

PROPERTY OWNERS MEETING SEWER SERVICE RATES

Crystal Springs County Sanitation District
(District)

*Highlands Recreation Center
Multipurpose Room
1851 Lexington Avenue
San Mateo, CA*

*May 13, 2019
6:30 P.M.*

Department of Public Works

COUNTY OF SAN MATEO



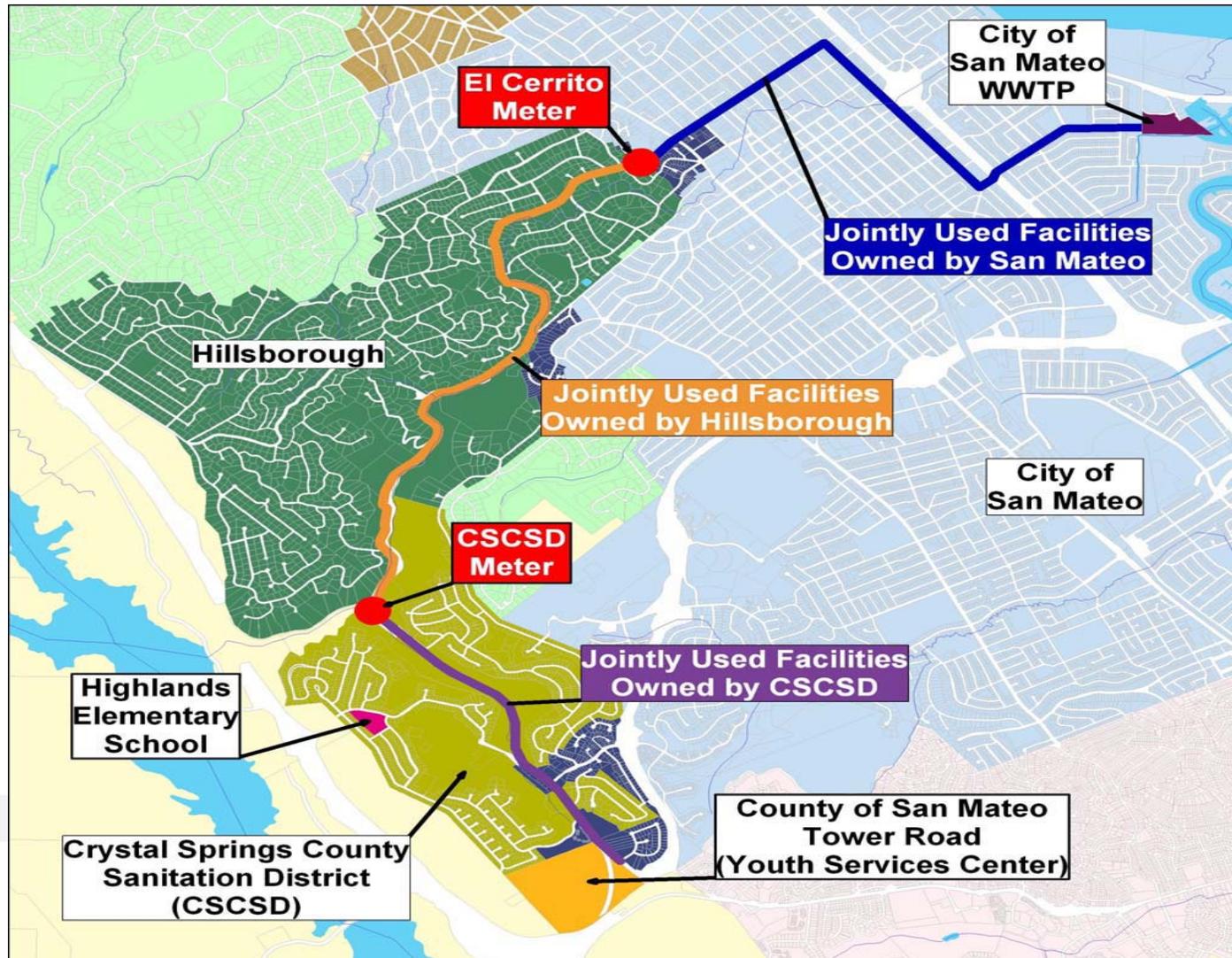
OVERVIEW OF TONIGHT'S MEETING

- ***District Information***
- ***District Funding***
- ***What's Taken Place Since Last Rate Adjustment***
- ***Elements of the Sewer Service Rates***
 - ***In District Costs***
 - ***Out of District Costs***
- ***City of San Mateo Clean Water Program***
- ***Proposed Rate***
- ***Rate Setting Timeline***
- ***Questions and Comments***



DISTRICT INFORMATION

SEWAGE FLOWS THROUGH TOWN OF HILLSBOROUGH AND CITY OF SAN MATEO TO THE CITY'S TREATMENT PLANT AT 2050 DETROIT DRIVE FOR TREATMENT



DISTRICT SPECIFIC STATISTICS

District	Age (yrs) *	Number of Connections **	Equivalent Residential Units **	Downstream Transport Agency	Treatment Facility
Crystal Springs County Sanitation District	72	1,434	1,531	City of San Mateo	City of San Mateo

**Age based on District formation date*

*** Based on 2018-19 SSC Report*

District	Miles of Pipe (Feet)	Percentage in Easements	Percentage in Streets
Crystal Springs County Sanitation District	18 mi (95,100 ft)	15%	85%

SEWER/SANITATION DISTRICTS IN COUNTY GOVERNMENT

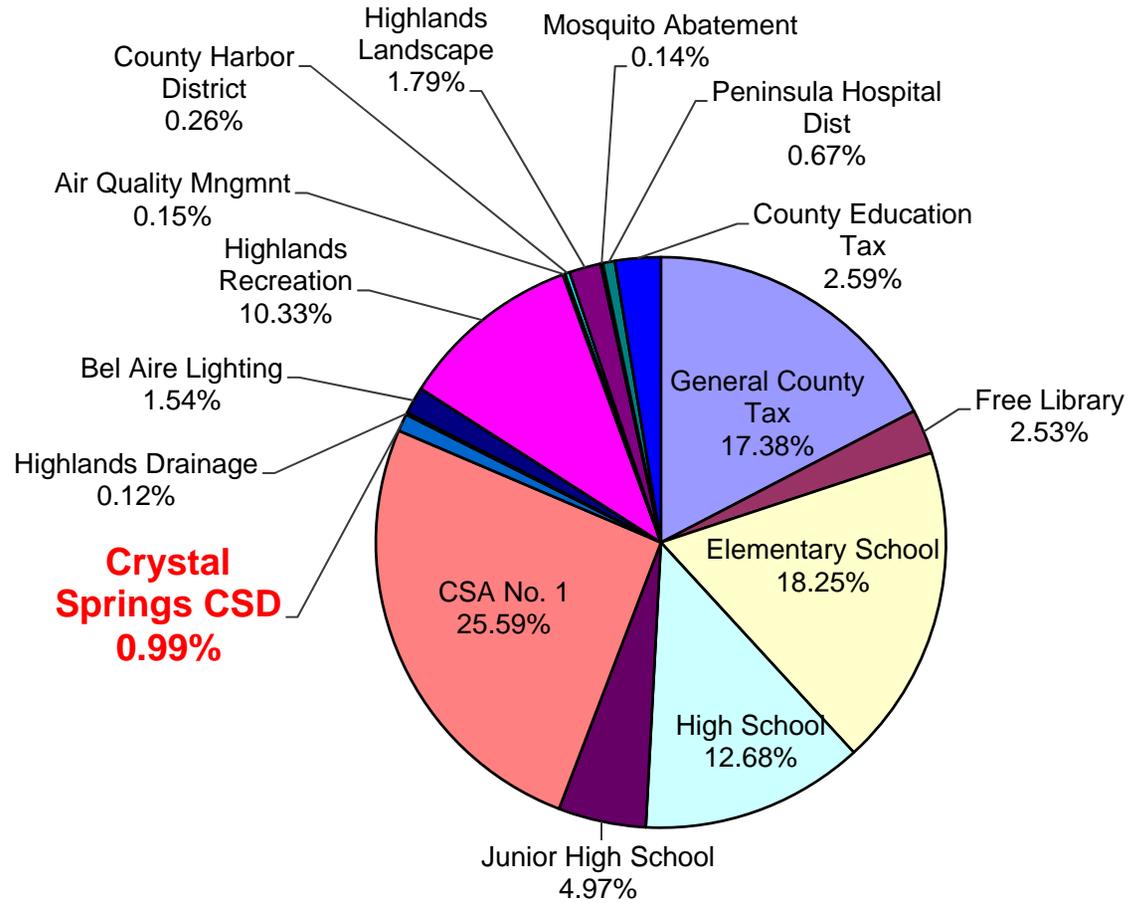
EACH DISTRICT IS AN INDEPENDENT ENTITY WITH ITS OWN SEPARATE BUDGET

- Each District's Governing Board is the Board of Supervisors
- The District receives Sewer Service Charges and limited property taxes within the District boundaries to fund sewer service
- The Sewer Service Charges are a Fee For Service, Not a Tax
- The District collects Sewer Service Charges on the Tax Bill because it is least costly way to collect the fee



WHERE DOES MY PROPERTY TAX MONEY GO?

CSCSD Sample Property Tax Allocation (TRA 078-018)



Note: CSCSD allocation of a portion (0.99%) of the property tax is approximately \$68,000 per year.

WHAT'S TAKEN PLACE SINCE LAST RATE ADJUSTMENT

- *Worked to finalize design and coordinate with FEMA for permanent repair of the Seneca Lane sewer main damaged by mudslide (2017 winter storms)*
- *Contributed to the purchase of maintenance equipment (CCTV camera and flushing/vacuum trucks)*
- *Sanitary Sewer Overflow (SSO) Response, Reporting, Water Quality Monitoring, and Public Awareness Program*
- *Provide 24/7 emergency response to clear blockages in private laterals*
- *Paid \$119,231 annual loan payment to the State Revolving Fund for the completed 1999 Master Plan Capital Improvement Projects (\$1.95M, 20-year term)*



WHAT'S TAKEN PLACE SINCE LAST RATE ADJUSTMENT

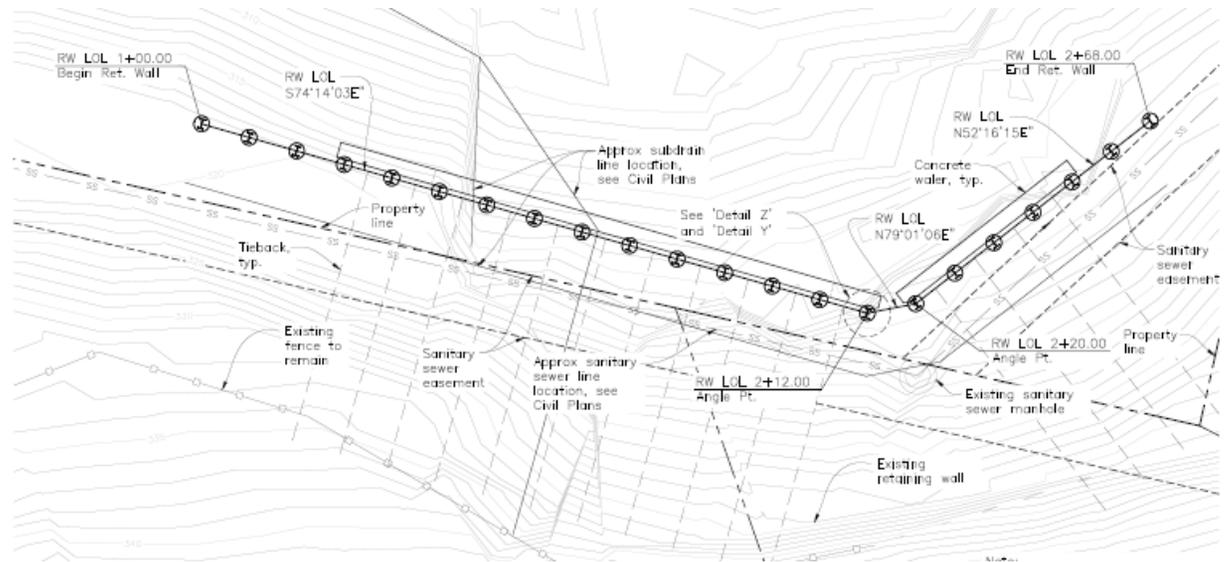
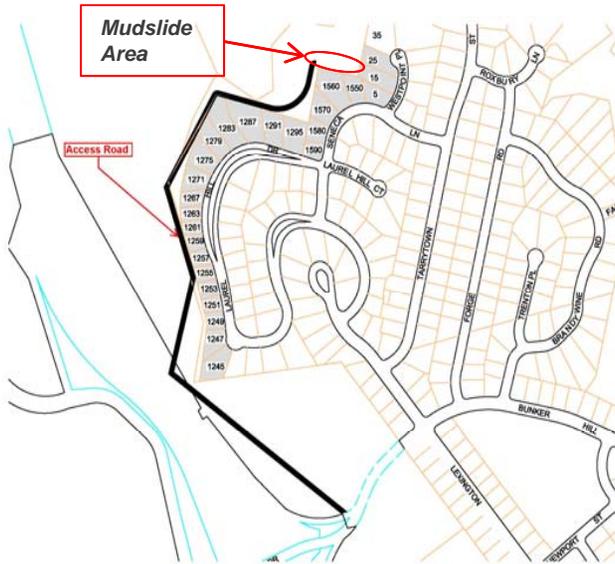
SENECA LANE MUDSLIDE EMERGENCY RESPONSE AND TEMPORARY BYPASS



District maintenance staff continue to operate & monitor the temporary pump bypass system at the mudslide site in the easement behind Seneca Lane; Maintained winterization measures prior to the 2018-19 rainy season to minimize further erosion; Working with consultant and FEMA to finalize design of permanent repair.

WHAT'S TAKEN PLACE SINCE LAST RATE ADJUSTMENT

SENECA LANE MUDSLIDE PERMANENT REPAIR



Selected Repair Option – Soldier Pile Retaining Wall with Tie-Backs

- Soldier pile wall with horizontal reinforced concrete beams between piles.
- Steel ground anchors (tie-backs) placed in drilled holes extending from the wall face to soil or bedrock.
- Estimated construction cost is \$2.8M; Total estimated cost \$3.5M.
- District will be working with a few property owners to obtain additional easements to facilitate access to the site and complete construction of the permanent repair.

WHAT'S TAKEN PLACE SINCE LAST RATE ADJUSTMENT

SANITARY SEWER OVERFLOWS (SSO)

District	2013	2014	2015	2016	2017	2018	2019 (to date)
CSCSD	3	11	4	0	6*	9*	0

Basin Cleaning implemented in 2014

Primary Causes of SSOs: Roots, Paper Towels, and Heavy-duty Wipes.

* 3 (2017) and 8 (2018) SSO occurrences due to Seneca Lane mudslide site



**The toilet is only meant
to flush the three P's—
pee, poop and paper.**

DISTRICT EXPENSES

IN DISTRICT COSTS:

- ***Operation and Maintenance***
- ***Regulation Compliance***
- ***District Projects***



OUT OF DISTRICT COSTS:

- ***Sewage Transport and Treatment***
- ***Downstream Agency Capital Improvement Projects***



COUNTY OF SAN MATEO



Recommended Capital Improvement Projects



Crystal Springs
County
Sanitation District

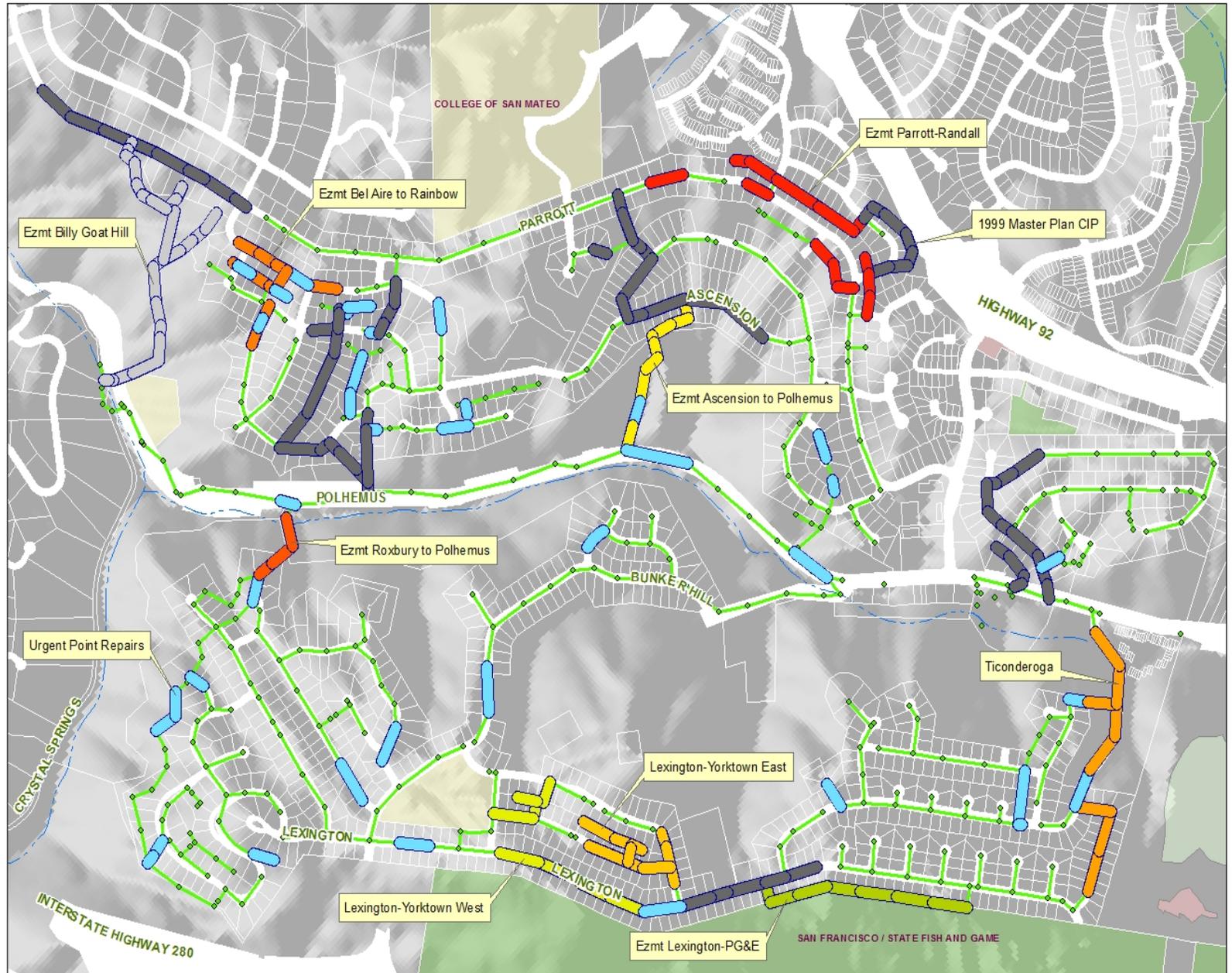
Project
Completed in
2014 (SRF Loan)

Legend

- 1999 Master Plan CIP
- Urgent Point Repairs
- Ezmt Parrott-Randall
- Ezmt Billy Goat Hill
- Ezmt Roxbury to Polhemus
- Ezmt Bel Aire to Rainbow
- Ticonderoga
- Lexington-Yorktown East
- Ezmt Ascension to Polhemus
- Lexington-Yorktown West
- Ezmt Lexington-PG&E



0 250 500 1,000
Feet



PRIORITY OF REMAINING CAPITAL IMPROVEMENT PROJECTS:

<u>Project Location</u>	<u>Estimated Cost</u>
<u>Currently in Design</u>	
Seneca Lane Mudslide Permanent Repair (~174 ft)	\$3,500,000
Urgent Point Repairs (42 Locations)	\$275,660
<u>Future Projects</u>	
Easement between Parrott and Randall	\$745,100
Easement along Billy Goat Hill	\$920,400
Easement from Roxbury to Polhemus	\$219,700
Easement from Bel Aire to Rainbow	\$581,300
Ticonderoga (Upper Portion)	\$818,200
Lexington-Yorktown East	\$523,700
Easement from Ascension to Polhemus	\$406,700
Lexington-Yorktown West	\$717,100
Easement between Lexington and PG&E	\$598,800
Total Cost for Future Projects ~ 16,700 feet of Pipe (18% of District mains)	\$5.531 M

ELEMENTS OF THE SEWER SERVICE RATES **– OUT OF DISTRICT COSTS**

PAYING FOR SEWAGE TRANSPORT, TREATMENT, AND DISPOSAL

- ***Sewage Transport, Treatment, and Disposal***

- ***Downstream Agency Capital Improvement Projects (Past, Current, Future)***
 - ***Past Hillsborough and San Mateo project (Crystal Springs Trunk Line, El Cerrito Relief Line)***

 - ***City of San Mateo Clean Water Program (CWP) current estimate of Crystal Springs CSD's share of contribution is estimated to be approximately \$1.4 million each for 30 years with various City financing exclusively for the CWP expenses***



OUT OF DISTRICT COSTS

\$465,514 annual loan payment to County General Fund for District's share of the Crystal Springs/El Cerrito Sewer Trunk Line projects completed by the Town of Hillsborough and City of San Mateo (\$7.3M, 20-year term)

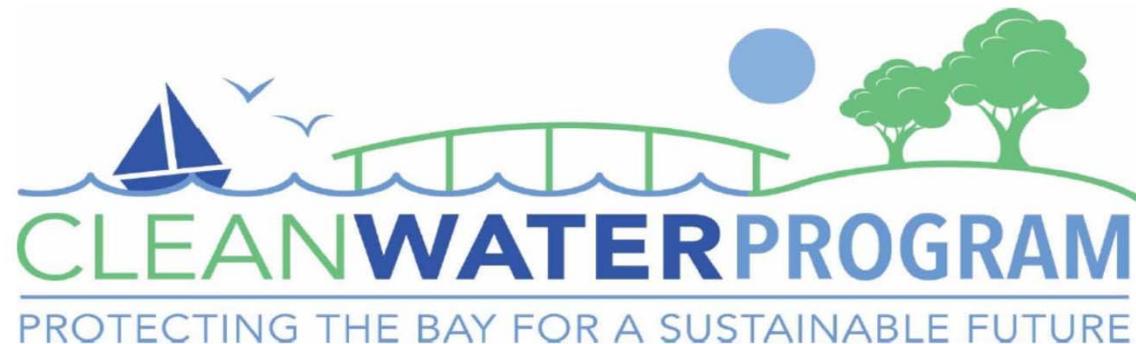
1) Town of Hillsborough Project Elements:

- ❖ *Upsized 9,600 feet of 8-in. to 15-in. diameter pipes with 18-in. diameter pipes on Crystal Springs Road and El Cerrito Avenue*
- ❖ *Project completed in Feb. 2017*
 - *Total estimated cost - \$12,000,000*
 - *Preliminary project closing cost - \$10,007,515*
- ❖ *District share of project costs (paid with County loan proceeds):*
 - *\$3,702,780 – 37% of eligible costs (based on wet weather flow)*

2) City of San Mateo Project elements:

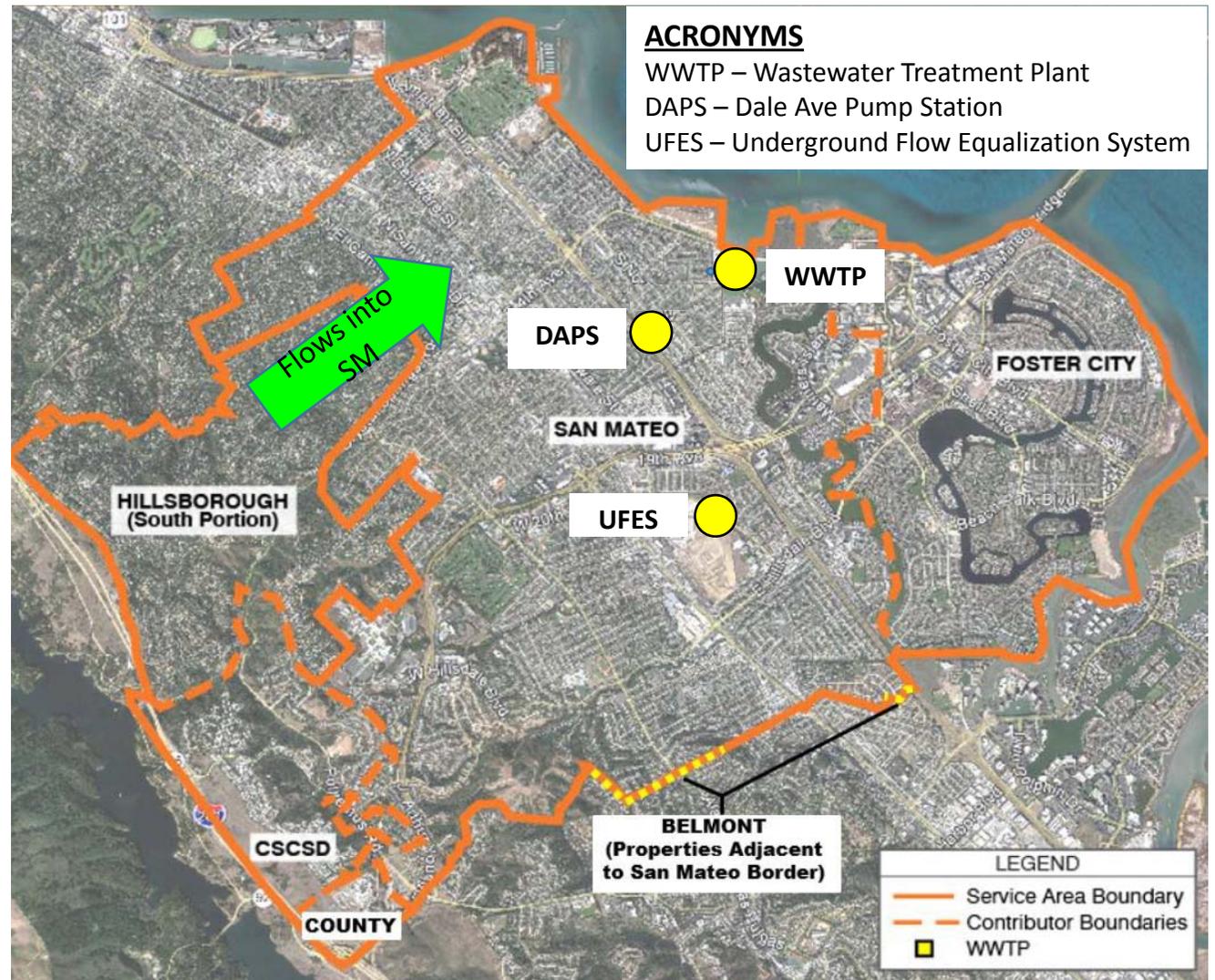
- ❖ *Constructed 10,000 feet of 27-in. and 30-in. diameter pipes as relief line for wet weather flows*
- ❖ *Project completed in May 2017*
 - *Total estimated cost - \$15,000,000*
 - *Final project cost - \$11,587,347*
- ❖ *District share of project (paid with County loan proceeds):*
 - *\$3,573,657 – 37% of eligible costs (based on wet weather flow)*

***Clean Water Program
Information Presented to
City of San Mateo
Communities***

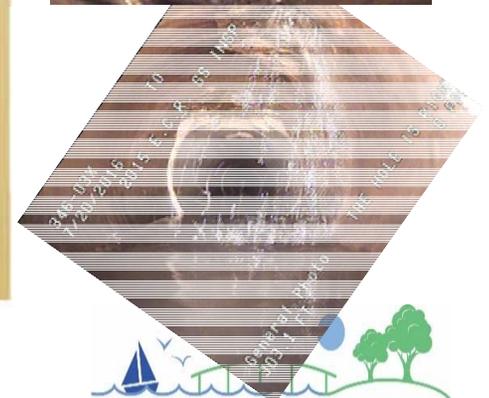
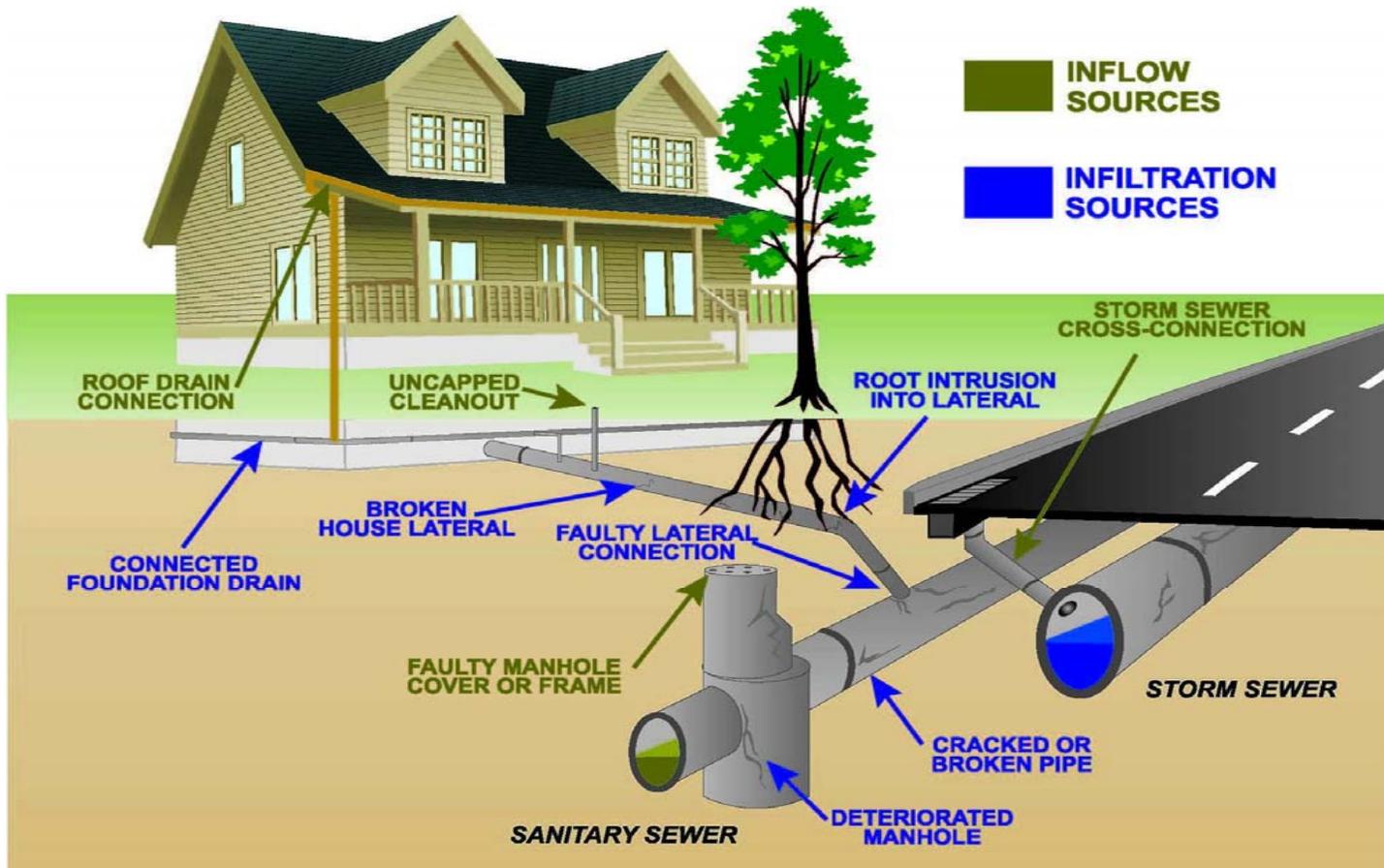


Wastewater Service Boundary

- The City of San Mateo receives, conveys and treats wastewater from CSCSD and other regional customers
- CSCSD's wastewater is conveyed through the City of San Mateo's collection system and Dale Ave Pump Station to the WWTP
- After treatment at the plant, the flow is discharged to SF Bay
- Properties that contribute to the wastewater system pay their fair share for service and capital improvements



Infiltration and Inflow occurs in Wastewater Systems



Aging Infrastructure and Wet Weather Challenges

- Sewage AND infiltration / inflow of rain entering the aging sewer system occurs
- Overwhelms capacity of pipes
- Sanitary sewer overflows (SSOs)
- Creates public and environmental health concerns



Regional Water Quality Control Board (RWQCB) Requirements

- Cease & Desist Order to San Mateo, Hillsborough, County, and CSCSD
 - *Eliminate sanitary sewer overflows by December 2018*
- NPDES Permit
 - *Restrictions on blending of primary and secondary effluent flows at the wastewater treatment plant*
- Watershed Permit
 - *Planning level nutrient load targets*



Clean Water Program - Drivers & Goals



Replace aging infrastructure and facilities



Build wet weather sewer system capacity assurance to prevent overflows



Meet current and future regulatory requirements



Align with sustainability goals

Protecting our Community and San Francisco Bay for a Sustainable Future



Projects Supporting CSCSD – Goals & Updates

● **WWTP Upgrade & Expansion Project**

- Replaces aging treatment facilities, improves effluent quality discharged to the SF Bay to meet regulations, and improves wet weather capacity to support CSCSD wastewater flows
- Construction Starting July 2019 with a 5-Year Construction Duration
- Aligns with the Cease and Desist Order and Discharge Permit requirements

● **Underground Flow Equalization System Project**

- Improves collection system capacity and flow management for the entire wastewater system
- Temporarily holds San Mateo's peak wet weather flows in the SM collection system to allow CSCSD peak wet weather wastewater flows to be pumped through Dale Ave Pump Station
- Construction start anticipated in Early 2020
- Aligns with Cease and Desist Order requirements

● **Dale Ave Pump Station Upgrades**

- Improves collection system capacity and flow management for the entire wastewater system
- Increases pumping capacity to support CSCSD peak wet weather flows
- Aligns with Cease and Desist Order requirements



CSCSD's Financial Responsibility towards the CWP

- The Clean Water Program is approximately \$1 billion
- San Mateo, Foster City, Hillsborough, San Mateo County, and CSCSD each have a financial responsibility for the capital improvements
- CSCSD has a financial responsibility to pay approximately \$22.5 million



Reducing Costs on the WWTP Upgrade & Expansion Project

- Planning appropriately to mitigate rising construction costs and market conditions
- Conducted Value Engineering to potentially reduce construction cost by ≈\$25 million
- Applying for a Water Infrastructure Finance and Innovation Act (WIFIA) low interest federal loan that saves ≈\$100 million in interest costs



CITY OF SAN MATEO CLEAN WATER PROGRAM (CWP) – PROJECT COSTS

- ***Program Management - \$84,800,310***
- ***WWTP Nutrient Removal and Wet Weather Flow Management Upgrade - \$539,115,012***
- ***WWTP Immediate Action Projects 1, 2 & 3 - \$38,208,711***
- ***WWTP Annual Major Components - \$7,189,707***
- ***Dale Avenue Pump Station (DAPS) Rehabilitation/Forcemain Replacement - \$42,902,557***
- ***In-System Storage - \$79,544,025***

***Total Estimated District Cost Share - \$22,500,000
(based on District flow percentages averaging 3.5%)***



City of San Mateo
Website: City of San Mateo
Mail: Clean Water Program City of San Mateo 330 W. 20th Avenue San Mateo, CA 94403
Telephone: (650) 727-6870
Email: info@CleanWater ProgramSanMateo.org

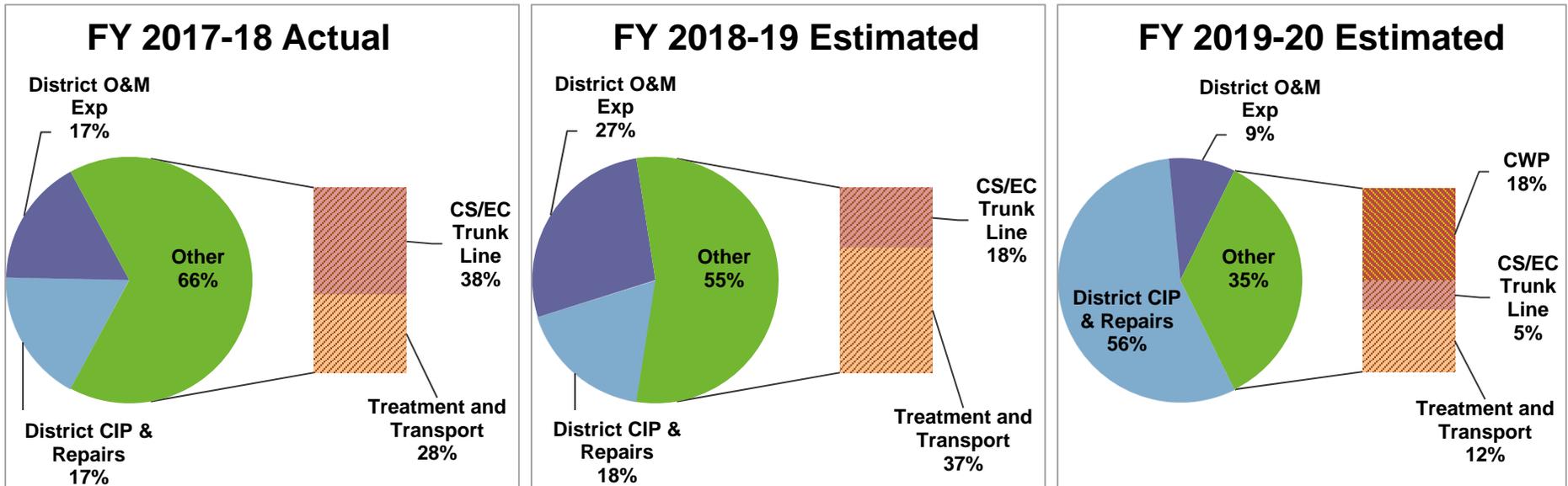


PROPOSED RATE

	Sewer Service Rate (\$/Year Per Residential Unit)	
	FY 2018-19	Proposed Rate
		FY 2019-20
Crystal Springs County Sanitation District	\$1,415	\$1,485 (+ \$70)

The proposed rate includes a 4.95% increase, equating to an \$70/equivalent residential unit or \$5.83/month/equivalent residential unit increase.

FUTURE FISCAL YEAR PROJECTED REVENUE REQUIREMENTS



Notes:

District O&M Exp. – District operation and maintenance excluding sewage treatment and transport.

District CIP & Repairs – District capital improvements/repairs, including SRF loan annual payment.

Other:

- City of San Mateo sewage treatment and transport.
- Annual payment for General Fund loan for the City of San Mateo/Town of Hillsborough Crystal Springs/El Cerrito Trunk Line Project.
- City of San Mateo Clean Water Program.

RATE SETTING TIMELINE

Key Dates	Actions
April 26	Sent all property owners information about proposed rate and timing of meeting with property owners.
May 13	Meeting with property owners to discuss the proposed rate, factors involved in establishing rate, and seek property owner input.
June 4	Introduce Ordinance with proposed sewer service rate and set Public Hearing for July 23.
June 7	Send Prop 218 notice (45 days prior to public hearing) to property owners with proposed rate.
July 23	Hold public hearing, adopt Ordinance setting rate, and adopt FY 2018-19 Sewer Service Charges Report based on the adopted rate.



**Emergency Response
24 Hours a Day, 7 Days a Week**

Mainline (Blockage)

Customer Sewer Laterals

**Call (650) 363-4100 to Report
Sewer Overflows**



CONTACT INFORMATION

Please e-mail your comments and questions to:

sewers@smcgov.org

Information is available on our website at:

<http://www.smcgov.org/sewers>

AVOID SEWER BACKUPS AND OVERFLOWS BY KEEPING TRASH OUT OF YOUR TOILET



Did you know?

Cleaning wipes, baby wipes and facial wipes are one of the biggest causes (or contributors) to sewer back-ups in the County of San Mateo Sewer Districts. That's right- even if the package says "flushable" or "disposable", they should NEVER be flushed. They belong in the trash.



Flush ONLY toilet paper. Put trash in the trash can.

For more information please visit our website at www.smcgov.org/sewers or call us at 650-363-4100.



SAFELY DISPOSE OF MEDICINES

NEW REGULATORY REQUIREMENTS:

- ***Increased requirements of the National Pollutant Discharge Elimination System (NPDES) program permits.***
- ***Studies are underway regarding effect of active pharmaceutical ingredients to environment if released in water bodies.***
- ***Pharmacies (CVS, Walgreens, Kaiser Permanente, etc.) now have kiosks for expired medicine and used sharps disposal. For information on disposal locations check out: <https://www.smchealth.org/general-information/safe-medicine-disposal-sites>***



THANK YOU!

QUESTIONS?



**The toilet is only meant
to flush the three P's—
pee, poop and paper.**

COUNTY OF SAN MATEO

