



WEST COUNTY  
WASTEWATER

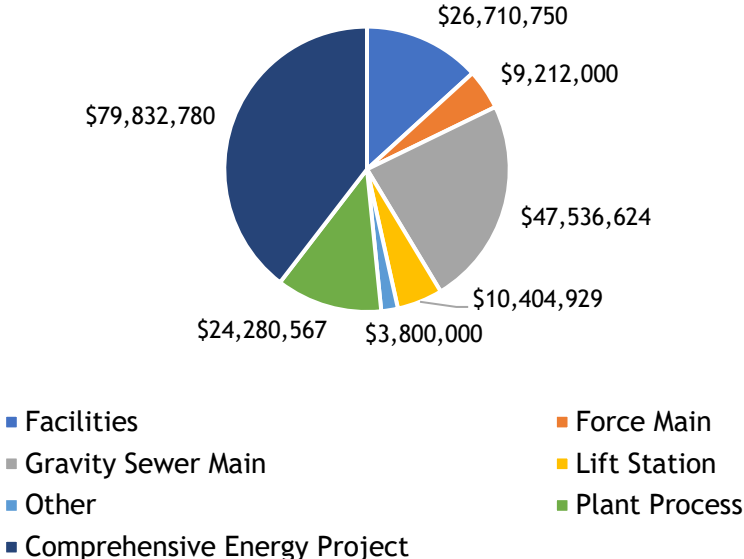
# 10-Year Capital Improvement Projects Plan

Prepared by the Infrastructure and Planning Department

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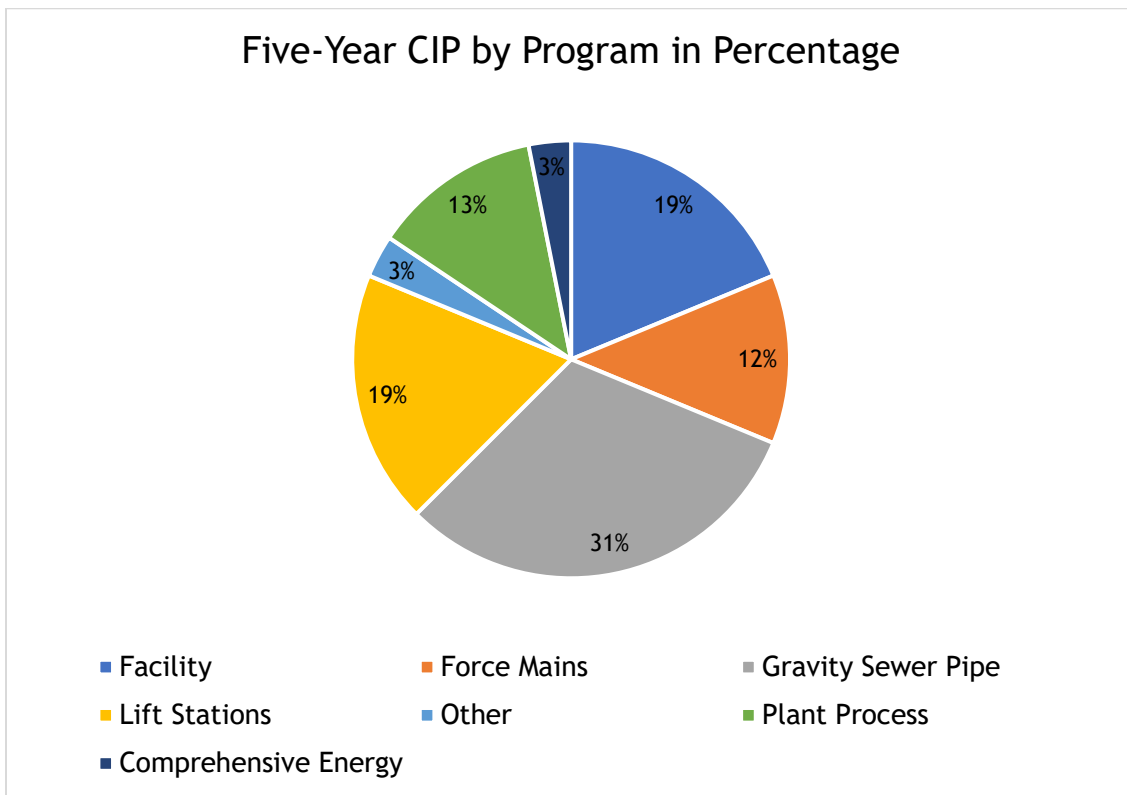
The Infrastructure and Planning Department is responsible for the planning and delivering of all capital improvement projects (CIP) identified in the 10-Year Capital Improvement Projects Plan. The chart below represents the total CIP budget for fiscal years 2022-2031; the individual project summaries contained in this report focus only on fiscal years 2022-2026. There are seven CIP Programs including Comprehensive Energy Project Program, Gravity Sewer Main Program, Force Main Program, Lift Station Program, Plant Process Program, Facility Program, and Other Program.

Total Ten-Year CIP Budget by Program

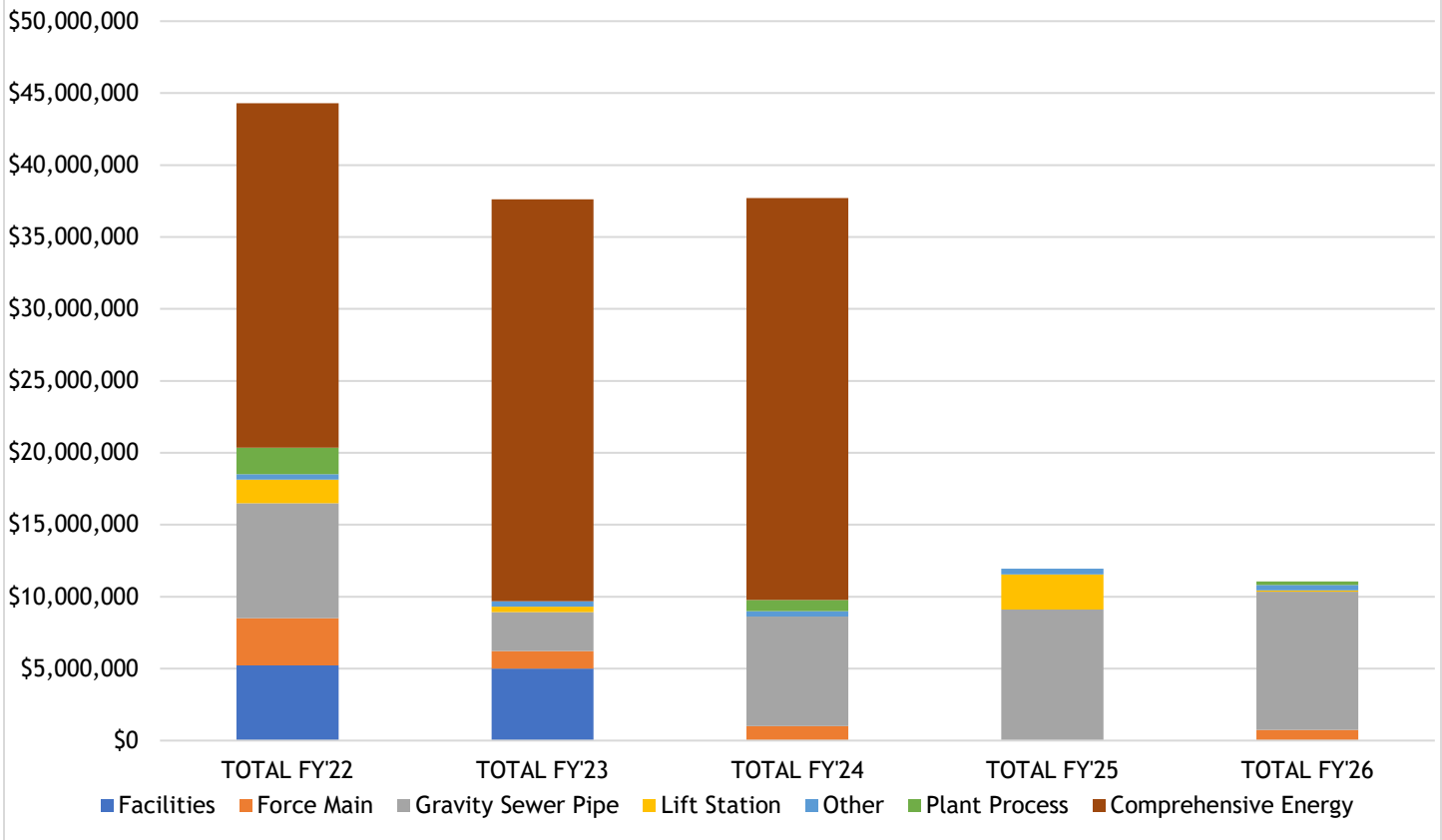


There is a total of 32 projects included in Five-Year CIP Plan from FY 22 to FY 26 as shown in the Table and Chart below by Program.

Five-Year CIP by Program	No. of CIP
Facility	6
Force Mains	4
Gravity Sewer Pipe	10
Lift Station	6
Other	1
Plant Process	4
Comprehensive Energy	1
<b>TOTAL:</b>	<b>32</b>



### Five-Year CIP Budget by Fiscal Year and Program



Program	TOTAL FY'22	TOTAL FY'23	TOTAL FY'24	TOTAL FY'25	TOTAL FY'26
Facilities	\$5,218,776	\$5,000,000	\$0	\$0	\$0
Force Main	\$3,284,269	\$1,212,000	\$1,000,000	\$0	\$750,000
Gravity Sewer Pipe	\$7,985,140	\$2,726,237	\$7,608,911	\$9,100,000	\$9,589,386
Lift Station	\$1,644,232	\$368,689	\$0	\$2,459,311	\$100,000
Other	\$380,000	\$380,000	\$380,000	\$380,000	\$380,000
Plant Process	\$1,841,940	\$0	\$783,775	\$0	\$235,000
Comprehensive Energy	\$23,949,834	\$27,941,473	\$27,941,473	\$0	\$0
<b>TOTAL:</b>	<b>\$44,304,191</b>	<b>\$37,628,399</b>	<b>\$37,714,159</b>	<b>\$11,939,311</b>	<b>\$11,054,386</b>

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# Comprehensive Energy and Sustainability Upgrade



**Project Name:** WCW Comprehensive Energy & Sustainability Upgrade Project

**Priority Score:** 17

**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.

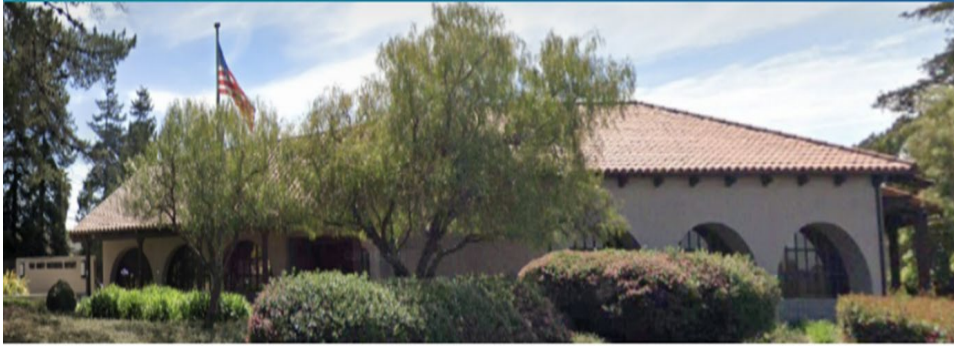
**Project Manager:** Andrew Clough

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 4,400,000						\$ 4,400,000
Bond		\$ 19,549,834	\$ 27,941,473	\$ 27,941,473			\$ 75,432,780
							\$ -
<b>Total Funding Sources</b>	\$ 4,400,000	\$ 19,549,834	\$ 27,941,473	\$ 27,941,473			\$ 79,832,780

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 21,543,718			\$ -	\$ -	\$ 21,543,718
Construction			\$ 25,147,326	\$ 25,147,326	\$ -	\$ -	\$ 50,294,651
Contingency		\$ 2,393,746	\$ 2,794,147	\$ 2,794,147	\$ -	\$ -	\$ 7,982,041
<b>Total Expenditures</b>	\$ 12,370	\$ 23,937,464	\$ 27,941,473	\$ 27,941,473	\$ -	\$ -	\$ 79,832,780



## Facility Program



**Project Name:** CSO Building Seismic Retrofit

**Priority Score:** 16

**Project Scope:** Design for and construction of the seismic retrofit of the CSO building as identified in the seismic study completed previously.

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

**Project Manager:** TBD

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 2,610,750						\$ 2,610,750
							\$ -
							\$ -
<b>Total Funding Sources</b>	<b>\$ 2,610,750</b>						<b>\$ 2,610,750</b>

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 86,941	\$ -	\$ -	\$ -	\$ -	\$ 86,941
Construction		\$ 2,004,706	\$ -	\$ -	\$ -	\$ -	\$ 2,004,706
Contingency		\$ 247,495	\$ -	\$ -	\$ -	\$ -	\$ 247,495
<b>Total Expenditures</b>	<b>\$ 135,804</b>	<b>\$ 2,474,946</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,610,750</b>

**Project Name:** WQRRP Vactor Spoils Dump Site Relocation

**Priority Score:** 14

**Project Scope:** Construct a vactor spoils and RV spoils dumping facility within the vicinity of the WQRRP.

**Project Justification:** Move vactor dump to an interior location to reduce the risk of public exposure to untreated wastewater. Centralize odor-creating spoils to provide more efficient odor control.

**Project Manager:** Angela Andrews

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 500,000						\$ 500,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	<b>\$ 500,000</b>						<b>\$ 500,000</b>

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction		\$ 444,447	\$ -	\$ -	\$ -	\$ -	\$ 444,447
Contingency		\$ 49,383	\$ -	\$ -	\$ -	\$ -	\$ 49,383
<b>Total Expenditures</b>	<b>\$ 6,170</b>	<b>\$ 493,830</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>

**Project Name:** Hilltop and WQRRP Facilities Assessment and Upgrade Project

**Priority Score:** 12

**Project Scope:** Maintenance, repair, and space planning per consultant report recommendations including painting of kitchen and hallway; repair of dry rot in the eaves, pillars and roof.

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

**Project Manager:** Angela Andrews

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate		\$ 2,000,000	\$ 5,000,000				\$ 7,000,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ -	\$ 2,000,000	\$ 5,000,000				\$ 7,000,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Construction		\$ 1,300,000	\$ 4,500,000	\$ -	\$ -	\$ -	\$ 5,800,000
Contingency		\$ 200,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 700,000
<b>Total Expenditures</b>	\$ -	\$ 2,000,000	\$ 5,000,000	\$ -	\$ -	\$ -	\$ 7,000,000

**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 FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate		\$ 250,000					\$ 250,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ -	\$ 250,000					\$ 250,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 62,500	\$ -	\$ -	\$ -	\$ -	\$ 62,500
Construction		\$ 162,500	\$ -	\$ -	\$ -	\$ -	\$ 162,500
Contingency		\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000
<b>Total Expenditures</b>	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000

## Force Main Program



**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 FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 1,200,000		\$ 300,000				\$ 1,500,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ 1,200,000		\$ 300,000				\$ 1,500,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction		\$ 1,012,060	\$ 270,000	\$ -	\$ -	\$ -	\$ 1,282,060
Contingency		\$ 112,451	\$ 30,000	\$ -	\$ -	\$ -	\$ 142,451
<b>Total Expenditures</b>	\$ 75,489	\$ 1,124,511	\$ 300,000	\$ -	\$ -	\$ -	\$ 1,500,000

**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:** Ken Deibert

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 300,000		\$ 12,000				\$ 312,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ 300,000		\$ 12,000				\$ 312,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY-25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction		\$ 225,751	\$ 10,800	\$ -	\$ -	\$ -	\$ 236,551
Contingency		\$ 25,083	\$ 1,200	\$ -	\$ -	\$ -	\$ 26,283
<b>Total Expenditures</b>	\$ 49,166	\$ 250,834	\$ 12,000	\$ -	\$ -	\$ -	\$ 312,000



**Project Name:** Hilltop Green Force Main Replacement

**Priority Score:** 16

**Project Scope:** Design new 1,000 LF force mains to existing connection and assess secondary force main alignment.

**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 FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ -	\$ 1,000,000	\$ 300,000				\$ 1,300,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ -	\$ 1,000,000	\$ 300,000				\$ 1,300,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 227,231	\$ -	\$ -	\$ -	\$ -	\$ 227,231
Construction		\$ 590,801	\$ 270,000	\$ -	\$ -	\$ -	\$ 860,801
Contingency		\$ 90,892	\$ 30,000	\$ -	\$ -	\$ -	\$ 120,892
<b>Total Expenditures</b>	\$ 91,076	\$ 908,924	\$ 300,000	\$ -	\$ -	\$ -	\$ 1,300,000

**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:** Gordon Times

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 1,000,000		\$ 600,000	\$ 1,000,000	\$ -	\$ 750,000	\$ 3,350,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ 1,000,000		\$ 600,000	\$ 1,000,000	\$ -	\$ 750,000	\$ 3,350,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 250,000	\$ 150,000	\$ 250,000	\$ -	\$ 187,500	\$ 837,500
Construction		\$ 650,000	\$ 390,000	\$ 650,000	\$ -	\$ 487,500	\$ 2,177,500
Contingency		\$ 100,000	\$ 60,000	\$ 100,000	\$ -	\$ 75,000	\$ 335,000
<b>Total Expenditures</b>	\$ -	\$ 1,000,000	\$ 600,000	\$ 1,000,000	\$ -	\$ 750,000	\$ 3,350,000

## Gravity Sewer Main 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:** Armondo Hodge/Angela Andrews

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 1,337,708						\$ 1,337,708
							\$ -
							\$ -
<b>Total Funding Sources</b>	<b>\$ 1,337,708</b>						<b>\$ 1,337,708</b>

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 78,821	\$ -	\$ -	\$ -	\$ -	\$ 78,821
Construction		\$ 807,912	\$ 221,683	\$ -	\$ -	\$ -	\$ 1,029,595
Contingency		\$ 98,526	\$ 24,631	\$ -	\$ -	\$ -	\$ 123,157
<b>Total Expenditures</b>	<b>\$ 106,135</b>	<b>\$ 985,258</b>	<b>\$ 246,315</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,337,708</b>

**Project Name:** North Richmond, Arlington, Alpine, Standard, Hazel, El Patio, Valley View Sewer Replacement

**Priority Score:** 14

**Project Scope:** Replacement of 15,000 LF of pipe in public streets, as well as easements, primarily in the North Richmond area.

**Project Justification:** Replace sewer mains to reduce inflow and infiltration and to reduce risk of sanitary overflows and illicit discharges at the WQRRP.

**Project Manager:** Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 4,686,031						\$ 4,686,031
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ 4,686,031						\$ 4,686,031

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction		\$ 2,108,714	\$ -	\$ -	\$ -	\$ -	\$ 2,108,714
Contingency		\$ 234,302	\$ -	\$ -	\$ -	\$ -	\$ 234,302
<b>Total Expenditures</b>	\$ 2,343,016	\$ 2,343,016	\$ -	\$ -	\$ -	\$ -	\$ 4,686,031

**Project Name:** Sewer Collections System Conditions Assessment

**Priority Score:** 13

**Project Scope:** Inspection of sewer mains and manholes, hydro-cleaning of sewer mains, and removal and transportation of collected debris.

**Project Justification:** Assess gravity sewer lines in the collection system to identify necessary repairs to reduce emergency sanitary overflows and inflow and infiltration into the collection system, thus reducing potential for public exposure to untreated wastewater.

**Project Manager:** Gordon Times

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 550,000						\$ 550,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	<b>\$ 550,000</b>						<b>\$ 550,000</b>

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 342,500	\$ -	\$ -	\$ -	\$ -	\$ 342,500
Construction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency		\$ 38,056	\$ -	\$ -	\$ -	\$ -	\$ 38,056
<b>Total Expenditures</b>	<b>\$ 169,445</b>	<b>\$ 380,555</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 550,000</b>

**Project Name:** Tara Hills Sewer Replacement SRF 3.2

**Priority Score:** 13

**Project Scope:** Replacement of up to 4,233 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:** Ken Deibert

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 1,505,214	\$ -	\$ -	\$ 1,000,000	\$ 1,800,000	\$ 1,032,386	\$ 5,337,600
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ 1,505,214	\$ -	\$ -	\$ 1,000,000	\$ 1,800,000	\$ 1,032,386	\$ 5,337,600

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 105,584	\$ -	\$ -	\$ -	\$ -	\$ 105,584
Construction		\$ -	\$ 1,242,312	\$ 900,000	\$ 1,620,000	\$ 929,147	\$ 4,691,459
Contingency		\$ 11,732	\$ 138,035	\$ 100,000	\$ 180,000	\$ 103,239	\$ 533,005
<b>Total Expenditures</b>	\$ 7,552	\$ 117,316	\$ 1,380,346	\$ 1,000,000	\$ 1,800,000	\$ 1,032,386	\$ 5,337,600

**Project Name:** San Pablo Sewer Replacement SRF 3.3

**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:** Ken Deibert

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 750,000			\$ 496,000	\$ 1,000,000	\$ 750,000	\$ 2,996,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ 750,000			\$ 496,000	\$ 1,000,000	\$ 750,000	\$ 2,996,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000
Construction		\$ -	\$ 585,000	\$ 446,400	\$ 900,000	\$ 675,000	\$ 2,606,400
Contingency		\$ 10,000	\$ 65,000	\$ 49,600	\$ 100,000	\$ 75,000	\$ 299,600
<b>Total Expenditures</b>	\$ -	\$ 100,000	\$ 650,000	\$ 496,000	\$ 1,000,000	\$ 750,000	\$ 2,996,000



**Project Name:** Lower San Pablo Sewer Replacement SRF 3.4

**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:** Ken Deibert

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 500,000			\$ 400,000	\$ 800,000	\$ 1,704,000	\$ 3,404,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ 500,000			\$ 400,000	\$ 800,000	\$ 1,704,000	\$ 3,404,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000
Construction		\$ -	\$ 359,618	\$ 360,000	\$ 720,000	\$ 1,533,600	\$ 2,973,218
Contingency		\$ 10,000	\$ 39,958	\$ 40,000	\$ 80,000	\$ 170,400	\$ 340,358
<b>Total Expenditures</b>	\$ 425	\$ 100,000	\$ 399,575	\$ 400,000	\$ 800,000	\$ 1,704,000	\$ 3,404,000

**Project Name:** El Sobrante Sewer Replacement SRF 3.6

**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:** Ken Deibert

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 150,000			\$ 500,000	\$ 500,000	\$ 543,000	\$ 1,693,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ 150,000			\$ 500,000	\$ 500,000	\$ 543,000	\$ 1,693,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000
Construction		\$ -	\$ 45,000.23	\$ 450,000	\$ 450,000	\$ 488,700	\$ 1,433,700
Contingency		\$ 10,000	\$ 5,000	\$ 50,000	\$ 50,000	\$ 54,300	\$ 169,300
<b>Total Expenditures</b>	\$ -	\$ 100,000	\$ 50,000	\$ 500,000	\$ 500,000	\$ 543,000	\$ 1,693,000

**Project Name:** Gravity Sewer Replacement Program: 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 approximately 17,000 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 FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 9,000,000				\$ 5,000,000	\$ 5,000,000	\$19,000,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ 9,000,000				\$ 5,000,000	\$ 5,000,000	\$19,000,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 939,749	\$ -	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 4,689,749
Construction		\$ 2,443,347	\$ -	\$ 3,250,000	\$ 3,250,000	\$ 3,250,000	\$12,193,347
Contingency		\$ 375,900	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 1,875,900
<b>Total Expenditures</b>	\$ 241,005	\$ 3,758,995	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$19,000,000

Priority Score: WQRRP Effluent Pipe Cathodic Protection Upgrade

Priority Score 10

Project Scope: Conduct a conditions assessment and identify necessary upgrades to address deficiencies in the current cathodic protection and design the replacement of various test stations along 36" effluent.

Project Justification: Replace cathodic protection to repair and upgrade failed and aging infrastructure which will improve efficiency and reliability of the protection provided to the effluent transmission line.

Project Manager: Ken Deibert/Aaron Winer

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 232,285						\$ 232,285
							\$ -
							\$ -
<b>Total Funding Sources</b>	<b>\$ 232,285</b>						<b>\$ 232,285</b>

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ -	\$ 53,228	\$ -	\$ -	\$ 53,228
Construction		\$ -	\$ -	\$ 138,392	\$ -	\$ -	\$ 138,392
Contingency		\$ -	\$ -	\$ 21,291	\$ -	\$ -	\$ 21,291
<b>Total Expenditures</b>	<b>\$ 19,374</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 212,911</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 232,285</b>

**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.

**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:** Armondo Hodge

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 3,100,000						\$ 3,100,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ 3,100,000						\$ 3,100,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 90,000	\$ -	\$ -	\$ -	\$ 140,000	\$ 230,000
Construction		\$ -	\$ -	\$ -	\$ -	\$ 364,000	\$ 364,000
Contingency		\$ 10,000	\$ -	\$ -	\$ -	\$ 56,000	\$ 66,000
<b>Total Expenditures</b>	\$ 33,661	\$ 100,000	\$ -	\$ -	\$ -	\$ 560,000	\$ 693,661

## Lift Station Program



**Project Name:** Lakeside, McBryde, Park, Pinole Center and Sobrante Lift Station Upgrades

**Priority Score:** 15

**Project Scope:** Electrical, mechanical and/or structural upgrades will be performed 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.

**Project Justification:** Improve functionality and reliability of lift stations to reduce negative impacts to service, risks of emergencies, and failures of equipment and infrastructure.

**Project Manager:** Armondo Hodge

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 6,576,929						\$ 6,576,929
							\$ -
							\$ -
<b>Total Funding Sources</b>	<b>\$ 6,576,929</b>						<b>\$ 6,576,929</b>

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction		\$ 1,474,615	\$ -	\$ -	\$ -	\$ -	\$ 1,474,615
Contingency		\$ 163,846	\$ -	\$ -	\$ -	\$ -	\$ 163,846
<b>Total Expenditures</b>	<b>\$ 4,938,468</b>	<b>\$ 1,638,461</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,576,929</b>

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: The existing SCADA system is old, outdated, and deficient.

Project Manager: Armondo Hodge

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ -					\$ 100,000	\$ 100,000
							\$ -
							\$ -
Total Funding Sources	\$ -					\$ 100,000	\$ 100,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ 90,000
Construction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency		\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000



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: Armondo Hodge

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ -		\$ 53,843		\$ 359,157		\$ 413,000
							\$ -
							\$ -
Total Funding Sources	\$ -		\$ 53,843		\$ 359,157		\$ 413,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design	\$ -	\$ -	\$ 48,458.70	\$ -	\$ -	\$ -	\$ 48,459
Construction	\$ -	\$ -	\$ -	\$ -	\$ 323,241	\$ -	\$ 323,241
Contingency	\$ -	\$ -	\$ 5,384	\$ -	\$ 35,916	\$ -	\$ 41,300
Total Expenditures	\$ -	\$ -	\$ 53,843	\$ -	\$ 359,157	\$ -	\$ 413,000

**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:** Armondo Hodge

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ -		\$ 247,443		\$ 1,650,557		\$ 1,898,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ -		\$ 247,443		\$ 1,650,557		\$ 1,898,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ 222,699	\$ -	\$ -	\$ -	\$ 222,699
Construction		\$ -	\$ -	\$ -	\$ 1,485,501	\$ -	\$ 1,485,501
Contingency		\$ -	\$ 24,744	\$ -	\$ 165,056	\$ -	\$ 189,800
<b>Total Expenditures</b>	\$ -	\$ -	\$ 247,443	\$ -	\$ 1,650,557	\$ -	\$ 1,898,000

**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:** Armondo Hodge

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ -		\$ 46,152		\$ 307,848		\$ 354,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	\$ -		\$ 46,152		\$ 307,848		\$ 354,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ 41,537	\$ -	\$ -	\$ -	\$ 41,537
Construction		\$ -	\$ -	\$ -	\$ 277,063.20	\$ -	\$ 277,063
Contingency		\$ -	\$ 4,615	\$ -	\$ 30,785	\$ -	\$ 35,400
<b>Total Expenditures</b>	\$ -	\$ -	\$ 46,152	\$ -	\$ 307,848	\$ -	\$ 354,000

**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:** Armondo Hodge

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate			\$ 21,251		\$ 141,749		\$ 163,000
							\$ -
							\$ -
<b>Total Funding Sources</b>			\$ 21,251		\$ 141,749		\$ 163,000

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ 19,126	\$ -	\$ -	\$ -	\$ 19,126
Construction		\$ -	\$ -	\$ -	\$ 127,574	\$ -	\$ 127,574
Contingency		\$ -	\$ 2,125	\$ -	\$ 14,175	\$ -	\$ 16,300
<b>Total Expenditures</b>	\$ -	\$ -	\$ 21,251	\$ -	\$ 141,749	\$ -	\$ 163,000

## Other Program





# 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 FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 1,200,000						\$ 1,200,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	<b>\$ 1,200,000</b>						<b>\$ 1,200,000</b>

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction		\$ 1,039,258	\$ -	\$ -	\$ -	\$ -	\$ 1,039,258
Contingency		\$ 115,473	\$ -	\$ -	\$ -	\$ -	\$ 115,473
<b>Total Expenditures</b>	<b>\$ 45,269</b>	<b>\$ 1,154,731</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,200,000</b>



**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

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 1,000,000						\$ 1,000,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	<b>\$ 1,000,000</b>						<b>\$ 1,000,000</b>

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction		\$ -	\$ -	\$ 705,398	\$ -	\$ -	\$ 705,398
Contingency		\$ -	\$ -	\$ 78,378	\$ -	\$ -	\$ 78,378
<b>Total Expenditures</b>	<b>\$ 216,225</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 783,775</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000,000</b>

**Project Name:** WQRRP Caustic Tank Replacement

**Priority Score:** 6

**Project Scope:** Design and construct the relocation of the caustic tanks from the enclosed C & D building and replace with new, safer tank.

**Project Justification:** Address safety concerns related to the caustic tank infrastructure at the WQRRP, providing a safer environment for staff.

**Project Manager:** Aaron Winer

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 1,175,000						\$ 1,175,000
							\$ -
							\$ -
<b>Total Funding Sources</b>	<b>\$ 1,175,000</b>						<b>\$ 1,175,000</b>

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ -	\$ -	\$ -	\$ -	\$ 58,750	\$ 58,750
Construction		\$ -	\$ -	\$ -	\$ -	\$ 152,750	\$ 152,750
Contingency		\$ -	\$ -	\$ -	\$ -	\$ 23,500	\$ 23,500
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 235,000</b>	<b>\$ 235,000</b>

**Project Name:** WQRRP Sea Level Rise Protection

**Priority Score:** 6

**Project Scope:** Complete investigation, design and construction of a horizontal levee at the WQRRP.

**Project Justification:** This project will integrate treated effluent and seepage terraces at the WQRRP to 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:** Ken Deibert/ Joe Neugebauer

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 42,500						\$ 42,500
Grant	\$ 644,709						\$ 644,709
							\$ -
<b>Total Funding Sources</b>	<b>\$ 687,209</b>						<b>\$ 687,209</b>

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design		\$ 618,488	\$ -	\$ -	\$ -	\$ -	\$ 618,488
Construction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency		\$ 68,721	\$ -	\$ -	\$ -	\$ -	\$ 68,721
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ 687,209</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 687,209</b>