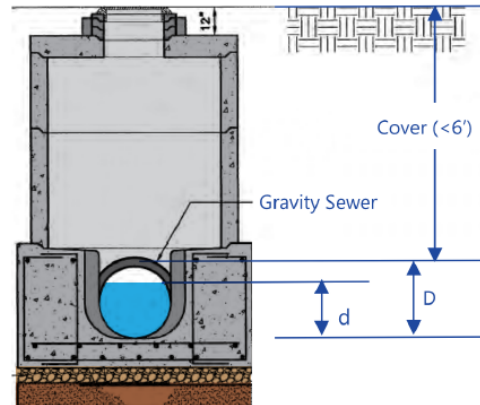


Sanitary Sewer Capacity Deficiency Criteria

- PDWF: No surcharge allowed ($d/D \leq 1.0$)
- PWWF:

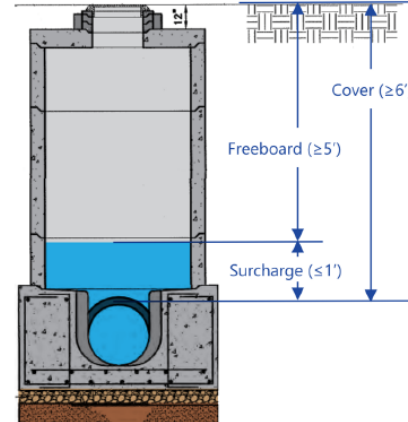
Scenario A

Gravity sewer with less than 6 feet of cover:
No surcharge allowed (i.e., $d/D \leq 1.0$).



Scenario B

Gravity sewer with 6 feet or more of cover:
Surcharge of up to 1 foot under PWWF.



Old Criteria



Sanitary Sewer Capacity Deficiency Criteria

- PDWF: No surcharge allowed ($d/D \leq 1.0$)

New Criteria

- PWWF: No surcharge allowed ($d/D \leq 1.0$)



Sanitary Sewer Capacity Deficiency Criteria

- Factors contributing to criteria change
 - Potential for climate-related increase to severity of storms
 - Sewer system degradation over time
 - Increase in development & intensification of land use not currently identified
 - Better alignment of modeling results with level of service goals & existing sewer design criteria (which does not allow for surcharge in new sewers)



Sanitary Sewer Capacity Deficiency Criteria

- Design criteria remains unchanged
 - Criteria used to design new or replacement sewers
 - Peak design flow not to exceed d/D of 0.75
- Deficiency criteria used to identify the need for capacity improvements (trigger criteria)
 - Applies for all future hydraulic model runs



Conveyance Fee Nexus Study

- Analyze cost of recommended capital program
- Incorporate existing fund balance, interest earnings, escalation of project costs, and timing of proposed projects into cash flow analysis
- Recommend revised Conveyance Fee rates
- Compare rates to other agencies



Conveyance Fee Nexus Study

- Recommendations
 - Change fee for residential to square foot assessment (not dwelling unit) to comply with AB 602
 - Set residential rate at \$1.14 per square foot
 - Set non-residential rate at \$6.34 per gallon per day (gpd)



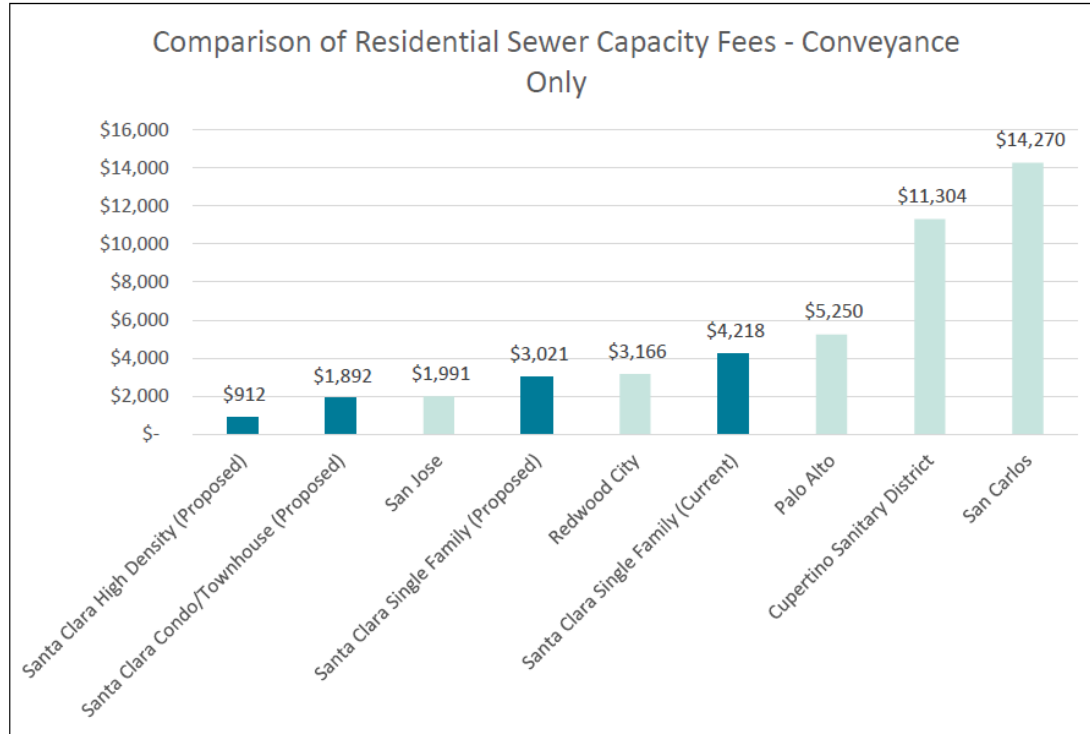
Conveyance Fee Nexus Study

Comparison of Proposed vs. Existing Rates

Type	Existing Rates	Proposed Rates	Difference
Non-Residential	\$8.60 per gallon per day	\$6.34 per gallon per day	26.2% reduction
Residential			
Single Family	\$4,218 per dwelling unit	\$1.14 per SF (2,650 SF avg) = \$3,021	28.4% reduction
Condo/Townhouse	\$4,218 per dwelling unit	\$1.14 per SF (1,660 SF avg) = \$1,892.40	55.1% reduction
High Density	\$4,218 per dwelling unit	\$1.14 per SF (800 SF avg) = \$912	78.4% reduction



Conveyance Fee Nexus Study





Next Steps

- City Council Approval of:
 - 2025 Master Plan Update Report
 - Conveyance Fee Nexus Study
 - Proposed Conveyance Fee Rates
- Target Date for City Council Action – December 9, 2025



Additional Information

- Webpage
 - City of Santa Clara > Departments G-Z > Public Works > Engineering > Public Works Projects > Sanitary Sewer Conveyance Fee & Master Plan Update
- Project Manager Contact Information
 - Craig Temple
 - ctemple@santaclaraca.gov



Questions or Comments



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