



10-Year Capital Improvement Projects Plan

Prepared by the Infrastructure and Planning Department

July 19, 2023

Capital Improvement Project Name	Current Status	Program	Essential Weight	Essential Score	Essential Weighted Score	Funding Weight	Funding Score	Funding Weighted Score	Strategic Alignment Weight	Strategic Alignment Score	Strategic Alignment Weighted Score	Total
Clean + Green	Construction	Clean and Green	3	3	9	2	3	6	1	1	1	16
Foster Lane Sewer Realignment	Planning	Gravity Sewer	3	3	9	2	3	6	1	1	1	16
Lakeside Force Main Replacement	Closed	ForceMain	3	3	9	2	3	6	1	1	1	16
La Honda Force Main Replacement	Construction	ForceMain	3	3	9	2	3	6	1	1	1	16
Hilltop Green Replacement	Closed	ForceMain	3	3	9	2	3	6	1	1	1	16
CSO Building Seismic Retrofit	Closed	Facilities	3	3	9	2	2	4	1	3	3	16
Force Main Condition Assessment	Design	ForceMain	3	2	6	2	3	6	1	2	2	14
WQRRP Effluent Valve Replacement	Closed	PlantProcess	3	2	6	2	3	6	1	1	1	13
WQRRP Effluent Electrical System Upgrades	Construction	PlantProcess	3	2	6	2	3	6	1	1	1	13
Tara Hills Sewer Replacement	Closed	Gravity Sewer	3	2	6	2	3	6	1	1	1	13
San Pablo Sewer Replacement	Planning	Gravity Sewer	3	2	6	2	3	6	1	1	1	13
Lower San Pablo Sewer Replacement	Planning	Gravity Sewer	3	2	6	2	3	6	1	1	1	13
El Sobrante Sewer Replacement	Planning	Gravity Sewer	3	2	6	2	3	6	1	1	1	13
Secondary sedimentation	Initiation	PlantProcess										
Lift Station SCADA Communication Upgrade	On Hold	Lift Station	3	2	6	2	3	6	1	1	1	13
D'Avila Lift Station Upgrade	Design	LiftStation	3	2	6	2	2	4	1	2	2	12
Tara Hills Lift Station Upgrade	Design	LiftStation	3	2	6	2	2	4	1	2	2	12
La Honda Lift Station Upgrade	Design	LiftStation	3	2	6	2	2	4	1	2	2	12
Carriage Hills Lift Station Upgrade	Design	LiftStation	3	2	6	2	2	4	1	2	2	12
Hilltop and WQRRP Facilities Assessment and Upgrade Project	Initiation	Facilities	3	2	6	2	2	4	1	2	2	12
Gravity Sewer Replacement Program: Unidentified High I&I Pipes	Planning	Gravity Sewer	3	2	6	2	2	4	1	1	1	11
Chesley and Giaramita, Rumrill South of Market Ave, Post Ave, Bush Ave, California Ave, Sutter Ave, 19th Street, Oak Knoll	Closed	Gravity Sewer	3	2	6	2	2	4	1	1	1	11
Outside Lighting Project at Hilltop Office	Closed	Facilities	3	2	6	2	0	0	1	2	2	8
Planning Studies	On Hold	Other	3	2	6	2	0	0	1	0	2	8
La Paloma Odor Mitigation	On Hold	Pipe	3	2	6	2	0	0	1	1	1	7
WQRRP Sea Level Rise Protection	Initiation	PlantProcess	3	1	3	2	0	0	1	3	3	6
RAS Rehabilitation	On Hold	PlantProcess	3	1	3	2	1	2	1	1	1	6
WQRRP New Maintenance Building Facility	On Hold	Facilities	3	0	0	2	1	2	1	2	2	4
Side Streams Monitoring Station near Headworks	On Hold	PlantProcess	3	1	3	2	0	0	1	1	1	4
Environmental Center at WQRRP	On Hold	Facilities	3	0	0	2	0	0	1	0	0	0
Training Facility	On Hold	Facilities	3	0	0	2	0	0	1	0	0	0
Odor Control phase 1	On Hold	PlantProcess	3	0	0	2	0	0	1	0	0	0
Aeration Rehabilitation	On Hold	Plant Process	3	0	0	2	0	0	1	0	0	0

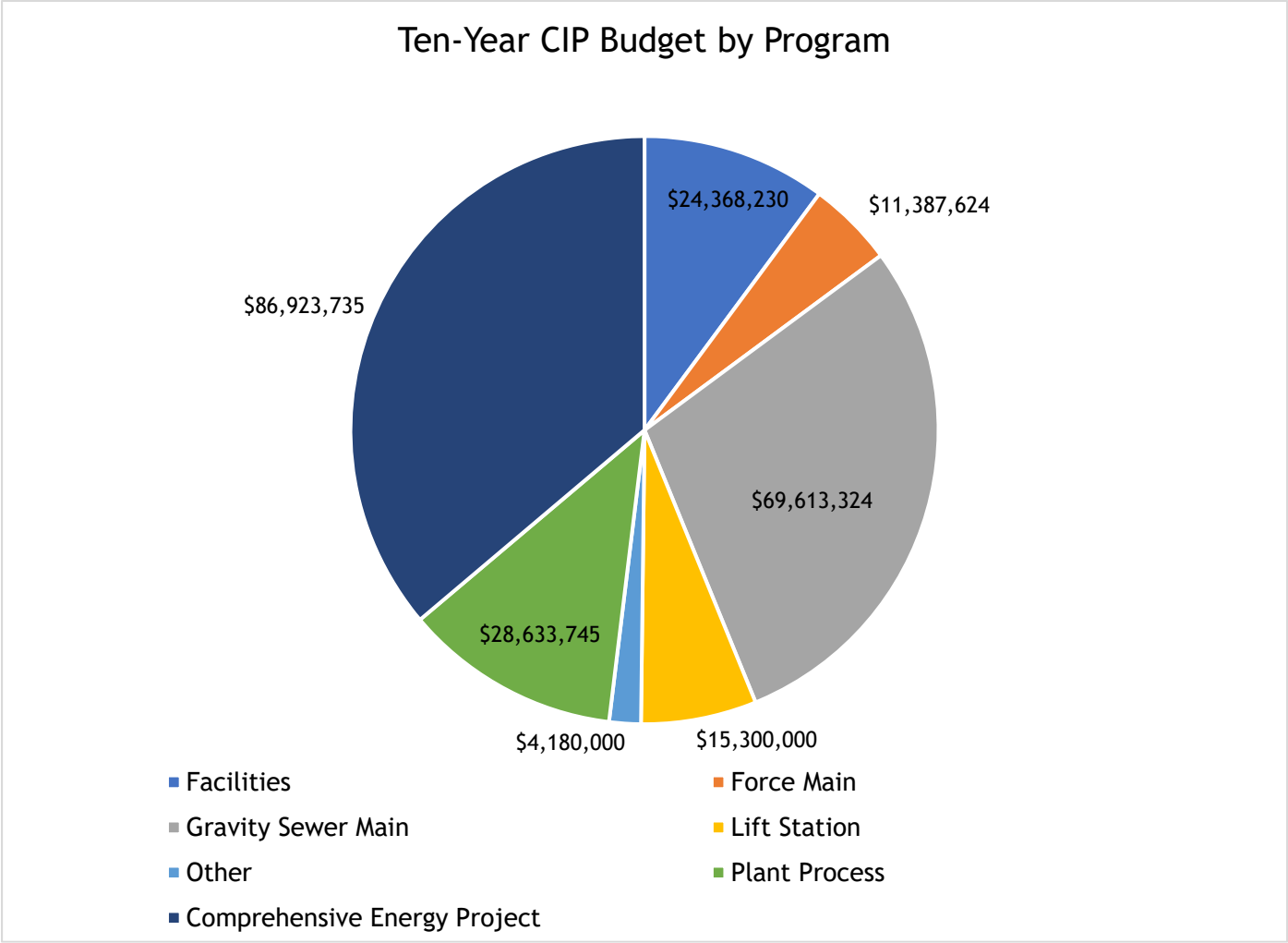
Capital Project Name	Capital Project Description	Prior Years Expenditure	FY24 Budget Expenditure	FY25 Budget Expenditure	FY26-FY31 Planned Expenditure	Project Total Budget Amount
Clean & Green (WCW Comprehensive Energy & Sustainability Upgrade) Project	Design and construct influent pump station, improve grit system, dual gravity belt thickeners, electric blowers, digester construction, sludge dewatering, Cogeneration improvements, thermal sludge drying system, solar generation at WQRRP & lift stations, LED upgrades at Hilltop and WQRRP, electric vehicle charging stations, and expansion of equalization basins	\$ 79,616,514	\$ 6,807,221	\$ -	\$ -	\$ 86,423,735
FACILITIES PROGRAM:						
CSO Building Seismic Retrofit	Design and construction of the seismic retrofit for the CSO building are identified in the seismic study.	\$ 1,006,736	\$ -	\$ -	\$ 6,000,000	\$ 7,006,736
WQRRP Vactor Spoils Dump Site Relocation	Construct a vactor and RV spoils dumping facility within the vicinity of the WQRRP	\$ 224,672	\$ -	\$ -	\$ -	\$ 224,672
Hilltop and WQRRP Facilities Assessment and Upgrade Project	Maintenance repair, and space planning per consultant report recommendations	\$ 2,400	\$ 5,347,600	\$ 2,000,000	\$ -	\$ 7,350,000
Outside Lighting Project at Hilltop Office	Conducting lighting assessment and implement recommendation of light fixtures at the Hilltop Office	\$ 11,493	\$ -	\$ -	\$ -	\$ 11,493
WQRRP New Maintenance Building Facility	Design and construct a new maintenance building facility at WQRRP	\$ 598,835	\$ 151,165	\$ -	\$ 6,250,000	\$ 7,000,000
Environmental Center at WQRRP	Design and construct an environmental learning center at WQRRP	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000
Training Facility	Construct classroom and conference rooms at WQRRP	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000
Sub-Total:		\$ 1,844,136	\$ 5,498,765	\$ 2,000,000	\$ 15,250,000	\$ 24,592,901
FORCE MAIN PROGRAM:						
Lakeside Force Main Replacement	Replace existing 3,188 LF 8" DIP with two new parallel force mains	\$ 1,193,466	\$ -	\$ -	\$ -	\$ 1,193,466
La Honda Force Main Replacement	Replace existing 380 LF 6" DIP with two new parallel PVC force mains	\$ 522,364	\$ 116,967	\$ -	\$ -	\$ 639,331
Hilltop Green Force Main Replacement	Design new 1,744 LF force mains to existing connection and assess secondary force main alignment	\$ 1,554,827	\$ -	\$ -	\$ -	\$ 1,554,827
Force Main Condition Assessment & Replacement	Inspect 13 force mains, 26,200 LF	\$ 1,643,346	\$ 856,654	\$ 500,000	\$ 5,000,000	\$ 8,000,000
Sub-Total:		\$ 4,914,003	\$ 973,621	\$ 500,000	\$ 5,000,000	\$ 11,387,624
GRAVITY SEWER PROGRAM:						
Foster Lane Sewer Realignment	Demolish the Foster Lane lift station and install 360 LF of 8" gravity sewer pipe	\$ 355,681	\$ 1,682,027	\$ 1,000,000	\$ -	\$ 3,037,708
North Richmond, Arlington, Alpine, Standard, Hazel, El Patio, Valley View Sewer Replacement	Replace 15,000 LF of pipe in public streets, easements	\$ 4,420,946	\$ -	\$ -	\$ -	\$ 4,420,946
Sewer Collections System Conditions Assessment	Inspect sewer mains, manholes, and hydro-cleaning of sewer mains	\$ 457,870	\$ -	\$ -	\$ -	\$ 457,870
Tara Hills Sewer Replacement SRF 3.2	Replace 656 LF of gravity sewer lines	\$ 369,103	\$ -	\$ -	\$ -	\$ 369,103
San Pablo Sewer Replacement SRF 3.3	Replace 3,963 LF of gravity sewer lines	\$ 1,146,721	\$ 1,247,527	\$ -	\$ -	\$ 2,394,248
Lower San Pablo Sewer Replacement SRF 3.4	Replace 802 LF of gravity sewer lines	\$ 62,685	\$ 937,315	\$ -	\$ -	\$ 1,000,000

El Sobrante Sewer Replacement SRF 3.6	Replace 4,809 LF of gravity sewer lines	\$ 103,682	\$ 1,646,318	\$ -	\$ -	\$ 1,750,000
Chesley and Giarmita, Rumrill South of Market Ave, Post Ave, Bush Ave, California Ave, Sutter Ave, 19th Street, Oak Knoll	Replace 21,000 LF of gravity sewer lines	\$ 5,719,049	\$ -	\$ -	\$ -	\$ 5,719,049
WQRRP Effluent Pipe Cathodic Protection Upgrade	Conduct a condition assessment and identify necessary upgrades to address deficiencies in the current cathodic protection and design the replacement of various test stations along 36" effluent pipelines	\$ 310,069	\$ 9,931	\$ -	\$ -	\$ 320,000
La Paloma Odor Mitigation	Complete odor and flow study to identify the cause and design engineered solutions to eliminate odors on La Paloma Road	\$ 199,563	\$ 3,100,437	\$ -	\$ 3,700,000	\$ 7,000,000
Gravity Sewer Unidentified Pipes I&I Program	Replace of gravity sewer lines	\$ -	\$ 4,692,062	\$ 5,000,000	\$ 40,000,000	\$ 49,692,062
Sub-Total:		\$ 13,145,369	\$ 13,315,617	\$ 6,000,000	\$ 43,700,000	\$ 76,160,986
LIFT STATION PROGRAM:						
Lakeside, McBryde, Park, Pinole Center and Sobrante Lift Station Upgrades	Perform electrical, mechanical and/or structural upgrades at these lift stations. The generator at Lakeside has been replaced, the generator at Pinole Center will remain in place, and a generator will be added at McBryde, Park, and Sobrante lift stations	\$ 6,255,956	\$ -	\$ -	\$ -	\$ 6,255,956
Lift Station SCADA communication upgrade	Upgrade the SCADA communication system with various existing lift stations to improve operations efficiency	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000
D'Avila Lift Station Upgrade	Perform electrical, mechanical, and/or structural upgrades and install a generator	\$ 156,994	\$ 243,006	\$ -	\$ 2,100,000	\$ 2,500,000
Tara Hills Lift Station Upgrade	Perform electrical, mechanical, and/or structural upgrades and install a generator	\$ 523,958	\$ -	\$ -	\$ 6,226,042	\$ 6,750,000
La Honda Lift Station Upgrade	Perform electrical, mechanical, and/or structural upgrades and install a generator	\$ 142,908	\$ 133,134	\$ -	\$ 2,223,958	\$ 2,500,000
Carriage Hills Lift Station Upgrade	Perform electrical, mechanical, and/or structural upgrades and install a generator	\$ 156,994	\$ 243,006	\$ -	\$ 2,100,000	\$ 2,500,000
Sub-Total:		\$ 7,236,810	\$ 619,146	\$ -	\$ 13,650,000	\$ 21,505,956
OTHER PROGRAM:						
Planning Studies	Master planning and capital project feasibility studies	\$ -	\$ 760,000	\$ 380,000	\$ 3,040,000	\$ 4,180,000
Sub-Total:		\$ -	\$ 760,000	\$ 380,000	\$ 3,040,000	\$ 4,180,000
PLANT PROCESS PROGRAM:						
WQRRP Effluent Valve Replacement	Repair aged, damaged, and leaking valves at the effluent pumping area	\$ 1,037,984	\$ -	\$ -	\$ -	\$ 1,037,984
WQRRP Effluent Electrical System Upgrades	Upgrade, organize, and relocate electrical equipment within the effluent and headworks buildings	\$ 226,823	\$ 773,177	\$ -	\$ 5,200,000	\$ 6,200,000
WQRRP Sea Level Rise Protection	Investigate, design, and construct a horizontal levee at	\$ 575,422	\$ 574,478	\$ -	\$ -	\$ 1,149,900
RAS Rehabilitation	Rehabilitation of mechanical equipment and pumps at the RAS area	\$ -	\$ -	\$ -	\$ 1,187,967	\$ 1,187,967
Side Streams Monitoring Station near Headworks	System at headworks that will detect and measure digester supernatants and filtrates that potentially impact secondary treatment systems and energy consumption	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000

The Infrastructure and Planning Department is responsible for the planning and delivery of all capital improvement projects (CIP) identified in the 10-Year Capital Improvement Projects Plan. The chart below represents the total CIP budget for fiscal years 2024-2033; the individual project summaries contained in this report focus only on fiscal years 2024-2028. There are seven CIP Programs including:

1. **Comprehensive Energy Project Program (Clean & Green)**, which consists of several projects intended to reduce energy consumption and GHG emissions through various upgrades at the Water Quality & Resource Recovery Plant (WQRRP), the Hilltop campus, and several of WCW's lift station sites;
2. **Gravity Sewer Program**, which consists of several projects intended to improve collection system reliability;
3. **Force Main Program**, which consists of several projects intended to improve the pressurized pipes within the overall sewer system through assessment, repair and replacement of all WCW-maintained force mains;
4. **Lift Station Program**, which consists of several projects intended to increase efficiency and reliability of service at WCW-maintained lift stations through electrical, mechanical, and structural upgrades;
5. **Plant Process Program**, which consists of several projects intended to improve the wastewater treatment efficiency at the WQRRP;
6. **Facilities Program**, which consists of several projects intended to improve safety and aesthetics (i.e., noise and seismic upgrades);
7. **Other Program**, which consists of various studies used for planning purposes.

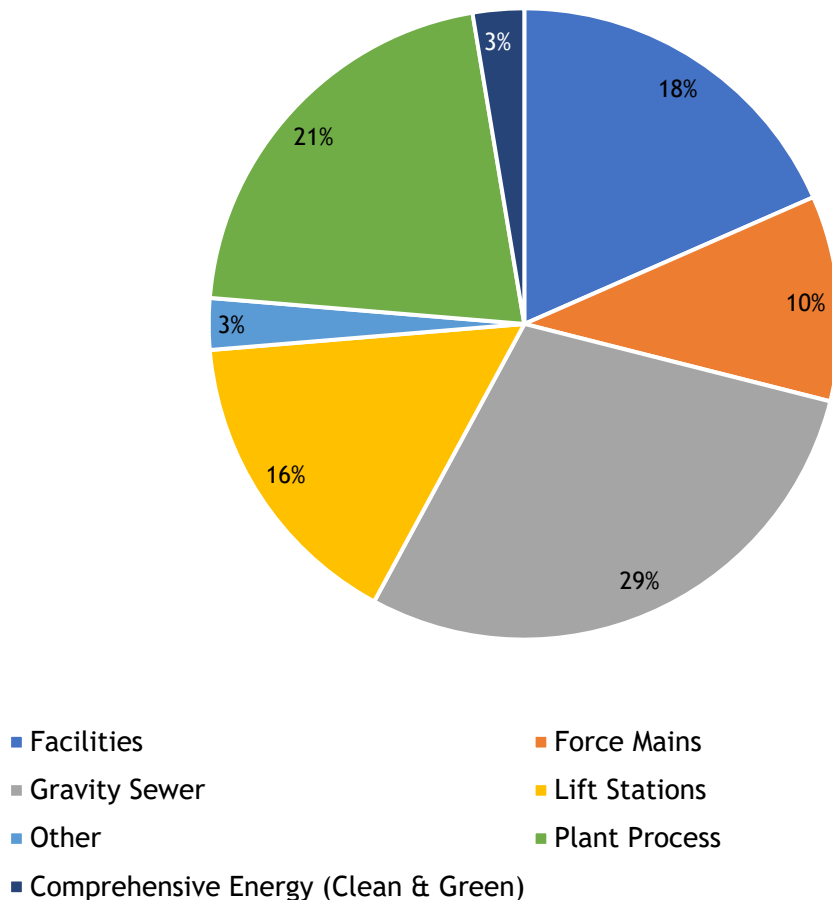
The 10-Year CIP Plan is a living document subject to adjustment. The Plan consists of projections based on current information, including condition and needs assessments as well as regulatory requirements. From the 10-Year CIP Plan, staff develops the 5-Year Expenditure Plan which includes more detailed proposed spending. Staff also brings a Two-Year budget to the Board for adoption. During the presentation of the budget for adoption, staff will make plan adjustments where necessary to accommodate changing operational needs and regulatory requirements.



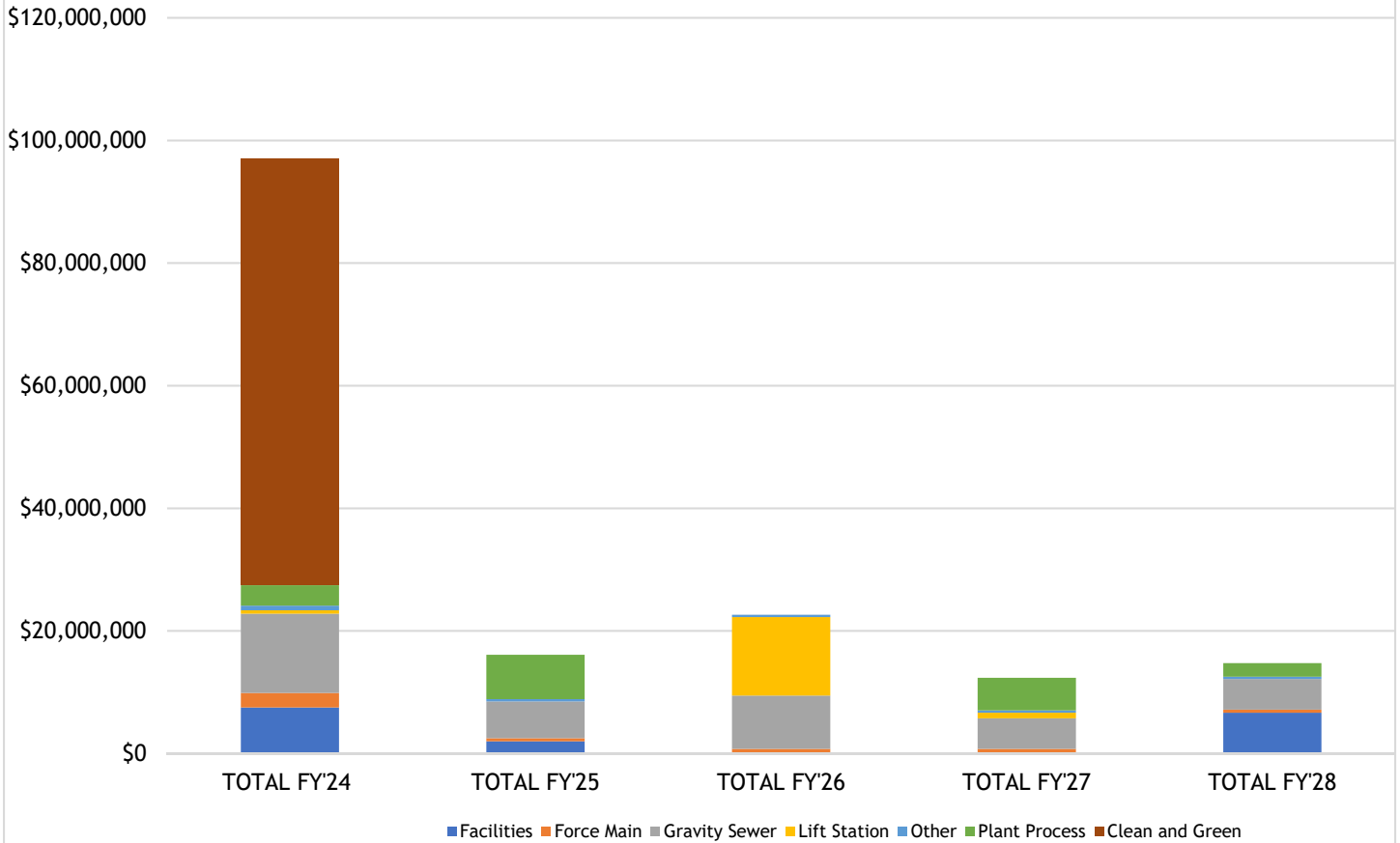
There is a total of 33 projects included in the Ten-Year CIP Plan from FY 24 to FY 33 as shown in the Table and Chart below by Program.

Ten-Year CIP by Program	No. of CIP
Facilities	6
Force Mains	4
Gravity Sewer	8
Lift Station	5
Other	1
Plant Process	8
Clean & Green (Formerly Comprehensive Energy Service Company)	1
Total	33

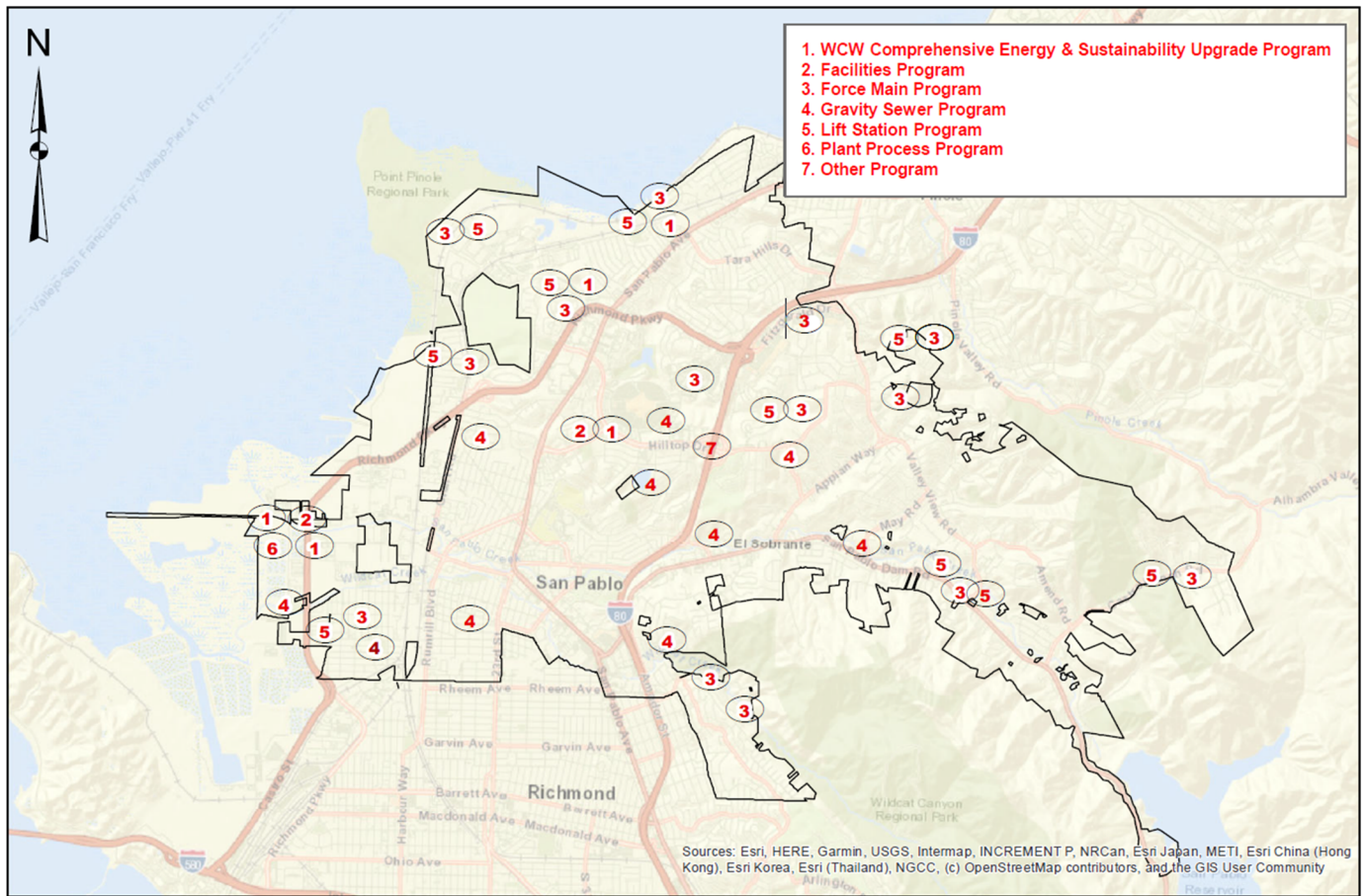
Ten-Year CIP by Program in Percentage




5-Year CIP Budget by Fiscal Year and Program

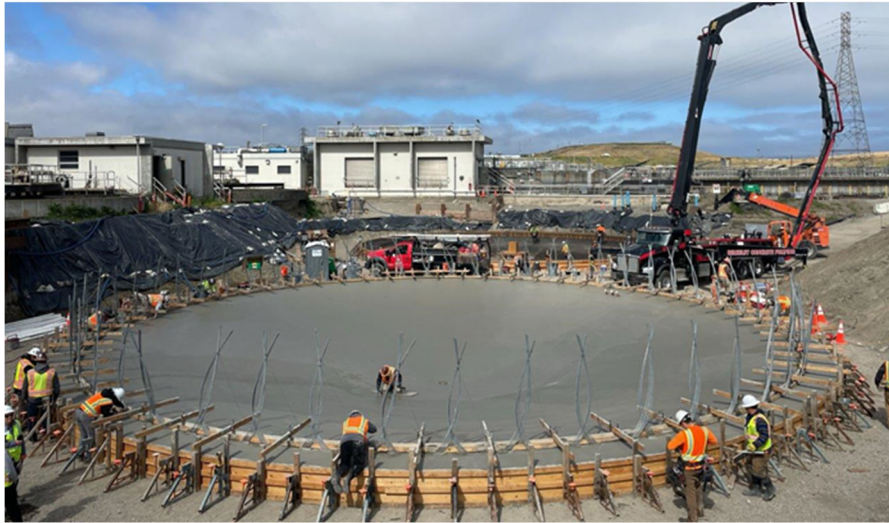


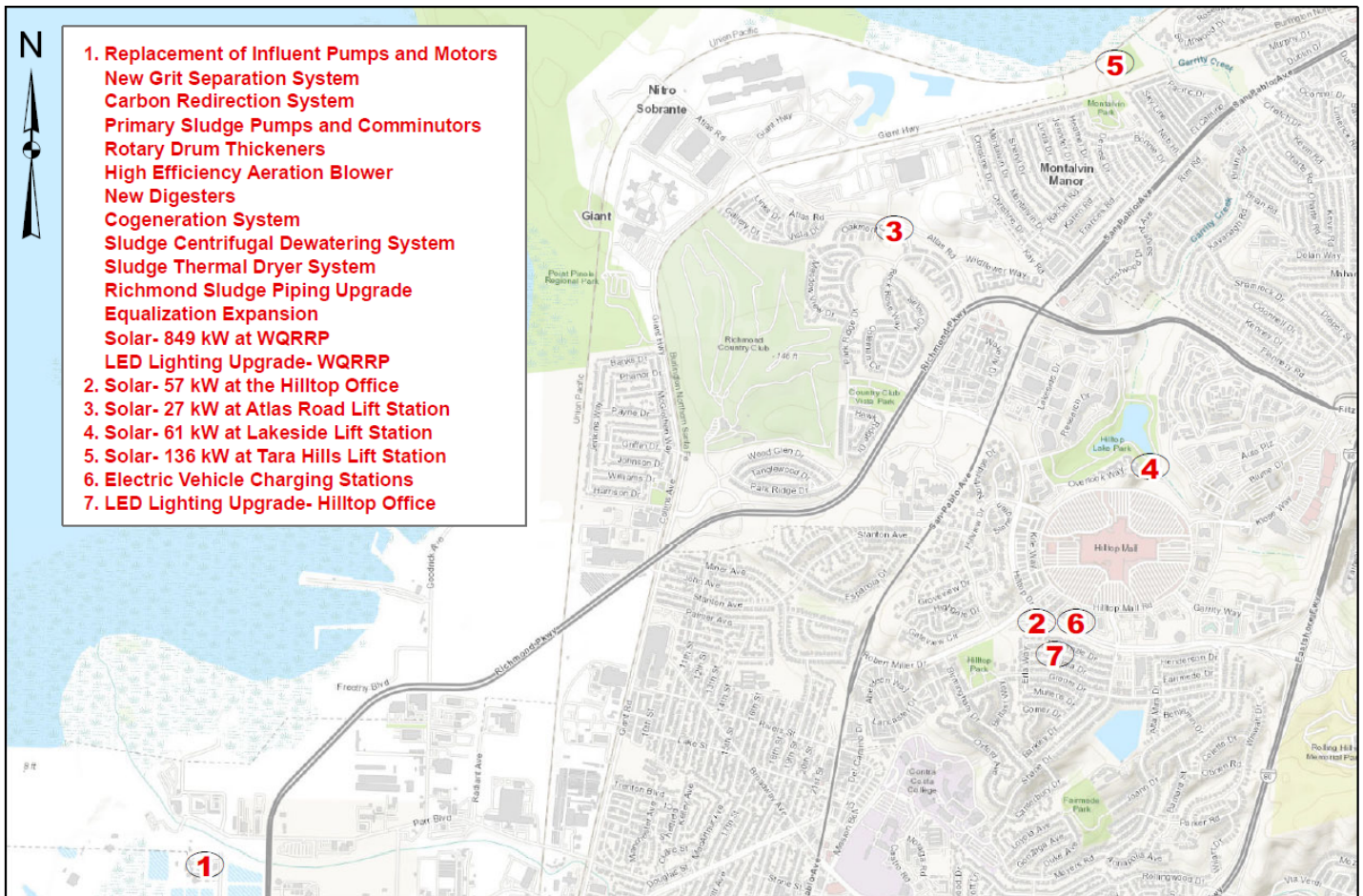
Program	TOTAL FY'24	TOTAL FY'25	TOTAL FY'26	TOTAL FY'27	TOTAL FY'28
Facilities	\$7,498,765	\$2,000,000	\$0	\$0	\$6,650,000
Force Main	\$2,374,152	\$500,000	\$750,000	\$750,000	\$500,000
Gravity Sewer	\$12,929,825	\$6,000,000	\$8,700,000	\$5,000,000	\$5,000,000
Lift Station	\$548,360	\$0	\$12,800,000	\$900,000	\$0
Other	\$760,000	\$380,000	\$380,000	\$380,000	\$380,000
Plant Process	\$3,343,419	\$7,233,693	\$0	\$5,318,797	\$2,204,202
Clean & Green (Comprehensive Energy)	\$69,541,559	\$0	\$0	\$0	\$0
TOTAL:	\$96,996,080	\$16,113,693	\$22,630,000	\$12,348,797	\$14,734,202




DRAWN BY: ARMONDO H.	WEST COUNTY WASTEWATER	
SCALE: Not to scale	FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS ALL PROGRAMS	

Clean & Green (Comprehensive Energy and Sustainability Upgrade) Project





UPDATED BY: MOHAMMAD G	WEST COUNTY WASTEWATER	 WEST COUNTY WASTEWATER
SCALE: Not to scale	FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS WCW CLEAN & GREEN COMPREHENSIVE ENERGY & SUSTAINABILITY UPGRADE PROJECT	

Project Name: Clean & Green (WCW Comprehensive Energy & Sustainability Upgrade) Project

Priority Score: 16

Project Scope: Design and construct influent pump upgrades, improve grit system, dual gravity belt thickeners, electric blowers, digester construction, sludge dewatering, cogeneration improvements, thermal sludge drying system, solar generation at WQRRP & lift stations, LED upgrades at Hilltop and WQRRP, electric vehicle charging stations, and expansion of equalization basins.

Project Justification: Reduce energy consumption and GHG emissions, improve operational safety and efficiency, and improve the quality and reuse of the biosolids produced at the WQRRP.

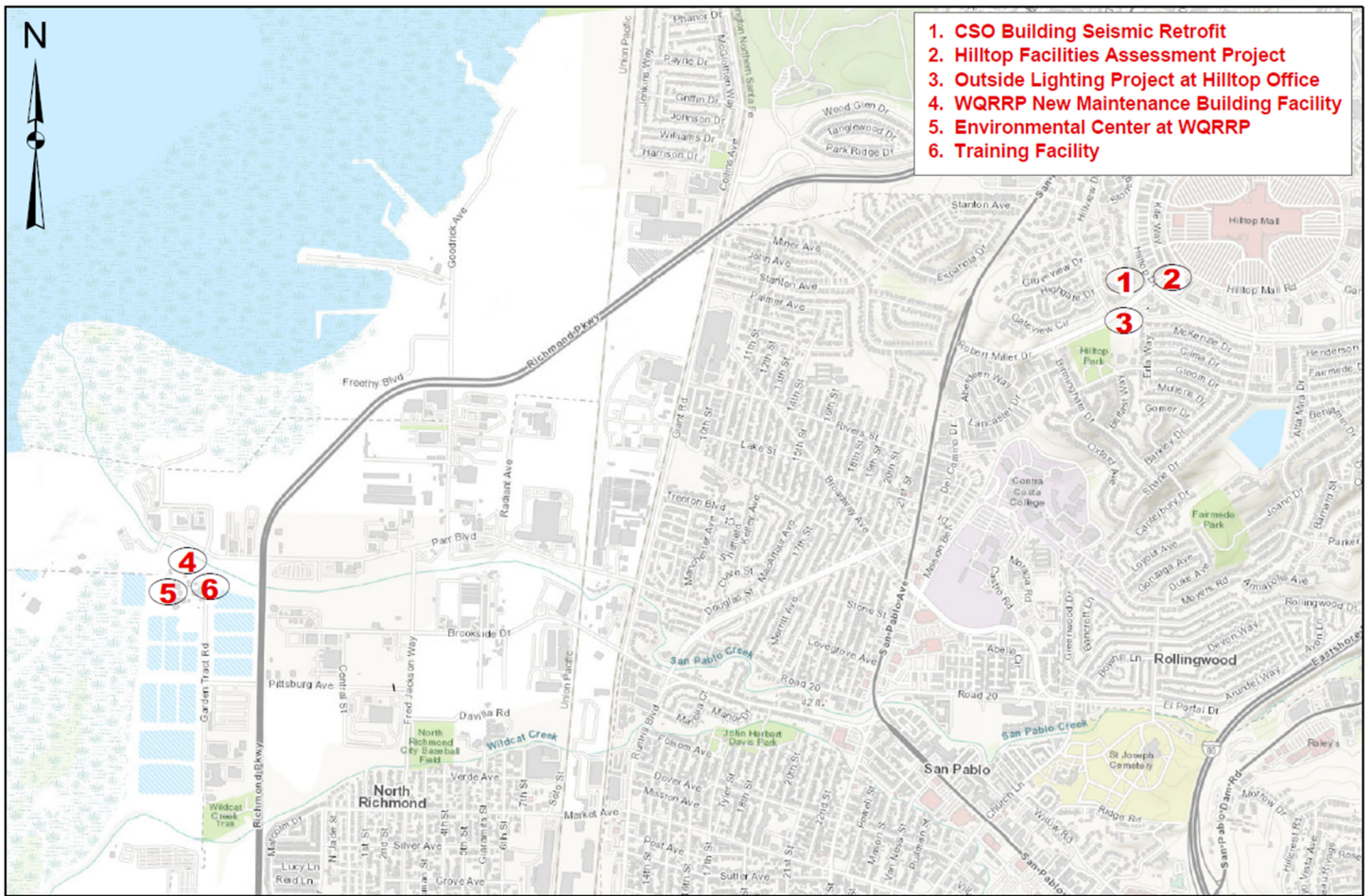
Project Manager: Keith Reynolds


Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 86,923,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,923,735
Bond	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 86,923,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,923,735

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 2,574,106	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 4,574,106
Construction	\$ 12,413,087	\$ 57,586,916	\$ -	\$ -	\$ -	\$ -	\$ 70,000,003
Contingency	\$ 2,394,983	\$ 9,954,643	\$ -	\$ -	\$ -	\$ -	\$ 12,349,626
Total Expenditures	\$ 17,382,176	\$ 69,541,559	\$ -	\$ -	\$ -	\$ -	\$ 86,923,735

Facilities Program





<p>UPDATED BY: ARMONDO H.</p>	<p>WEST COUNTY WASTEWATER</p>	 <p>WEST COUNTY WASTEWATER</p>
<p>SCALE: Not to scale</p>	<p>FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS FACILITIES PROGRAM</p>	

Project Name: CSO Building Seismic Retrofit

Priority Score: 16

Project Scope: Design and construction of the seismic retrofit of the CSO building as identified in the seismic study completed previously. Construction of the new CSO building is on hold.

Project Justification: Ensure seismic safety of the CSO building at Hilltop Office to provide a safe facility for WCW staff.

Project Manager: Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,006,736	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 7,006,736
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,006,736	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 7,006,736

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 305,707	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 1,805,707
Construction	\$ 639,412	\$ -	\$ -	\$ -	\$ -	\$ 3,900,000	\$ 4,539,412
Contingency	\$ 61,617	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 661,617
Total Expenditures	\$ 1,006,736	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 7,006,736

Project Name: Hilltop Green Force Main Replacement

Priority Score: 12

Project Scope: Maintenance, repair, and space planning per consultant report recommendations.

Project Justification: Update and maintain areas to provide a clean, professional and safe work environment for WCW staff.

Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 7,350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,350,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 7,350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,350,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ 1,837,500	\$ -	\$ -	\$ -	\$ -	\$ 1,837,500
Construction	\$ 2,400	\$ 2,775,100	\$ 1,265,000	\$ -	\$ -	\$ -	\$ 4,042,500
Contingency	\$ -	\$ 735,000	\$ 735,000	\$ -	\$ -	\$ -	\$ 1,470,000
Total Expenditures	\$ 2,400	\$ 5,347,600	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 7,350,000

Project Name: Outside Lighting Project at Hilltop Office

Priority Score: 8

Project Scope: Conduct lighting assessment and implement recommendation of light fixtures at the Hilltop Office.

Project Justification: To support safe working condition for staff, customers, vendors, and visitors at the Hilltop Office.

Project Manager: Angela Andrews

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 11,494	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,494
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 11,494	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,494

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 11,494	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,494
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 11,494	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,494

Project Name: WQRRP New Maintenance Building Facility

Priority Score: 4

Project Scope: Design and construct a new building for the Maintenance Division.

Project Justification: Update and maintain areas to provide a clean, professional and safe work environment for WCW staff.

Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ 1,400,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ 1,400,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 598,835	\$ 151,165	\$ -	\$ -	\$ -	\$ 16,250	\$ 766,250
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 601,250	\$ 601,250
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,500	\$ 32,500
Total Expenditures	\$ 598,835	\$ 151,165	\$ -	\$ -	\$ -	\$ 650,000	\$ 1,400,000

Project Name: Environmental Center at WQRRP

Priority Score: 0

Project Scope: Design and construct a new Environmental Center at WQRRP.

Project Justification: Construct a facility for the public to learn about energy conservation efforts and wastewater treatment processes at WQRRP.

Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Name: Training Facility

Priority Score: 0

Project Scope: Design and construct a new Training Facility building at WQRRP

Project Justification: Increase the facilities for training of employees and visitors at WQRRP.

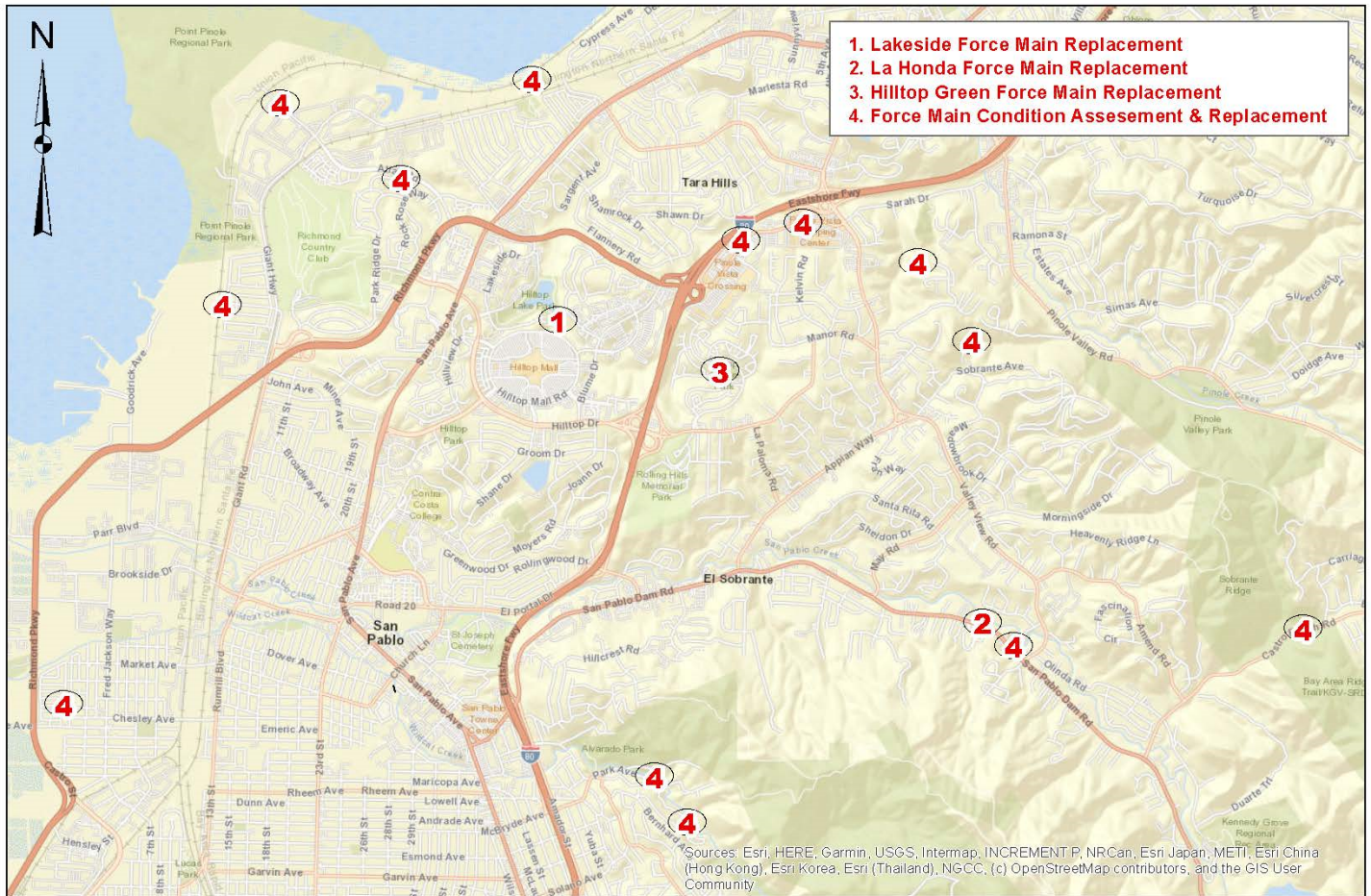
Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Force Main Program





DRAWN BY: MEHRETEAB W.	WEST COUNTY WASTEWATER	
SCALE: Not to scale	FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS FORCE MAIN PROGRAM	

Project Name: La Honda Force Main Replacement

Priority Score: 16

Project Scope: Replace existing 180 LF 6" DIP force mains with two new parallel PVC force mains.

Project Justification: Improve reliability of the collection system; reduce inflow and infiltration as well as the risk of failure of critical infrastructure.

Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 639,331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 639,331
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 639,331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 639,331

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 165,095	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,095
Construction	\$ -	\$ 410,303	\$ -	\$ -	\$ -	\$ -	\$ 410,303
Contingency	\$ -	\$ 63,933	\$ -	\$ -	\$ -	\$ -	\$ 63,933
Total Expenditures	\$ 165,095	\$ 474,236	\$ -	\$ -	\$ -	\$ -	\$ 639,331

Project Name: Lakeside Force Main Replacement

Priority Score: 16

Project Scope: Replace existing 1,578 LF 8" DIP with two new parallel force mains.

Project Justification: Improve reliability of the collection system; reduce inflow and infiltration as well as the risk of failure of critical infrastructure.

Project Manager: Ken Deibert

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,193,466	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,193,466
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,193,466	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,193,466

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 298,367	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 298,367
Construction	\$ 895,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 895,100
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 1,193,466	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,193,466

Project Name: Hilltop Green Force Main Replacement

Priority Score: 16

Project Scope: Design and construct new 1,000 LF force mains to existing connection.

Project Justification: Improve reliability of the collection system; reduce inflow and infiltration, as well as the risk of failure of critical infrastructure.

Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,554,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,554,827
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,554,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,554,827

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 327,979		\$ -	\$ -	\$ -	\$ -	\$ 327,979
Construction	\$ 983,938	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 983,938
Contingency	\$ 242,910	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 242,910
Total Expenditures	\$ 1,554,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,554,827

Project Name: Force Main Condition Assessment & Replacement

Priority Score: 14

Project Scope: Inspection of up to 13 force mains, 26,200 LF

Project Justification: Improve reliability of the collection system, reduce inflow and infiltration, and minimize risk of failure of critical infrastructure.

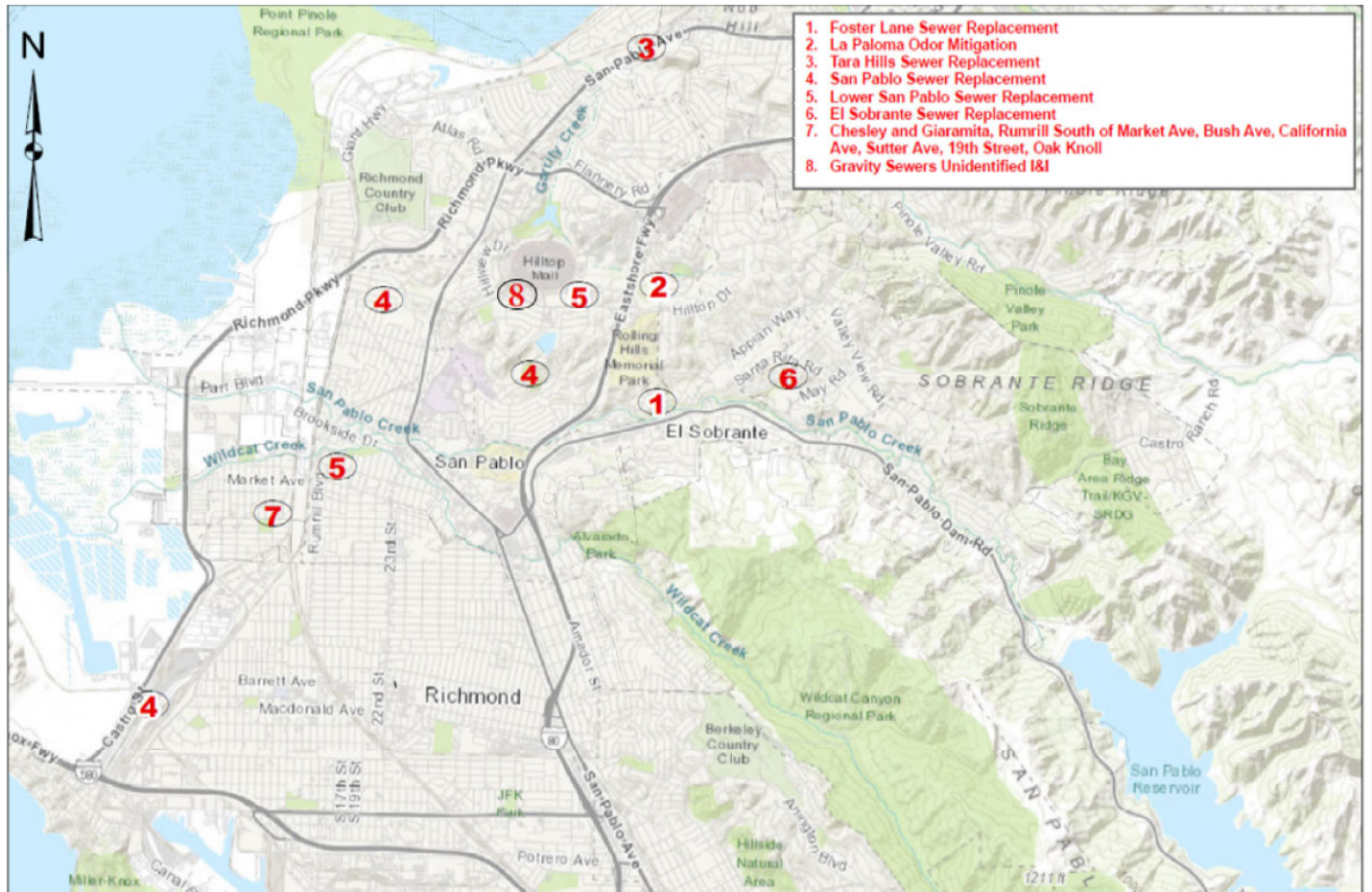
Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 2,500,000	\$ -	\$ 500,000	\$ 750,000	\$ 750,000	\$ 500,000	\$ 5,000,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 2,500,000	\$ -	\$ 500,000	\$ 750,000	\$ 750,000	\$ 500,000	\$ 5,000,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 664,369		\$ 125,000	\$ 187,500	\$ 187,500	\$ 125,000	\$ 1,289,369
Construction	\$ -	\$ 1,835,631	\$ 325,000	\$ 487,500	\$ 487,500	\$ 325,000	\$ 3,460,631
Contingency	\$ -	\$ -	\$ 50,000	\$ 75,000	\$ 75,000	\$ 50,000	\$ 250,000
Total Expenditures	\$ 664,369	\$ 1,835,631	\$ 500,000	\$ 750,000	\$ 750,000	\$ 500,000	\$ 5,000,000

Gravity Sewer Program





UPDATED BY: ARMONDO H.

SCALE: Not to scale

WEST COUNTY WASTEWATER **FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS** **GRAVITY SEWER PROGRAM**



Project Name: Foster Lane Sewer Realignment

Priority Score: 16

Project Scope: Demolish the Foster Lane lift station and install 360 LF of 8-inch gravity sewer pipe

Project Justification: Required in order to address odor issues in the surrounding community by abandoning a temporary lift station that has been in service for approximately 30 years.

Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 2,037,708	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$3,037,708
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 2,037,708	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$3,037,708

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 355,681	\$ 205,083	\$ -	\$ -	\$ -	\$ -	\$ 560,764
Construction	\$ -	\$ 1,476,944	\$ 392,458	\$ -	\$ -	\$ -	\$1,869,402
Contingency	\$ -	\$ -	\$ 607,542	\$ -	\$ -	\$ -	\$ 607,542
Total Expenditures	\$ 355,681	\$ 1,682,027	\$ 1,000,000	\$ -	\$ -	\$ -	\$3,037,708

Project Name: Tara Hills Lift Station Upgrade

Priority Score: 13

Project Scope: Replacement of up to 656 feet of gravity line sewers.

Project Justification: Improve condition and reliability of collection systems and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

Project Manager: Angela Andrews

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 368,476	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 368,476
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 368,476	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 368,476

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 92,119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 92,119
Construction	\$ 276,357	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 276,357
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 368,476	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 368,476

Project Name: San Pablo Sewer Replacement

Priority Score: 13

Project Scope: Replacement of up to 4,465 feet of gravity line sewers.

Project Justification: Improve condition and reliability of collection systems and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 2,394,248	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,394,248
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 2,394,248	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,394,248

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 173,455	\$ 119,712	\$ -	\$ -	\$ -	\$ -	\$ 293,167
Construction	\$ -	\$ 1,861,656	\$ -	\$ -	\$ -	\$ -	\$ 1,861,656
Contingency	\$ -	\$ 239,425	\$ -	\$ -	\$ -	\$ -	\$ 239,425
Total Expenditures	\$ 173,455	\$ 2,220,793	\$ -	\$ -	\$ -	\$ -	\$ 2,394,248

Project Name: Lower San Pablo Sewer Replacement

Priority Score: 13

Project Scope: Replacement of up to 5,138 feet of gravity line sewers

Project Justification: Improve condition and reliability of collection systems and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

Project Manager: Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 63,593	\$ 186,407	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Construction	\$ -	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ 650,000
Contingency	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Total Expenditures	\$ 63,593	\$ 936,407	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

Project Name: El Sobrante Sewer Replacement

Priority Score: 13

Project Scope: Replacement of up to 5,122 feet of gravity line sewers.

Project Justification: Improve condition and reliability of collection systems and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

Project Manager: Keith Reynolds/Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 103,682	\$ 333,818	\$ -	\$ -	\$ -	\$ -	\$ 437,500
Construction	\$ -	\$ 1,137,500	\$ -	\$ -	\$ -	\$ -	\$ 1,137,500
Contingency	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ 175,000
Total Expenditures	\$ 103,682	\$ 1,646,318	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000

Project Name: Chesley and Giaramita, Rumrill South of Market Ave, Post Ave, Bush Ave, California Ave, Sutter Ave, 19th Street, Oak Knoll

Priority Score: 11

Project Scope: Replacement of approximatel 21,000 feet of pipe in public streets as well as easements.

Project Justification: Improve condition and reliability of collection system and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

Project Manager: Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 5,719,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,719,049
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 5,719,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,719,049

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 1,429,762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,429,762
Construction	\$ 4,289,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,289,287
Contingency		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 5,719,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,719,049

Project Name: Gravity Sewer Replacement Program: Unidentified High I&I Pipes

Priority Score: 11

Project Scope: Replacement of pipe in public streets as well as easements.

Project Justification: Improve condition and reliability of collection system and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

Project Manager: Angela Andrews

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 3,343,843	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 23,343,843
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 3,343,843	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 23,343,843

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ 3,343,843	\$ 233,438	\$ 233,438	\$ 233,438	\$ 233,438	\$ 4,277,595
Construction	\$ -	\$ -	\$ 3,599,370	\$ 3,599,370	\$ 3,599,370	\$ 3,599,370	\$ 14,397,480
Contingency	\$ -	\$ -	\$ 1,167,192	\$ 1,167,192	\$ 1,167,192	\$ 1,167,192	\$ 4,668,768
Total Expenditures	\$ -	\$ 3,343,843	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 23,343,843

Project Name: La Paloma Odor Mitigation

Priority Score: 7

Project Scope: Complete odor and flow study to identify the cause and design engineered solutions to eliminate odors. Assess, design, and construct secondary force main alignment.

Project Justification: Identify the cause of and eliminate any and all odors in the community around La Paloma Rd. that are a result of WCW infrastructure, thus providing a reduction in the impact to the community.

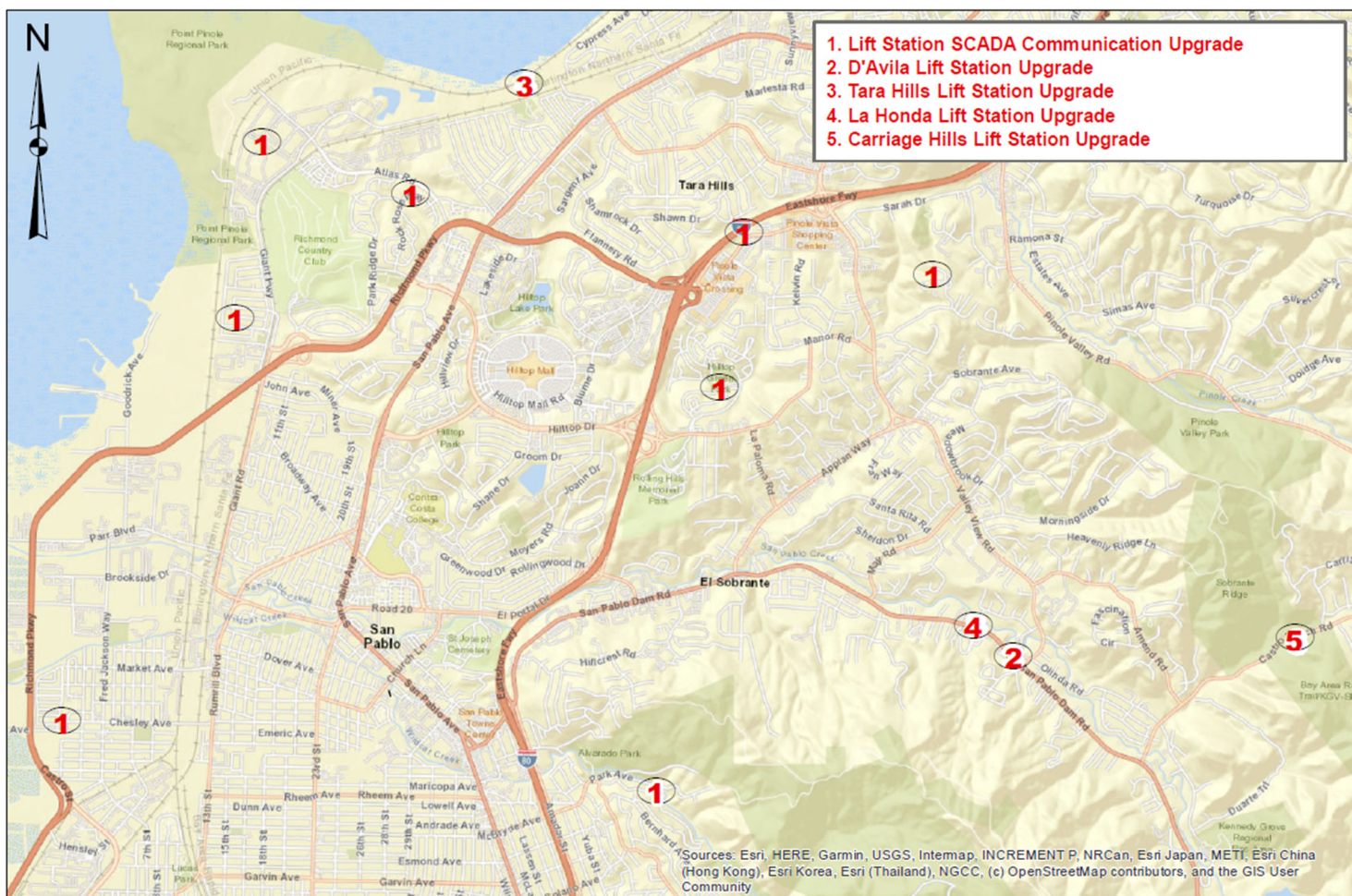
Project Manager: Will Silver


Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 3,300,000	\$ -	\$ -	\$ 3,700,000	\$ -	\$ -	\$ 7,000,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 3,300,000	\$ -	\$ -	\$ 3,700,000	\$ -	\$ -	\$ 7,000,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 199,563	\$ 1,550,437	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000
Construction	\$ -	\$ 1,550,000	\$ -	\$ 2,960,000	\$ -	\$ -	\$ 4,510,000
Contingency	\$ -	\$ -	\$ -	\$ 740,000	\$ -	\$ -	\$ 740,000
Total Expenditures	\$ 199,563	\$ 3,100,437	\$ -	\$ 3,700,000	\$ -	\$ -	\$ 7,000,000

Lift Station Program





DRAWN BY: ARMONDO H.	WEST COUNTY WASTEWATER	
SCALE: Not to scale	FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS LIFT STATION PROGRAM	

Project Name: Lift Station SCADA communication upgrade

Project Number: 13

Priority Score: To upgrade the SCADA communication system with the various existing lift stations to improve operations efficiency.

Project Justification: SCADA communication upgrades will allow for notifications to WQRRP Maintenance and Operations staff to address maintenance therefore increase the reliability of lift stations to reduce risks of emergencies.

Project Manager: Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ 100,000	\$ 900,000	\$ -	\$ 1,000,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ 100,000	\$ 900,000	\$ -	\$ 1,000,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ 100,000	\$ 150,000	\$ -	\$ 250,000
Construction	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ 650,000
Contingency	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000
Total Expenditures	\$ -	\$ -	\$ -	\$ 100,000	\$ 900,000	\$ -	\$ 1,000,000

Project Name: D'Avila Lift Station Upgrade

Priority Score: 12

Project Scope: Electrical, mechanical and/or structural upgrades will be performed at the D'Avila lift station. A generator will be installed at this location.

Project Justification: Improve functionality and reliability of the lift station to reduce negative impacts to service and risks of emergency failures of equipment and infrastructure.

Project Manager: Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 400,000	\$ -	\$ -	\$ 2,100,000	\$ -	\$ -	\$ 2,500,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 400,000	\$ -	\$ -	\$ 2,100,000	\$ -	\$ -	\$ 2,500,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 160,095	\$ 239,905	\$ -	\$ 210,000	\$ -	\$ -	\$ 610,000
Construction	\$ -	\$ -	\$ -	\$ 1,765,000	\$ -	\$ -	\$ 1,765,000
Contingency	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ 125,000
Total Expenditures	\$ 160,095	\$ 239,905	\$ -	\$ 2,100,000	\$ -	\$ -	\$ 2,500,000

Project Name: Tara Hills Lift Station Upgrade

Priority Score: 12

Project Scope: Electrical, mechanical and/or structural upgrades will be performed at the Tara Hills lift station. The existing generator will remain in place.

Project Justification: Improve functionality and reliability of the lift station to reduce negative impacts to service and risks of emergency failures of equipment and infrastructure.

Project Manager: Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 563,554	\$ -	\$ -	\$ 6,236,446	\$ -	\$ -	\$ 6,800,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 563,554	\$ -	\$ -	\$ 6,236,446	\$ -	\$ -	\$ 6,800,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 563,554	\$ -	\$ -	\$ 796,446	\$ -	\$ -	\$ 1,360,000
Construction	\$ -	\$ -	\$ -	\$ 4,080,000	\$ -	\$ -	\$ 4,080,000
Contingency	\$ -	\$ -	\$ -	\$ 1,360,000	\$ -	\$ -	\$ 1,360,000
Total Expenditures	\$ 563,554	\$ -	\$ -	\$ 6,236,446	\$ -	\$ -	\$ 6,800,000

Project Name: La Honda Lift Station Upgrade

Priority Score: 12

Project Scope: Electrical, mechanical and/or structural upgrades will be performed at the La Honda lift station. A generator will be installed at this location.

Project Justification: Improve functionality and reliability of the lift station to reduce negative impacts to service and risks of emergency failures of equipment and infrastructure.

Project Manager: Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 236,446	\$ -	\$ -	\$ 2,263,554	\$ -	\$ -	\$ 2,500,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 236,446	\$ -	\$ -	\$ 2,263,554	\$ -	\$ -	\$ 2,500,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 162,896	\$ 73,550	\$ -	\$ 337,104	\$ -	\$ -	\$ 573,550
Construction	\$ -	\$ -	\$ -	\$ 1,426,450	\$ -	\$ -	\$ 1,426,450
Contingency	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
Total Expenditures	\$ 162,896	\$ 73,550	\$ -	\$ 2,263,554	\$ -	\$ -	\$ 2,500,000

Project Name: Carriage Hills Lift Station Upgrade

Priority Score: 12

Project Scope: Electrical, mechanical and/or structural upgrades will be performed at the Carriage Hills lift station. The existing generator will remain in place.

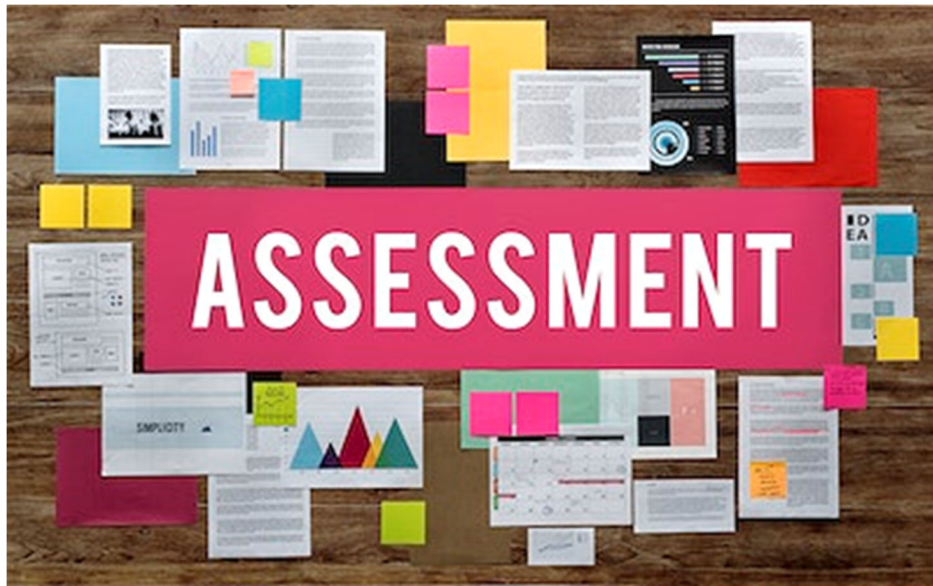
Project Justification: Improve functionality and reliability of the lift station to reduce negative impacts to service and risks of emergency failures of equipment and infrastructure.

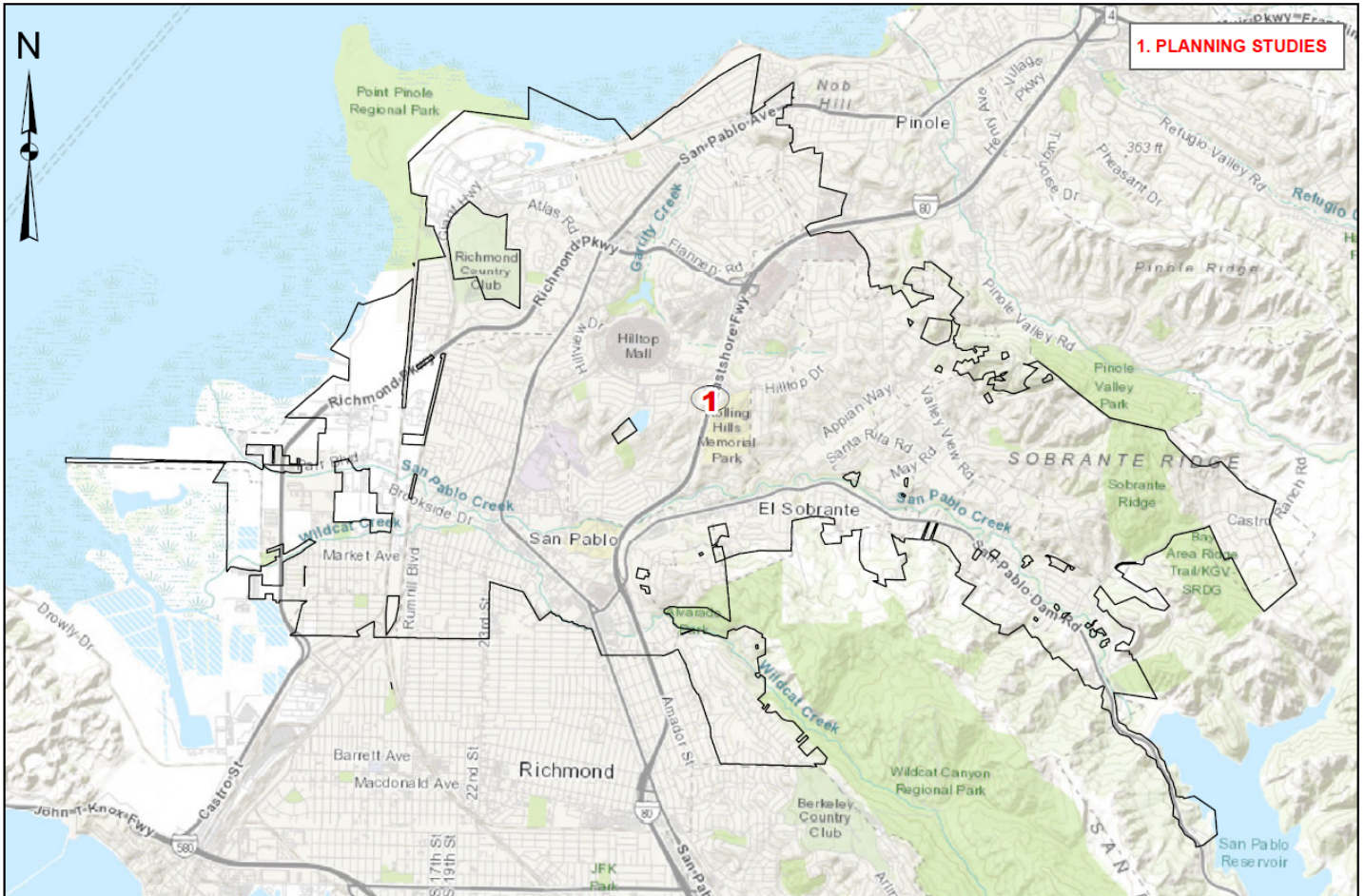
Project Manager: Mohammed Masoud


Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 400,000	\$ -	\$ -	\$ 2,100,000	\$ -	\$ -	\$ 2,500,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 400,000	\$ -	\$ -	\$ 2,100,000	\$ -	\$ -	\$ 2,500,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 165,095	\$ 234,905	\$ -	\$ 250,000	\$ -	\$ -	\$ 650,000
Construction	\$ -	\$ -	\$ -	\$ 1,350,000	\$ -	\$ -	\$ 1,350,000
Contingency	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
Total Expenditures	\$ 165,095	\$ 234,905	\$ -	\$ 2,100,000	\$ -	\$ -	\$ 2,500,000

Other Program





UPDATED BY: MOHAMMAD G	WEST COUNTY WASTEWATER		 WEST COUNTY WASTEWATER
SCALE: Not to scale	FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS OTHER PROGRAM		

Project Name: Planning Studies

Priority Score: 8

Project Scope: Perform master planning and capital project feasibility studies.

Project Justification: The planning studies will help develop individual capital projects.

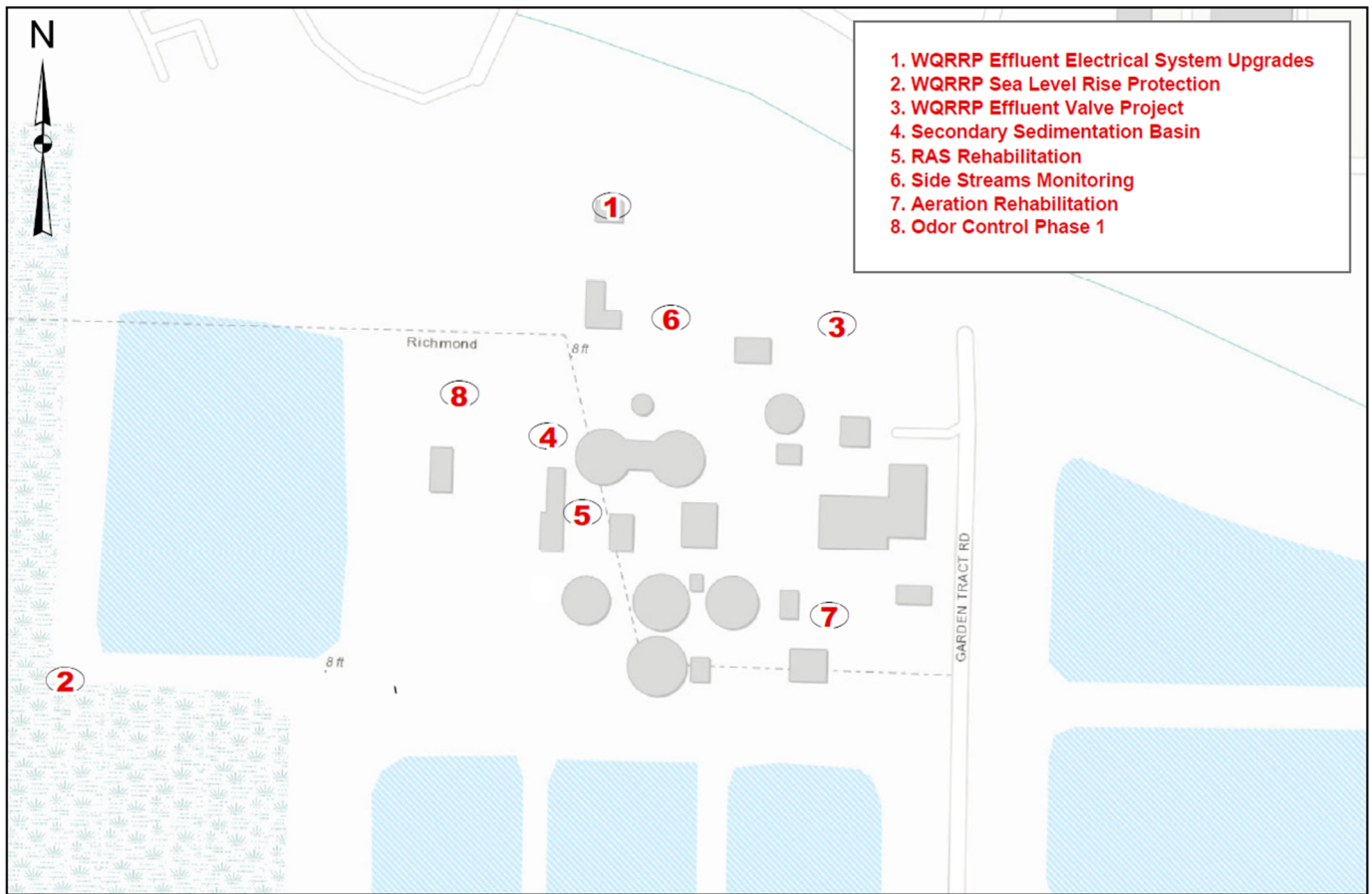
Project Manager: Judy Chen


Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 760,000	\$ -	\$ 380,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 2,280,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 760,000	\$ -	\$ 380,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 2,280,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ 760,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 2,280,000
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ -	\$ 760,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 2,280,000

Plant Process Program





UPDATED BY: MOHAMMAD G	WEST COUNTY WASTEWATER	
SCALE: Not to scale	FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS PLANT PROCESS PROGRAM	

Project Name: WQRRP Effluent Valve Replacement

Priority Score: 13

Project Scope: Repair aged, damaged, and leaking valves at the effluent pumping area.

Project Justification: Increase reliability and efficiency of the effluent structure to improve and increase dependability of plant processes at WQRRP.

Project Manager: Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,065,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,065,487
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,065,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,065,487

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 174,703	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 174,703
Construction	\$ 878,784	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 878,784
Contingency	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,000
Total Expenditures	\$ 1,065,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,065,487

Project Name: Secondary Sedimentation Basin

Priority Score: 13

Project Scope: Complete investigation, design and construction of secondary sedimentation basin at WQRRP

Project Justification: Repairs are needed for the secondary sedimentation basin to prevent overflow at WQRRP.

Project Manager: Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 2,000,000	\$ -	\$ 7,233,693	\$ -	\$ -	\$ -	\$ 9,233,693
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 2,000,000	\$ -	\$ 7,233,693	\$ -	\$ -	\$ -	\$ 9,233,693

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ 2,000,000	\$ 770,108	\$ -	\$ -	\$ -	\$ 2,770,108
Construction	\$ -	\$ -	\$ 4,616,847	\$ -	\$ -	\$ -	\$ 4,616,847
Contingency	\$ -	\$ -	\$ 1,846,739	\$ -	\$ -	\$ -	\$ 1,846,739
Total Expenditures	\$ -	\$ 2,000,000	\$ 7,233,693	\$ -	\$ -	\$ -	\$ 9,233,693

Project Name: WQRRP Effluent Electrical System Upgrades

Priority Score: 13

Project Scope: Upgrade, organize and relocate electrical equipment within the effluent and headworks buildings.

Project Justification: Improve and increase reliability of plant processes and reduce the risk of electrical failures at WQRRP.

Project Manager: Keith Reynolds/Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 5,200,000	\$ -	\$ 6,200,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 5,200,000	\$ -	\$ 6,200,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 231,059	\$ -	\$ -	\$ -	\$ 574,941	\$ -	\$ 806,000
Construction	\$ -	\$ -	\$ -	\$ -	\$ 4,154,000	\$ -	\$ 4,154,000
Contingency	\$ -	\$ -	\$ -	\$ -	\$ 1,240,000	\$ -	\$ 1,240,000
Total Expenditures	\$ 231,059	\$ -	\$ -	\$ -	\$ 5,968,941	\$ -	\$ 6,200,000

Project Name: WQRRP Sea Level Rise Protection

Priority Score: 6

Project Scope: Complete investigation and planning level of design of a horizontal levee at the WQRRP.

Project Justification: This project will support marsh migration, mitigate the impact of rising sea level, create transition-zone habitat, and provide opportunities for community education on the importance of sustaining natural systems.

Project Manager: Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 504,991	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 504,991
Grant	\$ 644,909	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 644,909
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,149,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,149,900

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 575,422	\$ 574,478	\$ -	\$ -	\$ -	\$ -	\$ 1,149,900
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 575,422	\$ 574,478	\$ -	\$ -	\$ -	\$ -	\$ 1,149,900

Project Name: WQRRP Sea Level Rise Protection

Priority Score: 6

Project Scope: Complete investigation and planning level of design of a horizontal levee at the WQRRP.

Project Justification: This project will support marsh migration, mitigate the impact of rising sea level, create transition-zone habitat, and provide opportunities for community education on the importance of sustaining natural systems.

Project Manager: Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 504,991	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 504,991
Grant	\$ 644,909	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 644,909
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,149,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,149,900

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 575,422	\$ 574,478	\$ -	\$ -	\$ -	\$ -	\$ 1,149,900
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 575,422	\$ 574,478	\$ -	\$ -	\$ -	\$ -	\$ 1,149,900

Project Name: Side Streams Monitoring Station

Priority Score: 0

Project Scope: Complete investigation, design and construction of side streams at WQRRP.

Project Justification: This monitoring system at headworks will detect and measure digester supernatants and filtrates that potentially impact secondary treatment systems and energy consumption.

Project Manager: Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,500	\$ 62,500
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,500	\$ 162,500
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000

Project Name: Odor Control Phase 1

Priority Score: 0

Project Scope: Complete investigation, design, and construction of improvements to reduce Odor Control Phase 1 at WQRRP.

Project Justification: Improve processes and reduce odors at the WQRRP.

Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Name: Aeration Rehabilitation

Priority Score: 0

Project Scope: Complete investigation, design and construction of aeration rehabilitation at WQRRP

Project Justification: Repairs are needed for the Aeration Rehabilitation to prevent overflow at WQRRP.

Project Manager: Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 885,032	\$ 885,032
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 885,032	\$ 885,032

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 221,258	\$ 221,258
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 575,271	\$ 575,271
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,503	\$ 88,503
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 885,032	\$ 885,032