

# PROPERTY OWNERS MEETING SEWER SERVICE RATES

Fair Oaks Sewer Maintenance District  
(District)

*Fair Oaks Community Center  
2600 Middlefield Road  
Redwood City*

*April 30, 2019  
6:30 P.M.*

**Department of Public Works**

**COUNTY OF SAN MATEO**



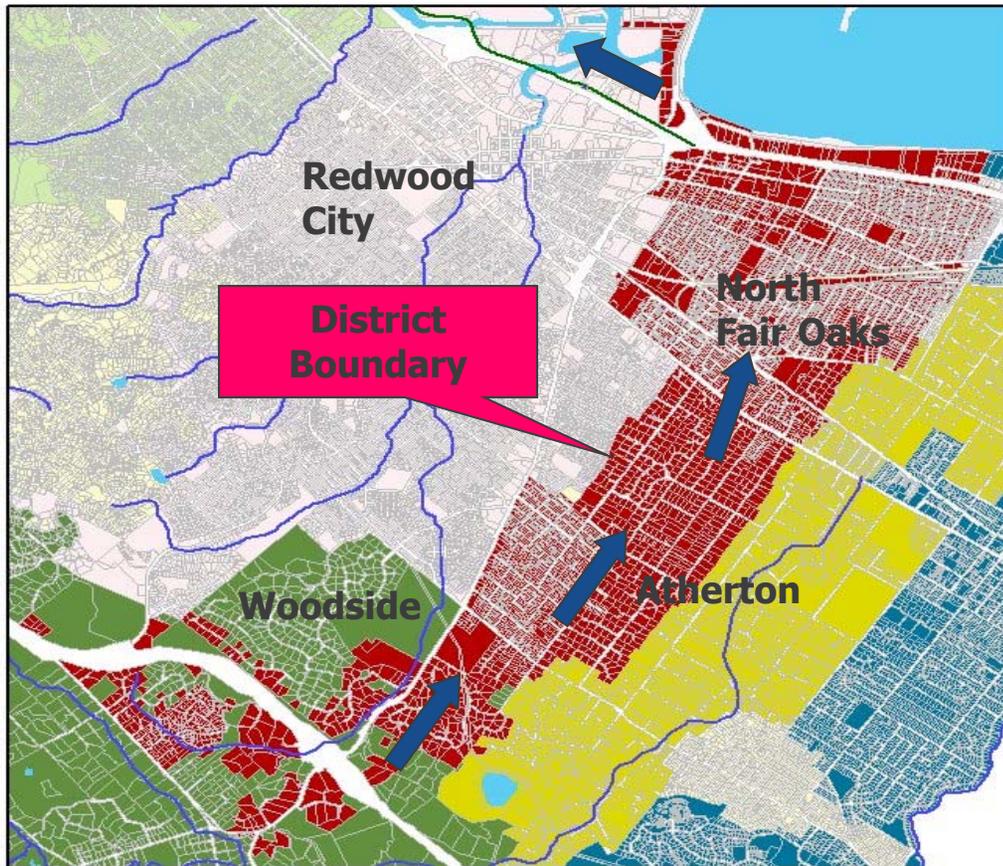
# OVERVIEW OF TONIGHT'S MEETING

- ***District Information***
- ***District Funding***
- ***Programs, Services and Compliance***
- ***Elements of the Sewer Service Rates***
  - ***In District Costs***
  - ***Out of District Costs***
- ***Proposed Rate for Consideration***
- ***Rate Setting Timeline***
- ***Questions and Comments***



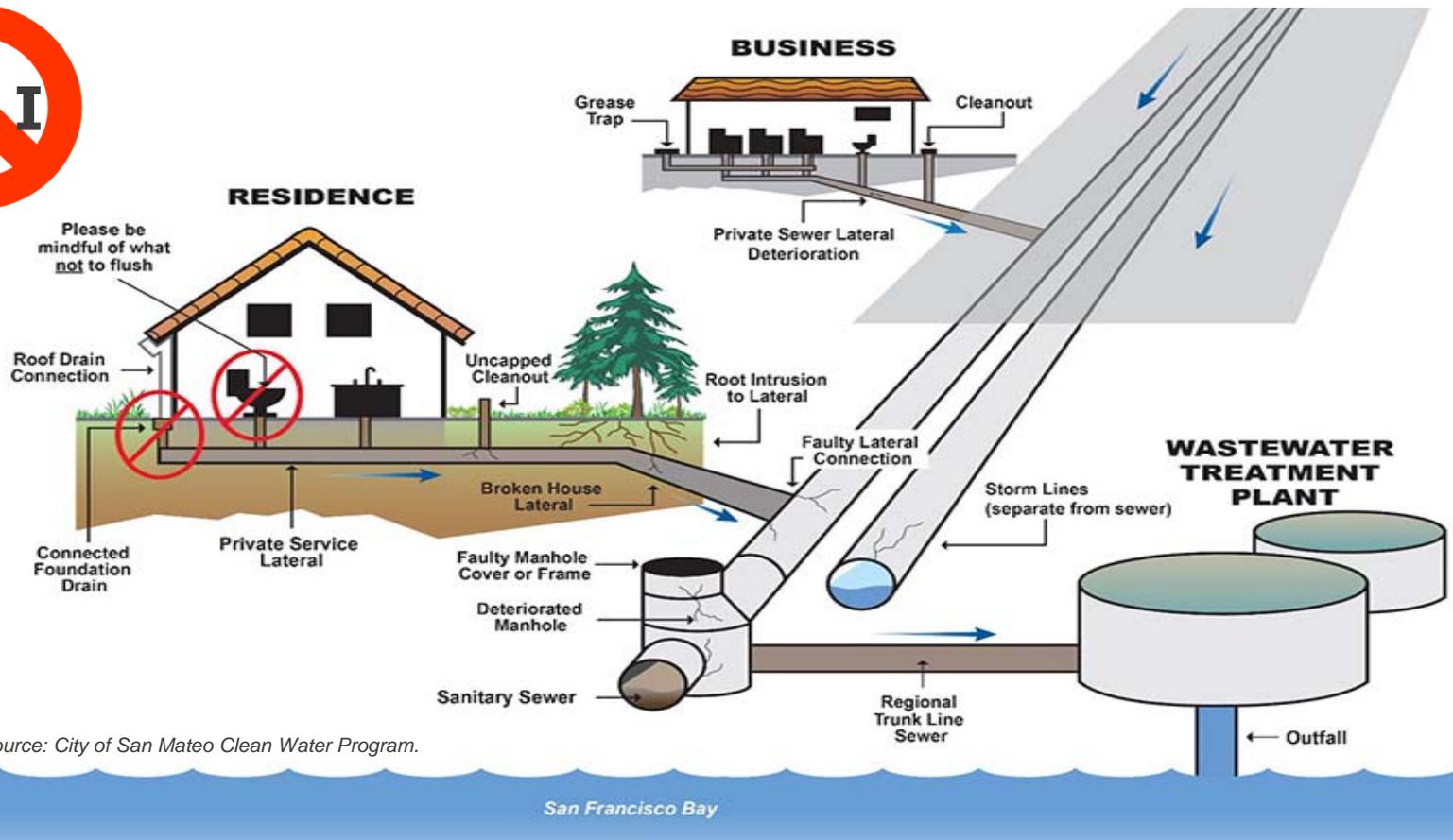
# DISTRICT INFORMATION – FAIR OAKS SEWER MAINTENANCE DISTRICT

*SEWAGE FLOWS THROUGH CITY OF REDWOOD CITY TO THE SILICON VALLEY CLEAN WATER (SVCW) TREATMENT PLANT IN REDWOOD SHORES FOR TREATMENT*



# DISTRICT INFORMATION – HOW DOES A SEWER SYSTEM WORK?

*EACH DISTRICT RELIES ON DOWNSTREAM AGENCIES TO TRANSPORT SEWAGE COLLECTED BY THE DISTRICT TO THE TREATMENT PLANT*



Source: City of San Mateo Clean Water Program.



# DISTRICT SPECIFIC STATISTICS

District	Age (yrs) *	Number of Connections **	Equivalent Residential Units (ERU) **	Downstream Transport Agency	Treatment Facility
Fair Oaks SMD	89	7,113	11,545	City of Redwood City	Silicon Valley Clean Water (SVCW)

*\*Age based on District formation date*

*\*\* Based on 2018-19 Sewer Service Charge Report*

District	Miles of Pipe (Feet)	Percentage in Easements	Percentage in Streets
Fair Oaks SMD	81.3 (429,000 feet)	17.30%	82.70%

# SEWER/SANITATION DISTRICTS IN COUNTY GOVERNMENT

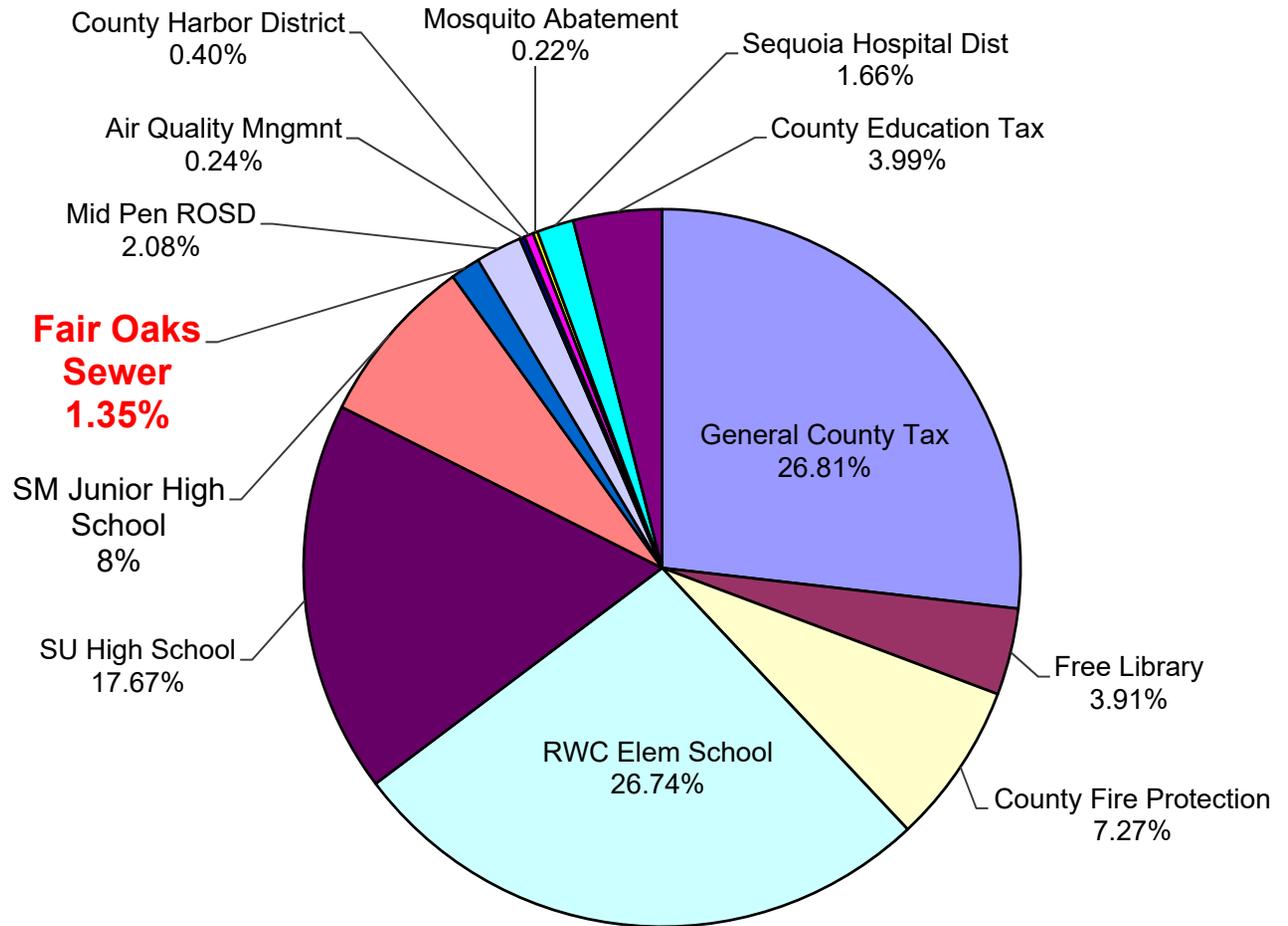
***EACH DISTRICT IS AN INDEPENDENT ENTITY WITH ITS OWN SEPARATE BUDGET***

- 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?

FOSMD Sample Property Tax Allocation (TRA 073-026)



Note: FOSMD allocation of a portion (1.35%) of the property tax is approximately \$509,000 per year.

# PROGRAMS, SERVICES AND COMPLIANCE

- *Sanitary Sewer Overflow (SSO) Response, Reporting, Water Quality Monitoring, and Public Awareness Program*
- *Provide 24/7 emergency response to clear blockages in private laterals*



# PROGRAMS, SERVICES AND COMPLIANCE

## *SANITARY SEWER OVERFLOWS (SSO)*

District	2014	2015	2016	2017	2018	2019 (to date)
FOSMD	13	10	11	15	17	9

Primary Causes of SSOs: Roots, Paper Towels and Rags, Grease, Feminine Products and Insufficient Pipe Capacity.

Replaced 1,738 ft. of sewer mains and 7 manholes on 7th Avenue in 2018.

Closed circuit television inspection of 133,000 ft. (25.2 mi) of District's sewer mains was completed in 2016 to assess pipe conditions and needed pipe repairs or replacements.

Preventative maintenance on District sewer mains is being performed at frequencies ranging from 3 to 18 months, depending on conditions.



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

# PROGRAMS, SERVICES AND COMPLIANCE

## POLLUTION PREVENTION/PUBLIC AWARENESS PROGRAM

### Be Sewer Savvy:

Notes, tips & tricks to help keep your sewer pipes in tip-top shape.

- ✓ Protect your home
- ✓ Protect your business
- ✓ Avoid costly repairs





And prevent water pollution, too!



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



**Did you know?**  
Chemical agents, baby wipes and facial tissues are some of the biggest causes for clogged sewers. A common mistake by the County of San Mateo Sewer District: "Don't flush" items. If it's not a pipe "flusher," or "flushable," then don't flush! NEVER to flush. 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](http://www.smcgov.org/sewers) or call us at 855-343-4100.

### WHEN IT COMES TO GARBAGE, IT BELONGS IN THE TRASH.

Your bins are not trash cans. The water flow from hoses or faucets (drinks, showers, baths), is especially risky as the use of the most harmful parts of the community, the San Francisco Bay.

Turning anything other than toilet paper into the drain can cause sanitary sewer overflows (SSOs) and will directly impact your plumbing system, the sewer system, and the protection of the treatment plant.

**PROPERLY DISPOSING OF YOUR WASTE WILL HELP PROTECT PUBLIC HEALTH AND THE ENVIRONMENT.**



[www.co.sanmateo.ca.us/sewers](http://www.co.sanmateo.ca.us/sewers)

Burlingame Hills Sewer Maintenance District  
Central Springs County Sanitation District  
Dorinda County Sanitation District  
Edgewood Sewer Maintenance District  
Eastwood Lake Heights Sewer Maintenance District  
Fair Oaks Sewer Maintenance District  
Harbor Industrial Sewer Maintenance District  
Kensington Square Sewer Maintenance District  
Oak Knoll Sewer Maintenance District  
Science Heights County Sanitation District

Department of Public Works  
755 County Center, 5th Fl.  
Redwood City, CA 94061  
(650) 343-4100

For more information about Sanitation Pollution Prevention visit the San Mateo Countywide Water Pollution Prevention Program (SMWPPP): [www.smcgov.org](http://www.smcgov.org)

### RETHINK WHAT YOU FLUSH... FLUSH GREEN



PROTECTING WATER QUALITY STARTS WITH EACH OF US!




### Understanding Your Sewer System and What You Pay For

Para obtener una copia de este folleto en Español, favor de llamar al (650) 599-1443

#### COUNTY MAINTAINED DISTRICTS:

- Burlingame Hills Sewer Maintenance District
- Crystal Springs County Sanitation District
- Devensville County Sanitation District
- Edgewood Sewer Maintenance District
- Erwood Lake Heights Sewer Maintenance District
- Fair Oaks Sewer Maintenance District
- Harbor Industrial Sewer Maintenance District
- Kensington Square Sewer Maintenance District
- Oak Knoll Sewer Maintenance District
- Science Heights County Sanitation District

#### What Is a Sanitation/Sewer District?

A sanitation/sewer district is a Special District formed for a specific area to provide sewer service to the properties within the district boundary. Each sanitation/sewer district has its own budget with money collected from the district and spent within the district. While the Board of Supervisors serves as the Governing Board for the sanitation/sewer districts operated by the County of San Mateo, the districts are separate legal entities from the County of San Mateo.

#### What Is Sewer Services?

Sewer service includes sewer system operation and maintenance, emergency response, construction of new sewer pipes or replacement of sewer pipes within the districts, and complying with regulatory requirements. The districts are also responsible for paying its share for sewage treatment and disposal, construction projects that carry sewage from the districts to the wastewater treatment plant and construction projects at the treatment plants. The wastewater generated from properties with the district is carried in the district sewer pipes to the sewer pipes maintained by the downstream agency, and travels to the wastewater treatment plant.

This information is being provided to inform you of the importance of a reliable sewage system. Proper maintenance of the sewer system helps protect the environment, minimizes the chances of sewer backups or service disruptions, and minimizes overall sewer system costs.

For more information, contact the Public Works Department at (650) 343-4100, between 8 a.m. and 5 p.m. Monday through Friday, or go to [www.co.sanmateo.ca.us/sewers/](http://www.co.sanmateo.ca.us/sewers/)



Beginning in 2012, brochures have been distributed to customers during service calls and mailed to customers upstream of a sanitary sewer overflow. Copies are also available on website at <http://www.smcgov.org/sewers>

# **PROGRAMS, SERVICES AND COMPLIANCE**

## **REGULATION COMPLIANCE:**

- ***State Water Resources Control Board***
  - ***Development and continuous updating of Sewer System Management Plan (SSMP)***
  - ***Reporting to State Office of Emergency Services certain types of SSO's within 2 hours***
  - ***Sampling of water within 48 hours when SSO enters a creek or stream***
  - ***Training maintenance staff on SSO response***
  
- ***San Francisco Bay Regional Water Quality Control Board (Regional Board)***
  - ***Inspecting restaurants and food service establishments for proper fats, oils, and grease (FOG) disposal***



# 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***



# **ELEMENTS OF THE SEWER SERVICE RATES** **– CAPITAL IMPROVEMENT PROJECTS (CIP)**

## ***HIGH PRIORITY CIPS IDENTIFIED THROUGH HYDRAULIC MODEL AND CONDITION ASSESSMENTS***

- ***Improvements are recommended based on the following:***
  - ***Lack of capacity in pipe***
  - ***Excessive maintenance costs***
  - ***Structural defects in pipe***
  
- ***Portions of your Sewer Service Charges collected are used to pay for improvements.***

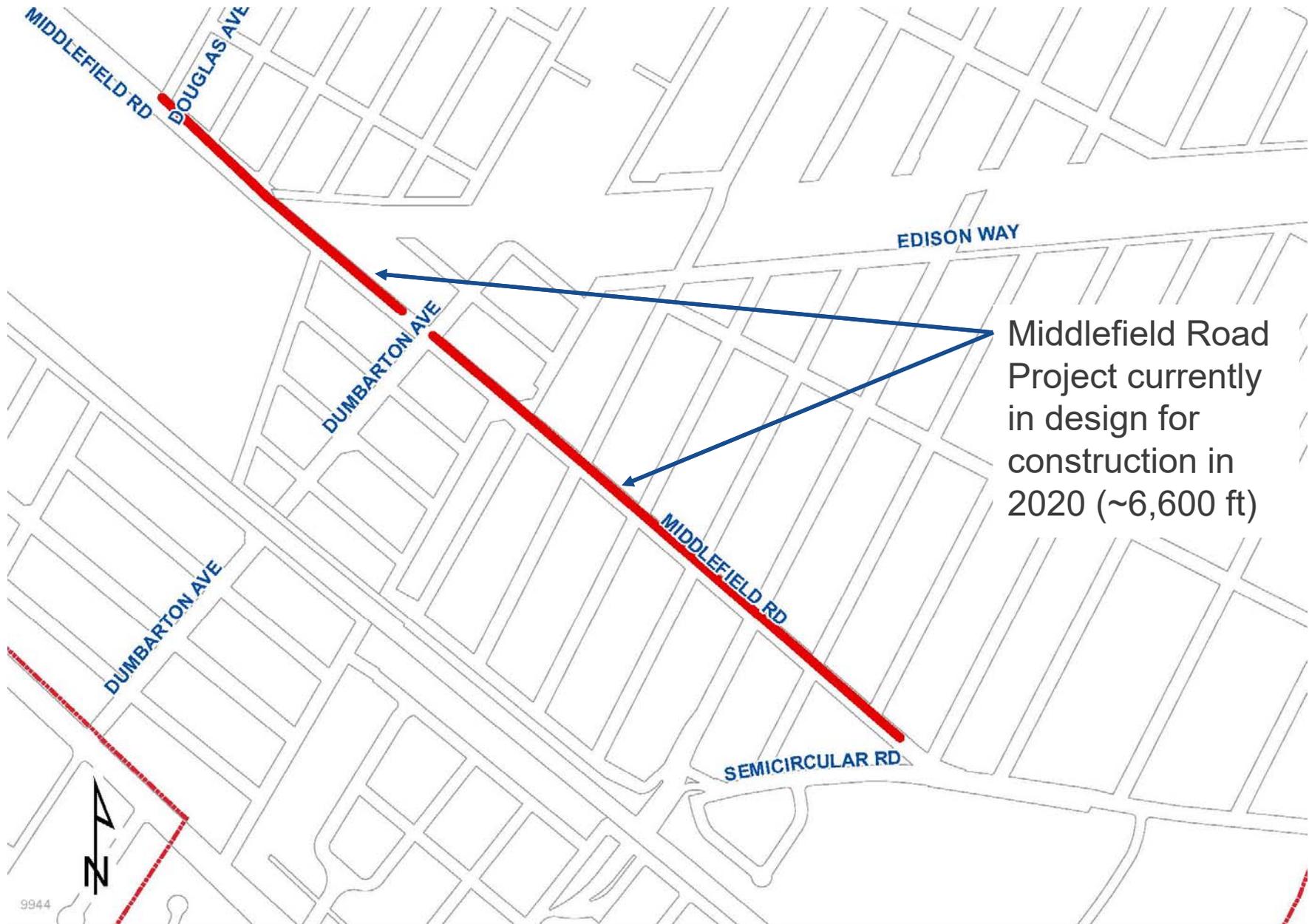


## ***PRIORITY OF CAPITAL IMPROVEMENT PROJECTS:***

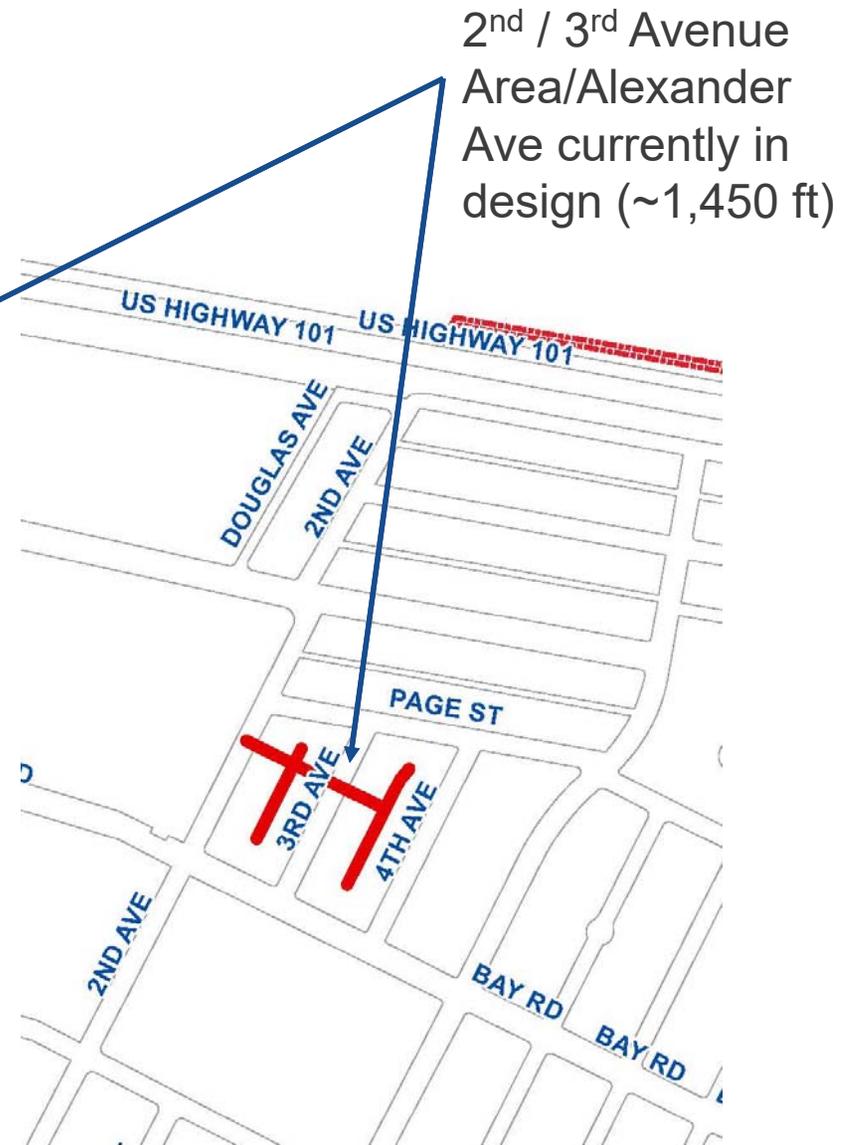
<b><u>Project Location</u></b>	<b><u>Estimated Cost</u></b>
<b><u>Currently in Design</u></b>	
2 <sup>nd</sup> / 3 <sup>rd</sup> Avenue Area/Alexander Ave (~1,450 ft)	\$580,000 <i>(2019-20)</i>
Middlefield Road (Douglas Ave to 7 <sup>th</sup> Ave) (~6,600 ft)	\$5,622,000 <i>(2020-21)</i>
Repair access road along Redwood Creek easement to facilitate maintenance	\$500,000 <i>(2020-21)</i>
<b><u>Future Projects</u></b>	
Woodside Road, Santiago Ave, Hull Ave, Santa Clara Ave, Milton St, Himmel Ave, Nimitz Ave (~6,200 ft)	\$2,517,000
Hoover St easement (~645 ft)	\$274,000
6 <sup>th</sup> Ave, Spring St, 5 <sup>th</sup> Ave (~2,400 ft)	\$1,270,000
Future projects based on hydraulic modeling and CCTV inspection (~6,100 ft)	\$2,430,000



# Recommended Capital Improvement Projects



# Recommended Capital Improvement Projects

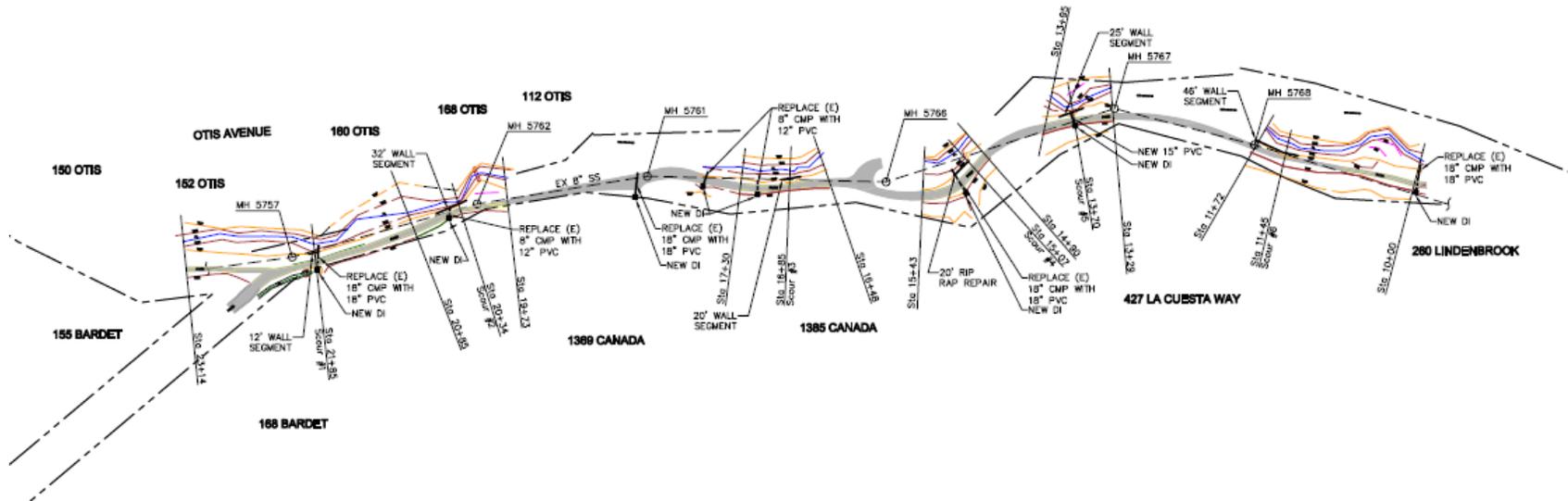


2<sup>nd</sup> / 3<sup>rd</sup> Avenue  
Area/Alexander  
Ave currently in  
design (~1,450 ft)

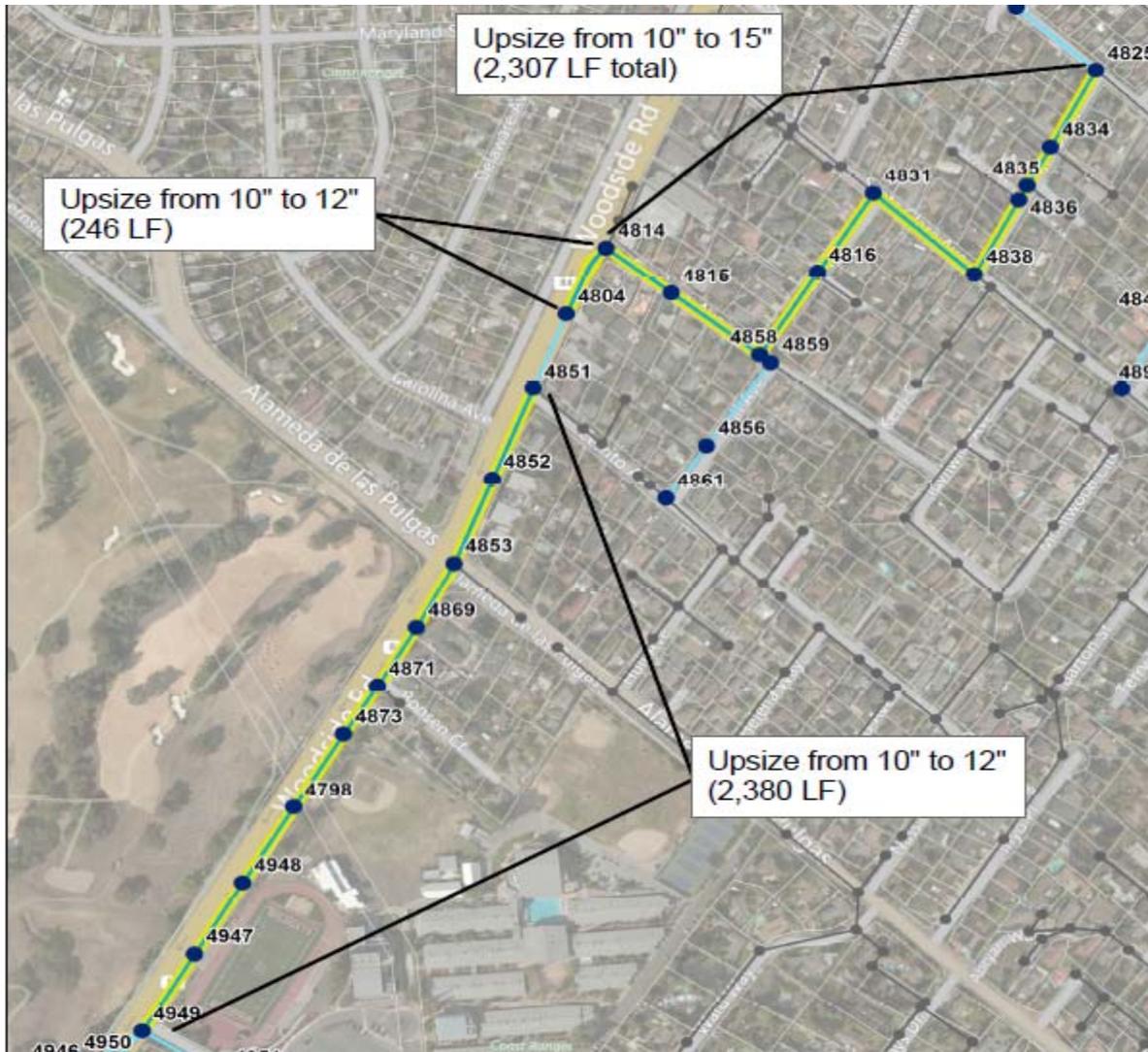
# Recommended Capital Improvement Projects



Restore  
Maintenance  
Vehicle Access  
along Redwood  
Creek



# Recommended Capital Improvement Projects



Capacity Improvement Project (Woodside Road, Santiago Ave, Hull Ave, Santa Clara Ave, Milton St)



# Recommended Capital Improvement Projects



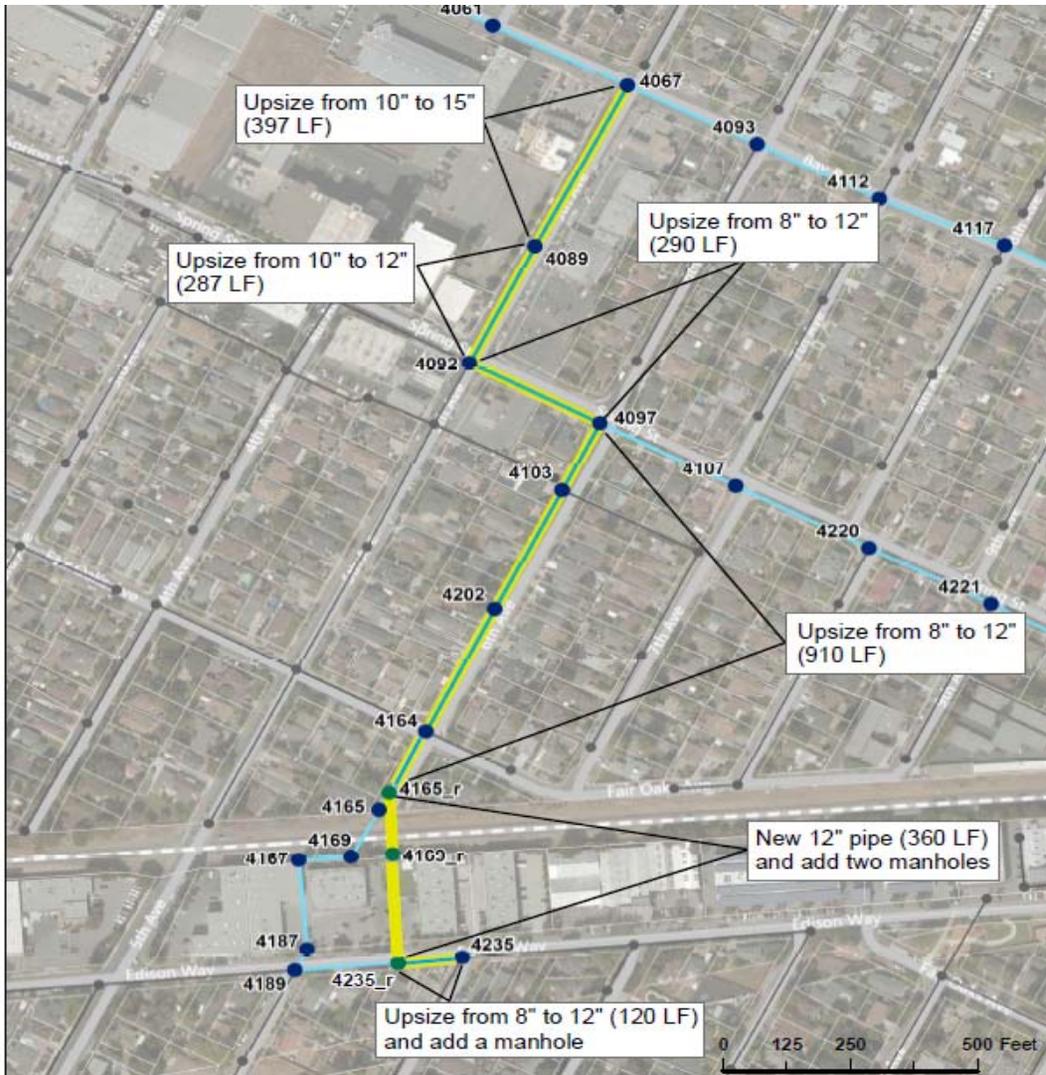
Capacity Improvement Project (Himmel Ave, Nimitz Ave)



# Recommended Capital Improvement Projects



# Recommended Capital Improvement Projects



Capacity Improvement Project  
(6<sup>th</sup> Ave, Spring St, 5<sup>th</sup> Ave )



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

## ***PAYING FOR SEWAGE TRANSPORT, TREATMENT, AND DISPOSAL***

- ***Sewage Transport, Treatment, and Disposal***
  - ***Agreement with the City of Redwood City for sewage transport through City pipes with treatment and disposal at the SVCW***
  - ***Fair Oaks SMD pays City sewage treatment and disposal fees based on volume of sewage (gallons per day)***



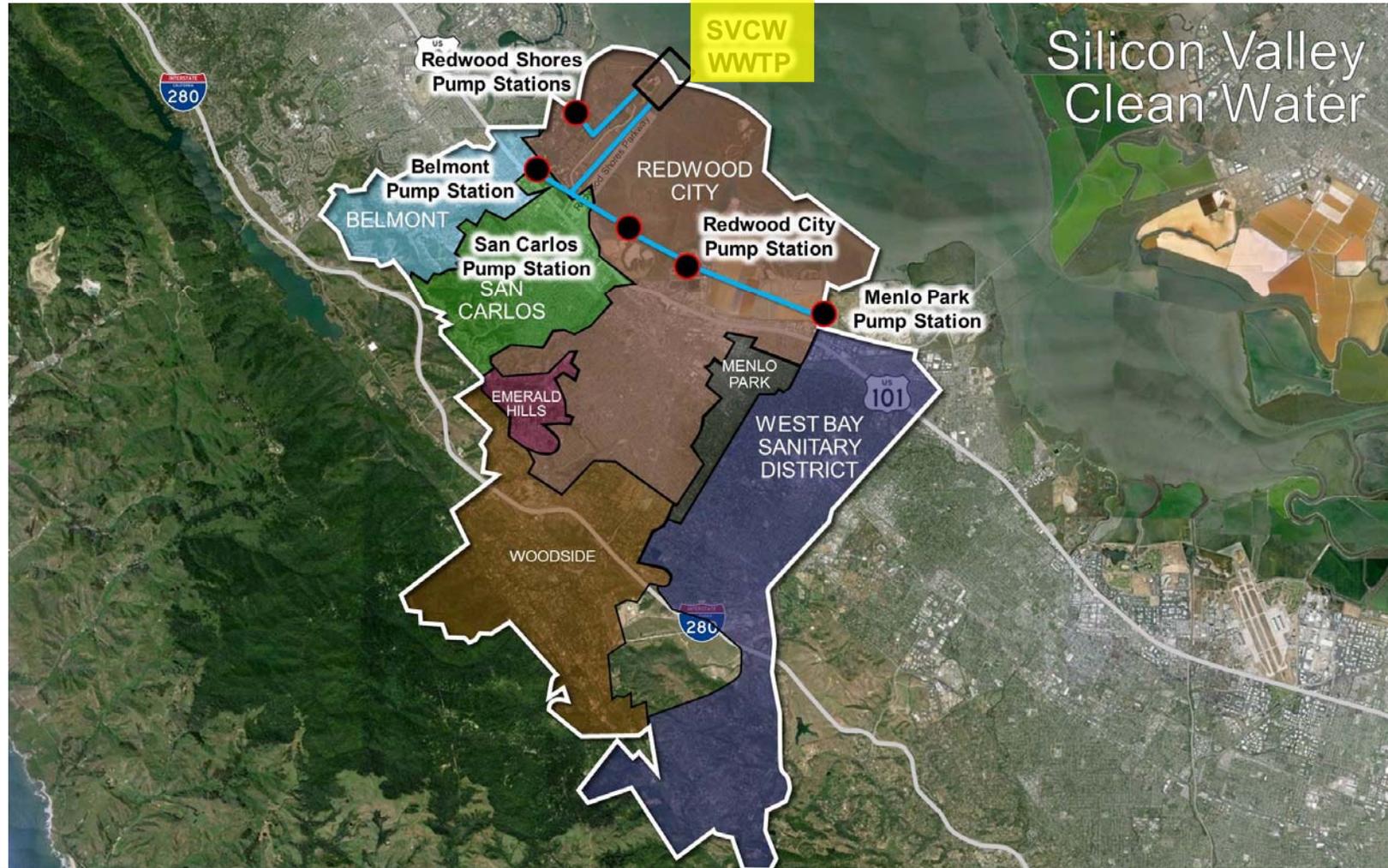
# **ELEMENTS OF THE SEWER SERVICE RATES** **– OUT OF DISTRICT COSTS**

## ***PAYING FOR SEWAGE TRANSPORT, TREATMENT, AND DISPOSAL***

- ***SVCW charges member agencies (Redwood City, San Carlos, Belmont, and West Bay Sanitary District) for its improvements***
  - ***Capital improvements will replace equipment which have reached the end of their useful lives***
  - ***SVCW has spent \$290 million thru October 2018 (over 11 years)***
  - ***In January 2019, SVCW estimates \$559 million in CIP expenditures over the next 8 years***



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



Source: Silicon Valley Clean Water



# SVCW REGIONAL ENVIRONMENTAL SEWER CONVEYANCE UPGRADE (RESCU) PROGRAM

## **PUMP STATIONS AND FORCE MAIN PROJECTS:**

Stage 1  
Services  
Complete  
January  
2020



Figure ES-2. Overall RCPS layout – plan view

Source: Silicon Valley Clean Water



# SVCW REGIONAL ENVIRONMENTAL SEWER CONVEYANCE UPGRADE (RESCU) PROGRAM

## FRONT OF PLANT PROJECT:

### Conceptual Plans

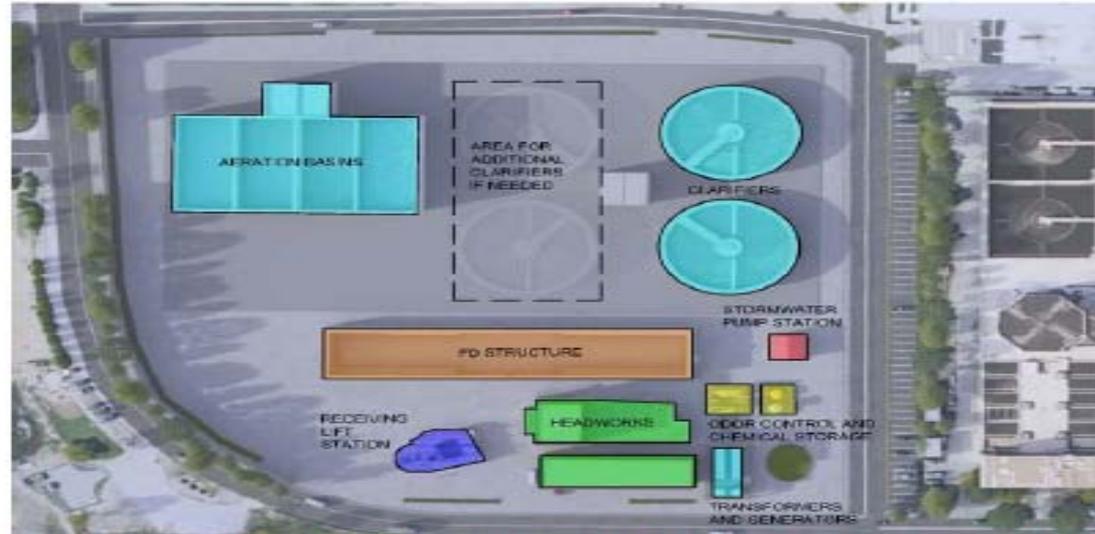


Figure 18 - Rendering of the future front of plant (including future aeration tanks and clarifiers)

Stage 2D  
Completion  
October  
2022



Figure 19 - Rendering of the future front of plant

Source: Silicon Valley Clean Water



# SVCW REGIONAL ENVIRONMENTAL SEWER CONVEYANCE UPGRADE (RESCU) PROGRAM

## GRAVITY PIPELINE PROJECT:



Source: Silicon Valley Clean Water

# Gravity Pipeline

Final Commissioning  
July 2022



Replacement of failing sewer force main with 17,600 feet of gravity pipeline in a 15 foot outside diameter tunnel deep under Redwood Shores



# **SVCW REGIONAL ENVIRONMENTAL SEWER CONVEYANCE UPGRADE (RESCU) PROGRAM**

- ***Belmont, Menlo Park, Redwood City, San Carlos Pump Stations and Force Main Projects:***
  - ***Estimated Cost – \$103.93 million***
- ***Front of Plant Project:***
  - ***Estimated Cost – \$137.81 million***
- ***Gravity Pipeline Project:***
  - ***Estimated Cost – \$253.25 million***
- ***SVCW RESCU Program Information Link:***
  - ***<https://svcw-rescu.org/>***

Source: Silicon Valley Clean Water



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

## **REDWOOD CITY AND DISTRICT SHARES OF SVCW EXPENDITURES**

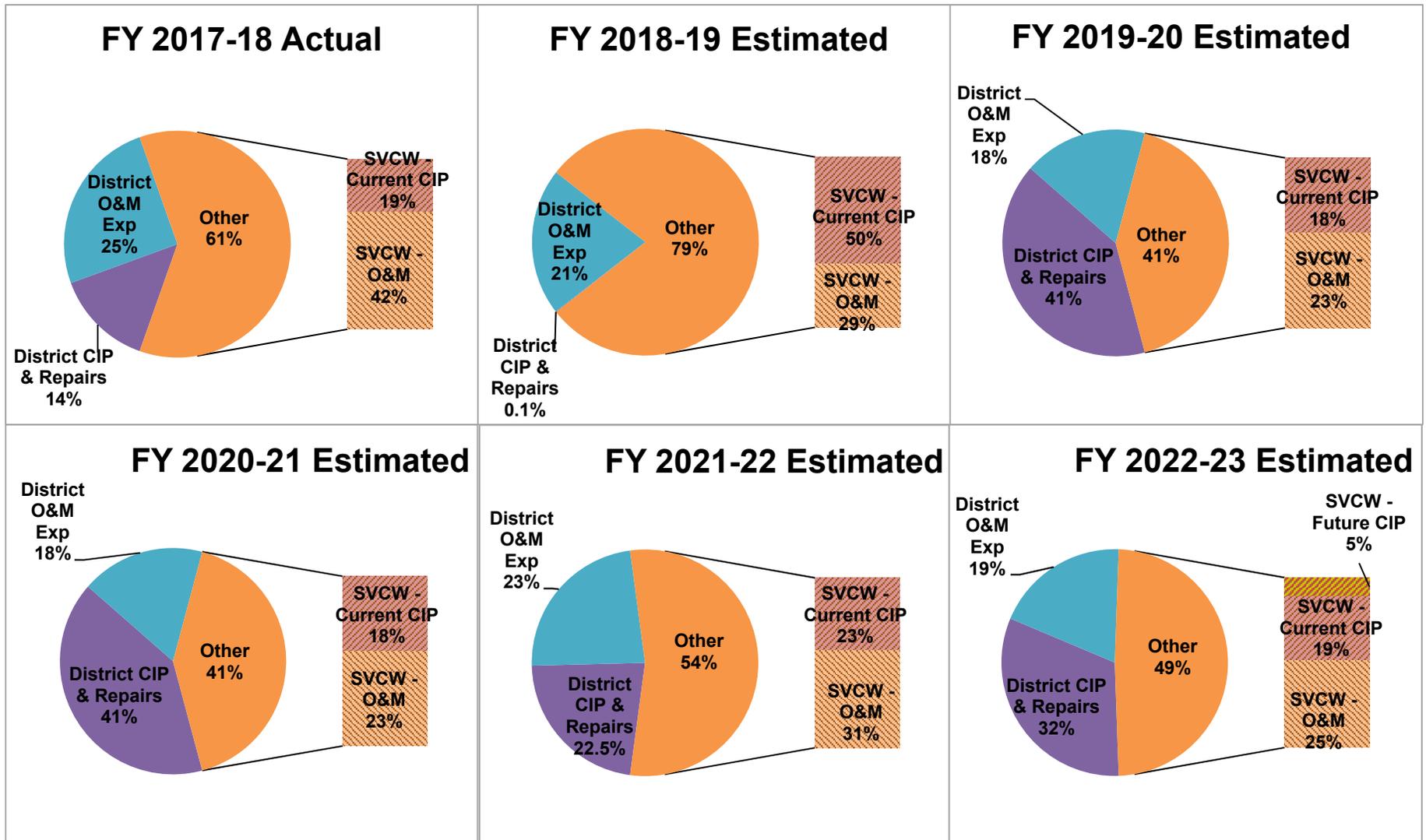
Redwood City's SVCW Payment	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
SVCW Operating Expense	\$ 11,245,294	\$ 11,679,163	\$ 12,117,333	\$ 12,597,563	\$ 12,580,921	\$ 12,479,916	\$ 12,854,541
SVCW Non-Operating Expense							
<i>Revenue Funded Capital</i>	\$ 721,507	\$ 874,260	\$ 728,550	\$ 728,550	\$ 728,550	\$ 728,550	\$ 728,550
<i>New Cash Reserves</i>	\$ 477,945	\$ 485,700	\$ 728,550	\$ 971,400	\$ 1,214,250	\$ 1,457,100	\$ 1,699,950
<b>Subtotal SVCW Transport and Treatment</b>	<b>\$ 12,444,746</b>	<b>\$ 13,039,123</b>	<b>\$ 13,574,433</b>	<b>\$ 14,297,513</b>	<b>\$ 14,523,721</b>	<b>\$ 14,665,566</b>	<b>\$ 15,283,041</b>
SVCW Debt Service through City of RWC							
<i>2009 SVCW Bond</i>	\$ 2,185,415	\$ 1,481,626	\$ -	\$ -	\$ -	\$ -	\$ -
<i>2014 SVCW Bond</i>	\$ 2,071,587	\$ 2,071,801	\$ 2,072,874	\$ 2,072,338	\$ 2,072,874	\$ 2,071,667	\$ 2,071,399
<i>2015 SVCW Bond</i>	\$ 1,005,050	\$ 1,568,650	\$ 2,795,250	\$ 2,789,000	\$ 2,790,000	\$ 2,783,125	\$ 2,783,250
<i>2018 SVCW Bond</i>	\$ 4,559,729	\$ 4,561,894	\$ 4,559,769	\$ 4,559,269	\$ 4,560,144	\$ 4,562,144	\$ 4,560,144
<i>SRF Loan for Administration Building project</i>	\$ 1,315,327	\$ 1,315,327	\$ 1,315,327	\$ 1,315,327	\$ 1,315,327	\$ 1,650,460	\$ 1,650,460
<i>Repayment of Cash Contribution in lieu of Debt</i>	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Proposed New Revenue Bonds</i>	\$ -	\$ -	\$ -	\$ -	\$ 353,395	\$ 353,395	\$ 353,395
<i>Proposed New SRF Loans</i>	\$ -	\$ -	\$ -	\$ -	\$ 2,803,559	\$ 2,803,559	\$ 2,803,559
<i>Proposed New WIFIA Loan</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Subtotal SVCW Debt Service through City of RWC</b>	<b>\$ 21,137,108</b>	<b>\$ 10,999,298</b>	<b>\$ 10,743,220</b>	<b>\$ 10,735,934</b>	<b>\$ 13,895,299</b>	<b>\$ 14,224,350</b>	<b>\$ 14,222,207</b>
Proposed New SRF Loans	\$ 33,581,854	\$ 24,038,421	\$ 24,317,653	\$ 25,033,447	\$ 28,419,020	\$ 28,889,916	\$ 29,505,248
FOSMD % of RWC flow	23.40%	23.40%	23.40%	23.40%	23.40%	23.40%	23.40%
<b>FOSMD portion of Redwood City's SVCW Payment</b>	<b>\$ 7,858,154</b>	<b>\$ 5,624,991</b>	<b>\$ 5,690,331</b>	<b>\$ 5,857,827</b>	<b>\$ 6,650,051</b>	<b>\$ 6,760,240</b>	<b>\$ 6,904,228</b>

# PROPOSED RATE

	Sewer Service Rate (\$/Year Per Equivalent Residential Unit)	
	FY 2018-19	Proposed Rate
		FY 2019-20
<b>Fair Oaks SMD</b>	\$850	\$925 (+ \$75/yr or \$6.25/mo )

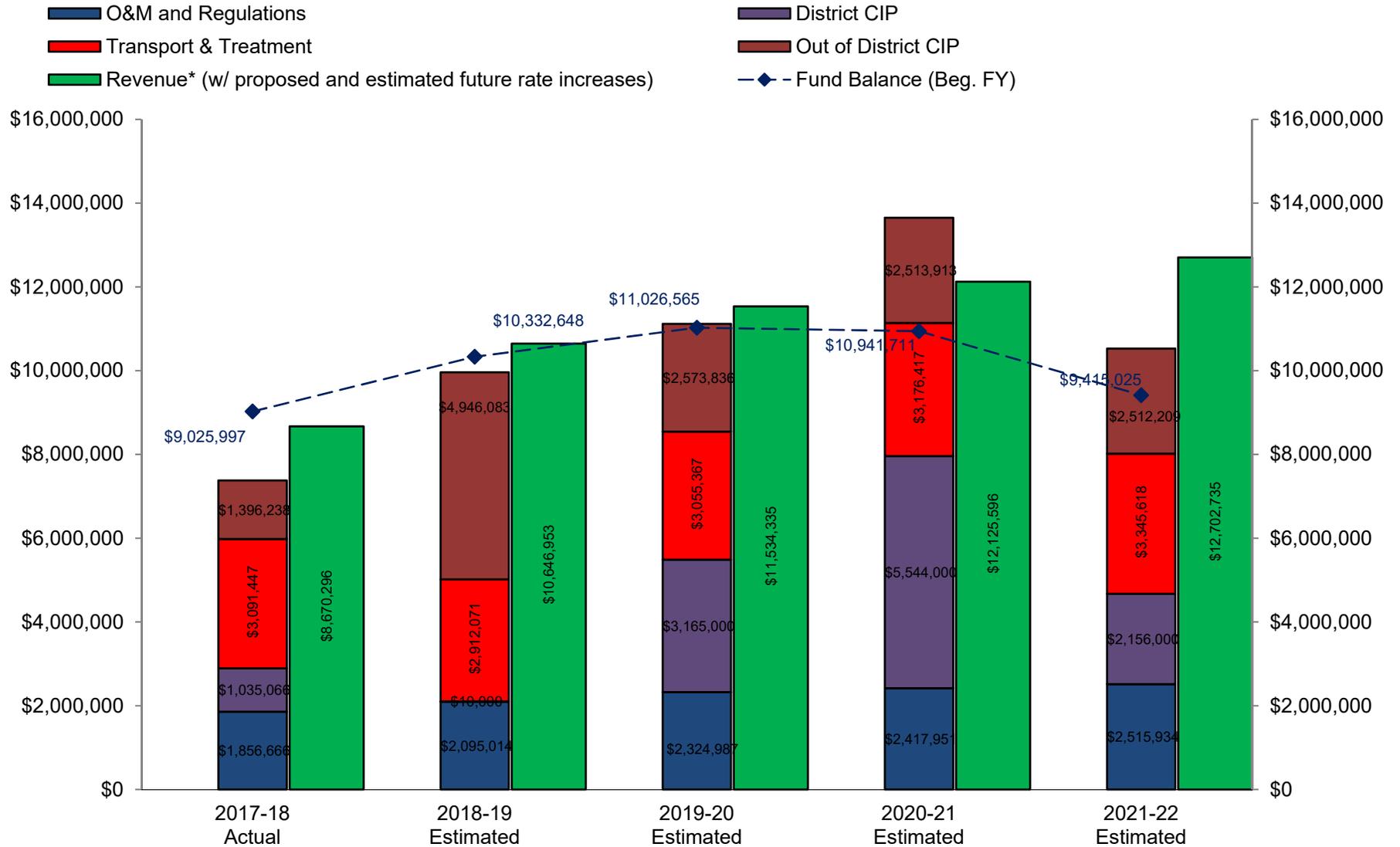


# FUTURE FISCAL YEAR PROJECTED REVENUE REQUIREMENTS



# ELEMENTS OF THE SEWER SERVICE RATES

## Fair Oaks SMD Expenditure & Revenue Comparison



\* Revenue may include: property taxes, interest, HOPTR, Sewer Service Charges, miscellaneous fees.

# RATE SETTING TIMELINE

Key Dates	Actions
April 11	Sent all property owners information about proposed rates and timing of meetings with property owners.
April 30	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 2019-20 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***

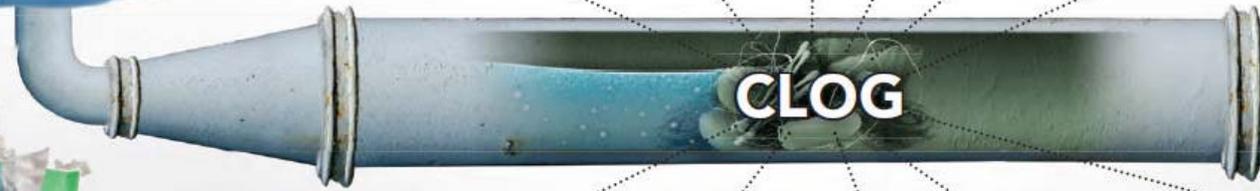
Please e-mail your comments and questions to:

[sewers@smcgov.org](mailto: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.

Photo illustration © 2017 Goldenwest Design Agency, Inc.



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

For more information please visit our website at [www.smcgov.org/sewers](http://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**

