

# SANTA CRUZ COUNTY SANITATION DISTRICT



## CAPITAL IMPROVEMENT PROGRAM REPORT

FISCAL YEARS 2026-2030

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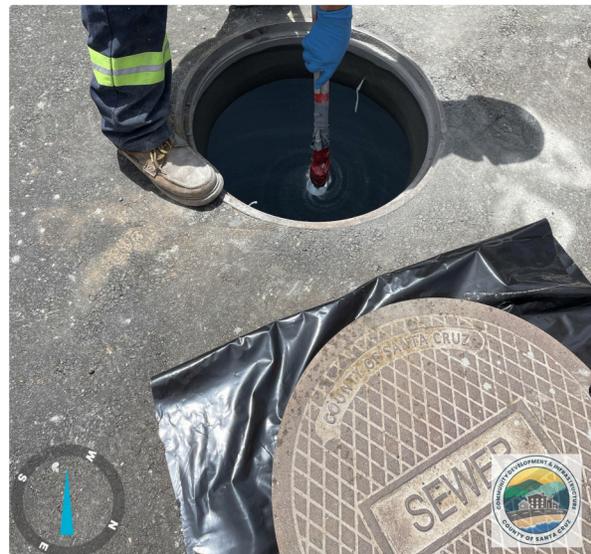
# SANTA CRUZ COUNTY SANITATION DISTRICT



## CAPITAL IMPROVEMENT PROGRAM REPORT

FISCAL YEARS 2026-2030

### INTRODUCTION



# INTRODUCTION

The purpose of this Capital Improvement Program is to identify and prioritize needs and project costs, under the direction of the Santa Cruz County Sanitation District's Board of Directors, for planned improvements to the infrastructure that will serve the District's ratepayers in an efficient and cost-effective manner throughout the next five-plus years of growth and change.

Worn out and antiquated facilities must be repaired or replaced in a timely manner in order to protect public health and safety. This report will help identify and describe specific sanitary sewer projects for pump stations, transmission lines, collector lines, and buildings, which are planned to take place over the next five-plus years, along with their estimated project costs. It will help prevent sudden shifts in the debt service requirements, inform the Board and the public about future projects, provide coordination with other County projects, and plan budget allocations for the identified capital needs. This report may also aid the District in obtaining grants and may improve the District's credit rating.



D.A. Porath Facility Overview

# FACTS ABOUT UNDERGROUND CONSTRUCTION

Underground construction is complex and costly compared to other types of construction. According to the U.S. National Committee on Tunneling Technology, Subcommittee on Management of Major Underground Construction Projects, in their executive presentation, "Recommendations for Better Management of Major Underground Construction Projects," they state that "Among today's most complicated and costly large projects are those being built underground...because geotechnical considerations assume greater importance than in other types of construction, and because the nature of underground work requires special equipment, techniques, and skills."<sup>1</sup> Because of this, in 1976, three Federal agencies requested that the National Research Council obtain a set of guidelines that could be used to address the problems of underground construction.

Underground construction is quite unique among the different types of construction projects, mainly due to the fact that you cannot see, ahead of time, the exact conditions that you will be encountering during the construction of the project. You can't physically see if there are underground waterways, huge rocks, underground utilities, buried structures, or soft or hard soil conditions.

Prior to construction, various measures are typically used to investigate what may be hidden underground; however, it is nearly impossible and not cost effective to test every square inch of the project area, thus large rocks, underground streams, undocumented utilities, old septic tanks, tree roots, old contaminated soil, gases and other noxious waste, unsuitable soils, and other surprises often show up and lead to contract change orders and increased costs to deal with the obstacle or condition. From the time of testing to the time of actual construction, soil conditions may change appreciably.<sup>2</sup> Thus, economic risk, geotechnical uncertainties, and complex technologies are inherent in underground projects.<sup>3</sup>

In addition, there is high wear and tear on equipment when having to bore or cut through rock, especially rock with high uniaxial compressive strength. This is illustrated in one project where the average strength of the rock was about 120 Megapascals and the average penetration rate was less than 1 meter/hour, sometimes going as slow as 0.36 meter/hour.<sup>4</sup> The average cutter life was far less (37.3 cubic meters/disc)<sup>5</sup> than desired (100 cubic meters/disc) and cutter replacement led to a long downtime, contributing to higher costs and delays.

Even when an underground construction project is well-planned at its inception, conditions and requirements change during execution. The key to a project's ultimate success is the identification and management of risks during construction.<sup>6</sup>

1. U.S. National Committee on Tunneling Technology, Subcommittee on Management of Major Underground Construction Projects, in their executive presentation, "Recommendations for Better Management of Major Underground Construction Projects."
2. Problems of Underground Construction in Dense Urban Settings.
3. Rock Mechanics in Underground Construction, at the 2006 International Society of Rock Mechanics\* International Symposium.
4. Rock Mechanics in Underground Construction, at the 2006 International Society of Rock Mechanics\* International Symposium.
5. Contracting Practices for the Underground Construction of the Superconducting Super Collider.
6. Problems in Underground Construction: Lessons learned and Methods Developed for Success (M. Petrov and P. Galloway, 2004).

# BOARD OF DIRECTORS

The Santa Cruz County Sanitation District Board of Directors is comprised of three elected officials plus alternates:

The County Supervisor from the Branciforte - Soquel (1<sup>ST</sup>) District, plus an alternate;

The County Supervisor from the Aptos (2<sup>ND</sup>) District, plus an alternate;

A member of the Capitola City Council, plus an alternate.

The Chairperson of the Board is a member of the Capitola City Council. The Vice-Chairperson is the 1<sup>ST</sup> District representative during even-numbered years and the 2<sup>ND</sup> District representative during odd-numbered years.

## BOARD OF DIRECTORS



**Chairperson Joe Clarke**

Representative from the City of Capitola



**Director Manu Koenig**

1<sup>ST</sup> District Supervisor



**Director Kimberly De Serpa**

2<sup>ND</sup> District Supervisor

# DISTRICT PERSONNEL

Current District personnel include the following:

## DISTRICT ENGINEER

Matt Machado

## ASSISTANT DISTRICT ENGINEER

Carolyn Burke

## DIRECTOR OF ADMINISTRATIVE SERVICES

Kim Moore

## DISTRICT COUNSEL

Michael De Smidt

## SANITATION ENGINEER

Ashleigh Trujillo

## WATER/WASTEWATER OPERATIONS MANAGER

Beatriz Barranco

## ENVIRONMENTAL PROGRAMS COORDINATOR

Marisol Goulett

## CONSTRUCTION MANAGER

Katie Beach

## DISTRICT SECRETARY

Terra Prestwich

## DEPUTY SECRETARY

Andrea Gifford



# SANTA CRUZ COUNTY SANITATION DISTRICT



## CAPITAL IMPROVEMENT PROGRAM REPORT

FISCAL YEARS 2026-2030

### HISTORY



# HISTORY AND PURPOSE OF THE DISTRICT

The Santa Cruz County Sanitation District (District) was formed as an autonomous district under the State of California, on May 9, 1973, and encompasses the community of Live Oak, the City of Capitola and portions of the communities of Aptos and Soquel. It previously consisted of three separate districts: Aptos Sanitation District, Capitola Sanitation District, and East Cliff Sanitation District. At the time of formation, it was one of the largest of its type in the State and had the highest per capita assessed valuation of any Sanitation District.

## **The objectives of the formation were to:**

- Merge resources to pay for improvements in order to be in compliance with federal orders to clean up the quality of wastewater discharged into the Pacific Ocean.
- Shut down individual sewage treatment facilities and build a sewage transmission line, from Aptos to the City of Santa Cruz's treatment facility at Neary Lagoon in the City of Santa Cruz.
- Join with the City of Santa Cruz in tripling the capacity of the City treatment facility and build a new outfall line into the Pacific Ocean.
- Secure a favorable bond rate (the larger District allowed bonds to sell at one-fourth to one-half percent lower interest rates than if they were issued by individual Districts).

The purpose of the District is to construct and maintain pipelines transporting waste from the District to the Santa Cruz City Wastewater Treatment Facility, located at Neary Lagoon, as well as to provide instruction, services, and monitoring for environmental compliance. To accomplish this last item, the District's Environmental Compliance Unit conducts programs to educate residents, professionals, and business owners about the proper use of their sewer and drainage systems in order to help preserve their own, as well as the District's, facilities and to help protect the environment.

# SANTA CRUZ COUNTY SANITATION DISTRICT

## CAPITAL IMPROVEMENT PROGRAM REPORT

FISCAL YEARS 2026-2030

### REVENUE STUDY & BUDGET



# CAPITAL IMPROVEMENT BUDGET PROGRAM

Unlike the Capital Improvement Program, the Capital Improvement Budget normally only includes the current fiscal year's projects and is prepared each year as part of the overall budget of the District.

The Santa Cruz County Sanitation District funds its capital improvement projects through collection of sewer service fees, grants, bond sales, and various state and federal loan programs.

## SIGNIFICANT PLANNED PROJECTS

Of the fifty capital improvements planned for the 2026-2030 fiscal years, the most significant are the: Upper Rodeo Gulch Trunkline & Soquel Bridge Sewer Replacement (the pipe work is completed but some bridge work remains); Seacliff/Rio Del Mar Sewer Rehabilitation; Capitola Village Sewer Rehabilitation – Phase 1; Soquel Village Sewer Rehabilitation – Phase 2; D.A. Porath Valve Replacement and Emergency Bypass; D.A. Porath Pump Station Capacity Upgrade; 2028 Sewer Pipe Rehabilitation; and Soquel Pump Station Auxiliary Wet Well. Additionally, the East Cliff Transmission Main Relocation project will be a significant project when the City of Santa Cruz retrofits the Murray Street Bridge during the next couple of years.

## RECENTLY COMPLETED PROJECTS

Significant pipe projects recently completed include the Job Order Contracting (JOC) No. 1 – Pipe Repairs, West Seacliff Sewer Rehabilitation Phase 1, and the pipe portion of the Upper Rodeo Gulch Trunkline projects. Together these projects will have replaced approximately 13,750 linear feet of gravity sewer main. Significant facility projects completed include the D.A. Porath Access Hatches, Flush Truck Fill Station, and the Rodeo Pump Station Capacity Upgrade. Manual transfer switch upgrades were completed at the D.A. Porath Facility, Dolphin, Brommer, and Rodeo Pump Stations and staff completed installations of uninterruptable power supplies (UPS) at various pump stations.

## FINANCIAL OUTLOOK AND BUDGET

For a more in-depth study of the District's financial outlook, attached is the 2025/26 Revenue Study prepared by Hornberger Engineering, which includes a projection of revenue requirements through the 2029/30 fiscal year.

Also attached is the District's budget for the 2025/26 fiscal year. This budget is based on the sewer service charge rates which were adopted by the District's Board on May 15, 2025. The budget has expected expenditures and contingencies of **\$75.3 million** and reserves of **\$5.9 million** for a total of **\$81.2 million**. This includes expenditures of \$32.3 million in operating expenses (\$11.5 million of which is for the District's share of operating expenses at the City of Santa Cruz's wastewater treatment plant and ocean outfall and associated debt service), \$4.4 million in debt service, \$16.5 million in wastewater capital improvement projects, and \$22.1 million in construction improvement projects.

# SANTA CRUZ COUNTY SANITATION DISTRICT

## CAPITAL IMPROVEMENT PROGRAM REPORT

FISCAL YEARS 2026-2030



**2025-2026  
REVENUE STUDY**





February 14, 2025

Mr. Matt Machado, P.E.  
District Engineer  
Santa Cruz County Sanitation District  
701 Ocean Street  
Santa Cruz, CA 95060

Subject: Santa Cruz County Sanitation District  
2025/26 Revenue Study

Dear Mr. Machado,

We are pleased to submit this five-year program of sewer service charges for the Santa Cruz County Sanitation District. The purpose of this study is to incorporate the latest costs associated with the District's projects and programs and to project revenue requirements for the years 2025/26 through 2029/30. The study is based on the projected capital costs, operation and maintenance expenses and customer information prepared by the District staff.

This study assumes three bond issues will be issued as part of the District's Capital Improvement Program funding over the next ten years. The first bond issue will be for \$24.0 million in June 2026 to fund six projects. A second bond issue will be for \$27.0 million in June 2029 to fund five projects. A third bond issue will be for \$30.0 million in June 2031 to fund the D.A. Porath facility improvements.

As a result of this study, the overall fee increase for fiscal year 2025/26 is 7.7%. Proposed fees for the individual user groups are shown in the following table. Increases of 7.5% are projected for the following four years.

We appreciate this opportunity to prepare this revenue study for the Santa Cruz County Sanitation District. Please do not hesitate to contact me if you have any questions or would like any additional information.

Sincerely,

Hornberger Engineering

Gary Hornberger

**Santa Cruz County Sanitation District  
Proposed 2025/26 Fee Increases**

User Group	Proposed 2025/26 Fees		Existing 2024/25 Fees		2025/26 Increases
	Flat Fee (\$/year)	Volume Fee (\$/HCF)	Flat Fee (\$/year)	Volume Fee (\$/HCF)	Change (%)
Single Family	\$1,155.36		\$1,073.28		7.6%
Townhomes & Condominiums	\$992.40		\$923.52		7.5%
Multiple Family & ADUs	\$992.40		\$923.52		7.5%
Mobile Homes	\$845.64		\$788.64		7.2%
Bakeries/Donut Shops	\$451.44	\$16.96	\$427.08	\$15.42	9.6%
Restaurants/Catering	\$451.44	\$16.96	\$427.08	\$15.42	9.6%
Food Processing	\$451.44	\$20.20	\$427.08	\$18.20	10.9%
Hospitals/Convalescent Hospitals	\$451.44	\$13.20	\$427.08	\$12.14	8.7%
Other Businesses	\$451.44	\$12.61	\$427.08	\$11.64	7.6%
Schools (Sr. High ADA Basis) (1)	\$451.44	\$43.85	\$427.08	\$40.56	8.1%
Schools (Sr. High Usage Basis)	\$451.44	\$12.15	\$427.08	\$11.24	8.1%
Schools (Elem. & Jr. High ADA Basis) (1)	\$451.44	\$29.27	\$427.08	\$27.08	7.9%
Schools (Elem. & Jr. High Usage Basis)	\$451.44	\$12.15	\$427.08	\$11.24	7.9%
Junior Colleges (2)	\$451.44	\$38.63	\$427.08	\$35.73	8.1%
State Parks	\$451.44	\$12.15	\$427.08	\$11.24	8.0%
Dominican Hospital	\$451.44	\$13.20	\$427.08	\$12.14	8.7%
Chaminade	\$451.44	\$17.48	\$427.08	\$15.85	10.3%
Overall Increase					7.7%

- (1) Volume Rate = \$/ADA/year
- (2) Volume Rate = \$/FTES/year

**SANTA CRUZ COUNTY SANITATION DISTRICT**

**2025/26 REVENUE STUDY**



**February 2025**

**Hornberger Engineering**  
San Jose, California

## **SANTA CRUZ COUNTY SANITATION DISTRICT 2025/26 REVENUE STUDY**

### **Introduction**

The Santa Cruz County Sanitation District will require approximately 7.5% to 7.7% annual increases in revenue from fees for sewer service in the next five fiscal years, 2025/26 through 2029/30. The overall fee increase for 2025/26 developed in this study is 7.7%. These increases are primarily related to increased operating expenses and capital projects at the wastewater treatment plant operated by the City of Santa Cruz, the District's operating costs and debt service with an additional \$51 million in bonds, and general inflation.

The District staff has reviewed connection charge revenue, capital outlay needs, operation and maintenance expenses, debt service and miscellaneous revenues for the next five fiscal years. Based on this updated information, proposed fees for sewer service in 2025/26 and estimated fees through 2029/30 have been calculated. The development of these fees is discussed in the following sections.

### **Requirements for Sewer Service Fees**

The District's fees for sewer service are subject to the requirements contained in the Revenue Program Guidelines issued by the California State Water Resources Control Board. This is a condition of the State and Federal grants and loans received by the District.

The Guidelines require that fees for sewer service be designed to recover adequate revenues for the operation and maintenance of the District's facilities. In addition, each user and user class must pay its proportional share of those costs, based on its proportional contribution to the total wastewater loadings from all users. The District's sewer service fees have been reviewed by the State Water Resources Control Board staff and are in compliance with the Guidelines.

The District's fees are also subject to the requirements of Proposition 218. This proposition, passed in 1996, requires that fees shall not exceed the proportional cost of service attributable to any parcel.

**Customer Revenue**

The projected revenue received for sewer service under the current 2024/25 fees has increased by \$367,000 as shown in Table 1. This is a combination of a \$89,000 increase in residential revenue and a \$278,000 increase in nonresidential revenue. The most significant usage increases in 2024 were for restaurants and other business, both of which were up 8%. The increase in customer revenue has the effect of decreasing the proposed 2025/26 sewer service fees by 1.0%.

**Table 1  
Customer Revenue at Current 2024/25 Fees**

Year	Residential Revenue (\$/year)	Nonresidential Revenue (\$/year)	Total Revenue (\$/year)
2024/25	\$29,397,000	\$5,682,000	\$35,079,000
2025/26	\$29,486,000	\$5,960,000	\$35,446,000
Difference	\$89,000 0.3%	\$278,000 4.9%	\$367,000 1.0%

**Connection Charge Revenue**

Actual connection charge revenue the past three years has averaged \$404,000. Based on actual revenues, connection charges of \$400,000 have been projected for 2025/26 and the following years.

**Capital Improvement Program Funding**

Connection charge revenue and contributions from rates are used to fund the District’s Capital Improvement Program projects that are not funded by loans or grants. The funding for 2025/26 is \$2,984,000. This will be generated by \$400,000 in connection charge revenue and \$2,584,000 in sewer service fees. The funding for those projects in the five years of the study period is show in Table 2. The projects included in this program are listed in Table 3. Existing fund balances will be used for the additional costs of these projects.

**Table 2  
Capital Improvement Program Funding**

Item	Annual Capital Improvement Program Funding				
	2025/26 (\$/year)	2026/27 (\$/year)	2027/28 (\$/year)	2028/29 (\$/year)	2029/30 (\$/year)
Connection Charge Revenue	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
Contribution from Rates	\$2,584,000	\$3,942,000	\$4,841,000	\$8,573,000	\$8,879,000
Capital Improvement Program Funding	\$2,984,000	\$4,342,000	\$5,241,000	\$8,973,000	\$9,279,000

**Table 3  
District Funded Capital Improvement Program**

Project	2025/26	2026/27	2027/28	2028/29	2029/30
East Cliff Trans. Main Replacement at Murray St. Bridge	\$714,000				
Flowmeter Replacements and Repairs	\$40,000		\$45,000		\$45,000
Transmission Line Inspection	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
SCADA System Improvements	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Pump Station Sewage Level Monitoring	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Cathodic Protection	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000
Road Repairs	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Consulting Engineering Services	\$450,000	\$500,000	\$500,000	\$500,000	\$500,000
Minor Projects	\$2,000,000	\$600,000	\$1,000,000	\$1,000,000	\$1,000,000
East Cliff Force Main Inspection	\$200,000				
East Cliff Force Main Repairs - II		\$900,000			
D.A. Porath PS Valve Replacements and Bypass	\$1,600,000				
Moosehead Realignment	\$1,300,000				
Santa Cruz Harbor Area Sewer Rehab Phase 2				\$100,000	
Rio Del Mar Sewer Rehab Phase 2				\$100,000	
Concrete Stairs Rehab (Conc Rehab Various PS)			\$475,000		
Soquel Pump Station Auxiliary Wet Well	\$100,000				
2028 Sewer Pipe Rehabilitation Project			\$100,000	\$4,900,000	
D.A. Porath Pump Station Study	\$200,000				
Seacliff Pump Station Capacity Upgrade	\$200,000				
Sea Level Mitigation	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
Other Rehab (Collection and Operations)		\$1,800,000	\$2,300,000	\$1,500,000	\$6,000,000
Contingencies	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
<b>Total District Funded Capital Projects</b>	<b>\$7,904,000</b>	<b>\$4,850,000</b>	<b>\$5,470,000</b>	<b>\$9,150,000</b>	<b>\$8,595,000</b>

**Operation and Maintenance Expenses**

The projected operation and maintenance expenses include treatment costs paid to the City of Santa Cruz and the District's expenses for pump station and collection line maintenance, engineering, source control and fixed assets.

As shown in Table 4, projected treatment expenses have increased from those used in the 2024/25 fees. The District’s share of treatment operations costs has increased by \$1,011,000 due to utility costs, chemical costs and inflation. Significant increases in projects at the treatment plant are projected for the five-year study period. These projects are shown in Table 5. The District’s 8/17 share of capital projects has increased by \$696,000. The total increase in City treatment costs for 2025/26 is \$1,707,000.

**Table 4  
2025/26 City Treatment Expenses**

Year	Operations (\$/year)	Capital (\$/year)	Total (\$/year)
2024/25	\$6,045,000	\$3,721,000	\$9,766,000
2025/26	\$7,056,000	\$4,417,000	\$11,473,000
Difference	\$1,011,000 16.7%	\$696,000 18.7%	\$1,707,000 17.5%

As shown in Table 6, the District’s O&M expense projections for the next fiscal year have increased by \$1,960,000 from those used in the 2024/25 fees. This includes increases of 11.7%, or \$1,907,000, in operating costs and a \$53,000 increase in routine capital expenses. The largest increases were for sulfide control and engineering which accounted for 33% and 16%, respectively, of the total increase.

**Table 5  
Treatment Plant Capital Improvement Program**

Project	2025/26	2026/27	2027/28	2028/29	2029/30
Equipment Replacement	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
Nearby Park Mitigation CIP	\$525,000	\$275,000	\$275,000	\$275,000	\$275,000
Jessie St. Park CIP	\$200,000				
Upgrade Digester Equipment/Cleaning	\$800,000		\$800,000		\$800,000
Electrical System Upgrade Design	\$2,000,000	\$2,000,000			
Modernize Lab	\$1,500,000				
WWTP Infrastructure and Major Equipment	\$3,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000
<b>Total Treatment Plant Capital Projects</b>	<b>\$9,025,000</b>	<b>\$7,275,000</b>	<b>\$6,075,000</b>	<b>\$5,275,000</b>	<b>\$6,075,000</b>

**Table 6**  
**2025/26 District Operation and Maintenance Expenses**

Year	Operations (\$/year)	Capital (\$/year)	Total (\$/year)
2024/25	\$16,275,000	\$1,272,000	\$17,547,000
2025/26	\$18,182,000	\$1,325,000	\$19,507,000
Difference	\$1,907,000 11.7%	\$53,000 4.2%	\$1,960,000 11.2%

**Debt Service**

The District currently has three projects funded by State Revolving Fund (SRF) loans. These include \$12 million for the Aptos Transmission Relocation Project, \$5 million for the Soquel Creek Pump Station Force Main and \$3.3 million for the Valencia Creek Sewer Relocation. The Capitola/Jewel Box Sewer project was funded by a \$7 million California Infrastructure and Economic Development Bank (IBank) loan.

In June 2022 the District issued \$19.9 million in revenue bonds to fund five projects. In June 2024 the District issued \$29.0 million in revenue bonds to fund twelve projects.

The District plans to issue three additional revenue bonds starting in 2026. These include a \$24 million issue in 2026 to fund six projects, a \$27 million issue in 2029 to fund four projects, and a \$30 million issue in 2031 to fund the D.A. Porath Facility improvements.

The District is participating in a \$3.5 million IBank loan for the Ultraviolet System Replacement project at the City wastewater treatment plant. In addition, the District will be participating in the funding for the Electrical System Upgrade at the plant. The latter project is under design. The actual project cost and funding have not been established at this time. Estimated debt service for this project has been included for the study period but is subject to change at a later date. The District will pay 8/17 of the debt service for both those projects.

The proposed projects funded by these loans and bonds over the next five fiscal years are shown in Table 7. The debt service schedules for all the District’s loans and bonds for the study period are shown in Table 8.

**Table 7  
District Loan and Bond Funded Capital Improvement Program**

Project	Prior Years	2025/26	2026/27	2027/28	2028/29	2029/30
State Revolving Fund Loans:						
Aptos Transmission Relocation	\$11,982,000					
Soquel Ck. PS FM Replacement	\$5,002,000					
Valencia Creek Sewer Relocation	\$3,265,000					
Bank Loans:						
Capitola / Jewel Box Sewer	\$7,000,000					
2022 Bond Issue:						
East Cliff, Portola, & Richmond Dr.	\$7,300,000					
Upper Rodeo, Lower Rodeo Trunklines and Rodeo PS	\$8,500,000					
Arana Trunkline	\$4,100,000					
Non Project	\$45,000					
Total 2022 Bond Issue	\$19,945,000					
2024 Bond Issue:						
Eddy Lane Sewer Rehabilitation	\$1,300,000					
Soquel Village Sewer Rehabilitation Phase 2	\$9,050,000					
Seaciff/Rio Del Mar Sewer Rehabilitation	\$2,700,000					
Hidden Beach Bypass	\$600,000					
Emergency Bypass Improvements	\$610,000					
DA Porath Bypass	\$1,300,000					
Upper Rodeo Gulch Trunkline	\$2,650,000					
Capitola Pump Station Roof/Drainage	\$400,000					
West Seaciff Sewer Rehabilitation	\$5,770,000					
East Cliff Drive Sewer Rehabilitation	\$500,000					
Arana Gulch Sewer Rehabilitation	\$1,220,000					
Rodeo Pump Station Capacity Upgrade	\$2,900,000					
Total 2024 Bond Issue	\$29,000,000					
2026 Bond Issue:						
Soquel Pump Station Auxiliary Wet Well			\$3,465,100			
Capitola Capacity Upgrade			\$2,000,000			
Capitola Village Phase 1			\$5,600,000			
Soquel Creek Siphon and Bay Avenue Sewer Upgrade			\$4,500,000			
D.A. Porath Pump Station Capacity Upgrade			\$7,000,000			
Additional Capacity Projects			\$1,434,900			
Total 2026 Bond Issue			\$24,000,000			
2029 Bond Issue:						
Other Rehab Project						\$5,000,000
Santa Cruz Harbor Sewer Rehabilitation Phase 2						\$6,456,900
Rio Del Mar Sewer Rehabilitation Phase 2						\$10,594,600
2030 Sewer Pipe Rehabilitation						\$4,948,500
Total 2029 Bond Issue						\$27,000,000
City WWTP Projects:						
UV Replacement (\$3.5 million X 8/17)	\$1,647,000					
Electrical System Construction (\$36.0 million X 8/17)				16,941,000		
<b>Total Loan and Bond Funded Projects</b>	<b>\$77,841,000</b>	<b>\$0</b>	<b>\$24,000,000</b>	<b>\$16,941,000</b>	<b>\$0</b>	<b>\$27,000,000</b>

**Table 8  
District Debt Service**

Item	Annual Debt Service				
	2025/26 (\$/year)	2026/27 (\$/year)	2027/28 (\$/year)	2028/29 (\$/year)	2029/30 (\$/year)
SRF Loan - Aptos Transmission Project	\$790,000	\$790,000	\$790,000	\$790,000	\$790,000
SRF Loan - Soquel Creek Pump Station	\$219,000	\$219,000	\$219,000	\$219,000	\$219,000
SRF Loan - Valencia Creek Sewer Relocation	\$72,000	\$126,000	\$126,000	\$126,000	\$126,000
IBank Loan - Capitola/Jewel Box	\$402,000	\$401,000	\$401,000	\$400,000	\$399,000
2022 Bond Issue - 5 Projects	\$1,197,000	\$1,199,000	\$1,200,000	\$1,195,000	\$1,199,000
2024 Bond Issue - 12 Projects	\$1,656,000	\$1,653,000	\$1,654,000	\$1,654,000	\$1,652,000
2026 Bond Issue - 6 Projects		\$1,610,000	\$1,610,000	\$1,610,000	\$1,610,000
2029 Bond Issue -4 Projects					\$1,810,000
City WWTP Ibank Loan - UV Replacement	\$83,000	\$83,000	\$83,000	\$83,000	\$83,000
City WWTP Electrical System Upgrade - Construction			\$1,117,000	\$1,117,000	\$1,117,000
<b>Total Debt Service</b>	<b>\$4,419,000</b>	<b>\$6,081,000</b>	<b>\$7,200,000</b>	<b>\$7,194,000</b>	<b>\$9,005,000</b>

**Revenue Trust Interest Income**

The District uses the investment income received in the Revenue Trust Fund to fund a portion of its operating expenses every year. This reduces the total revenues required from fees for sewer service. Based on actual earnings, the projected annual interest income for 2025/26 and the following years is \$500,000.

**Reserve Fund**

The District’s Reserve Fund will have a balance of \$2,600,000 at the beginning of 2025/26 after a transfer out of \$1,900,000 in 2023/24. The District’s plan is to continue increases of \$300,000 over the next two years plus an additional transfer back into this fund of \$700,000 in 2027/28. Additional transfers would continue in the following years. This will bring the balance to \$4,200,000 by the end of 2029/30. These amounts will be recovered annually through sewer service fees.

**Total Revenues**

Projected revenues required for 2025/26 through 2029/30 from fees for sewer service are shown in Table 9. The total revenue required in 2025/26 is \$38,165,000 which will require an overall fee increase of \$2,719,000 or 7.7%. Annual fee increases for the following four years are projected to be 7.5%.

**Table 9  
Total Revenue Requirements**

Item	Annual Revenue Requirement				
	2025/26 (\$/year)	2026/27 (\$/year)	2027/28 (\$/year)	2028/29 (\$/year)	2029/30 (\$/year)
Capital Improvement Funding	\$2,584,000	\$3,942,000	\$4,841,000	\$8,573,000	\$8,879,000
Debt Service	\$4,419,000	\$6,081,000	\$7,200,000	\$7,194,000	\$9,005,000
City Treatment	\$11,473,000	\$10,803,000	\$10,407,000	\$10,211,000	\$10,804,000
District O&M	\$19,507,000	\$19,991,000	\$21,015,000	\$21,360,000	\$22,070,000
Reserve Fund	\$300,000	\$300,000	\$700,000	\$100,000	\$200,000
Revenue Collection Expense	\$382,000	\$410,000	\$441,000	\$474,000	\$510,000
Interest Earnings	(\$500,000)	(\$500,000)	(\$500,000)	(\$500,000)	(\$500,000)
<b>Total Revenue Requirement</b>	<b>\$38,165,000</b>	<b>\$41,027,000</b>	<b>\$44,104,000</b>	<b>\$47,412,000</b>	<b>\$50,968,000</b>
Fee Increase	7.7%	7.5%	7.5%	7.5%	7.5%

**Sewer Service Fees**

The proposed 2025/26 fees for sewer service, based on increased customer usage and total revenue requirements, are shown in Table 10. The overall 2025/26 fee increase is 7.7%. Residential increases are of 7.6% for single family residences, 7.5% for multiple and 7.2% for mobile homes.

These proposed fees are based the average wastewater discharges for the three residential classifications, as adopted by the District Board in January 2022. The discharge by customers in the single family classification is 5.1 HCF per month. The discharge by customers in the combined multiple family classification is 4.1 HCF per month. Mobile home discharge is 3.2 HCF per month.

Nonresidential fee increases vary based on customer size and strength of wastewater discharged. Restaurants, which have high strength wastewater, will have higher increases. Pollutant costs are a significant portion of their fees and those costs are increased as total City treatment costs increase in 2025/26. Increases for other high strength customers are similar.

A five-year fee program for the study period is shown in Table 11. This table includes adopted fees since 1991/92 and proposed increases through 2029/30.

**Table 10  
Proposed 2025/26 Fees**

User Group	Proposed 2025/26 Fees		Existing 2024/25 Fees		2025/26 Increases Change (%)
	Flat Fee (\$/year)	Volume Fee (\$/HCF)	Flat Fee (\$/year)	Volume Fee (\$/HCF)	
Single Family	\$1,155.36		\$1,073.28		7.6%
Townhomes & Condominiums	\$992.40		\$923.52		7.5%
Multiple Family & ADUs	\$992.40		\$923.52		7.5%
Mobile Homes	\$845.64		\$788.64		7.2%
Bakeries/Donut Shops	\$451.44	\$16.96	\$427.08	\$15.42	9.6%
Restaurants/Catering	\$451.44	\$16.96	\$427.08	\$15.42	9.6%
Food Processing	\$451.44	\$20.20	\$427.08	\$18.20	10.9%
Hospitals/Convalencent Hospitals	\$451.44	\$13.20	\$427.08	\$12.14	8.7%
Other Businesses	\$451.44	\$12.61	\$427.08	\$11.64	7.6%
Schools (Sr. High ADA Basis) (1)	\$451.44	\$43.85	\$427.08	\$40.56	8.1%
Schools (Sr. High Usage Basis)	\$451.44	\$12.15	\$427.08	\$11.24	8.1%
Schools (Elem. & Jr. High ADA Basis) (1)	\$451.44	\$29.27	\$427.08	\$27.08	7.9%
Schools (Elem. & Jr. High Usage Basis)	\$451.44	\$12.15	\$427.08	\$11.24	7.9%
Junior Colleges (2)	\$451.44	\$38.63	\$427.08	\$35.73	8.1%
State Parks	\$451.44	\$12.15	\$427.08	\$11.24	8.0%
Dominican Hospital	\$451.44	\$13.20	\$427.08	\$12.14	8.7%
Chaminade	\$451.44	\$17.48	\$427.08	\$15.85	10.3%
Overall Increase					7.7%

- (1) Volume Rate = \$/ADA/year
- (2) Volume Rate = \$/FTES/year

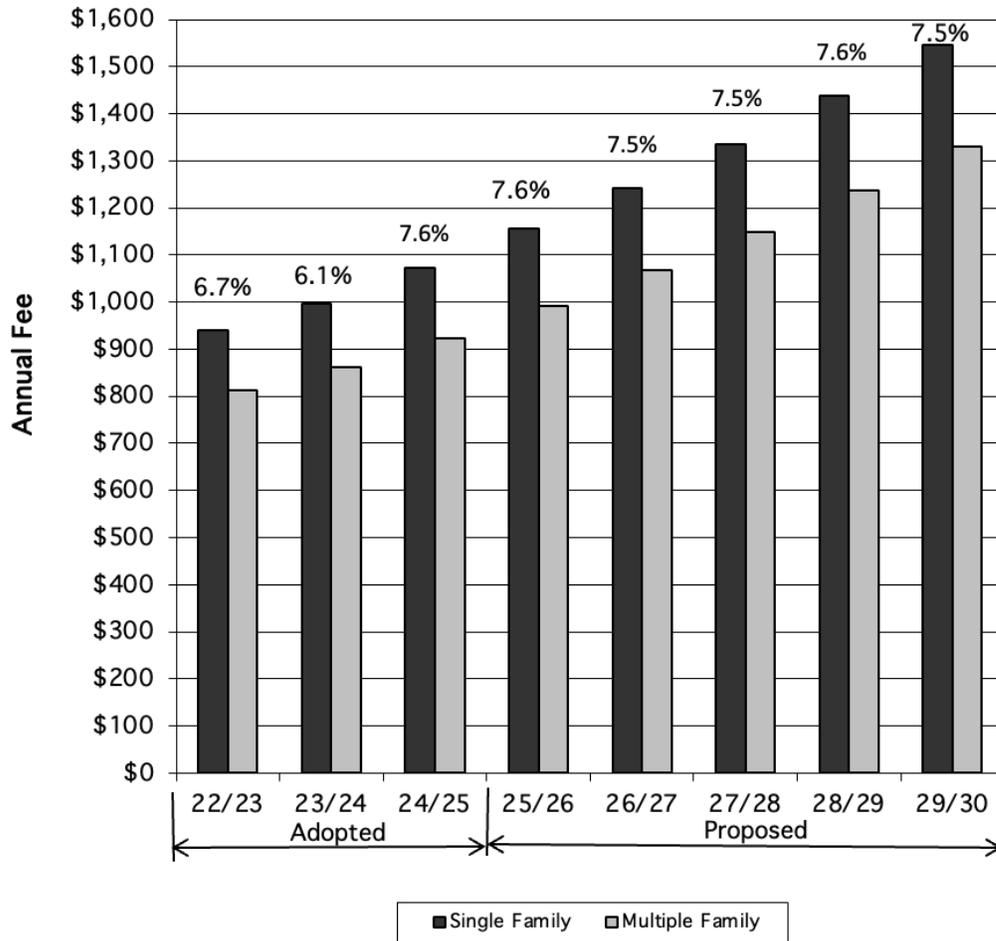
### **Summary**

The overall projected increase in fees for sewer service for fiscal year 2025/26 is 7.7%. The annual increases for the following four years are 7.5%. These increases reflect increased customer usage, additional debt service, treatment plant operating costs and capital improvements and District operating costs and capital improvements. The proposed single family and multiple family annual fees are shown in Figure 1. Future fee increases are dependent upon the magnitude of treatment and collection operating costs, general inflationary trends, interest rates and customer usage.

**Table 11  
Five-Year Fee Program**

Fiscal Year	Average Increase					
	Single Family	Multiple Family	Mobile Home	Average Other Business	Average Restaurant	Elementary School
	5.1 HCF/mo.	4.1 HCF/mo.	3.2 HCF/mo.	12 HCF/mo.	44 HCF/mo.	369 ADA
<b>Adopted</b>						
1991/92	27.1%	23.9%	23.9%			
1992/93	4.2%	13.5%	13.5%	4.5%	8.2%	0.4%
1993/94	22.4%	35.7%	35.7%	25.9%	30.3%	19.4%
1994/95	5.6%	5.4%	5.4%	5.9%	9.5%	5.5%
1995/96	5.3%	5.7%	5.7%	5.5%	-1.1%	5.9%
1996/97	4.4%	4.3%	4.3%	3.5%	9.6%	-25.8%
1997/98	3.1%	2.1%	2.1%	2.6%	12.5%	-2.0%
1998/99	2.9%	3.3%	3.3%	2.6%	2.2%	1.7%
1999/00	2.9%	3.3%	3.3%	3.2%	0.3%	2.1%
2000/01	4.7%	3.9%	3.9%	4.9%	7.9%	6.3%
2001/02	3.3%	3.0%	3.0%	3.8%	4.7%	4.0%
2002/03	9.8%	20.6%	-5.4%	-1.1%	-2.3%	-1.1%
2003/04	4.1%	4.1%	4.0%	4.6%	3.4%	5.1%
2004/05	4.9%	5.1%	5.3%	4.6%	3.7%	4.3%
2005/06	3.7%	1.2%	6.8%	5.7%	1.6%	4.9%
2006/07	2.3%	2.3%	2.5%	2.2%	-1.1%	2.7%
2007/08	3.2%	2.9%	2.6%	3.1%	6.5%	3.2%
2008/09	1.3%	0.9%	2.5%	7.2%	10.0%	7.8%
2009/10	5.2%	5.1%	5.0%	5.0%	4.3%	-30.6%
2010/11	4.2%	4.0%	4.0%	3.9%	5.5%	4.3%
2011/12	1.6%	3.9%	4.3%	11.0%	10.7%	10.6%
2012/13	3.7%	3.7%	3.7%	3.4%	2.0%	4.0%
2013/14	2.7%	2.8%	2.9%	2.0%	2.6%	2.0%
2014/15	0.2%	1.5%	3.9%	8.3%	9.9%	8.2%
2015/16	4.8%	4.9%	5.0%	2.3%	1.3%	2.4%
2016/17	2.7%	2.7%	2.7%	3.1%	1.1%	3.9%
2017/18	1.2%	4.5%	3.6%	8.7%	7.2%	9.3%
2018/19	3.3%	3.5%	3.7%	5.2%	0.7%	3.4%
2019/20	5.3%	5.3%	5.4%	5.2%	2.0%	5.7%
2020/21	2.8%	2.7%	2.6%	1.3%	2.2%	2.4%
2021/22	4.0%	4.2%	4.4%	4.3%	-0.4%	4.4%
2022/23	6.7%	6.5%	6.3%	6.4%	8.5%	-3.7%
2023/24	6.1%	6.0%	5.9%	5.9%	7.2%	6.1%
2024/25	7.6%	7.2%	6.7%	8.9%	9.8%	9.7%
<b>Proposed</b>						
2025/26	7.6%	7.5%	7.2%	7.8%	9.8%	8.0%
2026/27	7.5%	7.7%	7.9%	7.8%	4.3%	8.0%
2027/28	7.5%	7.5%	7.5%	7.3%	7.5%	7.5%
2028/29	7.6%	7.7%	7.8%	7.6%	5.3%	8.0%
2029/30	7.5%	7.5%	7.5%	7.4%	7.2%	7.7%

**Figure 1  
Annual Residential Fees**



# SANTA CRUZ COUNTY SANITATION DISTRICT

## CAPITAL IMPROVEMENT PROGRAM REPORT

FISCAL YEARS 2026-2030



**2025-2026  
ADOPTED FINAL  
BUDGET**



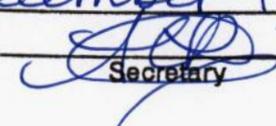


# SANTA CRUZ COUNTY SANITATION DISTRICT

701 OCEAN STREET, SUITE 410 · SANTA CRUZ, CA · 95060-4073  
 (831) 454-2160 · FAX (831) 454-2089 · TDD: (831) 454-2123 · WWW.SCCSD.US  
**MATT MACHADO, DISTRICT ENGINEER**

AGENDA DATE: DECEMBER 4, 2025

BOARD OF DIRECTORS  
 SANTA CRUZ COUNTY SANITATION DISTRICT  
 701 Ocean Street, Room 410  
 Santa Cruz, California 95060

*Adopted*  
Resolution No. 25-10 by the  
 Board of Directors, SCCSD  
 on December 4, 2025  
 ATTEST:  Secretary

SUBJECT: ADOPTION OF 2025/26 SANTA CRUZ COUNTY SANITATION DISTRICT *REVISED* FINAL BUDGET

Members of the Board:

On October 16, 2025, the Santa Cruz County Sanitation District (District) Final Budget for the 2025/26 fiscal year was adopted by the Board.

After adoption and thorough review, District staff identified project line items that were not visible in the printed version of the final Excel spreadsheet, specifically under the following funds:

- **625195 – Wastewater Capital Improvement Fund:** East Cliff Transmission Repairs/Replacement
- **136409 – SCCSD Construction Improvement Fund:** Road/Trench Repairs
- **136409 – SCCSD Construction Improvement Fund:** HYW1 Auxiliary Lane Moosehead Sewer

The funds allocated for these line items were included in the adopted budget and no changes to the Wastewater Capital Improvement Fund or SCCSD Construction Improvement Fund total budgets are needed. This staff report is to make the Board aware of the budget amounts that had been allocated to the line items that were not visible in the printed version:

### 625195 WASTEWATER CAPITAL IMPROVEMENT FUND – FIXED ASSETS (50/195)

BUDGET NO.	ITEM	2024/25 ADJUSTED	2024/25 ACTUAL	2025/26 RECOMMENDED	2025/26 ADOPTED	EXPLANATION
P54055	East Cliff Transmission Repairs/ Replacement	\$0	\$0	\$0	\$457,802	This increase will allow repairs to be made to the force main after the inspection that will occur this fiscal year.

BOARD OF DIRECTORS – SCCSD  
 DECEMBER 4, 2025  
 PAGE 2

**136409 SCCSD CONSTRUCTION IMPROVEMENT FUND (50/185)**

BUDGET NO.	ITEM	2024/25 ADJUSTED	2024/25 ACTUAL	2025/26 RECOMMENDED	2025/26 ADOPTED	EXPLANATION
P53394	HWY 1 Aux Lane Moosehead Sewer	\$0	\$345	\$1,300,000	\$1,300,000	No changes from the recommended budget to the adopted were proposed.
P53840	Road/Trench Repairs	\$50,000	\$0	\$50,000	\$50,000	No changes from the recommended budget to the adopted were proposed.

It is therefore recommended that the Board of Directors take the following actions:

1. Approve the 2025/26 *Revised* Final Budget as presented; and
2. Adopt the attached resolution adopting the *Revised* Final Budget.

Yours truly,

DocuSigned by:  
  
 MATT MACHADO  
 District Engineer

AT/BB/tlp:B2959.docx

Attachments:

Resolution Adopting Revised Final Budget

- A. Final 2025/26 *Revised* Budget
- B. Board letter of May 15, 2025

Copy to:

Nathan Nguyen, Director, City of Santa Cruz, Public Works  
 Auditor Controller  
 Business Services

BEFORE THE BOARD OF DIRECTORS  
OF THE SANTA CRUZ COUNTY SANITATION DISTRICT  
SANTA CRUZ COUNTY, CALIFORNIA

RESOLUTION NO. 25-10

On the motion of Director Koenig  
duly seconded by Alternate Director Bertrand  
the following resolution is adopted:

RESOLUTION ADOPTING REVISED FINAL BUDGET

WHEREAS, the Board of Directors of the Santa Cruz County Sanitation District held a public hearing on its proposed budget on June 12, 2025, after duly published notice, and

WHEREAS, said hearings have been terminated, during which time all additions and deletions to the proposed budget for 2025/26 were made or authorized, and

WHEREAS, after adoption and a thorough review, District staff identified project line items that were not visible in the final Excel spreadsheet, specifically under the following funds:

- **625195 – Wastewater Capital Improvement Fund:** East Cliff Transmission Repairs/Replacement
- **136409 – SCCSD Construction Improvement Fund:** Road/Trench Repairs
- **136409 – SCCSD Construction Improvement Fund:** HYW1 Auxiliary Lane Moosehead Sewer

NOW THEREFORE, IT IS HEREBY RESOLVED the *revised* final budget of the Santa Cruz County Sanitation District, for which the Board of Directors is the governing board, for the fiscal year 2025/26 be and is hereby adopted by reference to the attached *revised* final budget.

BE IT FURTHER RESOLVED that the District Engineer is authorized, as follows, to approve changes in equipment classification of fixed asset acquisitions as to quantity, type, and cost as long as the original total budget unit amounts approved by the Board of Directors are not exceeded:

1. Substitution or other items shall be limited to items of original appropriation of \$1,000 or less with a substitution cost not to exceed a unit cost of \$1,000.
2. Original items unit cost can be increased up to 15 percent provided that appropriation savings are available within the expenditure subobject. Changes in items costing more than that will continue to be approved by the Board of Directors regardless of amount.

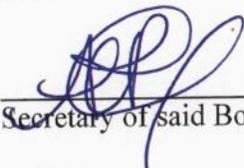
RESOLUTION NO. 25-10

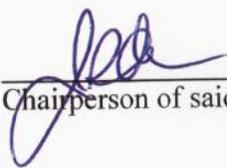
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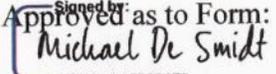
BE IT FURTHER RESOLVED that the means of financing the expenditure programs will be by monies derived from revenue to accrue and fund balance available, and they are attached hereto and made a part hereof (on file with the District Secretary).

PASSED AND ADOPTED by the Board of Directors of the Santa Cruz County Sanitation District this 4<sup>th</sup> day of December 2025, by the following vote:

AYES: ALTERNATE DIRECTOR BERTRAND, DIRECTORS KOENIG AND CLARKE  
NOES: NONE  
ABSENT: DIRECTOR DE SERPA  
ABSTAIN: NONE

ATTEST:   
Secretary of said Board

  
Chairperson of said Board

Signed by:  
Approved as to Form:  
  
77B7BAAA5B324F0...  
District Counsel

Distribution: Auditor-Controller; Business Services; Sanitation Engineer

County of Santa Cruz )  
SS.

I the undersigned Secretary of the Board of Directors of the Santa Cruz County Sanitation District, County of Santa Cruz, State of California do hereby certify that the foregoing is a true and correct copy of an resolution passed and adopted by and entered in the Minutes of said Board.

In witness whereof, I have hereunto set my hand and  
Signed the seal of the said Board on December 5, 2025  




**ATTACHMENT A**

**SANTA CRUZ COUNTY  
SANITATION DISTRICT**

***2025/26 REVISED FINAL BUDGET***



SANTA CRUZ COUNTY SANITATION DISTRICT  
ADOPTED BUDGET 2025/2026

**625175 SCCSD OPERATING FUND (50/175)**

The Operating Fund is responsible for funding the expenses for the general operations of the District. No sewer connection fee revenue can be used to fund these operations pursuant to State guidelines.

EXPENDITURES:		24/25 Adjusted	24/25 Actual	25/26 Recommended	25/26 Adopted	% Change	
P53393	62330	SCCSD-2026 Sewage Treatment - City Of Santa Cruz	10,242,261	8,648,151	11,473,000	11,598,000	1%
<b>Maintenance and Operations:</b>							
P53107	62330	Public Outreach	Opns 62,049	115,095	92,000	92,627	1%
P53110	62330	Permit Reviews	Opns 15,000	10,962	15,000	15,000	0%
P53113	62330	Spill Response-Private Prop	Opns 10,710	3,201	10,000	10,000	0%
P53115	62330	Spill Response-Main Sewer Spill	Opns 36,750	5,665	34,000	34,000	0%
P53128	62330	Pump Stations	Opns 2,322,708	2,057,776	2,466,000	2,537,451	3%
P53130	62330	Collection System	Opns 2,827,299	2,060,806	3,005,922	3,015,879	0%
P53132	62330	East Cliff Facility	Opns 1,870,169	1,825,299	2,007,609	2,023,603	1%
P53133	62330	Electrical	Opns 1,991,331	1,829,147	1,991,331	2,020,894	1%
P53136	62330	Sulfide Control	Opns 2,418,000	2,448,165	2,140,000	2,209,439	3%
P53138	62330	Utilities	Opns 780,000	855,748	840,643	840,643	0%
P53140	62330	Tree Trimming	Opns 291,040	201,465	291,040	291,040	0%
P53142	62330	Source Control Lab Work	Opns 20,000	6,018	20,000	20,000	0%
P53174	62330	Source Control Program	Opns 574,990	472,547	616,907	616,907	0%
P53190	62330	Infiltration/Inflow Reduction	Both 300,000	116,090	-	173,349	0%
P53193	62330	Green Business Program	Opns 128,544	37,257	128,544	128,544	0%
P53194	62330	Operations Lab Work	Opns 20,000	23,703	30,000	30,000	0%
P53195	62330	Annual Cathodic Protection Testing & Repairs	Opns 35,000	11,733	35,000	35,000	0%
P53198	62330	Permit Fees	Opns 54,985	44,560	57,734	57,734	0%
P53352	62330	M&O Training	Opns 110,000	28,361	50,000	67,112	34%
P53372	62330	Monarch Butterfly Habitat Plan	Opns 35,000	2,494	50,000	150,000	200%
P53390	62330	DISCHARGE PERMITS	Opns -	293	-	-	0%
P53391	62330	DOCUMENT PRODUCTION	Opns -	10,771	-	-	0%
P53259	62330	SCCSD Encroachment Permits	Engr 8,650	9,569	9,700	9,700	0%
P53164	62330	General Engineering	Engr 2,630,000	2,470,474	2,551,300	2,663,888	4%
P53168	62330	Service Charge Administration	Engr -	-	-	-	0%
<b>Salaries and Wages:</b>							
P53102	62330	Salaries-Secretaries	Engr 363,700	317,636	356,894	356,894	0%
P53104	62330	Salaries-Directors	Engr 5,000	4,596	5,000	5,000	0%
<b>Miscellaneous:</b>							
P53105	62330	Printing & Mailing	Engr 45,000	37,285	50,000	50,000	0%
P53106	62330	Office Expenses	Engr 12,500	8,591	12,500	12,500	0%
P53108	62330	Telephone & Communications	Engr 38,200	36,880	38,200	38,200	0%
P53170	62330	Accounting & Audit Fees	Engr 13,500	10,080	13,500	16,455	22%
P53178	62330	Legal Costs & Fees	Engr 159,299	133,814	160,000	160,000	0%
P53171	62330	IRWM Coordination	Engr 11,850	22,400	11,200	11,200	0%
P53188	62330	Codification Of Ordinances	Engr 7,500	1,608	8,000	14,177	77%
P53165	62330	SSMP	Opns 15,000	22,532	35,000	60,000	71%
P53196	62330	Revenue Study	Engr 30,000	17,444	30,000	30,000	0%
<b>Computers:</b>							
P53180	62330	Systems & Programming	MIS 90,000	9,546	90,000	90,000	0%
P53186	62330	Computers-Software	MIS 86,000	129,125	120,000	120,000	0%
P53192	62330	Computers-Facility Computer Mapping	MIS 130,000	181,237	140,000	140,000	0%
<b>Routine Equipment Repair &amp; Replacement:</b>							
P53152	62330	East Cliff Pump Station and Line Equip	Opns 200,000	85,940	200,000	200,000	0%
<b>Fixed Assets:</b>							
See Pg2	86204	Equipment	1,132,369	240,808	1,020,000	1,575,882	54%
See Pg2	86209	Mobile Equipment	939,528	573,083	180,000	546,446	204%
<b>Contingencies:</b>							
P53499	98700	Contingencies	130,000	-	200,000	282,186	41%
<b>TOTAL EXPENDITURES</b>			<b>30,193,932</b>	<b>25,127,955</b>	<b>30,586,024</b>	<b>32,349,749</b>	<b>6%</b>
<b>SOURCE OF FUNDS:</b>							
34400	Fund Balance		3,841,276	3,841,276	287,058	3,919,887	1266%
41322	Plan Checking Fees		4,000	15,450	5,000	5,000	0%
42451	GAIN ON SALE OF FIXED ASSET		-	5,990	-	-	0%
42462	Transfer from Revenue Trust		26,344,657	25,151,847	30,293,966	28,424,862	-6%
<b>AVAILABLE FUNDS</b>			<b>30,193,933</b>	<b>29,047,841</b>	<b>30,586,024</b>	<b>32,349,749</b>	<b>6%</b>

Engr = Engineering  
Opns = Operations  
Both = Engineering & Operations  
MIS = Management Information Services

SANTA CRUZ COUNTY SANITATION DISTRICT  
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**625175 SCCSD OPERATING FUND - SCHEDULE OF FIXED ASSETS**

Equipment:				24/25 Adjusted	24/25 Actual	25/26 Recommended	25/26 Adopted	% Change
P53226	86204	Emergency Diesel Generators (4)	R	60,000	-	-	60,000	100%
P53240	86204	Network Equipment	R	40,000	51,853	60,000	60,000	0%
P53246	86204	Motorized Valves	N	50,000	-	200,000	200,000	0%
P53256	86204	Radios	R	12,000	-	20,000	32,000	60%
P29054	86204	Cameras -TV'ing Sewer Mains	R	70,000	-	35,000	106,965	206%
P29055	86204	Mixers	R	40,000	-	50,000	90,000	80%
P53357	86204	PLC Upgrades	R	345,390	141,110	120,000	324,280	170%
P53358	86204	VFD Replacements	R	97,793	26,182	75,000	87,046	16%
P53359	86204	Pumps	R	50,000	-	50,000	100,000	100%
P53375	86204	Air Relief Valves	R	30,000	-	30,000	60,000	100%
P53376	86204	Electrical Equipment	R	255,000	21,664	300,000	375,591	25%
P53377	86204	Smartcovers	R	50,000	-	60,000	60,000	0%
P53381	86204	Smart UPS	R	32,186	-	20,000	20,000	0%
<b>Subtotal</b>				<b>1,132,369</b>	<b>240,808</b>	<b>1,020,000</b>	<b>1,575,882</b>	<b>54%</b>
<b>Mobile Equipment:</b>								
P53287	86209	Vac Truck	R	250,000	-	-	271,807	0%
P53285	86209	F550 Trucks w/ Boom	R	70,000	-	-	-	0%
P53292	86209	Fleet Pickups	R	-	-	60,000	60,000	0%
P29053	86209	Combination Vacuum Truck	N	-	-	-	-	0%
P53353	86209	Fleet - Vehicle	R	215,000	170,737	120,000	214,638	79%
P53354	86209	Flush Truck Reel	R	-	-	-	-	0%
P53355	86209	Line Equipment	R	389,528	389,528	-	-	0%
P53392	86209	Equipment Mower	N	15,000	12,818	-	-	0%
<b>Subtotal</b>				<b>939,528</b>	<b>573,083</b>	<b>180,000</b>	<b>546,446</b>	<b>204%</b>
<b>TOTAL</b>				<b>2,071,897</b>	<b>813,891</b>	<b>1,200,000</b>	<b>2,122,328</b>	<b>77%</b>

N = New  
R = Replacement  
E = Existing

SANTA CRUZ COUNTY SANITATION DISTRICT  
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**625195 SCCSD WASTEWATER CAPITAL IMPROVEMENT FUND (50/195)**

The Wastewater Capital Improvement fund is required by the provisions of the Clean Water Grants we accepted to build the East Cliff and Aptos Transmission Projects. The fund receives cash, which represents the depreciation on the facilities constructed with Clean Water grant funds. These funds are accumulated so that the facilities can be repaired or reconditioned to insure continued use.

				24/25	24/25	25/26	25/26	
EXPENDITURES:				Adjusted	Actual	Recommended	Adopted	% Change
P54002	86110	DA Porath - Facility Improvements	Opns	974,917	484,033	-	570,580	100%
P54005	86110	Transmission Line Inspection	Both	100,000	-	100,000	100,000	0%
P54023	86110	SCADA System Improvements	Opns	239,624	156,234	300,000	347,801	16%
P54038	86110	Pump Station Sewage Level Monitoring Improvement	Opns	50,000	-	50,000	50,000	0%
P54048	86110	Santa Cruz Harbor Transmission Main Rehabilitation	Engr	6,215,170	46,888	7,576,430	7,819,134	3%
P54110	86110	DA Porath Valve Replacement	Engr	1,915,900	340,782	3,150,000	3,778,066	20%
P54111	86110	DA Porath Access Hatch	Engr	374,656	260,937	-	113,719	100%
P54113	86110	Moran Station Access Hatch	Engr	75,000	-	75,000	75,000	0%
P54115	86110	Plug & Transfer Switch Upgrades	Engr	140,000	-	40,000	147,470	269%
P54117	86110	Capitola PS Roof/Drainage	Engr	370,000	-	370,000	370,000	0%
P54119	86110	Bypass (Capitola & Soquel)	Engr	710,000	-	710,000	1,710,000	141%
P54120	86110	Hidden Beach Bypass	Engr	780,000	-	802,300	802,300	0%
P54121	86110	Moran WW Rehab	Engr	90,000	-	90,000	90,000	0%
P54099	86110	Wastewater Capital Reserves	Engr	196,218	-	200,000	555,823	178%
P54018	86110	Flow Meter Replacement & Repairs	Opns	40,000	-	40,000	40,000	0%
P54055	86110	East Cliff Transmission Repairs/Replacement	Engr	-	-	-	457,802	0%
<b>TOTAL EXPENDITURES</b>				<b>12,271,485</b>	<b>1,288,873</b>	<b>13,503,730</b>	<b>17,027,696</b>	<b>26%</b>
<b>SOURCE OF FUNDS:</b>								
34400 Fund Balance				3,862,680	3,862,680	2,442,880	1,785,362	-27%
42384 Other Revenues, Transfers and Adjustments				5,515,170	-	5,742,940	5,742,940	0%
42500 Bond Proceeds 2024 (P54110,P54117,P54119,P54120)				2,893,635	-	1,580,000	4,473,635	183%
42462 Transfer from Revenue Trust Fund				-	-	3,737,910	5,025,759	34%
<b>AVAILABLE FUNDS</b>				<b>12,271,485</b>	<b>3,862,680</b>	<b>13,503,730</b>	<b>17,027,696</b>	<b>26%</b>

SANTA CRUZ COUNTY SANITATION DISTRICT  
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**136409 SCCSD CONSTRUCTION IMPROVEMENT FUND (50/185)**

The Construction Improvement Fund was established to construct needed improvements in the District.

EXPENDITURES:				24/25	24/25	25/26	25/26	% Change
				Adjusted	Actual	Recommended	Adopted	
P53394	86110	HWY 1 Aux Lane Moosehead Sewer	Engr	-	345	1,300,000	1,300,000	0%
P53603	86110	Eddy Lane Sewer Relocations	Engr	1,300,000	7,950	1,900,000	1,992,050	5%
P53609	86110	Rodeo PS Capacity Upgrade	Engr	6,419,914	3,201,111	5,000,000	2,798,889	-44%
P53610	86110	2022 Sewer Pipe Repair	Engr	60,869	170	-	-	0%
P53613	86110	Flush Truck Fill Station	Engr	115,668	65,814	-	-	0%
P53616	86110	Seacliff/RDM Sewer Rehab	Engr	1,898,741	16,314	1,600,000	1,600,000	0%
P53620	86110	Phase 2 Soquel Village Sewer	Engr	9,032,750	1,968,512	6,032,750	5,032,750	-17%
P53636	86110	2023 JOC No. 1 - Pipe Repairs	Engr	764,910	629,758	-	550,000	100%
P53637	86110	2023 JOC No. 3 - Slurry Seal and Power Wash	Engr	23,246	22,109	-	-	0%
P53640	86110	2023 JOC NO.4 North Ave	Engr	-	58,036	-	-	0%
P53642	86110	CC151/CC150 Emerg Sewer Repair	Engr	827,525	737,159	-	274	100%
P53644	86110	2024 JOC NO. 6 Slurry Seal	Engr	37,339	30,620	-	-	0%
P53650	86110	EJ21-EJ27 Sewer Replacement	Engr	-	39,111	858,000	893,889	4%
P53651	86110	2025 5th Avenue Emergency Sewer Repair	Engr	-	204,393	-	-	0%
P53652	88110	A-1 Pump Station Storm Hardening	Engr	-	5,906	250,000	250,000	0%
P53653	86110	E. Cliff Pump Station Capacity Study	Engr	-	21,006	88,660	119,905	35%
P53654	86110	Seacliff PS Capacity Upgrade	Engr	-	-	200,000	200,000	0%
P53655	86110	Soquel PS Auxiliary Wet Well	Engr	-	-	100,000	100,000	0%
P53657	86110	AA10-AA17 Vienna Dr Emergency	Engr	-	2,875	-	-	0%
P53802	86110	Pump Station Repair/Modifications	Opns	-	10,084	-	-	0%
P53809	86110	Arana P.S. Reconstruction	Engr	-	1,235	-	-	0%
P53812	86110	Minor Projects	Engr	2,001,285	-	1,770,100	2,269,140	28%
P53817	86110	Consulting Engineering Services	Engr	550,000	-	450,000	450,000	0%
P53626	86110	Capitola Village Sewer Rehab	Engr	170,000	-	170,000	170,000	0%
P53627	86110	Townsend Area Sewer Rehab	Engr	25,000	-	-	-	0%
P53628	86110	Rio Del Mar Sewer Rehab Ph 2	Engr	90,000	-	-	-	0%
P53630	86110	W. Seacliff Sewer Rehab Ph 1	Engr	5,800,213	3,185,148	250,000	250,000	0%
P53647	86110	Tannery Gulch Force Main Interconnection	Engr	400,000	1,241	-	-	0%
P53648	86110	EI48-EI49 EMERGENCY PROJECT	Engr	-	567,754	-	-	0%
P53827	86110	Lower Rodeo Trunkline	Engr	317,940	28,804	-	-	0%
P53840	86110	Road/Trench Repairs	Engr	50,000	-	50,000	50,000	0%
P53870	86110	Valencia Creek Sewer Relocation	Engr	149,812	(445)	-	-	0%
P53876	86110	Upper Rodeo Gulch Trunkline & Soquel Sewer Bridge	Engr	7,887,144	5,184,712	600,000	3,165,227	428%
P53892	86110	Arana Trunkline Replacement	Engr	4,395,880	2,700,897	800,000	900,000	12%
P53999	98700	Contingencies	Other	1,148,884	-	234,787	234,787	0%
<b>TOTAL EXPENDITURES</b>				<b>44,401,554</b>	<b>18,947,651</b>	<b>21,654,297</b>	<b>22,326,911</b>	<b>3%</b>
<b>SOURCE OF FUNDS:</b>								
34400	Fund Balance			9,902,063	9,902,063	6,106,637	31,399	-99%
42,500	Bond Proceeds 2024			26,089,999		8,889,741	16,808,186	89%
42462	Transfer from Revenue Trust			5,409,975	-	6,657,919	5,487,326	-18%
<b>AVAILABLE FUNDS</b>				<b>44,401,554</b>	<b>17,274,866</b>	<b>21,654,297</b>	<b>22,326,911</b>	<b>3%</b>

SANTA CRUZ COUNTY SANITATION DISTRICT  
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**625177 SCCSD CLEAN WATER STATE REVOLVING FUND DEBT SERVICE FUND (50/177)**

This fund was established to receive the transfers from the Revenue Trust for the payment of principle and interest to repay money borrowed under various Clean Water State Revolving Installment Agreements.

For Finance Agreement No. 09-848-550-0, the total amount borrowed was \$11,981,910 and the principal balance on June 30, 2025 was \$5,018,004. This debt will be retired in 2032.

EXPENDITURES:			24/25	24/25	25/26	25/26
			Adjusted	Actual	Recommended	Adopted
P54610	74110	Principal	648,646	648,646	664,863	664,863
P54611	74310	Interest	141,666	141,666	125,450	125,450
<b>TOTAL EXPENDITURES</b>			<b>790,313</b>	<b>790,313</b>	<b>790,313</b>	<b>790,313</b>

**SOURCE OF FUNDS:**

34400	Fund Balance	21,170	1,629	-	(0)
40430	Interest	2,000	(5,894)	100	100
42462	Transfer from Revenue Trust	767,143	794,577	790,213	790,213
<b>AVAILABLE FUNDS</b>		<b>790,313</b>	<b>790,313</b>	<b>790,313</b>	<b>790,313</b>

For Finance Agreement No. D17-01046, the total amount borrowed was \$5,000,000 and the principal balance on June 30, 2025 was \$4,619,650. This debt will be retired in 2051.

EXPENDITURES:			24/25	24/25	25/26	25/26
			Adjusted	Actual	Recommended	Adopted
P54610	74110	Principal	135,412	135,412	137,849	137,849
P54611	74310	Interest	83,791	83,791	81,354	81,354
<b>TOTAL EXPENDITURES</b>			<b>219,203</b>	<b>219,203</b>	<b>219,203</b>	<b>219,203</b>

**SOURCE OF FUNDS:**

34400	Fund Balance	-	-	-	-
40430	Interest	-	-	-	-
42462	Transfer from Revenue Trust	219,203	219,203	219,203	219,203
<b>AVAILABLE FUNDS</b>		<b>219,203</b>	<b>219,203</b>	<b>219,203</b>	<b>219,203</b>

For Finance Agreement No. C-06-8436-110, the total amount to be borrowed is \$3,265,220. The principal amount at June 30, 2025 was \$2,882,577. This debt will be retired in 2054.

EXPENDITURES:			24/25	24/25	25/26	25/26
			Adjusted	Actual	Recommended	Adopted
P54610	74110	Principal	95,293	-	61,127	92,242
P54611	74310	Interest	29,387	-	10,965	17,508
<b>TOTAL EXPENDITURES</b>			<b>124,680</b>	<b>-</b>	<b>72,092</b>	<b>109,750</b>

**SOURCE OF FUNDS:**

34400	Fund Balance	-	-	-	-
40430	Interest	-	-	-	-
42462	Transfer from Revenue Trust	124,680	-	72,092	109,750
<b>AVAILABLE FUNDS</b>		<b>124,680</b>	<b>-</b>	<b>72,092</b>	<b>109,750</b>

SANTA CRUZ COUNTY SANITATION DISTRICT  
ADOPTED BUDGET 2025/2026

**625179 SCCSD DEBT SERVICE FUND (50/179)**

This fund was established to receive the transfers from the Revenue Trust for the payment of principal and interest on the money borrowed through various lenders and instruments.

For the California Infrastructure and Economic Development Bank (iBank) Installment Sale Agreement #ISRF 19-129, the total amount borrowed was \$7M and the principle balance at June 30, 2025 was \$6,228,286. Payments of principle began in August of 2021 and the debt will be retired in 2048.

EXPENDITURES:			24/25 Adopted	24/25 Actual	25/26 Recommended	25/26 Adopted
54901	74110	Principal - Jewel Box Loan	165,017	165,017	170,727	170,727
54903	74310	Interest - Jewel Box Loan	218,353	218,353	212,545	212,545
54903	74310	Annual Fee	20,121	19,180	18,685	18,685
<b>TOTAL EXPENDITURES</b>			<b>403,491</b>	<b>402,551</b>	<b>401,957</b>	<b>401,957</b>

SOURCE OF FUNDS:			24/25 Adopted	24/25 Actual	25/26 Recommended	25/26 Adopted
34400	Fund Balance		8,129	8,129	-	100,673
40430	Interest		2,000	11,201	2,000	2,000
42462	Transfer from Revenue Trust		393,362	401,491	399,957	299,284
<b>AVAILABLE FUNDS</b>			<b>403,491</b>	<b>420,822</b>	<b>401,957</b>	<b>401,957</b>

The District issued Revenue Bonds for \$20,000,000 on June 30, 2022. Drawdowns began in begin FY 2023 and the principle balance at June 30, 2025 was \$18,905,000. Payments on this bond debt are payable semiannually and started on December 1, 2022 until the debt expires in 2052.

EXPENDITURES:			24/25 Adopted	24/25 Actual	25/26 Recommended	25/26 Adopted
54901	74110	Principal - 2022 Revenue Bonds	345,000	345,000	360,000	360,000
54903	74310	Interest - 2022 Revenue Bonds	854,419	854,419	837,169	837,169
<b>TOTAL EXPENDITURES</b>			<b>1,199,419</b>	<b>1,199,419</b>	<b>1,197,169</b>	<b>1,197,169</b>

SOURCE OF FUNDS:			24/25 Adopted	24/25 Actual	25/26 Recommended	25/26 Adopted
34400	Fund Balance		-	-	-	-
40430	Interest		-	-	-	-
42462	Transfer from Revenue Trust		1,199,419	1,199,419	1,197,169	1,197,169
<b>AVAILABLE FUNDS</b>			<b>1,199,419</b>	<b>1,199,419</b>	<b>1,197,169</b>	<b>1,197,169</b>

The District issued Revenue Bonds for \$27,990,000 on April 30, 2024. Payments on this bond debt are payable annually and began on June 1, 2025 until the debt expires in 2054. The principle balance at June 30, 2025 was \$27,195,000.

EXPENDITURES:			24/25 Adopted	24/25 Actual	25/26 Recommended	25/26 Adopted
54901	74110	Principal - 2024 Revenue Bonds	335,000	335,000	460,000	460,000
54903	74310	Interest - 2024 Revenue Bonds	1,319,127	1,317,127	1,195,950	1,195,950
<b>TOTAL EXPENDITURES</b>			<b>1,654,127</b>	<b>1,652,127</b>	<b>1,655,950</b>	<b>1,655,950</b>

SOURCE OF FUNDS:			24/25 Adopted	24/25 Actual	25/26 Recommended	25/26 Adopted
34400	Fund Balance		-	-	-	-
40430	Interest		-	-	-	-
42462	Transfer from Revenue Trust		1,654,127	1,652,127	1,655,950	1,655,950
<b>AVAILABLE FUNDS</b>			<b>1,654,127</b>	<b>1,652,127</b>	<b>1,655,950</b>	<b>1,655,950</b>

SANTA CRUZ COUNTY SANITATION DISTRICT  
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**SCCSD DEBT RESERVE FUNDS**

**625178 SCCSD CLEAN WATER STATE REVOLVING FUND DEBT RESERVE FUND (50/178)**

This fund was established during the 2019/20 fiscal year as a condition of the Clean Water State Revolving Fund, Finance Agreement No. D17-01046. The agreement requires the District to establish a Restricted Reserve Fund equal to one year's debt service. The annual payments are \$216,646 and the debt will be expired in 2050.

	24/25 Adopted	24/25 Actual	25/26 Recommended	25/26 Adopted
Contribution to Reserves	-	-	-	-
TOTAL EXPENDITURES	-	-	-	-
SOURCE OF FUNDS:				
Fund Balance (Restricted)	241,226	241,226	248,280	252,127
Interest	2,500	10,901	2,500	2,500
Transfer from Revenue Trust	-	-	-	-
RESERVE BALANCE	243,726	252,127	250,780	254,627

**625171 SCCSD CLEAN WATER STATE REVOLVING FUND DEBT RESERVE FUND (50/178-100)**

This fund was established during the 2021/22 fiscal year as a condition of the Clean Water State Revolving Fund, Finance Agreement No. 09-848-550-0. The agreement requires the District to establish a Restricted Reserve Fund equal to one year's debt service. The annual payments are \$790,313 and the debt will be expired in 2032.

	24/25 Adopted	24/25 Actual	25/26 Recommended	25/26 Adopted
Contribution to Reserves	-	-	-	-
TOTAL EXPENDITURES	-	-	-	-
SOURCE OF FUNDS:				
Fund Balance (Restricted)	836,024	836,024	872,487	872,487
Interest	6,000	36,463	6,000	6,000
Transfer from Revenue Trust	-	-	-	-
RESERVE BALANCE	842,024	872,487	878,487	878,487

**625174 SCCSD CLEAN WATER STATE REVOLVING FUND DEBT RESERVE FUND (50/178-400)**

This fund was established during the 2021/22 fiscal year as a condition of the Clean Water State Revolving Fund, Finance Agreement No. C-06-8436-110. The agreement requires the District to establish a Restricted Reserve Fund equal to one year's debt service. The annual payments are \$53,178 and the debt will be expired in 2053.

	24/25 Adopted	24/25 Actual	25/26 Recommended	25/26 Adopted
Contribution to Reserves	-	-	-	-
TOTAL EXPENDITURES	-	-	-	-
SOURCE OF FUNDS:				
Fund Balance (Restricted)	56,254	56,254	126,007	126,007
Interest	420	2,454	2,500	2,500
Transfer from Revenue Trust	70,073	67,300	65,540	65,540
RESERVE BALANCE	126,747	126,007	194,047	128,507

SANTA CRUZ COUNTY SANITATION DISTRICT  
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SCCSD DEBT RESERVE FUNDS (Continued)

**625172 CA INFRASTRUCTURE & ECONOMIC DEVELOPMENT BANK RESERVE FUND (50/178-200)**

This fund was established during the 2021/22 fiscal year as a condition of the California Infrastructure and Development Bank Installment Sale Agreement #19-129. This agreement requires a reserve if any parity debt incurred after the effective date of this debt requires a reserve. The required reserve is an amount equal to the reserve requirement of the new parity debt multiplied by the proportion of this debt to the incurred parity debt. This reserve was triggered by the latest SWRCB loan to construct the Valencia Creek Sewer Relocation.

	24/25 Adopted	24/25 Actual	25/26 Recommended	25/26 Adopted
Contribution to Reserves	-	-	-	-
TOTAL EXPENDITURES	-	-	-	-
SOURCE OF FUNDS:				
344 Fund Balance (Restricted)	277,779	277,779	285,901	289,895
404 Interest	3,000	12,115	3,000	3,000
RESERVE BALANCE	280,779	289,895	288,901	292,895

SANTA CRUZ COUNTY SANITATION DISTRICT  
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**625205 SCCSD REVENUE TRUST (50/205)**

The Revenue Trust was created to receive the general revenue for Santa Cruz County Sanitation District. It makes payments to the Debt Service, Operating, Wastewater Capital Improvement and Construction Improvement Funds as needed to fund those activities.

			24/25	24/25	25/26	25/26	
EXPENDITURES:			Adjusted	Actual	Recommended	Adopted	% Change
<b>Transfers to:</b>							
54500	90000	Operating Fund (625175)	26,344,657	25,151,847	30,293,966	28,424,862	-6%
54500	90000	Wastewater Capital Improvement Fund (625195)	-	-	3,737,910	5,025,759	34%
54500	90000	Construction Improvement Fund (136409)	5,409,975	2,704,988	6,657,919	5,487,326	-18%
54500	90000	2008 Clean Water State Revolving Fund Debt Service (6251	767,143	794,577	790,213	790,213	0%
54500	90000	2018 Clean Water State Revolving Fund Debt Service (6251	219,203	219,203	219,203	219,203	0%
54500	90000	2021 Clean Water State Revolving Fund Debt Service (6251	-	-	72,092	109,750	52%
54500	90000	2019 iBank Debt Service (625179)	401,491	391,420	399,957	299,284	-25%
54500	90000	2022 Revenue Bonds Debt Service (625179)	1,199,419	1,199,419	1,197,169	1,197,169	0%
54500	90000	2024 Revenue Bonds Debt Service (625179)	1,652,127	1,650,927	1,655,950	1,655,950	0%
54500	90000	Clean Water State Revolving Fund Debt Reserve (625178)	-	67,300	-	-	0%
<b>TOTAL EXPENDITURES</b>			<b>35,994,015</b>	<b>32,179,681</b>	<b>45,024,378</b>	<b>43,209,515</b>	<b>-4%</b>

**SOURCE OF FUNDS (FOR TRANSFERS):**

34400	Beginning Fund Balance (Unrestricted)	3,458,418	3,458,418	9,841,028	8,026,165	-18%
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**Revenues**

40430	Interest	-	673,733	500,000	500,000	0%
41842	Connection Fees	500,000	331,212	500,000	500,000	0%
41866	Sewer Service Charges	34,727,220	34,962,653	37,783,350	37,783,350	0%
42367	Contributions From Other Funds	-	-	-	-	
<b>Revenues Subtotal</b>		<b>35,227,220</b>	<b>35,967,599</b>	<b>38,783,350</b>	<b>38,783,350</b>	<b>0%</b>

**SOURCE OF FUNDS SUBTOTAL**

<b>38,685,638</b>	<b>39,426,017</b>	<b>48,624,378</b>	<b>46,809,515</b>	<b>-4%</b>
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**Reserves**

<b>AVAILABLE FUNDS</b>	<b>(2,691,623)</b>	<b>-</b>	<b>(3,600,000)</b>	<b>(3,600,000)</b>	<b>0%</b>
	<b>35,994,015</b>	<b>39,426,017</b>	<b>45,024,378</b>	<b>43,209,515</b>	<b>-4%</b>

SANTA CRUZ COUNTY SANITATION DISTRICT  
ADOPTED BUDGET 2025/2026

<b><u>USES OF FUNDS</u></b>	<b><u>25/26 Adopted</u></b>
<u>Expenditures</u>	
625175 Operating Fund	32,349,749
625195 Wastewater Capital Impr Projects	16,471,873
136409 Construction Improvement Fund	22,092,124
625177 Clean Water State Revolving Fund Debt Service	1,119,266
625179 iBank - Jewel Box Debt Service	401,957
625179 2022 Green Bonds Debt Service	1,197,169
625179 2024 Green Bonds Debt Service	1,655,950
Total Expenditures	75,288,087
 <u>Reserves</u>	
625195 Wastewater Capital Improvement	555,823
136409 Construction Improvement Fund	234,787
625178 SWRCB Debt Reserves	1,261,621
625172 iBank Debt Reserves	292,895
625205 Revenue Trust	3,600,000
Total Reserves	5,945,126
TOTAL EXPENDITURES AND RESERVES	81,233,213
 <b><u>SOURCES OF FUNDS</u></b>	
<u>Fund Balances</u>	
625175 Operating Fund	3,919,887
625195 Wastewater Capital Improvement	1,785,362
136409 Construction Improvement Fund	31,399
625177 Clean Water State Revolving Fund Debt Service	(0)
625179 iBank - Debt Service	100,673
625178 Clean Water State Revolving Fund Debt Reserve	1,250,621
625172 iBank Debt Reserve	289,895
625205 Revenue Trust	8,026,165
Total Fund Balance	15,404,002
 <u>Revenues</u>	
625175 Plan Checking Fees	5,000
625195 Other Revenue	5,742,940
625195 2024 Bond Proceeds	4,473,635
136409 2024 Bond Proceeds	16,808,186
625177 Interest	100
625178 Interest	11,000
625172 Interest	3,000
625179 Interest	2,000
625205 Interest	500,000
625205 Connection Fees	500,000
625205 Sewer Service Charges	37,783,350
Total Revenues	65,829,211
TOTAL FUND BALANCES AND REVENUES	81,233,213



# SANTA CRUZ COUNTY SANITATION DISTRICT

701 OCEAN STREET, SUITE 410 · SANTA CRUZ, CA · 95060-4073  
 (831) 454-2160 · FAX (831) 454-2089 · TDD: (831) 454-2123 · WWW.SCCSD.US

**MATT MACHADO, DISTRICT ENGINEER**

AGENDA DATE: MAY 15, 2025

BOARD OF DIRECTORS  
 SANTA CRUZ COUNTY SANITATION DISTRICT  
 701 Ocean Street, Room 410  
 Santa Cruz, California 95060

*Accepted with Correction*  
 By the Board of Directors, SCCSD  
 on May 15, 2025  
 ATTEST:   
 Secretary

SUBJECT: PROPOSED 2025/26 SANTA CRUZ COUNTY SANITATION DISTRICT BUDGET

Members of the Board:

Attached for the Board’s review is the proposed District budget for the 2025/26 fiscal year (FY). The budget is based on raising the sewer service charge rates by 7.7%. The proposed budget has expected expenditures of \$69,645,948 and reserves of \$5,569,391, for a total of \$75,215,338. This includes expenditures of \$30,586,024 in operating expenses (including \$11,473,000 for the District’s share of operating the City of Santa Cruz wastewater treatment plant and capital improvements at the plant), \$4,336,684 in loan and bond payments, \$13,503,730 in wastewater capital improvement projects, and \$21,419,510 in construction improvement projects.

The following projects are among those proposed to be under construction in 2025/26 or are currently under construction during these last months of fiscal year 2024/25:	
1) Eddy Lane Sewer Relocation	13) Seacliff/Rio Del Mar Sewer Rehabilitation
2) Upper Rodeo Gulch Trunkline and Soquel Sewer Bridge Sewer Replacement	14) Soquel Village Sewer Rehabilitation Phase 2
3) Rodeo Pump Station Capacity Upgrade	15) West Seacliff Sewer Rehabilitation
4) HWY 1 Aux Lane Moosehead Sewer	16) 2023 Job Order Contracting No. 1 – Pipe Repairs (Maretta Drive)
5) Arana Trunkline Replacement – Phase 1	17) Tannery Gulch Force Main Interconnection
6) D.A. Porath Valve Replacement and Emergency Bypass	18) EJ21-EJ27 Sewer Replacement
7) D.A. Porath Pump Station Access Hatch	19) 2025 Soquel Drive Sewer Emergency
8) Capitola Pump Station Pump Replacement	20) Seacliff Pump Station Upgrade
9) Emergency Bypass Improvements (Capitola and Soquel Pump Stations)	21) SCADA System Improvements
10) Hidden Beach Pump Station Bypass	22) Access Hatch at Moran Pump Station
11) Hidden Beach Pump Station Upgrade	23) Moran Wet Well Rehabilitation
12) East Cliff Transmission Main Relocation at Murray Street Bridge	

MAY 15, 2025

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In 2022, the District obtained \$20 million in bonds to fund the improvements to the Lower Rodeo Trunkline Replacement (completed); Rodeo Pump Station Capacity Upgrade; Upper Rodeo Gulch Trunkline; East Cliff Drive Sewer Replacement (completed); and Arana Trunkline Replacement projects. In 2024, the District obtained \$29 million in bonds to fund the Eddy Lane Sewer Rehabilitation; Soquel Village Sewer Rehabilitation – Phase 2; Seacliff/Rio Del Mar Sewer Rehabilitation; Hidden Beach Pump Station Bypass; Emergency Bypass Improvements; D.A. Porath Valve Replacement and Emergency Bypass; Capitola Pump Station Drainage Improvements; and West Seacliff Sewer Rehabilitation projects. In addition, a portion of the \$29 million in bonds will cover some unfunded portions of the East Cliff Drive Sewer Replacement (completed); Arana Trunkline Replacement; and Upper Rodeo Gulch Trunkline projects. The City of Santa Cruz has secured a Federal Highway Administration (FHWA) grant that will fund the majority of the East Cliff Transmission Main Relocation at Murray Street Bridge as part of their bridge retrofit project.

### **FIXED ASSETS**

This year's proposed fixed assets budget includes funding for network equipment, radios, camera accessories, mixers, programmable logic controller upgrades, variable frequency drives, pumps, air relief valves, motorized valves, electrical equipment, manhole smart covers, and smart uninterruptible power supplies. The proposed budget includes funding for an electrical fleet vehicle to offset the diesel-powered vacuum truck proposed for purchase in fiscal year 2024/25.

### **OVERHEAD**

The department overhead of 12 percent includes administrative service salaries within the Public Works Department (personnel, fiscal, safety, process improvement, and clerical) and executive salaries for staff providing oversight of the District, as well as County Overhead (also known as A-87 Cost Plan). The County overhead charges allocate the cost related to central support departments such as County Counsel, Personnel Department, Auditor-Controller Treasurer Tax Collector, Purchasing, and other miscellaneous departments that provide a direct service to the District, as well as general costs for such items as facilities management, building use allowance, communications, and warehouse storage. There is also a 17.93 percent Division overhead that pays for insurance, training, salaries not billable to specific projects, and other indirect costs.

The following budgetary items reflect significant differences between the current and proposed budget amounts (see descriptions on the following pages).

MAY 15, 2025

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**625175 OPERATING FUND (50/175)**

BUDGET NO.	ITEM	2023/24 ACTUAL	2024/25 ADOPTED	2025/26 RECOMMENDED	EXPLANATION
P53380, P53388, P53393	City of Santa Cruz Treatment Costs	\$8,386,111	\$10,242,262	\$11,473,000	This increase is due to new capital improvement projects at the City's treatment plant.
P53107	Public Outreach	\$44,220	\$62,049	\$92,000	This increase is a result of increased costs for the public outreach consultant.
P53136	Sulfide Control	\$2,037,670	\$2,418,000	\$2,140,000	This decrease is a result of the RFP process for odor control services and the selection for a lower-cost service provider.
P53190	Infiltration/ Inflow Reduction	\$0	\$300,000	\$0	This decrease is due to the flow study completion in FY 2024/25.
P53194	Operations Lab Work	-\$1,915	\$20,000	\$30,000	This increase is intended to align actual expenditures with the budget.
P53352	M&O Training	\$43,344	\$110,000	\$50,000	This decrease is a result of the completion of Leadership Training in FY 2024/25.
P53372	Monarch Butterfly Habitat Plan	\$8,568	\$35,000	\$50,000	This increase is for the additional monitoring services required for compliance.
P53259	SCCSD Encroachment Permits	\$9,333	\$8,650	\$9,700	This increase is to adequately provide funds for the encroachment permits from the County and the City of Capitola.
P53105	Printing & Mailing	\$38,345	\$45,000	\$50,000	This increase is due to the larger volume of projects in construction that will require neighborhood noticing and planned District Code revisions that will require District-wide noticing.
P53165	SSMP	\$7,168	\$15,000	\$35,000	This increase results from added requirements for maintaining the Sewer System Management Plan.

MAY 15, 2025

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**625175 OPERATING FUND (50/175) CONTINUED**

BUDGET NO.	ITEM	2023/24 ACTUAL	2024/25 ADOPTED	2025/26 RECOMMENDED	EXPLANATION
P53186	Computers - Software	\$89,406	\$86,000	\$120,000	This increase is due to new asset management and sewer flow model software license purchases.
Various	Equipment	\$607,395	\$1,132,369	\$1,020,000	This decrease is due to the programmable logic controllers upgrades completed in prior FY's.
Various	Mobile Equipment	\$910,735	\$869,528	\$180,000	This decrease is due to the large fleet equipment purchased in FY 2024/25.

**625195 SCCSD WASTEWATER CAPITAL IMPROVEMENT FUND (50/195)**

BUDGET NO.	ITEM	2023/24 ACTUAL	2024/25 ADOPTED	2025/26 RECOMMENDED	EXPLANATION
P54002	D.A. Porath Lode St – Facility Improvements	\$1,072,552	\$980,906	\$0	This decrease is due to the design of the project being completed in previous years and the construction project being put on hold.
P54023	SCADA System Improvements	\$56,766	\$250,000	\$300,000	This increase is due to increased labor and material costs by the SCADA service provider.
P54048	Santa Cruz Harbor Transmission Main Rehabilitation	\$77,930	\$6,215,170	\$7,576,430	This increase is due to estimated construction costs after the bid was awarded.
P54110	D.A. Porath Valve Replacement	\$15,421	\$1,915,900	\$3,150,000	This increase is due to adding rehabilitation of the wet well and replacement of additional valves to the project, plus budgeted costs for additional engineering services, construction inspection services, and construction of the project beginning in 2025/26.
P54111	D.A. Porath Access Hatch	\$16,344	\$374,656	\$0	The D.A. Porath Access Hatch work will be covered with the 2024/25 budget.
P54115	SCCSD Plug & Transfer Switch Upgrades	\$0	\$140,000	\$40,000	A portion of the 2024/25 upgrades will be paid for in 2025/26.

MAY 15, 2025

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**136409 SCCSD CONSTRUCTION IMPROVEMENT FUND (50/185)**

BUDGET NO.	ITEM	2023/24 ACTUAL	2024/25 ADOPTED	2025/26 RECOMMENDED	EXPLANATION
P53314	HWY 1 Aux Lane Moosehead Sewer	\$0	\$0	\$1,300,000	This is a new project to move the existing sewer to the proposed relocation of Moosehead Drive to accommodate the Highway 1 widening through Aptos.
P53603	Eddy Lane Sewer Relocation	-\$18	\$1,300,000	\$1,900,000	Site conditions made this project more challenging than anticipated; construction is delayed to 2025/26 so funds have been carried over and additional budget is required for trenchless construction or a pump station.
P53609	Rodeo Pump Station Capacity Upgrade	\$250,085	\$6,419,914	\$5,000,000	Only a portion of the construction of this project was performed in 2024/25; funds have been carried over to 2025/26.
P53610	2022 Sewer Pipe Rehabilitation	\$707,949	\$60,869	\$0	This project was completed in 2023/24 and closed out in 2024/25.
P53611	Hidden Beach Sewer/Pump Station Upgrade	\$0	\$150,000	\$0	This project is planned to be completed in 2024/25.
P53613	Flush Truck Fill Station	\$205,632	\$115,668	\$0	This project was completed in 2024/25.
P53616	Seacliff/Rio Del Mar Sewer Rehab	\$1,259	\$1,898,741	\$1,600,000	This project was not completed in 2024/25; funds for construction have been carried over to 2024/25.
P53620	Soquel Village Sewer – Phase 2	\$47,250	\$9,032,750	\$6,032,750	This project was not completed in 2024/25; funds for construction have been carried over to 2024/25.
P53636	2023 JOC No. 1 – Pipe Repairs	\$395,307	\$764,910	\$0	This project is planned to be completed in 2024/25.
P53637	2023 JOC No. 3 – Slurry Seal and Power Wash	\$28,304	\$23,246	\$0	This project was completed in 2024/25.
P53642	CC151/CC150 Emergency Sewer Repair	\$72,475	\$827,525	\$0	This project was completed in 2024/25.

MAY 15, 2025

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**136409 SCCSD CONSTRUCTION IMPROVEMENT FUND (50/185) CONTINUED**

BUDGET NO.	ITEM	2023/24 ACTUAL	2024/25 ADOPTED	2025/26 RECOMMENDED	EXPLANATION
P53644	2024 JOC No. 6 – Slurry Seal	\$0	\$37,339	\$0	This project was completed in 2024/25.
P53650	EJ21-EJ27 Sewer Replacement	\$0	\$0	\$858,000	This is a new project to fix a failing sewer main with construction scheduled for 2025/26.
P53652	A-1 Pump Station Storm Hardening	\$0	\$0	\$250,000	This is a new project to add protection at the pump station with construction scheduled for 2025/26.
P53654	Seacliff PS Capacity Upgrade	\$0	\$0	\$200,000	This is a new project to add capacity at the pump station to handle existing wet weather flows and new development with construction scheduled for 2025/26.
P53655	Soquel PS Auxiliary Wet Well	\$0	\$0	\$100,000	This is a new project to add emergency holding capacity at the pump station; design will be in 2025/26.
P53182	Minor Projects	\$0	\$2,001,285	\$1,770,100	This decrease is aimed at avoiding a sewer service rate increase higher than 7.7% increase.
P53817	Consulting Engineering Services	\$0	\$550,000	\$450,000	This decrease is aimed at avoiding a sewer service rate increase higher than 7.7% increase.
P53627	Townsend Area Sewer Rehabilitation	\$0	\$25,000	\$0	This project has been put on hold as the District directs funds to increasing capacity in the system.
P53628	Rio Del Mar Sewer Rehabilitation Phase 2	\$0	\$90,000	\$0	This project has been put on hold as the District directs funds to increasing capacity in the system.
P53630	West Seacliff Sewer Rehabilitation Phase 1	\$49,787	\$5,800,213	\$250,000	The majority of the construction work will be completed in 2024/25, with closeout in 2025/26.
P53647	Tannery Gulch Force Main Interconnection	\$0	\$400,000	\$0	This project is scheduled to be completed in 2024/25.
P53827	Lower Rodeo Gulch Trunkline Replacement	\$1,782,060	\$317,940	\$0	This project was completed in 2023/24 and closed out in 2024/25.

MAY 15, 2025

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**136409 SCCSD CONSTRUCTION IMPROVEMENT FUND (50/185) CONTINUED**

BUDGET NO.	ITEM	2023/24 ACTUAL	2024/25 ADOPTED	2025/26 RECOMMENDED	EXPLANATION
P53870	Valencia Creek Sewer Relocation	\$2,931,911	\$149,812	\$0	This project was completed in 2023/24 and closed out in 2024/25.
P53876	Upper Rodeo Gulch Truckline & Soquel Sewer Bridge	\$233,856	\$7,887,144	\$600,000	This project was not completed in 2024/25; funds for construction have been carried over to 2024/25; additional funds are added to cover additional required work at the sewer bridge crossing identified during construction.
P53881	East Cliff Drive Sewer Replacement	\$6,274,711	\$784,434	\$0	This project was completed in 2023/24 and closed out in 2024/25.
P53892	Arana Trunkline Replacement	\$1,294,120	\$4,395,880	\$800,000	Sewer construction work for this project was completed in 2024/25; unused funds were carried over to 2025/26 to cover the required planting mitigation.
P53999	Contingencies	\$0	\$1,148,884	\$234,787	Contingency funding has been returned to its typical amount after excess funds were budgeted last year for completion/closeout of the East Cliff Sewer Rehabilitation project.

*The proposed budget hearing is set for 4:45pm, Thursday, June 12, 2025*  
~~The final budget hearing is set for 4:45 p.m., Thursday, June 12, 2024.~~

This public hearing will employ a hybrid meeting format that combines face-to-face and virtual (Zoom video/audio-conferencing) meeting components. The District is mindful of the need to provide a variety of methods for the public to receive information and provide input, while meeting public health guidelines and protecting vulnerable populations. The attached Notice of Public Hearing will be published in the Santa Cruz Sentinel 15 days and 7 days prior to the budget hearing.

It is therefore recommended that the Board of Directors accept this proposed budget and direct the District Secretary to publish the Notice of Public Hearing.

DocuSigned by:  
Yours truly,  
*Matt Machado*  
5DEBAC84454C48C  
MATT MACHADO  
District Engineer

AT:tlp/B2896.docx

Copy to: Nathan Nguyen, Director, City of Santa Cruz, Public Works

Attachments:

- A. Proposed 2025/26 District Budget
- B. Public Hearing Notice



# **SANTA CRUZ COUNTY SANITATION DISTRICT**

## **CAPITAL IMPROVEMENT PROGRAM REPORT**

FISCAL YEARS 2026-2030

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### **DESCRIPTION OF FACILITIES**



# DESCRIPTION OF FACILITIES

The Santa Cruz County Sanitation District maintains 200 miles of sanitary sewer pipeline (186 miles of gravity lines, which use gravity to move the sewage along, and 14 miles of force main, which is pressurized), 4,780 manholes, and 35 sanitary sewer pump stations. The District serves a population of 72,200 with approximately 36,000 sewer lateral connections.

The D.A. Porath Sanitation Facility is the District's main pump station and is the location of the Board of Directors' in-person meetings. It is located at 2750 Lode Street, Santa Cruz, California. This pump station receives wastewater from the collection system which is pumped through a force main to the City of Santa Cruz's Wastewater Treatment Facility which is a publicly owned treatment works plant at Neary Lagoon, in the City of Santa Cruz.

## SCCSD PUMP STATIONS

15th Avenue +	D.A. Porath +	Seacliff +
A-1 <sup>1</sup>	Dolphin Drive +	Sears Circle
A-3 <sup>2</sup>	Grove +	Soquel (at Nob Hill) +
Aptos Blue +	Harbor View +	Spreckels +
Aptos Esplanade +	Hidden Beach +	Tannery Gulch +
Arana +	Mar Vista +	Uplands 1 +
Brommer +	Moran +	Uplands 2 +
Capitola +	Pearson Court +	Uplands 3 +
Chaminade +	Pine Knoll +	Via Palo Alto +
Cheryl Way+	Potbelly Beach <sup>3</sup>	Waugh +
Cory Street +	Rodeo +	Wilshire +
Courtside +	Schwan Lake +	

**KEY**

- +On site generator
- <sup>1</sup> Fed from Aptos Esplanade Pump Station
- <sup>2</sup> Can also gravity to Hidden Beach Pump Station
- <sup>3</sup> Fed from Tannery Pump Station

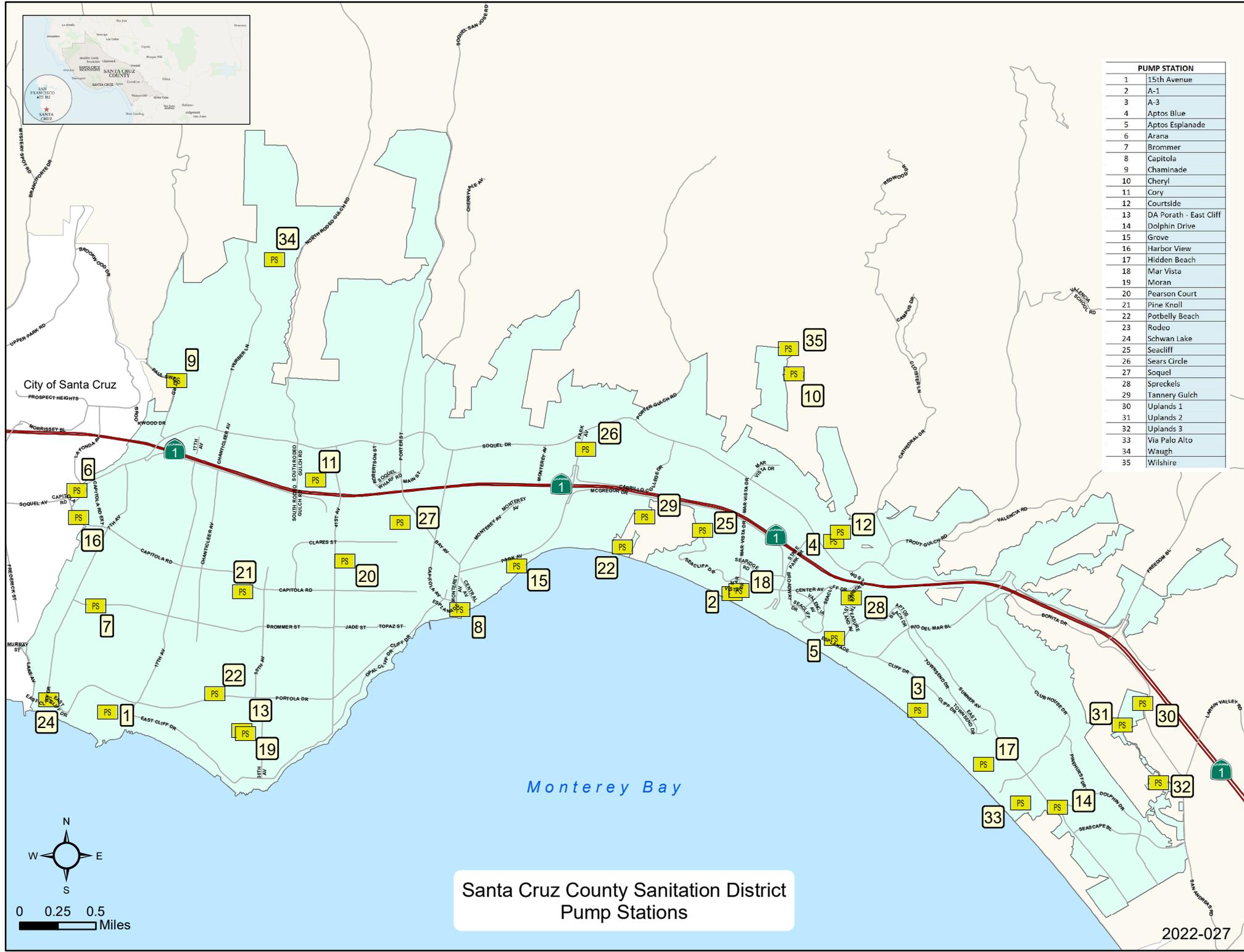
Pump stations (or lift stations) are designed to move raw sewage that is fed from gravity pipelines to pipelines at a higher elevation. Sewage flows into an underground pit, called a wet well. The wet well is equipped with electrical instrumentation to detect the level of sewage, and when the sewage level rises to a pre-set point, a pump motor creates pressure to push the sewage into a force main where it is eventually discharged into a gravity manhole. The cycle then starts over again until the sewage reaches the City Treatment Facility. The size of the pump station depends on the connections being served and the pumps are between 2hp to 230hp. Typically, large pump stations are located in above ground enclosed structures and smaller pump wet wells are located below ground in residential streets.

## OTHER FACILITIES

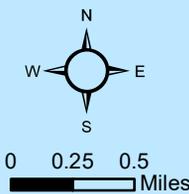
SCADA Repeater Sites: Mt. Toro (Monterey County) and Empire Grade (Santa Cruz County).



PUMP STATION	
1	15th Avenue
2	A-1
3	A-3
4	Aptos Blue
5	Aptos Esplanade
6	Arana
7	Brommer
8	Capitola
9	Chaminade
10	Cheryl
11	Cory
12	Courtside
13	DA Porath - East Cliff
14	Dolphin Drive
15	Grove
16	Harbor View
17	Hidden Beach
18	Mar Vista
19	Moran
20	Pearson Court
21	Pine Knoll
22	Potbelly Beach
23	Rodeo
24	Schwan Lake
25	Seacliff
26	Sears Circle
27	Soquel
28	Spreckels
29	Tannery Gulch
30	Uplands 1
31	Uplands 2
32	Uplands 3
33	Via Palo Alto
34	Waugh
35	Wilshire



Santa Cruz County Sanitation District  
Pump Stations



# SANTA CRUZ COUNTY SANITATION DISTRICT

## CAPITAL IMPROVEMENT PROGRAM REPORT

FISCAL YEARS 2026-2030



### PUMP STATIONS



15TH AVENUE



A1



A3



APTOS BLUE



APTOS ESPLANADE



ARANA



BROMMER



CAPITOLA



CHAMINADE



CHERYL WAY



CORY STREET



COURTSIDE



D.A. PORATH



DOLPHIN DRIVE



GROVE



HARBOR VIEW



HIDDEN BEACH



MAR VISTA



MORAN



PEARSON COURT



PINE KNOLL



POTBELLY BEACH



RODEO



SCHWAN LAKE



SEACLIFF



SEARS CIRCLE



SOQUEL PUMP STATION



SPRECKLES



TANNERY GULCH



UPLANDS 1



UPLANDS 2



UPLANDS 3



VIA PALO ALTO



WAUGH AVENUE



WILSHIRE



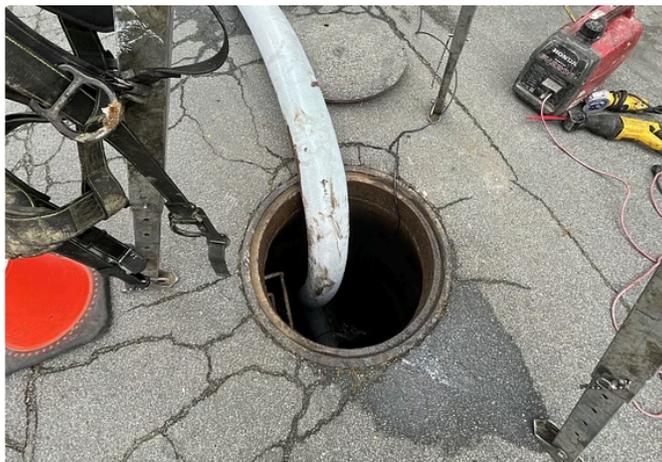
# SANTA CRUZ COUNTY SANITATION DISTRICT

## CAPITAL IMPROVEMENT PROGRAM REPORT

FISCAL YEARS 2026-2030

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### SUMMARY OF PROJECTS



# SUMMARY OF PROJECTS

\*C = Capacity Projects

\*R = Resiliency Projects

PROJECT NO.	PROJECT	CAPITOLA	DISTRICT 1	DISTRICT 2	CITY OF SC	TOTAL PROJECT COST ESTIMATE	YEAR	STATUS
P53636	2023 JOB ORDER CONTRACTING NO. 1 – PIPE REPAIRS		×	×		\$ 1,042,761	2025/26	COMPLETED
P53892	ARANA TRUNK LINE REPLACEMENT – PHASE 1 *C		×			\$ 5,413,141	2025/26	COMPLETED
P54111	D.A. PORATH PUMP STATION ACCESS HATCHES	×	×	×		\$ 377,117	2024/25	COMPLETED
P53613	FLUSH TRUCK FILL STATION *R			×		\$ 557,878	2025/26	COMPLETED
P53357	PLC UPGRADES 2024/25			×		\$ 130,000	2025/26	COMPLETED
P53609	RODEO PUMP STATION CAPACITY UPGRADE *C		×			\$ 6,399,872	2025/26	COMPLETED
P54112	UPS UPGRADES 2022/23–2024/25 *R	×	×	×		\$ 12,040	2025/26	COMPLETED
P54112	UPS UPGRADES 2024/25–STAGE 1 *R		×			\$ 2,000	2025/26	COMPLETED
P54112	UPS UPGRADES 2024/25–STAGE 2 *R		×	×		\$ 14,500	2005/26	COMPLETED
P53630	WEST SEACLIFF SEWER REHABILITATION – PHASE 1			×		\$ 3,435,000	2025/26	COMPLETED

# SUMMARY OF PROJECTS

\*C = Capacity Projects

\*R = Resiliency Projects

PROJECT NO.	PROJECT	CAPITOLA	DISTRICT 1	DISTRICT 2	CITY OF SC	TOTAL PROJECT COST ESTIMATE	YEAR	STATUS
P54110	D.A. PORATH VALVE REPLACEMENT AND EMERGENCY BYPASS *R	×	×	×		\$ 2,040,400	2025/26	AWARDED
P54048	EAST CLIFF TRANSMISION MAIN RELOCATION AT MURRAY STREET BRIDGE *R				×	\$ 8,552,560	2025/26	IN CONSTRUCTION
P53650	EJ21—EJ27 SEWER REPLACEMENT		×			\$ 854,300	2025/26	IN CONSTRUCTION
P54115	MANUAL TRANSFER SWITCH AND ELECTRICAL UPGRADES 2025/26—2026/27 *R	×	×	×		\$ 125,000	2025/26	FUTURE DESIGN
P53616	SEACLIFF/RIO DEL MAR SEWER REHABILITATION			×		\$ 2,442,000	2025/26	PORCION COMPLETED/ PORCION IN DESIGN
P53620	SOQUEL VILLAGE SEWER REHABILITATION (INCLUDING MAIN STREET) — PHASE 2 *C		×			\$ 6,100,000	2025/26	IN CONSTRUCTION
P53876	UPPER RODEO GULCH TRUNKLINE AND SOQUEL BRIDGE SEWER REPLACEMENT *C		×			\$ 8,550,000	2025/26	IN CONSTRUCTION
P53652	A1 PUMP STATION STORM HARDENING *R			×		\$ 385,020	2026/27	IN DESIGN
P53660	CAPITOLA PUMP STATION PUMP REPLACEMENT	×		×		\$ 680,000	2026/27	IN DESIGN

# SUMMARY OF PROJECTS

\*C = Capacity Projects

\*R = Resiliency Projects

PROJECT NO.	PROJECT	CAPITOLA	DISTRICT 1	DISTRICT 2	CITY OF SC	TOTAL PROJECT COST ESTIMATE		YEAR	STATUS
TBD	CONCRETE STAIRS REHABILITATION	X	X	X		\$	475,000	2026/27	IN DESIGN
P53363	EAST CLIFF TRANSMISSION MAIN INSPECTION 2026/27	X	X	X	X	\$	200,000	2026/27	FUTURE DESIGN
P54055	EAST CLIFF TRANSMISSION MAIN REPAIRS 2026/27	X	X	X	X	\$	1,657,800	2026/27	FUTURE DESIGN
P53603	EDDY LANE SEWER RELOCATION		X			\$	2,230,500	2026/27	IN DESIGN
P54119	EMERGENCY BYPASS IMPROVEMENTS *R	X		X		\$	739,000	2026/27	FUTURE DESIGN
P54114	GENERATOR PLUG AND MANUAL TRANSFER SWITCH UPGRADES 2026/27–2027/28 *R		X	X		\$	120,000	2026/27	FUTURE DESIGN
P54114	GENERATOR REPLACEMENT 2026/27 *R			X		\$	65,000	2026/27	FUTURE DESIGN
P53611	HIDDEN BEACH PUMP STATION BYPASS *R			X		\$	800,000	2026/27	IN DESIGN
P53394	HIGHWAY 1 AUXILIARY LANE MOOSEHEAD SEWER REALIGNMENT			X		\$	2,475,000	2026/27	IN DESIGN
P54116	MANUAL TRANSFER SWITCH INSTALLATION 2026/27 *R			X		\$	60,000	2026/27	FUTURE DESIGN

# SUMMARY OF PROJECTS

\*C = Capacity Projects

\*R = Resiliency Projects

PROJECT NO.	PROJECT	CAPITOLA	DISTRICT 1	DISTRICT 2	CITY OF SC	TOTAL PROJECT COST ESTIMATE	YEAR	STATUS
P53357	PLC UPGRADES 2026/27			X		\$ 60,000	2026/27	FUTURE DESIGN
P53654	SEACLIFF PUMP STATION CAPACITY UPGRADE *C			X		\$ 200,000	2026/27	FUTURE DESIGN
P53376	SOFT START SWITCH REPLACEMENTS 2026/27 *R	X		X		\$ 60,000	2026/27	FUTURE DESIGN
TBD	7 <sup>TH</sup> AVENUE SEWER CAPACITY UPGRADE—NORTH *C		X			\$ 3,230,000	2027/28	FUTURE DESIGN
P54118	APTOS ESPLANADE PUMP STATION VALVE REPLACEMENT			X		\$ 1,500,000	2027/28	FUTURE DESIGN
P53809	ARANA PUMP STATION RECONSTRUCTION *R		X			\$ 6,800,000	2027/28	IN DESIGN
TBD	BAY AVENUE SEWER UPGRADE	X				\$ 785,000	2027/28	FUTURE DESIGN
P53626	CAPITOLA VILLAGE SEWER REHABILITATION — PHASE 1	X		X		\$ 3,170,000	2027/28	IN DESIGN
TBD	D.A. PORATH PUMP STATION CAPACITY UPGRADE *C	X	X	X	X	\$ 3,000,000	2027/28	FUTURE DESIGN

# SUMMARY OF PROJECTS

\*C = Capacity Projects

\*R = Resiliency Projects

PROJECT NO.	PROJECT	CAPITOLA	DISTRICT 1	DISTRICT 2	CITY OF SC	TOTAL PROJECT COST ESTIMATE		YEAR	STATUS
TBD	HIDDEN BEACH METER MAIN AND AUTOMATIC TRANSFER SWITCH			X		\$	190,000	2027/28	FUTURE DESIGN
TBD	PORTOLA DRIVE SEWER CAPACITY UPGRADE		X			\$	6,500,000	2027/28	FUTURE DESIGN
P53376	SOFT START SWITCH REPLACEMENTS 2027/28 *R			X		\$	65,000	2027/28	FUTURE DESIGN
P53358	VFD REPLACEMENT 2027/28			X		\$	100,000	2027/28	FUTURE DESIGN
TBD	2028 SEWER PIPE REHABILITATION	X	X	X		\$	2,100,000	2028/29	FUTURE DESIGN
P53358	VFD REPLACEMENTS WITH SOFT STARTS—2028/29 *R		X			\$	35,000	2028/29	FUTURE DESIGN
TBD	A1 PUMP STATION RELOCATION *R			X		\$	6,851,000	2029/30	FUTURE DESIGN
P53358	VFD REPLACEMENTS WITH SOFT STARTS—2029/30 *R		X			\$	38,000	2029/30	FUTURE DESIGN
TBD	2030 SEWER REHABILITATION	X	X	X		\$	4,100,000	2030/31	FUTURE DESIGN
TBD	RIO DEL MAR SEWER REHABILITATION—PHASE 2			X		\$	10,684,600	2030/31	FUTURE DESIGN

# SUMMARY OF PROJECTS

\*C = Capacity Projects

\*R = Resiliency Projects

PROJECT NO.	PROJECT	CAPTOLA	DISTRICT 1	DISTRICT 2	CITY OF SC	TOTAL PROJECT COST ESTIMATE		YEAR	STATUS
TBD	SANTA CRUZ HARBOR SEWER REHABILITATION—PHASE 2		X			\$	6,556,900	2030/31	FUTURE DESIGN
P53655	SOQUEL PUMP STATION AUXILIARY WET WELL *R	X		X		\$	5,970,000	2030/31	FUTURE DESIGN

# SANTA CRUZ COUNTY SANITATION DISTRICT

## CAPITAL IMPROVEMENT PROGRAM REPORT

FISCAL YEARS 2026-2030

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### ONGOING OPERATIONS PROJECTS



# ONGOING OPERATIONS PROJECTS

PROJECT NO.	PROJECT	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
P53375	AIR RELIEF VALVE REPLACEMENTS	\$ 60,000	\$ 35,000	\$ 36,400	\$ 37,856	\$ 39,370	\$ 40,945
P53804	CATHODIC PROTECTION	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
P54018	FLOW METER IMPROVEMENTS	\$ 40,000	\$ 0	\$ 45,000	\$ 0	\$ 45,000	\$ 0
P54038	PUMP STATION SEWAGE LEVEL MONITORING IMPROVEMENTS	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
P54023	SCADA IMPROVEMENTS	\$ 299,000	\$ 350,000	\$ 364,000	\$ 378,560	\$ 393,702	\$ 409,450
P54005	TRANSMISSION LINE INSPECTION	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000

# SANTA CRUZ COUNTY SANITATION DISTRICT

## CAPITAL IMPROVEMENT PROGRAM REPORT

FISCAL YEARS 2026-2030

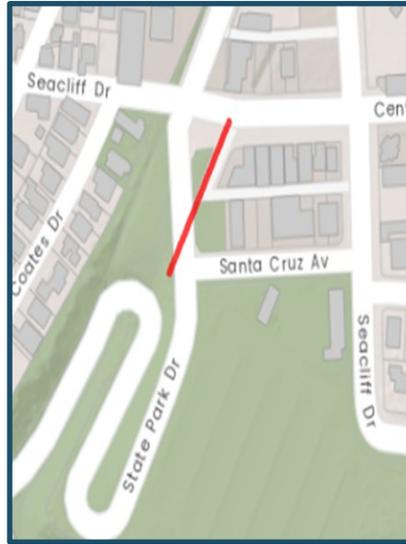
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### INDIVIDUAL PROJECTS



# 2023 JOB ORDER CONTRACT NO. 1—PIPE REPAIRS

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	COMPLETED
<b>LOCATION:</b>	VARIOUS LOCATIONS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2024/25—2025/26
<b>DESCRIPTION:</b>	This project consisted of work at three separate locations to fix pipe failures. Two spot repairs were completed off of Jason Court in Soquel, and a 135 linear foot section of pipe was replaced on State Park Drive in Seacliff in 2024/25. Replacement of 380± linear feet of sewer main on Maretta Drive in Soquel was completed in 2025/26.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 7,000
Preliminary Design	\$ -
Environmental	\$ 1,175
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ 791,636
Construction Management	\$ 87,723
Construction Inspection	\$ 94,840
Other	\$ 60,387
<b>Total Estimated Project Costs</b>	<b>\$ 1,042,761</b>

FUNDING SOURCES	
District Funds	\$ 1,042,761
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 1,042,761</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# ARANA TRUNK LINE REPLACEMENT — PHASE 1

CAPITOLA

DISTRICT 1

DISTRICT 2

CITY OF SANTA CRUZ



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/CAPACITY	<b>PROJECT STATUS:</b>	COMPLETED
<b>LOCATION:</b>	LIVE OAK	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2023/24-2025/26
<b>DESCRIPTION:</b>	Replaced/rehabilitated 1,400± linear feet of sewer line. Line was old and deteriorating and in low lying areas. Besides replacing and rehabilitating the sewer lines, manholes were raised above grade to keep surface water out. This project increases available capacity downstream by reducing inflow and infiltration. The project included mitigation planting.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 17,766
Preliminary Design	\$ -
Environmental	\$ 509,303
Geotechnical	\$ 111,868
Consultant Engineering Design	\$ 464,657
Acquisition	\$ 233,818
Construction	\$ 3,312,978
Construction Management	\$ 73,903
Construction Inspection	\$ 413,489
Other	\$ 275,359
<b>Total Estimated Project Costs</b>	<b>\$ 5,413,141</b>

FUNDING SOURCES	
District Funds	\$ 463,141
Loans	\$ -
Grants	\$ -
Other (2022 Bonds)	\$ 4,100,000
Other (2024 Bonds)	\$ 850,000
<b>Total Project Funding</b>	<b>\$ 5,413,141</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# D.A. PORATH PUMP STATION ACCESS HATCHES

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	FACILITY UPGRADE	<b>PROJECT STATUS:</b>	COMPLETED
<b>LOCATION:</b>	D.A. PORATH PUMP STATION	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2024/25—2025/26
<b>DESCRIPTION:</b>	Installed two access hatches on the wet well at the D.A. Porath pump station and associated improvements allowing for better maintenance of the wet well serving the entire District.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ 1,512
Geotechnical	\$ -
Consultant Engineering Design	\$ 79,022
Acquisition	\$ -
Construction	\$ 205,476
Construction Management	\$ 23,008
Construction Inspection	\$ 34,117
Other	\$ 33,982
<b>Total Estimated Project Costs</b>	<b>\$ 377,117</b>

FUNDING SOURCES	
District Funds	\$ 377,117
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 377,117</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# FLUSH TRUCK FILL STATION

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	COMPLETED
<b>LOCATION:</b>	APTOS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2023/24—2025/26
<b>DESCRIPTION:</b>	Constructed a flush truck fill station that will utilize backwash from the Soquel Creek Water District injection well site at Twin Lakes Church; the project serves to keep backwash water from the shallow, low-capacity sewer system in the area and provide an additional source for flushing water.		

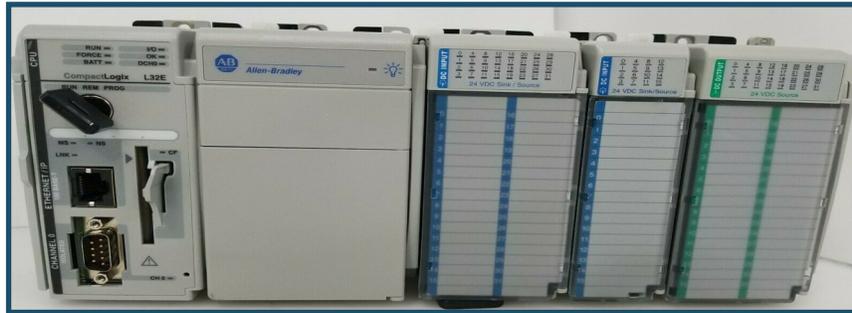
ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ 50
Geotechnical	\$ -
Consultant Engineering Design	\$ 36,471
Acquisition	\$ -
Construction	\$ 382,594
Construction Management	\$ 73,448
Construction Inspection	\$ 11,222
Other	\$ 54,093
<b>Total Estimated Project Costs</b>	<b>\$ 557,878</b>

FUNDING SOURCES	
District Funds	\$ 557,878
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 557,878</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# PLC UPGRADES 2024/25

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION	PLC MODEL
TANNERY	181 NEW BRIGHTON ROAD	MicroLogix 1400
VIA PALO ALTO	1096 VIA PALO ALTO	Compact Logix L23E



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	COMPLETED
<b>LOCATION:</b>	VARIOUS LOCATIONS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2025/26
<b>DESCRIPTION:</b>	Replace and upgrade older Programmable Logic Controllers (PLCs) at Tannery and Via Palo Alto pump stations.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 130,000
<b>Total Estimated Project Costs</b>	<b>\$ 130,000</b>

FUNDING SOURCES	
PLC Upgrades	\$ 130,000
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 130,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# RODEO PUMP STATION CAPACITY UPGRADE

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/CAPACITY	<b>PROJECT STATUS:</b>	COMPLETED
<b>LOCATION:</b>	LIVE OAK	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2024/25—2025/26
<b>DESCRIPTION:</b>	Construct an auxiliary wet well for additional storage of current and projected sewer flows during wet weather storm events. Completion of this project (along with the Lower Rodeo Trunkline Replacement and Upper Rodeo Gulch Trunkline & Soquel Bridge Sewer Replacement projects) allowed the District to lift a long-standing moratorium for the Rodeo Gulch Sewer Basin.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 3,000
Preliminary Design	\$ 74,223
Environmental	\$ 18,940
Geotechnical	\$ 51,518
Consultant Engineering Design	\$ 381,713
Acquisition	\$ 39,156
Construction	\$ 4,848,007
Construction Management	\$ 305,000
Construction Inspection	\$ 310,074
Other	\$ 368,241
<b>Total Estimated Project Costs</b>	<b>\$ 6,399,872</b>

FUNDING SOURCES	
District Funds	\$ 749,872
Loans	\$ -
Grants	\$ -
Other (2022 Bonds)	\$ 1,800,000
Other (2024 Bonds)	\$ 3,850,000
<b>Total Project Funding</b>	<b>\$ 6,399,872</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# UPS UPGRADES 2022/23 – 2024/25

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION	UPS MODEL
D.A. PORATH - COMPLETED	2750 LODE ST	MARATHON VTWE-0700-01
DOLPHIN - COMPLETED	SUMNER AVE	MARATHON VTWE-0700-01
HIDDEN BEACH - COMPLETED	770 CLIFF DR	MARATHON VTWE-0700-01
SCHWAN LAKE - COMPLETED	EAST CLIFF AND 7TH AVE	MARATHON VTWE-0700-01
SOQUEL - COMPLETED	809 BAY AVE	MARATHON VTWE-0700-01



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	COMPLETED
<b>LOCATION:</b>	VARIOUS LOCATIONS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2025/26
<b>DESCRIPTION:</b>	Install Smart Uninterruptable Power Supply (UPS) at various pump stations to monitor on SCADA.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 12,040
<b>Total Estimated Project Costs</b>	<b>\$ 12,040</b>

FUNDING SOURCES	
District Funds	\$ 12,040
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 12,040</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# UPS UPGRADES 2024/25—STAGE 1

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION	UPS MODEL
CHAMINADE	3700 PAUL SWEET RD	MARATHON VTWE-0700-01



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	COMPLETED
<b>LOCATION:</b>	CHAMINADE	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2025/26
<b>DESCRIPTION:</b>	Install Smart Uninterruptable Power Supply (UPS) at Chaminade pump station to monitor on SCADA.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 2,000
<b>Total Estimated Project Costs</b>	<b>\$ 2,000</b>

FUNDING SOURCES	
District Funds	\$ 2,000
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 2,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# UPS UPGRADES 2024/25—STAGE 2

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION	UPS MODEL
A-3	440 BEACH DR	MARATHON VTWE-0700-01
MAR VISTA	100 MAR VISTA	MARATHON VTWE-0700-01
PINE KNOLL	2546 CAPITOLA RD	MARATHON VTWE-0700-01
UPLANDS 1	102 ZANZIBAR	MARATHON VTWE-0700-01
UPLANDS 2	162 ZANZIBAR	MARATHON VTWE-0700-01
UPLANDS 3	1096 CASTILLO CT	MARATHON VTWE-0700-01



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	COMPLETED
<b>LOCATION:</b>	VARIOUS LOCATIONS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2025/26
<b>DESCRIPTION:</b>	Install Smart Uninterruptable Power Supply (UPS) at various pump stations to monitor battery power on SCADA.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 14,500
<b>Total Estimated Project Costs</b>	<b>\$ 14,500</b>

FUNDING SOURCES	
District Funds	\$ 14,500
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 14,500</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# WEST SEACLIFF SEWER REHABILITATION PHASE 1

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



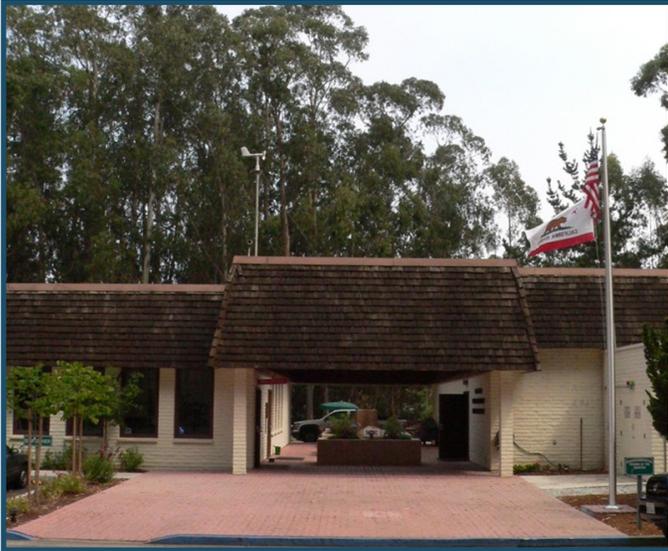
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/CAPACITY	<b>PROJECT STATUS:</b>	COMPLETED
<b>LOCATION:</b>	APTOS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2025/26
<b>DESCRIPTION:</b>	Replaced and lined 7,880± linear feet of deteriorating gravity sewer mains and manholes located throughout the West Seacliff area. Replaced mains were upsized from 6-inches in diameter to 8-inch mains for more capacity to handle the wet weather flows and improved maintenance.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 47,128
Preliminary Design	\$ -
Environmental	\$ 1,847
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ 3,003,258
Construction Management	\$ 25,272
Construction Inspection	\$ 148,475
Other	\$ 209,020
<b>Total Estimated Project Costs</b>	<b>\$ 3,435,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other (2024 Bonds)	\$ 3,435,000
<b>Total Project Funding</b>	<b>\$ 3,435,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# D.A. PORATH VALVE REPLACEMENT AND EMERGENCY BYPASS

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	AWARDED
<b>LOCATION:</b>	D.A. PORATH PUMP STATION	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2025/26
<b>DESCRIPTION:</b>	The existing gate valve on the force main leaving the station is deteriorated and will be replaced. Improvements to install a permanent emergency bypass will be installed as part of the project to improve resiliency of the system.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 7,000
Preliminary Design	\$ -
Environmental	\$ 50,000
Geotechnical	\$ 35,000
Consultant Engineering Design	\$ 155,805
Acquisition	\$ -
Construction	\$ 1,200,000
Construction Management	\$ 50,000
Construction Inspection	\$ 200,000
Other	\$ 342,595
<b>Total Estimated Project Costs</b>	<b>\$ 2,040,400</b>

FUNDING SOURCES	
District Funds	\$ 740,400
Loans	\$ -
Grants	\$ -
Other (2024 Bonds)	\$ 1,300,000
<b>Total Project Funding</b>	<b>\$ 2,040,400</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# EAST CLIFF TRANSMISSION MAIN RELOCATION AT MURRAY STREET BRIDGE

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input type="checkbox"/>
CITY OF SANTA CRUZ	<input checked="" type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	IN CONSTRUCTION
<b>LOCATION:</b>	CITY OF SANTA CRUZ	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2025/26-2026/27
<b>DESCRIPTION:</b>	Relocate approximately 700 linear feet of transmission main out of the harbor and attach to the bridge in coordination with the City of Santa Cruz's Murray Street Bridge Project. Line is in a sensitive area and is near the end of its useful life. Installing the line above ground makes the system more resilient.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 13,555
Preliminary Design	\$ 105,850
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ 721,780
Acquisition	\$ -
Construction	\$ 5,000,000
Construction Management	\$ 386,000
Construction Inspection	\$ 1,000,000
Other	\$ 1,325,375
<b>Total Estimated Project Costs</b>	<b>\$ 8,552,560</b>

FUNDING SOURCES	
District Funds	\$ 3,369,560
Loans	\$ -
Grants	\$ 5,183,000
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 8,552,560</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# EJ21—EJ27 SEWER REPLACEMENT

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	IN CONSTRUCTION
<b>LOCATION:</b>	LIVE OAK	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2025/26
<b>DESCRIPTION:</b>	Replacing 450± linear feet of damaged and deteriorated sewer near Arana Gulch.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 14,551
Preliminary Design	\$ -
Environmental	\$ 28,718
Geotechnical	\$ -
Consultant Engineering Design	\$ 36,355
Acquisition	\$ 23,326
Construction	\$ 450,355
Construction Management	\$ 50,000
Construction Inspection	\$ 100,000
Other	\$ 150,995
<b>Total Estimated Project Costs</b>	<b>\$ 854,300</b>

FUNDING SOURCES	
District Funds	\$ 854,300
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 854,300</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# MANUAL TRANSFER SWITCH AND ELECTRICAL UPGRADES 2025/26-2026/27

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION
SOQUEL	809 BAY AVE
TANNERY	181 NEW BRIGHTON ROAD



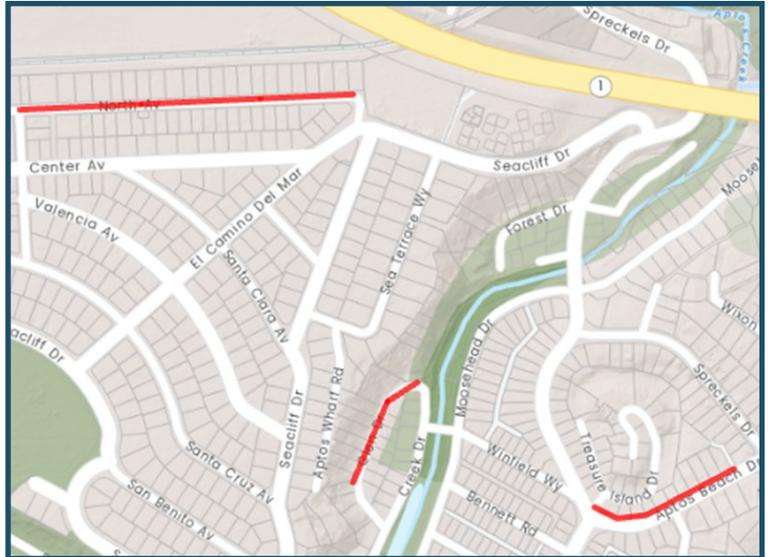
<b>PROJECT TYPE:</b>	RESILIENCY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	VARIOUS LOCATIONS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2025/26
<b>DESCRIPTION:</b>	Install manual transfer switch and improve electrical wiring for emergency connection at Soquel and Tannery pump stations to add redundancy to onsite standby generator.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 125,000
<b>Total Estimated Project Costs</b>	<b>\$ 125,000</b>

FUNDING SOURCES	
District Funds	\$ 125,000
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 125,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# SEACLIFF/RIO DEL MAR SEWER REHABILITATION

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



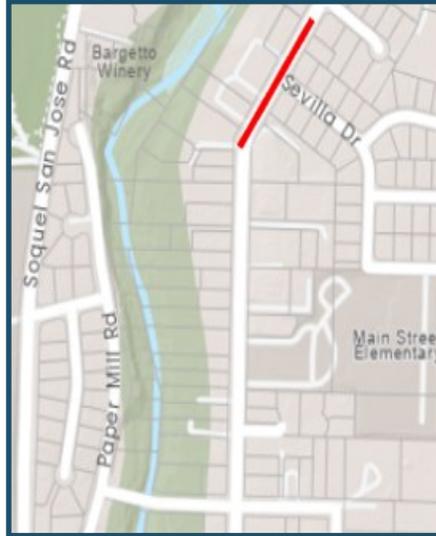
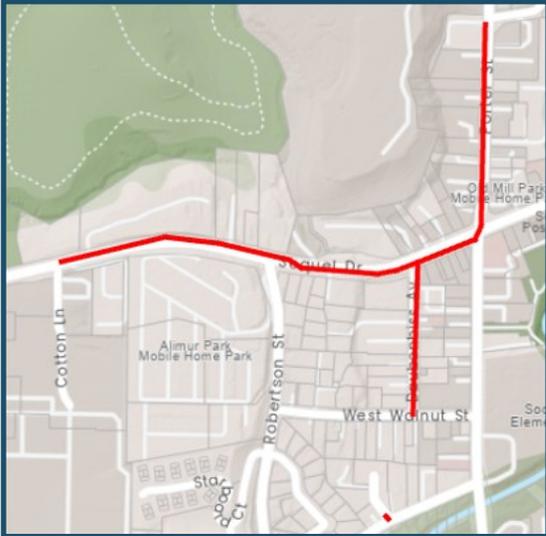
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	PORTION COMPLETED/ PORTION IN DESIGN
<b>LOCATION:</b>	SEACLIFF AND RIO DEL MAR	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2024/25—2025/26
<b>DESCRIPTION:</b>	Rehabilitate 2,030± linear feet of sewer mains that are old and deteriorating. The portion on North Avenue was completed in 2024/25 via Job Order Contracting.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 39,360
Preliminary Design	\$ -
Environmental	\$ 1,680
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ 1,897,210
Construction Management	\$ 82,480
Construction Inspection	\$ 103,965
Other	\$ 317,305
<b>Total Estimated Project Costs</b>	<b>\$ 2,442,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other (2024 Bonds)	\$ 2,442,000
<b>Total Project Funding</b>	<b>\$ 2,442,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# SOQUEL VILLAGE SEWER REHABILITATION (INCLUDING MAIN STREET) – PHASE 2

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/CAPACITY	<b>PROJECT STATUS:</b>	IN CONSTRUCTION
<b>LOCATION:</b>	SOQUEL VILLAGE	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2025/26—2026/27
<b>DESCRIPTION:</b>	Rehabilitate 7,800± linear feet of deteriorating sewer mains and associated manholes. The sewer lines and manholes are old, deteriorating, and at the end of their design life. Pipes will be upsized to increase capacity to accommodate wet weather flows.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 80,000
Preliminary Design	\$ -
Environmental	\$ 1,000
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ 4,493,190
Construction Management	\$ 201,580
Construction Inspection	\$ 365,000
Other	\$ 959,230
<b>Total Estimated Project Costs</b>	<b>\$ 6,100,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other (2024 Bonds)	\$ 6,100,000
<b>Total Project Funding</b>	<b>\$ 6,100,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# UPPER RODEO GULCH TRUNKLINE AND SOQUEL BRIDGE SEWER REPLACEMENT

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/CAPACITY	<b>PROJECT STATUS:</b>	IN CONSTRUCTION
<b>LOCATION:</b>	LIVE OAK	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2025/26-2026/27
<b>DESCRIPTION:</b>	Lined 4,900± linear feet of sewer line and replaced 450± feet of sewer line. Lines were deteriorating and allowed for ground water infiltration that caused the sewer mains to operate over capacity. Pipe under bridge had lost some of its supports. Completion of the pipe improvements (along with the Lower Rodeo Trunkline Replacement and Rodeo Pump Station Capacity Upgrade projects) allowed the District to lift a long-standing moratorium for the Rodeo Gulch Sewer Basin. Final bridge restoration work and mitigation planting will occur in 2025/26.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 22,000
Preliminary Design	\$ 97,000
Environmental	\$ 351,130
Geotechnical	\$ 115,000
Consultant Engineering Design	\$ 674,799
Acquisition/Appraisal	\$ 326,000
Construction	\$ 6,123,807
Construction Management	\$ 100,000
Construction Inspection	\$ 300,000
Other	\$ 440,264
<b>Total Estimated Project Costs</b>	<b>\$ 8,550,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other (2022 Bonds)	\$ 4,700,000
Other (2024 Bonds)	\$ 3,850,000
<b>Total Project Funding</b>	<b>\$ 8,550,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

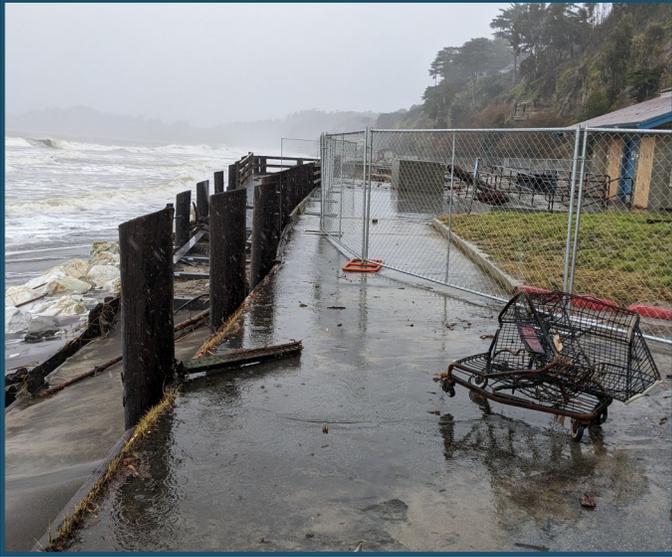
# A1 PUMP STATION STORM HARDENING

CAPITOLA

DISTRICT 1

DISTRICT 2

CITY OF SANTA CRUZ



<b>PROJECT TYPE:</b>	RESILIENCY	<b>PROJECT STATUS:</b>	IN DESIGN
<b>LOCATION:</b>	SEACLIFF	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Install additional rip-rap protection along the ocean-facing side of the A-1 pump station at Seacliff Beach to protect it from wave runup.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 5,365
Preliminary Design	\$ -
Environmental	\$ 10,000
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ 265,000
Construction Management	\$ 20,000
Construction Inspection	\$ 20,000
Other	\$ 64,655
<b>Total Estimated Project Costs</b>	<b>\$ 385,020</b>

FUNDING SOURCES	
District Funds	\$ 250,000
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 250,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ 135,020</b>

# CAPITOLA PUMP STATION PUMP REPLACEMENT

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	IN DESIGN
<b>LOCATION:</b>	CAPITOLA	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Replace three 75 HP aging pumps with Flygt pumps. The existing pumps were installed in 2006. The new Flygt pumps were purchased in FY 2020-21, and will be installed in 2026/27. The valves purchased in FY 2021-22 will be installed at this time as well.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ 1,500
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction/Installation	\$ 500,000
Construction Management	\$ 25,000
Construction Inspection	\$ 35,000
Other	\$ 118,500
<b>Total Estimated Project Costs</b>	<b>\$ 680,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other (2024 Bonds)	\$ 680,000
<b>Total Project Funding</b>	<b>\$ 680,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# CONCRETE STAIRS REHABILITATION

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION
BROMMER	960 BROMMER ST
D.A. PORATH	2750 LODE ST
MORAN	2750 LODE ST



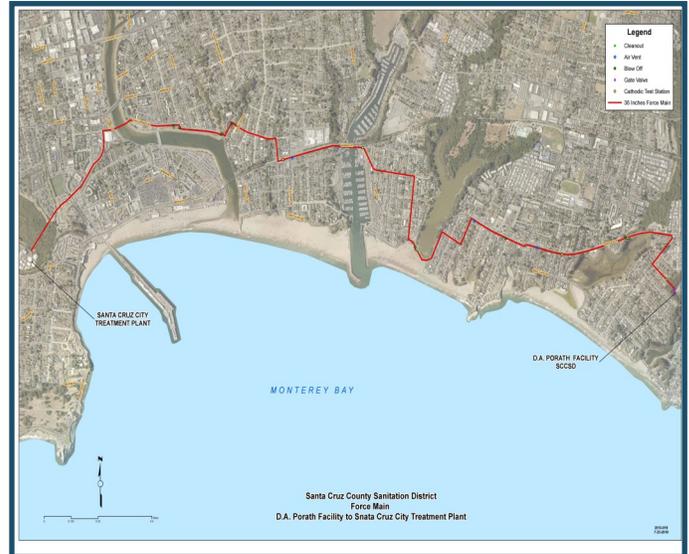
<b>PROJECT TYPE:</b>	OPERATIONS AND MAINTENANCE	<b>PROJECT STATUS:</b>	IN DESIGN
<b>LOCATION:</b>	VARIOUS LOCATIONS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Existing concrete stairs' steel supports and threads are rusted and require rehabilitation at Brommer, D.A. Porath and Moran pump stations.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ 20,000
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ 80,000
Acquisition	\$ -
Construction	\$ 200,000
Construction Management	\$ 20,000
Construction Inspection	\$ 80,000
Other	\$ 75,000
<b>Total Estimated Project Costs</b>	<b>\$ 475,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 475,000</b>

# EAST CLIFF TRANSMISSION MAIN INSPECTION 2026/27

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input checked="" type="checkbox"/>



<b>PROJECT TYPE:</b>	OPERATION AND MAINTENANCE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	CITY OF SANTA CRUZ & LIVE OAK	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	The force main from the D.A. Porath Facility to the City of Santa Cruz was inspected by Pure Technologies in 2014. This is part of the 10-year regular inspection program.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consulting Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 200,000
<b>Total Estimated Project Costs</b>	<b>\$ 200,000</b>

FUNDING SOURCES	
District Funds	\$ 200,000
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 200,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# EAST CLIFF TRANSMISSION MAIN REPAIRS 2026/27

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input checked="" type="checkbox"/>



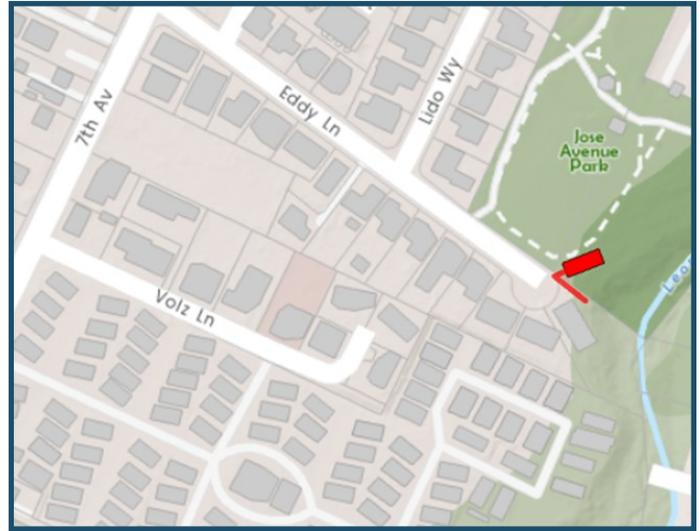
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	CITY OF SANTA CRUZ & LIVE OAK	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Complete repairs identified in the 2026/27 inspection of the force main.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 10,000
Preliminary Design	\$ -
Environmental	\$ 10,000
Geotechnical	\$ 40,000
Consultant Engineering Design	\$ 60,000
Acquisition	\$ -
Construction	\$ 950,000
Construction Management	\$ 60,000
Construction Inspection	\$ 200,000
Other	\$ 327,800
<b>Total Estimated Project Costs</b>	<b>\$ 1,657,800</b>

FUNDING SOURCES	
District Funds	\$ 457,800
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 457,800</b>
<b>Funding Not Yet Identified</b>	<b>\$ 1,200,000</b>

# EDDY LANE SEWER RELOCATION

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	IN DESIGN
<b>LOCATION:</b>	LIVE OAK	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Reroute the sewer from underneath existing structures and install a new sewer pump station near Jose Avenue Park. This project will serve to abandon a deteriorated main and reduce the risk of sanitary sewer overflows in Leona Creek.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 28,000
Preliminary Design	\$ 5,000
Environmental	\$ 1,500
Geotechnical	\$ 40,000
Consultant Engineering Design	\$ 75,000
Acquisition/Appraisal	\$ 70,000
Construction	\$ 1,500,000
Construction Management	\$ 40,000
Construction Inspection	\$ 175,000
Other	\$ 296,000
<b>Total Estimated Project Costs</b>	<b>\$ 2,230,500</b>

FUNDING SOURCES	
District Funds	\$ 630,500
Loans	\$ -
Grants	\$ -
Other (2024 Bonds)	\$ 1,600,000
<b>Total Project Funding</b>	<b>\$ 2,230,500</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# EMERGENCY BYPASS IMPROVEMENTS

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION
CAPITOLA	110 MONTEREY AVE
SOQUEL	809 BAY AVE



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	VARIOUS LOCATIONS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Improve valve vault access and extend connections to bypass valves for quick install of emergency bypass equipment for Capitola and Soquel pump stations, making the system more resilient.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 25,000
Preliminary Design	\$ -
Environmental	\$ 20,000
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ 160,000
Construction	\$ 300,000
Construction Management	\$ 30,000
Construction Inspection	\$ 100,000
Other	\$ 104,000
<b>Total Estimated Project Costs</b>	<b>\$ 739,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other (2024 Bonds)	\$ 739,000
<b>Total Project Funding</b>	<b>\$ 739,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# GENERATOR PLUG AND MANUAL TRANSFER SWITCH UPGRADES 2026/27 –2027/28

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION
MORAN	2750 LODE ST
SPRECKLES	211 FOREST DR



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	VARIOUS LOCATIONS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27 –2027/28
<b>DESCRIPTION:</b>	Install generator plugs to add redundancy for onsite standby generator at Spreckles and install manual transfer switches for power shutoff at both pump stations.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 120,000
<b>Total Estimated Project Costs</b>	<b>\$ 120,000</b>

FUNDING SOURCES	
District Funds	\$ 120,000
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 120,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# GENERATOR REPLACEMENT 2026/27

CAPITOLA

DISTRICT 1

DISTRICT 2

CITY OF SANTA CRUZ

PROJECT	LOCATION
VIA PALO ALTO	1096 VIA PALO ALTO



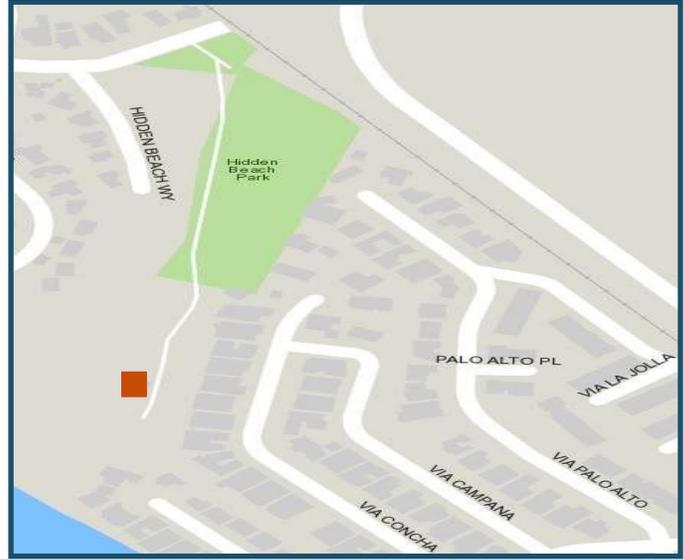
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	VIA PALO ALTO PUMP STATION	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Replace existing onsite standby generator with a new generator to increase resiliency.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 65,000
<b>Total Estimated Project Costs</b>	<b>\$ 65,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 65,000</b>

# HIDDEN BEACH PUMP STATION BYPASS

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



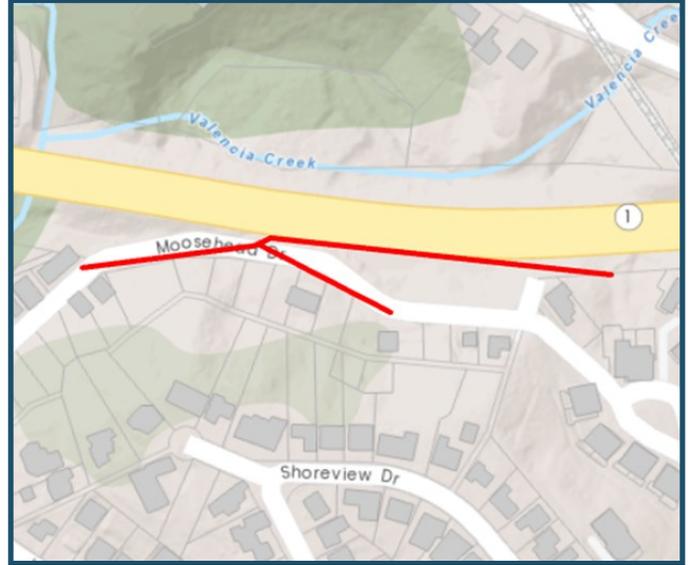
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	IN DESIGN
<b>LOCATION:</b>	HIDDEN BEACH, APTOS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Install an external emergency bypass at the Hidden Beach pump station to increase resiliency of the system.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 5,000
Preliminary Design	\$ -
Environmental	\$ 2,000
Geotechnical	\$ -
Consultant Engineering Design	\$ 40,000
Acquisition	\$ -
Construction	\$ 500,000
Construction Management	\$ 30,000
Construction Inspection	\$ 100,000
Other	\$ 123,000
<b>Total Estimated Project Costs</b>	<b>\$ 800,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other (2024 Bonds)	\$ 800,000
<b>Total Project Funding</b>	<b>\$ 800,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# HIGHWAY 1 AUXILIARY LANE MOOSEHEAD SEWER REALIGNMENT

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	IN DESIGN
<b>LOCATION:</b>	RIO DEL MAR	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27—2027/28
<b>DESCRIPTION:</b>	Relocate 780± linear feet and rehabilitate 200± linear feet of deteriorated sewer as required to facilitate the widening of Highway 1 and the relocation of Moosehead Drive.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 22,240
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ 134,160
Acquisition	\$ 25,000
Construction	\$ 1,800,000
Construction Management	\$ 50,000
Construction Inspection	\$ 100,000
Other	\$ 343,600
<b>Total Estimated Project Costs</b>	<b>\$ 2,475,000</b>

FUNDING SOURCES	
District Funds	\$ 1,300,000
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 1,300,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ 1,175,000</b>

# MANUAL TRANSFER SWITCH INSTALLATION

## 2026/27

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION
ARANA	2201 SOQUEL DR



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	ARANA PUMP STATION	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Install manual transfer switch at Arana pump station to manually shutoff power to isolate power from stand-by generator, increasing resiliency during disasters.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 60,000
<b>Total Estimated Project Costs</b>	<b>\$ 60,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 60,000</b>

# PLC UPGRADES 2026/27

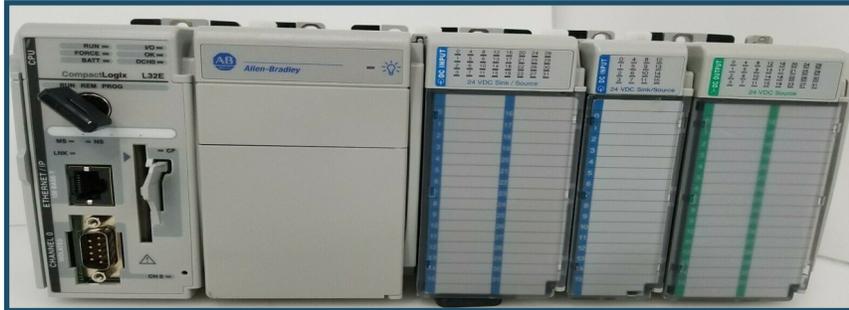
CAPITOLA

DISTRICT 1

DISTRICT 2

CITY OF SANTA CRUZ

PROJECT	LOCATION	PLC MODEL
HIDDEN BEACH	770 CLIFF DRIVE	MicroLogix 1400



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	HIDDEN BEACH	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Replace and upgrade older Programmable Logic Controllers (PLCs) for the generator at Hidden Beach pump station.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 60,000
<b>Total Estimated Project Costs</b>	<b>\$ 60,000</b>

FUNDING SOURCES	
PLC Upgrades	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 60,000</b>

# SEACLIFF PUMP STATION CAPACITY UPGRADE

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/CAPACITY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	SEACLIFF	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Upgrade pump station equipment to increase pumping capacity of the station to handle future flows.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ 1,800
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ 125,000
Construction Management	\$ 15,000
Construction Inspection	\$ 25,000
Other	\$ 33,200
<b>Total Estimated Project Costs</b>	<b>\$ 200,000</b>

FUNDING SOURCES	
District Funds	\$ 200,000
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 200,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ -</b>

# SOFT STARTS REPLACEMENTS

## 2026/27

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION
CAPITOLA	110 MONTEREY AVENUE
SOQUEL	809 BAY AVENUE



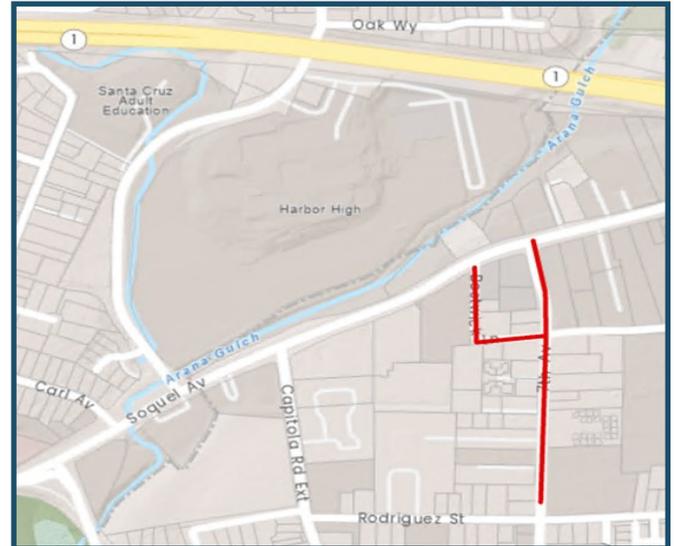
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	VARIOUS LOCATIONS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2026/27
<b>DESCRIPTION:</b>	Install soft starts at Capitola and Soquel pump stations.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 60,000
<b>Total Estimated Project Costs</b>	<b>\$ 60,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 60,000</b>

# 7<sup>TH</sup> AVENUE SEWER CAPACITY UPGRADE – NORTH

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



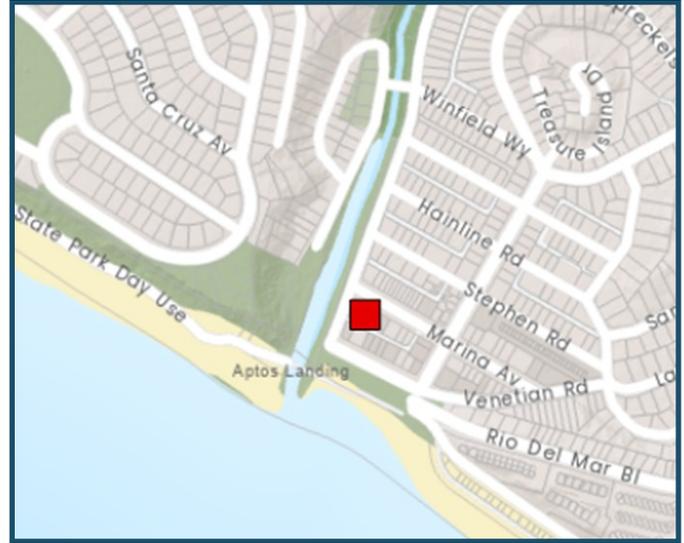
<b>PROJECT TYPE:</b>	CAPACITY UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	LIVE OAK	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2027/28
<b>DESCRIPTION:</b>	Install approximately 2,130± linear feet of 8-inch new sewer main to replace the existing 6-inch sewer to remedy the capacity deficiency of the sewers in the northern portion of 7 <sup>th</sup> Avenue.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 60,000
Preliminary Design	\$ -
Environmental	\$ 1,800
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ 80,000
Construction	\$ 2,343,000
Construction Management	\$ 100,000
Construction Inspection	\$ 200,000
Other	\$ 445,200
<b>Total Estimated Project Costs</b>	<b>\$ 3,230,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 3,230,000</b>

# APTOS ESPLANADE PUMP STATION VALVE REPLACEMENT

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



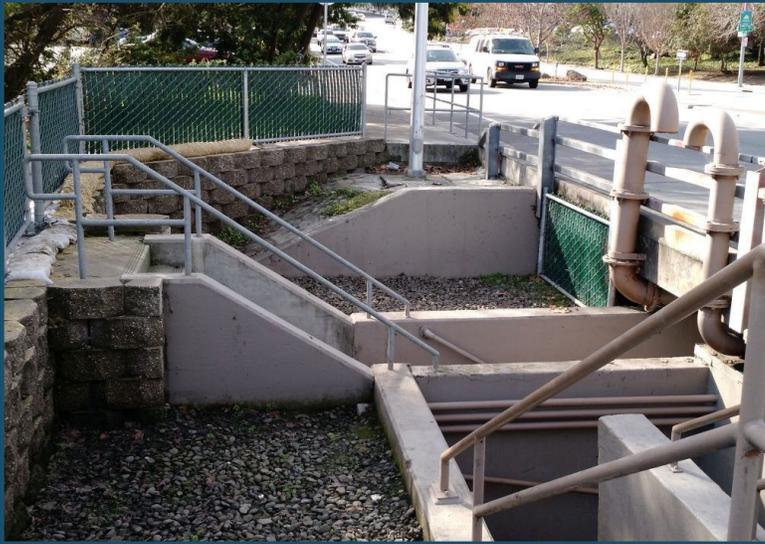
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	APTOS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2027/28
<b>DESCRIPTION:</b>	Replace old/leaky valves at the Aptos Esplanade pump station with new valves to improve operations and protect against sewer spills.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ 2,500
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ 1,100,000
Construction Management	\$ 40,000
Construction Inspection	\$ 50,000
Other	\$ 307,500
<b>Total Estimated Project Costs</b>	<b>\$ 1,500,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 1,500,000</b>

# ARANA PUMP STATION RECONSTRUCTION

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



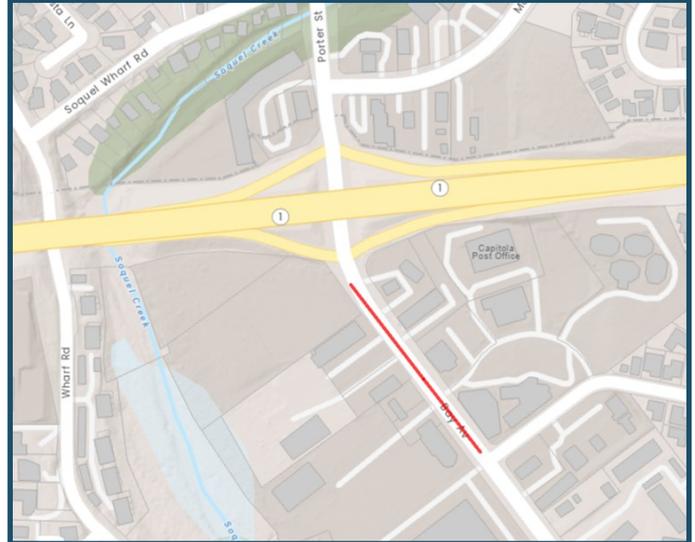
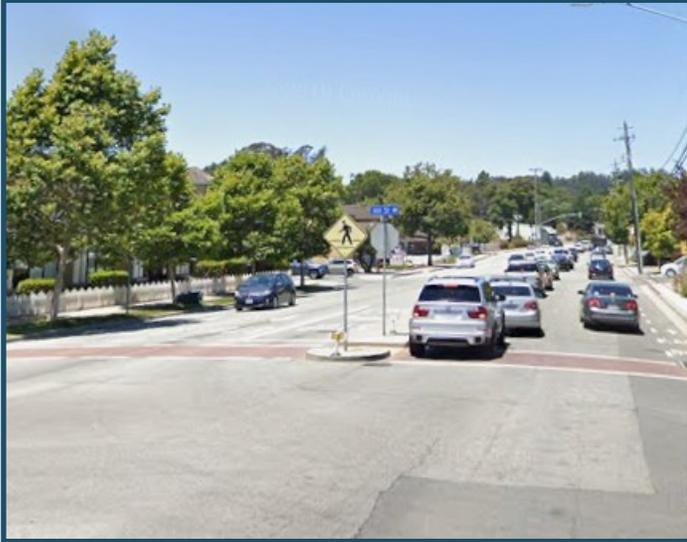
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	IN DESIGN
<b>LOCATION:</b>	LIVE OAK	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2027/28
<b>DESCRIPTION:</b>	To increase resiliency, reconstruct the subsurface pump station out of the floodplain to allow for critical access during storm events and safeguard against sewer spills.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 30,000
Preliminary Design	\$ 144,114
Environmental	\$ 3,500
Geotechnical	\$ 65,000
Consultant Engineering Design	\$ 200,000
Acquisition	\$ 55,000
Construction/Installation	\$ 5,000,000
Construction Management	\$ 250,000
Construction Inspection	\$ 350,000
Other	\$ 702,386
<b>Total Estimated Project Costs</b>	<b>\$ 6,800,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 6,800,000</b>

# BAY AVENUE SEWER UPGRADE

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



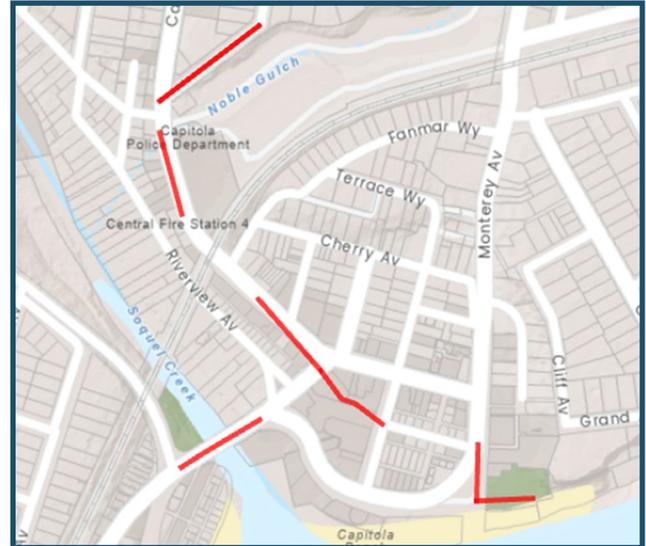
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/CAPACITY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	CAPITOLA	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2027/28
<b>DESCRIPTION:</b>	Abandon 600± linear feet of deteriorated sewer main in Bay Avenue and connect served laterals to the parallel trunkline.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 15,000
Preliminary Design	\$ -
Environmental	\$ 1,800
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ 500,000
Construction Management	\$ 40,000
Construction Inspection	\$ 100,000
Other	\$ 128,200
<b>Total Estimated Project Costs</b>	<b>\$ 785,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 785,000</b>

# CAPITOLA VILLAGE SEWER REHABILITATION PHASE 1

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



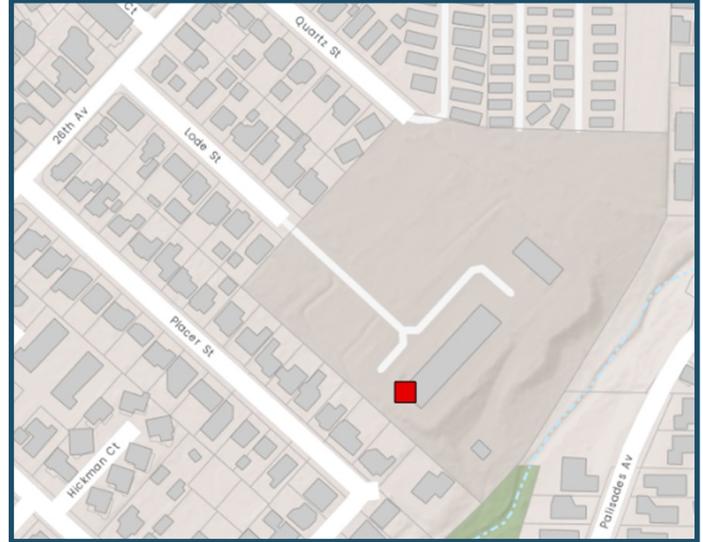
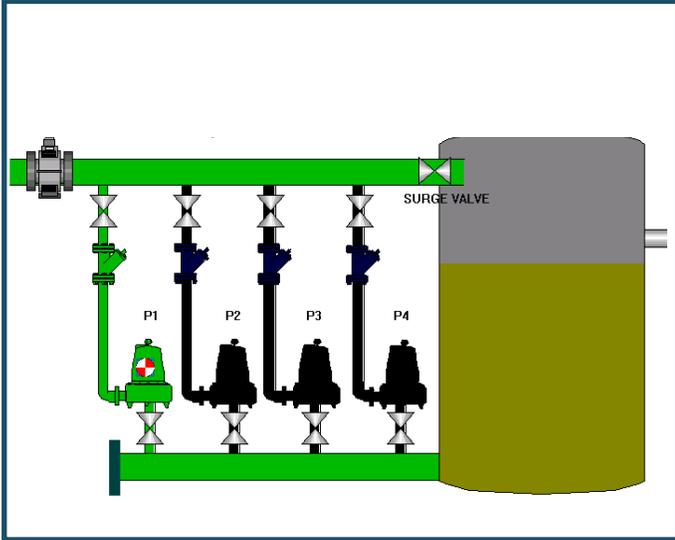
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	IN DESIGN
<b>LOCATION:</b>	CAPITOLA VILLAGE	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2027/28
<b>DESCRIPTION:</b>	Rehabilitate 1,800± linear feet of deteriorating sewer mains that are old and deteriorating.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 40,000
Preliminary Design	\$ -
Environmental	\$ 2,000
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ 40,000
Construction	\$ 1,980,000
Construction Management	\$ 100,000
Construction Inspection	\$ 530,000
Other	\$ 478,000
<b>Total Estimated Project Costs</b>	<b>\$ 3,170,000</b>

FUNDING SOURCES	
District Funds	\$ 170,000
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 170,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ 3,000,000</b>

# D.A. PORATH PUMP STATION CAPACITY UPGRADE

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input checked="" type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/CAPACITY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	CAPITOLA	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2027/28
<b>DESCRIPTION:</b>	Study, identify, and construct improvements at the East Cliff pump station to increase operational efficiency and capacity.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 3,000,000
<b>Total Estimated Project Costs</b>	<b>\$ 3,000,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 3,000,000</b>

# HIDDEN BEACH METER MAIN AND AUTOMATIC TRANSFER SWITCH

CAPITOLA

DISTRICT 1

DISTRICT 2

CITY OF SANTA CRUZ

## PUMP STATION

## LOCATION

HIDDEN BEACH

770 CLIFF DRIVE



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	HIDDEN BEACH PUMP STATION	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2027/28
<b>DESCRIPTION:</b>	Replace existing automatic transfer switch and meter main with new equipment. Relocate electrical meter outside of building.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ 70,000
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 120,000
<b>Total Estimated Project Costs</b>	<b>\$ 190,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 190,000</b>

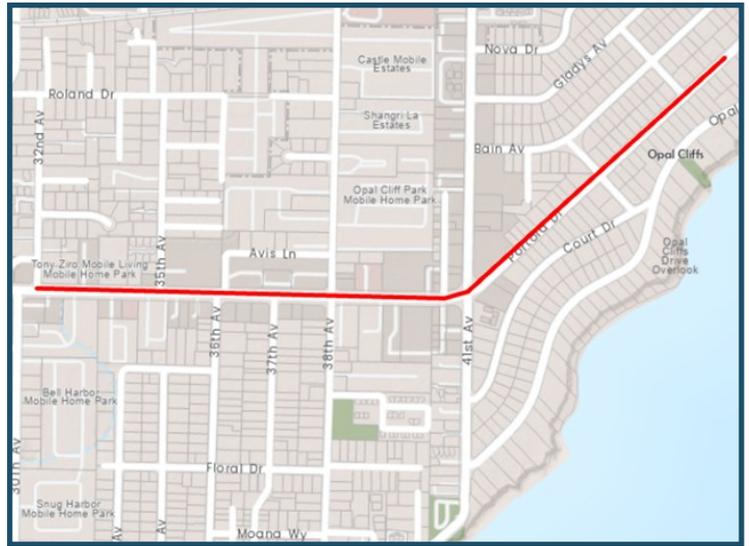
# PORTOLA DRIVE SEWER CAPACITY UPGRADE

CAPITOLA

DISTRICT 1

DISTRICT 2

CITY OF SANTA CRUZ



<b>PROJECT TYPE:</b>	CAPACITY UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	LIVE OAK	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2027/28
<b>DESCRIPTION:</b>	Install approximately 4,000 linear feet of new sewer main to remedy the capacity deficiency in the sewers in Portola Drive.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 80,000
Preliminary Design	\$ -
Environmental	\$ 1,000
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ 80,000
Construction	\$ 5,200,000
Construction Management	\$ 150,000
Construction Inspection	\$ 250,000
Other	\$ 739,000
<b>Total Estimated Project Costs</b>	<b>\$ 6,500,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 6,500,000</b>

# SOFT STARTS REPLACEMENTS

## 2027/28

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION
APTOS ESPLANADE	104 MARINA AVE
HIDDEN BEACH	770 CLIFF DRIVE



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	VARIOUS LOCATIONS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2027/28
<b>DESCRIPTION:</b>	Install soft starts at Aptos Esplanade and Hidden Beach pump stations.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 65,000
<b>Total Estimated Project Costs</b>	<b>\$ 65,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 65,000</b>

# VFD REPLACEMENT –2027/28

CAPITOLA

DISTRICT 1

DISTRICT 2

CITY OF SANTA CRUZ

PUMP STATION	LOCATION
APTOS ESPLANADE	104 MARINA AVE



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	APTOS ESPLANADE	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2027/28
<b>DESCRIPTION:</b>	Variable Frequency Drive (VFD) will be replaced at Aptos Esplanade pump station.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 100,000
<b>Total Estimated Project Costs</b>	<b>\$ 100,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 100,000</b>

# 2028 SEWER PIPE REHABILITATION

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	DISTRICT WIDE	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2028/29
<b>DESCRIPTION:</b>	Rehabilitate sewer mains and manholes identified by video assessment as critical to repair.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 25,000
Preliminary Design	\$ -
Environmental	\$ 8,000
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ 50,000
Construction	\$ 1,450,000
Construction Management	\$ 50,000
Construction Inspection	\$ 130,000
Other	\$ 387,000
<b>Total Estimated Project Costs</b>	<b>\$ 2,100,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 2,100,000</b>

# VFD REPLACEMENTS WITH SOFT STARTS 2028/29

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>

PUMP STATION	LOCATION
15 <sup>TH</sup> AVE	262 15 <sup>TH</sup> AVE
ARANA	2201 SOQUEL DR



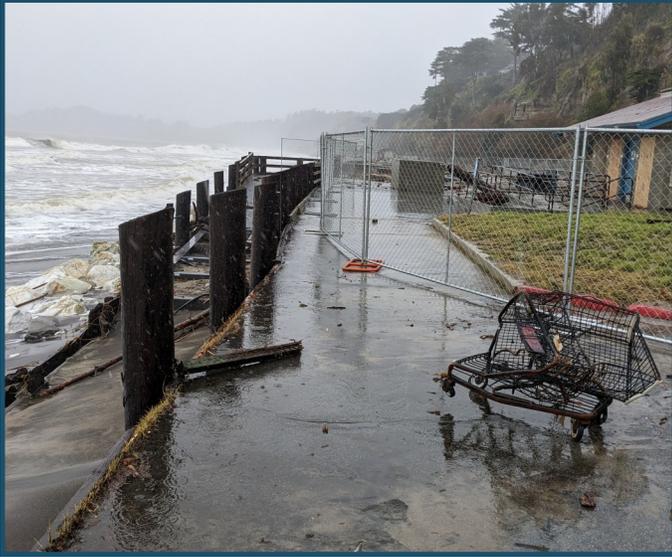
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/RESILIENCY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	VARIOUS LOCATIONS	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2028/29
<b>DESCRIPTION:</b>	Variable Frequency Drive (VFD) will be replaced with soft starts at 15 <sup>th</sup> Avenue and Arana pump stations.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 35,000
<b>Total Estimated Project Costs</b>	<b>\$ 35,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 35,000</b>

# A1 PUMP STATION RELOCATION

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	RESILIENCY	<b>PROJECT STATUS:</b>	IN DESIGN
<b>LOCATION:</b>	SEACLIFF	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2029/30
<b>DESCRIPTION:</b>	In accordance with State Parks' plans for Seacliff Beach in response to sea-level rise and wave runup, relocate the A1 sewer pump station to a new and protected location.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 50,000
Preliminary Design	\$ -
Environmental	\$ 10,000
Geotechnical	\$ -
Consultant Engineering Design	\$ 200,000
Acquisition	\$ 150,000
Construction	\$ 5,600,000
Construction Management	\$ 150,000
Construction Inspection	\$ 300,000
Other	\$ 391,000
<b>Total Estimated Project Costs</b>	<b>\$ 6,851,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 6,851,000</b>

# VFD REPLACEMENTS WITH SOFT STARTS 2029/30

CAPITOLA

DISTRICT 1

DISTRICT 2

CITY OF SANTA CRUZ

PUMP STATION	LOCATION
SEACLIFF	837 SEACLIFF DRIVE
SPRECKLES	211 FOREST DRIVE



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	SEACLIFF AND SPRECKLES	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2029/30
<b>DESCRIPTION:</b>	Variable Frequency Drive (VFD) will be replaced with soft starts at Seacliff and Spreckles pump stations.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ -
Preliminary Design	\$ -
Environmental	\$ -
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ -
Construction	\$ -
Construction Management	\$ -
Construction Inspection	\$ -
Other	\$ 38,000
<b>Total Estimated Project Costs</b>	<b>\$ 38,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 38,000</b>

# 2030 SEWER PIPE REHABILITATION

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	DISTRICT WIDE	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2030/31
<b>DESCRIPTION:</b>	Rehabilitate sewer mains and manholes identified by video assessment as critical to repair.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 50,000
Preliminary Design	\$ -
Environmental	\$ 10,000
Geotechnical	\$ -
Consultant Engineering Design	\$ -
Acquisition	\$ 100,000
Construction	\$ 3,250,000
Construction Management	\$ 100,000
Construction Inspection	\$ 300,000
Other	\$ 290,000
<b>Total Estimated Project Costs</b>	<b>\$ 4,100,000</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 4,100,000</b>

# RIO DEL MAR SEWER REHABILITATION—PHASE 2

CAPITOLA

DISTRICT 1

DISTRICT 2

CITY OF SANTA CRUZ



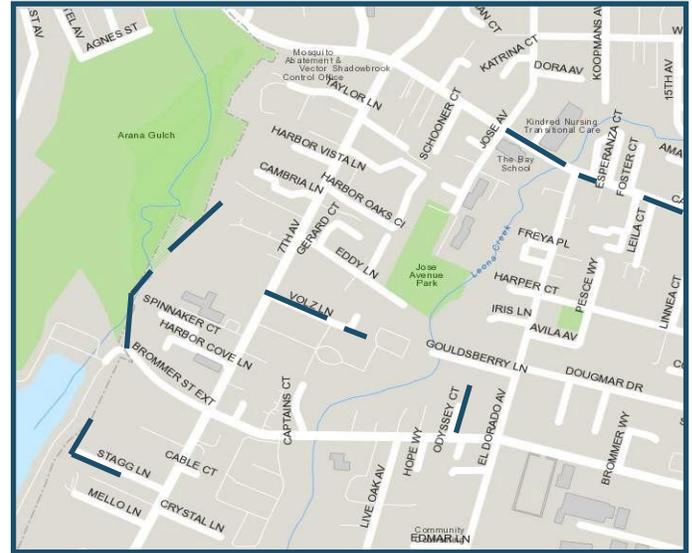
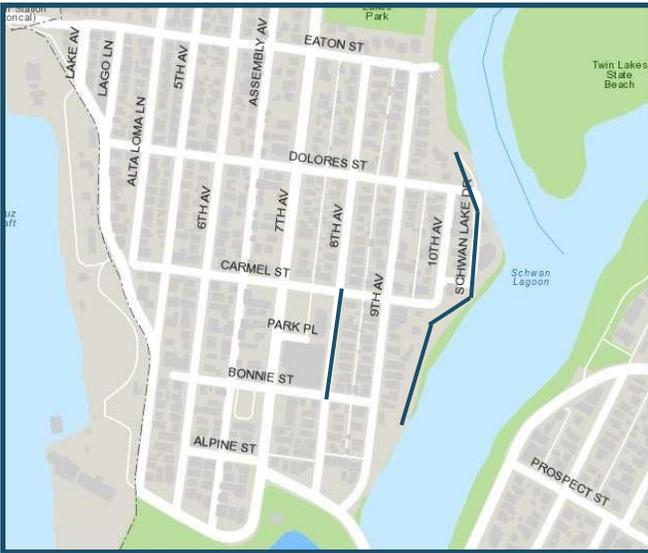
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	RIO DEL MAR	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2030/31
<b>DESCRIPTION:</b>	Rehabilitate 7,000± linear feet of sewer mains that become clogged with roots, requiring frequent flushing and maintenance to prevent overflows. The need for Smart Cover monitoring on two manholes will be eliminated.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 60,000
Preliminary Design	\$ 0
Environmental	\$ 150,000
Geotechnical	\$ 80,000
Consultant Engineering Design	\$ -
Acquisition	\$ 300,000
Construction	\$ 7,800,000
Construction Management	\$ 100,000
Construction Inspection	\$ 800,000
Other	\$ 1,394,600
<b>Total Estimated Project Costs</b>	<b>\$ 10,684,600</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 10,684,600</b>

# SANTA CRUZ HARBOR AREA SEWER REHABILITATION—PHASE 2

CAPITOLA	<input type="checkbox"/>
DISTRICT 1	<input checked="" type="checkbox"/>
DISTRICT 2	<input type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



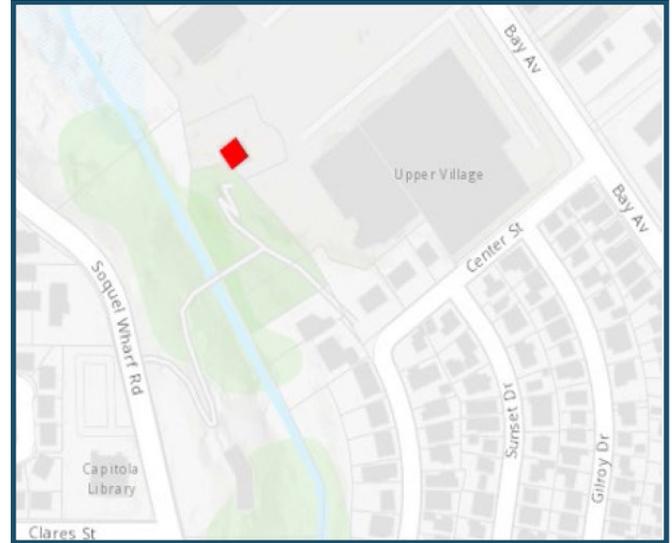
<b>PROJECT TYPE:</b>	SYSTEM UPGRADE	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	TWIN LAKES	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2030/31
<b>DESCRIPTION:</b>	Replace or repair 4,400± linear feet of deteriorating gravity sewer mains and manholes located throughout the east Santa Cruz Harbor area. The sewer lines are old, deteriorating and at the end of their design life.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 30,000
Preliminary Design	\$ -
Environmental	\$ 70,000
Geotechnical	\$ -
Consultant Engineering Design	\$ 60,000
Acquisition	\$ 150,000
Construction	\$ 4,840,000
Construction Management	\$ 80,000
Construction Inspection	\$ 400,000
Other	\$ 926,900
<b>Total Estimated Project Costs</b>	<b>\$ 6,556,900</b>

FUNDING SOURCES	
District Funds	\$ -
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ -</b>
<b>Funding Not Yet Identified</b>	<b>\$ 6,556,900</b>

# SOQUEL PUMP STATION AUXILIARY WET WELL

CAPITOLA	<input checked="" type="checkbox"/>
DISTRICT 1	<input type="checkbox"/>
DISTRICT 2	<input checked="" type="checkbox"/>
CITY OF SANTA CRUZ	<input type="checkbox"/>



<b>PROJECT TYPE:</b>	SYSTEM UPGRADE/CAPACITY	<b>PROJECT STATUS:</b>	FUTURE DESIGN
<b>LOCATION:</b>	CAPITOLA	<b>ESTIMATED CONSTRUCTION YEARS:</b>	2030/31
<b>DESCRIPTION:</b>	Construct an auxiliary wet well at the existing Soquel Pump Station to increase holding capacity which will reduce the probability of the existing wet wells overtopping during system failures and other emergencies.		

ESTIMATED PROJECT COSTS	
Land Survey	\$ 15,000
Preliminary Design	\$ -
Environmental	\$ 15,000
Geotechnical	\$ 50,000
Consultant Engineering Design	\$ 350,000
Acquisition	\$ 75,000
Construction	\$ 4,500,000
Construction Management	\$ 305,000
Construction Inspection	\$ 310,074
Other	\$ 349,926
<b>Total Estimated Project Costs</b>	<b>\$ 5,970,000</b>

FUNDING SOURCES	
District Funds	\$ 100,000
Loans	\$ -
Grants	\$ -
Other	\$ -
<b>Total Project Funding</b>	<b>\$ 100,000</b>
<b>Funding Not Yet Identified</b>	<b>\$ 5,870,000</b>

# SANTA CRUZ COUNTY SANITATION DISTRICT

## CAPITAL IMPROVEMENT PROGRAM REPORT

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### UNPROGRAMMED PROJECTS



## UNPROGRAMMED PROJECTS 2030/31+

DESCRIPTION	CAPITOLA	DISTRICT 1	DISTRICT 2	CITY OF SC	ESTIMATED COST	2030/31 ESTIMATED COST	2035/36 ESTIMATED COST
38 <sup>TH</sup> AVENUE AREA SEWER REHABILITATION	X	X			\$ 4,780,700	\$ 5,816,500	\$ 7,076,700
41 <sup>ST</sup> AND CAPITOLA ROAD AREA SEWER REHABILITATION	X	X			\$ 9,561,300	\$ 11,632,800	\$ 14,153,100
42 <sup>ND</sup> AVENUE SEWER REPLACEMENT — CLARES STREET TO CAPITOLA ROAD	X	X			\$ 1,747,800	\$ 2,126,500	\$ 2,587,200
A3 PUMP STATION – SEA LEVEL RISE PROTECTION			X		\$ 7,591,900	\$ 9,236,700	\$ 11,237,900
ARANA GULCH SEWER REHABILITATION — PH 2		X			\$ 2,368,700	\$ 2,881,900	\$ 3,506,300
ARANA GULCH SOUTH SEWER REHABILITATION		X			\$ 4,326,400	\$ 5,263,700	\$ 6,404,100
BEACH DRIVE SEWER REHABILITATION			X		\$ 11,010,700	\$ 13,396,200	\$ 16,298,500
BORREGAS GULCH TRUNKLINE REPLACEMENT — PH 2			X		\$ 4,412,900	\$ 5,369,000	\$ 6,532,200
BORREGAS GULCH TRUNKLINE REPLACEMENT — PH 3			X		\$ 4,499,500	\$ 5,474,300	\$ 6,660,300
CAPITOLA ROAD EXTENSION SEWER REPLACEMENT	X		X		\$ 1,211,400	\$ 1,473,900	\$ 1,793,200
CAPITOLA VILLAGE SEWER REHABILITATION — PH 2	X		X		\$ 5,624,300	\$ 6,842,800	\$ 8,325,300

## UNPROGRAMMED PROJECTS 2030/31+

DESCRIPTION	CAPITOLA	DISTRICT 1	DISTRICT 2	CITY OF SC	ESTIMATED COST		2030/31 ESTIMATED COST		2035/36 ESTIMATED COST	
CAPITOLA VILLAGE SEWER REHABILITATION — PH 3	X		X		\$	9,301,800	\$	11,317,100	\$	13,769,000
COASTVIEW DRIVE SEWER LINE REPLACEMENT		X			\$	3,495,800	\$	4,253,200	\$	5,174,700
COMMERCIAL WAY—17 <sup>TH</sup> AVENUE SEWER CAPACTIY UPGRADE		X			\$	3,669,400	\$	4,464,400	\$	5,431,600
D.A. PORATH FACILITY IMPROVEMENTS	X	X	X		\$	29,744,000	\$	36,188,100	\$	44,028,400
GENERATOR REPLACEMENTS—MAR VISTA AND GROVE PUMP STATIONS	X		X		\$	97,300	\$	118,400	\$	144,100
HIDDEN BEACH PUMP STATION RELOCATION			X		\$	11,387,900	\$	13,855,100	\$	16,856,800
HARBOR VIEW PUMP STATION IMPROVEMENTS		X			\$	1,560,000	\$	1,898,000	\$	2,309,200
HILL STREET/CAPITOLA AVENUE AREA SEWER REPLACEMENT	X		X		\$	761,500	\$	926,500	\$	1,127,200
LIVE OAK SEWER REHABILITATION — PH 1		X			\$	5,213,300	\$	6,342,800	\$	7,717,000
LIVE OAK SEWER REHABILITATION — PH 2		X			\$	8,652,800	\$	10,527,500	\$	12,808,300

## UNPROGRAMMED PROJECTS 2030/31+

DESCRIPTION	CAPITOLA	DISTRICT 1	DISTRICT 2	CITY OF SC	ESTIMATED COST		2030/31 ESTIMATED COST		2035/36 ESTIMATED COST	
MORAN TRANSMISSION MAIN REPLACEMENT		X			\$	1,427,700	\$	1,737,000	\$	2,113,300
OPAL CLIFF DRIVE SEWER REPLACEMENT		X			\$	2,284,400	\$	2,779,300	\$	3,381,400
PAUL SWEET ROAD SEWER RELOCATION		X			\$	2,284,400	\$	2,779,300	\$	3,381,400
PORTOLA DRIVE SEWER REPLACEMENT — PH 2		X			\$	3,796,000	\$	4,618,400	\$	5,619,000
REHABILITATION OF SEWERS ON ROOT CONTROL — PH 1	X	X	X		\$	6,922,200	\$	8,421,900	\$	10,246,500
REHABILITATION OF SEWERS ON ROOT CONTROL — PH 2	X	X	X		\$	6,922,200	\$	8,421,900	\$	10,246,500
REHABILITATION OF SEWERS ON ROOT CONTROL — PH 3	X	X	X		\$	6,922,200	\$	8,421,900	\$	10,246,500
REHABILITATION OF SEWERS ON ROOT CONTROL — PH 4	X	X	X		\$	6,922,200	\$	8,421,900	\$	10,246,500
RIO DEL MAR SEWER REHABILITATION — PH 3		X			\$	6,716,700	\$	8,171,900	\$	9,942,400
RIO DEL MAR SEWER REHABILITATION — PH 4		X			\$	15,758,900	\$	19,173,100	\$	23,327,000

## UNPROGRAMMED PROJECTS 2030/31+

DESCRIPTION	CAPITOLA	DISTRICT 1	DISTRICT 2	CITY OF SC	ESTIMATED COST	2030/31 ESTIMATED COST	2035/36 ESTIMATED COST
RODEO PUMP STATION VALVE REPLACEMENT		X			\$	2,404,100	\$ 2,925,000
SCHWAN FORCE MAIN REPLACEMENT			X		\$	\$ 8,092,900	\$ 9,846,300
SEARIDGE ROAD SEWER REPLACEMENT		X			\$	\$ 1,684,300	\$ 2,049,200
SEASCAPE BOULEVARD, PROVINCETOWN COURT TO SUMNER AVENUE SEWER REPLACEMENT			X		\$ 1,228,700	\$ 1,494,900	\$ 1,818,800
SECONDARY FORCE MAIN—DA PORATH TO CITY WWTP	X	X	X	X	\$	\$ 101,225,500	\$ 123,156,300
SOQUEL VILLAGE SEWER REHABILITATION — PH 3		X			\$	\$ 3,724,100	\$ 4,530,900
TOWNSEND AREA SEWER REHABILITATION			X		\$	\$ 6,474,400	\$ 7,877,100
VIENNA WOODS SEWER REHABILITATION — PH 1			X		\$	\$ 4,934,700	\$ 6,003,800
UPPER HARBOR SEWER REPLACEMENT		X			\$	\$ 21,054,900	\$ 25,616,500
<b>TOTAL ESTIMATED COST</b>					<b>\$ 315,161,200</b>	<b>\$ 383,441,800</b>	<b>\$ 466,515,500</b>

# SANTA CRUZ COUNTY SANITATION DISTRICT

## CAPITAL IMPROVEMENT PROGRAM REPORT

FISCAL YEARS 2026-2030

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### GLOSSARY



# GLOSSARY OF TERMS AND TECHNOLOGIES

This comprehensive glossary provides definitions and explanations of key terms, acronyms, and technologies used in wastewater infrastructure. These terms are critical to convey capital project needs, asset management strategies, new infrastructure construction techniques, and infrastructure rehabilitation.



# GLOSSARY

## ASBESTOS CEMENT PIPE (ACP)

Asbestos cement pipe is comprised of a mixture of Portland cement, asbestos, and other silica-containing materials. It is formed under pressure and is heat cured. Due to its lightweight properties and corrosive resistance in soil, ACP became an option for water, wastewater, and storm drainage systems beginning in the 1940's. Over time hydrogen sulfide gases in wastewater have proven to be highly corrosive to ACPs, causing them to deteriorate, sometimes to the point of collapse. ACP is common in the District's system and is replaced with more modern materials where necessary.

## AIR RELIEF VALVE (ARV)

Air release valves expel trapped air in a pressurized pipeline (like a sewer force main). ARVs prevent vacuum conditions and air pockets that can cause rapid corrosion of the pipe, loss of efficiency, and system surges which can cause damage to the sewer infrastructure.

## ASSET MANAGEMENT

Sewer asset management is a strategic, long-term process for utilities to manage their physical infrastructure (pipes, pumps, manholes, etc.) to provide desired service levels at the lowest total cost over the asset's lifecycle, ensuring sustainability through proactive planning for maintenance, repairs, and

replacements. Management decisions are supported by data, consider risk, and incorporate financial planning to avoid costly failures and ensure continuous service to the public.

## CAST IN PLACE PIPE (CIPP)

Cast-in-place pipe is made of Portland cement concrete. CIPP is a trenchless repair method that creates a new, pipe inside a damaged one by inserting a resin-saturated liner, inflating it to press against the old walls, and then curing it with heat, steam, or UV light, forming a durable, jointless pipe without excavation. This method of rehabilitation is ideal for cracked or corroded lines but typically is not an option for severely damaged pipes.

For more information, see Trenchless Guide at the end of this section.

## DIRECTIONAL BORING/DRILLING

Directional boring for sewer mains is a trenchless method used to install pipes by drilling a pilot hole along a precise path, then enlarging it and pulling the new pipe through, all while minimizing surface disruption by going under obstacles like roads, buildings, or rivers. This technique avoids open trenching, reducing impacts to landscaping, roads, and other existing infrastructure.

For more information, see Trenchless Guide at the end of this section.

# GLOSSARY

## FORCE MAIN

A force main is a pressurized sewer pipeline, used where there is not enough slope for gravity to adequately convey the sewer. An entire length of pipe may be a force main, or the pipeline may alternate between force and gravity. Pump stations are used to pressurize the system.

## GENERATOR

A gas- or diesel-powered engine which provides temporary electrical power. Stand-by generators or portable generators delivered to the site power the pump stations when power is lost.

## GRAVITY SEWER

Gravity sewer pipes use the natural force of gravity and a downward slope to transport sewer from homes and businesses to a pump station or treatment plant without needing pumps; elevation differences serve to move sewage from higher to lower points.

## HATCH

A hatch is a ground level access door used to access wet wells, valve vaults, and other equipment.

## HIGH DENSITY POLYETHYLENE PIPE (HDPE)

High Density Polyethylene Pipe can be used to convey sewer. HDPE is durable, relatively flexible, and is corrosion resistant. Joining HDPE pipe segments requires fusing, resulting in a joint-free system.

## LATERAL

A lateral is the part of the sewer system which connects the residence's or business's sewer to the public sewer main. In the District, laterals are owned and maintained by the property owners.

## LIFT STATION

A lift station (also called a pump station) is used to pump collected sewer to a higher point. Lift stations typically consist of a wet well where the sewer collects, pumps, valves, pressure piping, electrical controls, a SCADA system and alarms, and a generator when space allows.

The wet well is equipped with electrical instrumentation to detect the level of sewage, and when the sewage level rises to a pre-set point, a pump motor creates pressure to push the sewage into a force main where it is eventually discharged into a gravity manhole or another wet well. Lift stations perform this function throughout the District until the collected sewer reaches the City' treatment plant.

# GLOSSARY

## LIFT STATION CONT.

The size of the lift station depends on the population being served, with the pumps typically between 2hp to 230hp. Typically, larger lift stations have their equipment located in above ground enclosed structures and smaller lift stations have their pumps, valves, and piping located underground in vaults.

## LINEAR FOOT (LF)

A linear foot is a unit of one-dimensional measurement used to quantify distance in a straight line along a horizontal plane, not accounting for changes in height. Sewer pipe lengths are typically measured in linear feet.

## MANUAL TRANSFER SWITCH (MTS)

A manual transfer switch at a sewer lift station allows an operator to safely connect the station to emergency backup power (like a generator) during power outages, preventing sewage backups. The operator can physically flip the switch from utility to generator power, avoiding dangerous backfeeding (power flowing from the station back to the power grid) and ensuring critical lift station operation.

## MICROTUNNELING

Microtunneling for sewer construction is a trenchless method using a remotely controlled Microtunnel Boring Machine (MTBM) to excavate tunnels and simultaneously install pipes from a launch pit to a receiving pit, minimizing surface disruption. It works by pushing pipe sections behind the boring machine as it excavates, using laser guidance for accuracy and often a slurry system to remove soil.

For more information, see Trenchless Guide at the end of this section.

## MORATORIUM

A moratorium is a suspension in allowed new sewer connections, typically due to capacity limitations in the system.

# GLOSSARY

## PIPE BURSTING

Pipe bursting in sewer construction is a trenchless method to replace old, damaged sewer lines by pulling a new, same-sized or slightly larger pipe through the old one, which is simultaneously broken apart and forced into the surrounding soil by a bursting head, minimizing surface disruption. A hydraulic/pneumatic head attached to a cable is pulled through the existing pipe (the "host pipe") from an access pit, a fracturing the pipe as it goes, while the new pipe (often HDPE) is fed in behind it, creating a new, seamless line.

For more information, see Trenchless Guide at the end of this section.

## PIPE JACKING

Pipe jacking in sewer construction is a trenchless method to install pipelines by using hydraulic jacks to push pipe segments through the ground from an entry pit, while a tunneling machine excavates ahead, creating a tunnel for the new pipe. This technique minimizes surface disruption with soil removed from the tunnel pulled back to the launch pit for disposal.

For more information, see Trenchless Guide at the end of this section.

## PROGRAMMABLE LOGIC CONTROLLER (PLC)

A Programmable Logic Controller is an industrial computer that acts as the "brain" that automates pump operation. It uses sensor data (like sewage floats) to make real-time decisions, turns pumps on/off, controls speeds (with VFDs), and manages alarms to prevent sewer spills. A PLC uses flexible software logic, allowing for remote monitoring through SCADA, and ensures pumps and equipment run optimally based on programmed rules.

## PUMP STATION

See 'Lift Station'.

# GLOSSARY

## RIPARIAN CORRIDOR

A riparian corridor is the part of a watershed adjacent to a body of water, such as a creek, river, or stream. Since gravity sewers are often located at low points, they often intersect riparian corridors. Construction and rehabilitation in these areas requires adherence to specific environmental regulations, often adding significant costs to the projects.

## SCADA

SCADA, or Supervisory Control and Data Acquisition, is a computer-based network that remotely monitors, controls, and collects real-time data from sewer collection systems, allowing operators to manage pumps, detect overflows, automate processes, and optimize operations across large areas from a central location, improving efficiency and preventing costly issues. The system uses sensors, PLCs, and software.

## SOFT START

A soft start for a sewer pump gradually increases voltage to the motor, preventing the harsh electrical spikes and mechanical jolts of a direct start, which protects the pump, reduces water hammer (pipe shock), saves energy, prevents breaker trips, and extends equipment life.

## SLIPLINING

Sliplining is a trenchless rehabilitation method where a new, smaller-diameter pipe (the "liner") is inserted into an existing, damaged sewer pipe (the "host pipe") to create a "pipe within a pipe," restoring structural integrity, sealing leaks, and improving flow without extensive excavation. The liner is often pulled through the existing pipe and grout fills the gap between the pipes.

For more information, see Trenchless Guide at the end of this section.

## SSFM

Sanitary Sewer Force Main. See 'Force Main'.

## TRANSMISSION MAIN

A sewer transmission main is a large-diameter pipeline that transports vast quantities of raw sewage or treated wastewater from local collection systems or lift stations to a larger lift station or wastewater treatment plant.

## TRENCHLESS SEWER TECHNOLOGY

Methods of new sewer construction or sewer rehabilitation that can be completed without continuous open trenching of the pipe alignment.

For more information, see Trenchless Guide at the end of this section.

# GLOSSARY

## TRUNK LINE

A trunk line is a large sewer main that collects wastewater from smaller sewer mains and carries it to an interceptor sewer, lift station, or a treatment plant. It acts as a primary artery in a municipal sewer system.

## VARIABLE FREQUENCY DRIVE (VFD)

A Variable Frequency Drive (VFD) for a sewer pump station is an electronic controller that adjusts the pump motor's speed by varying the electrical frequency and voltage. This allows the pump to best accommodate for fluctuating sewer flows, save significant energy, prevent wear from constant starts/stops, and provide smart control for issues like clogging. Efficiency is optimized and equipment life is extended.

## VITRIFIED CLAY PIPE (VCP)

Vitrified Clay Pipe is made from clay and shale fired at high temperatures, creating a hard, non-porous material resistant to corrosion and abrasion, commonly used in gravity sewer systems for its exceptional strength, longevity (often 100+ years), and chemical stability against sewage byproducts like hydrogen sulfide. Challenges with VCP over time are its brittle nature leading to cracks and wall failures, and issues with roots and

ground water intruding at the systems many joints. VCP in the District is replaced with more modern materials where necessary.

## WET WELL

A wet well in a sewer lift station is an underground pit that collects wastewater until it reaches a specific level, triggering pumps to move it to a higher elevation or treatment plant, acting as a temporary reservoir to ensure efficient pump operation by storing flow and preventing constant starting/stopping of sewer pumps.

# TRENCHLESS GUIDE

Trenchless technology is a type of subsurface construction work that requires some trenches/access points along the alignment, but no continuous trench over the entire alignment. It is a rapidly growing sector of the construction and civil engineering industry. Trenchless construction can have minimal disruption to environmentally-sensitive areas, waterways, roadways, and other surface improvements.

## TRENCHLESS TECHNOLOGY – NEW CONSTRUCTION

Some common trenchless techniques for new sewer pipeline construction include **microtunneling**, horizontal **directional drilling** (HDD) also known as **directional boring**, and **pipe jacking**.

Choosing the proper method requires considering soil characteristics at the site, the size of the sewer to be installed, the material of the pipe, and constraints for the pipe slope (if it is a gravity system). Soil with boulders or cobbles, or a high water table could affect what technologies can be used. Surface loads above the alignment and entrance and receiving pit sizes and locations can also affect whether a technology can be used.

## TRENCHLESS TECHNOLOGY – REHABILITATION

Some common construction methods for trenchless rehabilitation of old sewer pipes include **sliplining**, **pipe bursting**, and **cured-in-place pipe** (CIPP).

Factors that impact an engineer's decision as to whether a specific trenchless rehabilitation method is prudent/feasible include: size of the existing and proposed pipe, level of deterioration of the existing pipe, location of the existing pipe, material of the existing pipe, available space for entrance and receiving pits, and desired characteristics of the new pipe.

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