

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	Program	Project Status	Total Project Budget	Prior Year Appropriation	Prior Years Exp	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33
Clean & Green (WCW Comprehensive Energy & Sustainability	Clean + Green	Construction													
Upgrade) Project															
CEQA, Project Management, and Construction Management	Classes Course	I. D.	ć 0.350./3/												
Consultants, Attorney (LSA, Lee & Ro, Carollo, CDM, Tim Holmes,	Clean + Green	In Progress	\$ 9,259,626	5											
Hanson & Bridgett)	Clare Corre	In December	£ 2.440.222												
Construction Specialty Inspection & Testing Consultant	Clean + Green	In Progress	\$ 2,469,233 \$ 200,000												
Finance/Bond Costs	Clean + Green	In Progress	\$ 200,000	\$ -											
Dealers of the Court December of Materia	Clare Corre	Construction	\$ 632,184												
Replacement of Influent Pumps and Motors	Clean + Green	Construction													
New Grit Separation System	Clean + Green	Construction	\$ 5,930,023												
Carbon Redirection System	Clean + Green	Construction	\$ 974,003												
Primary Sludge Pumps and Comminutors	Clean + Green	Construction	\$ 598,596												
Rotary Drum Thickeners	Clean + Green	Construction	\$ 4,627,328												
High Efficiency Aeration Blower	Clean + Green	Construction	\$ 1,510,383												
New Digesters	Clean + Green	Construction	\$ 18,132,845												
Cogeneration System	Clean + Green	Construction	\$ 4,939,253												
Sludge Centrifugal Dewatering System	Clean + Green	Construction	\$ 3,937,245												
Sludge Thermal Dryer System	Clean + Green	Construction	\$ 11,695,967												
Richmond Sludge Piping Upgrade	Clean + Green	Construction	\$ 88,681												
Equalization expansion	Clean + Green	Construction	\$ 4,634,350												
Solar- 57 kW at the Hilltop Office	Clean + Green	Construction	\$ 329,535									1			
Solar- 27 kW at Atlas Road Pump Station	Clean + Green	Construction	\$ 159,403												
Solar- 61 kW at Lakeside Pump Station	Clean + Green	Construction	\$ 257,185												
Solar- 136 kW at Tara Hills Pump Station	Clean + Green	Construction	\$ 457,790												
Solar- 849 kW at WQRRP	Clean + Green	Construction	\$ 2,483,629												
Electric Vehicle Charging Stations	Clean + Green	Construction	\$ 54,117												
LED Lighting Upgrade- Hilltop Office	Clean + Green	Construction	\$ 93,153												
LED Lighting Upgrade- WQRRP	Clean + Green	Construction	\$ 195,165	\$ -											
Subtotal of Design/Build Cost			\$ 61,730,837												
Contingency			\$ 6,673,084	\$ 500,000											
				_											
Total Project Cost with Contigency	Clean + Green	Construction	\$ 86,923,735	\$ 86,923,735	\$ 17,382,176 \$	69,541,559	\$ -	\$ - !	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
				_											
O&M Management Cost (20-yr Contact)			\$ 7,682,341												
Total Project Cost with Contigency & O&M Contract			\$ 94,606,076	\$ 94,606,076											
CAPITAL PROJECTS BY PRIORITY:	G 11 G B1			4 2 22 722	A 255 (0) A	4 400 007	* 4 000 000								
Foster Lane Sewer Realignment	Gravity Sewer Pipe	Planning	\$ 3,037,708		\$ 355,681 \$	1,682,027	\$ 1,000,000			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lakeside Force Main Replacement	Force Main	Construction	\$ 1,193,466		\$ 1,193,466 \$	-	\$ -	\$ - 5	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
La Honda Force Main Replacement	Force Main	Construction				538,521				\$ -	\$ -	\$ -	1	Ť.	ş -
Hilltop Green Force Main Replacement	Force Main	Construction	\$ 1,554,827		\$ 1,554,827 \$		Ş -	\$ - 9		Ş -	\$ -	\$ -	\$ -	Ş -	\$ -
CSO Building Seismic Retrofit	Facilities	Closed	\$ 7,006,736		\$ 1,006,736 \$		Ş -	\$ - 5		\$ 6,000,000	Ş -	Ş -	\$ -	Ş -	Ş -
Force Main Condition Assessment & Replacement	Force Main	Design	\$ 8,000,000		\$ 664,369 \$	1,835,631	\$ 500,000	\$ 750,000	750,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 1,000,000	\$ 500,000	\$ 500,000
WQRRP Effluent Valve Replacement	Plant Process	Closed	\$ 1,065,487		\$ 1,065,487 \$		Ş -	\$ - 5	-	Ş -	Ş -	Ş -	Ş -	Ş -	Ş -
WQRRP Effluent Electrical System Upgrades	Plant Process	On Hold	\$ 6,200,000		\$ 231,059 \$	768,941	\$ -	\$ - !	3,200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tara Hills Sewer Replacement	Gravity Sewer Pipe	Closed	\$ 368,476		\$ 368,476 \$	-	\$ -	,	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
San Pablo Sewer Replacement	Gravity Sewer Pipe	Construction	\$ 2,394,248		\$ 173,455 \$	2,220,793	\$ -	\$ - 9	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lower San Pablo Sewer Replacement	Gravity Sewer Pipe	Construction	\$ 1,000,000		\$ 63,593 \$	936,407	\$ -	\$ - 5	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
El Sobrante Sewer Replacement	Gravity Sewer Pipe	Construction	\$ 1,750,000		\$ 103,682 \$	1,646,318		\$ - !	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Secondary Sedimentation	Plant Process	Initiation	\$ 9,233,693		\$ - \$	2,000,000	\$ 7,233,693	\$ - !	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lift Station SCADA communication upgrade	Lift Station		\$ 1,000,000		\$ - \$		\$ -	\$ 100,000 5	900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
D'Avila Lift Station Upgrade	Lift Station	Design	\$ 2,500,000		\$ 160,095 \$	239,905	\$ -	\$ 2,100,000	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tara Hills Lift Station Upgrade	Lift Station	Design	\$ 6,800,000		\$ 563,554 \$	-	\$ -	\$ 6,236,446	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
La Honda Lift Station Upgrade	Lift Station	Design	\$ 2,500,000		\$ 162,896 \$	73,550		\$ 2,263,554	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Carriage Hills Lift Station Upgrade	Lift Station	Design	\$ 2,500,000		\$ 165,095 \$	234,905	Ÿ	\$ 2,100,000	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hilltop and WQRRP Facilities Assessment and Upgrade Project	Facilities	Planning	\$ 7,350,000		\$ 2,400 \$	7,347,600		\$ - !		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Gravity Sewer Unidentified Pipes I&I Program	Gravity Sewer Pipe		\$ 48,343,843	\$ 3,343,843	\$ - \$	3,343,843	\$ 5,000,000	\$ 5,000,000	5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000
Chesley and Giaramita, Rumrill South of Market Ave, Post Ave,	Gravity Sawar Bina	Cleary	¢ 5740.040	\$ 5,719,049	\$ 5.719.049 \$		s -	s - 9		s -	ς .	s -	s -	s -	c
Bush Ave, California Ave, Sutter Ave, 19th Street, Oak Knoll	Gravity Sewer Pipe		\$ 5,719,049		3,717,047	-	÷ -	- 3	-	· -	· -	٠ -	- ډ	÷ -	· ·
Outside Lighting Project at Hilltop Office	Facilities	Closed	\$ 11,494		\$ 11,494 \$	-		\$ - 9	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning Studies	Other		\$ 4,180,000	\$ 760,000	\$ - \$	760,000	\$ 380,000	\$ 380,000 5	380,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 380,000
La Paloma Odor Mitigation	Gravity Sewer Pipe		\$ 7,000,000		\$ 199,563 \$	3,100,437	\$ -	\$ 3,700,000		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ 1,149,900		\$ 575,422 \$	574,478	\$ -	\$ - 9	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WQRRP Sea Level Rise Protection	Plant Process				\$ - \$		\$ -	\$ - 9	118,797	\$ 1,069,170	\$ -	\$ -	\$ -	\$ -	\$ -
WQRRP Sea Level Rise Protection		On Hold	\$ 1,187,967		\$ 598,835 \$	151,165	\$ -	\$ - !		\$ 650,000	\$ 2,800,000	\$ 2,800,000	š -	\$ -	\$ -
	Plant Process Plant Process Facilities	On Hold On Hold	\$ 1,187,967 \$ 7,000,000	\$ 750,000	3 398,835 3										
WQRRP Sea Level Rise Protection RAS Rehabilitation WQRRP New Maintenance Building Facility	Plant Process Facilities	On Hold	\$ 7,000,000		\$ 598,835 \$	-	\$ -	S - 9	-		\$ -	\$ -	Š -	\$ -	S -
WQRRP Sea Level Rise Protection RAS Rehabilitation WQRRP New Maintenance Building Facility Side Streams Monitoring Station near Headworks	Plant Process Facilities Plant Process	On Hold On Hold	\$ 7,000,000 \$ 250,000	\$ -	\$ 598,835 \$ \$ - \$	-	7	\$ - <u>\$</u>		\$ 250,000	\$ -	\$ -	\$ -	7	\$ - \$ -
WQRRP Sea Level Rise Protection RAS Rehabilitation WQRRP New Maintenance Building Facility Side Streams Monitoring Station near Headworks Environmental Center at WQRRP	Plant Process Facilities Plant Process Facilities	On Hold On Hold On Hold	\$ 7,000,000 \$ 250,000 \$ 1,500,000	\$ -	\$ - \$ \$ - \$		\$ -	\$ - 9	-	\$ 250,000 \$ -	\$ - \$ 300,000	\$ - \$ 1,200,000	\$ - \$ -	\$ -	·
WQRRP Sea Level Rise Protection RAS Rehabilitation WQRRP New Maintenance Building Facility Side Streams Monitoring Station near Headworks Environmental Center at WQRRP Training Facility	Plant Process Facilities Plant Process Facilities Facilities	On Hold On Hold On Hold On Hold	\$ 7,000,000 \$ 250,000 \$ 1,500,000 \$ 1,500,000	\$ - \$ - \$	\$ - \$	-	\$ - \$ -	\$ - 9	-	\$ 250,000 \$ -	\$ - \$ 300,000 \$ 300,000	\$ - \$ 1,200,000 \$ 1,200,000	\$ - \$ - \$ -	\$ - \$ -	\$ - \$ - \$ -
WQRRP Sea Level Rise Protection RAS Rehabilitation WQRRP New Maintenance Building Facility Side Streams Monitoring Station near Headworks Environmental Center at WQRRP Training Facility Odor Control Phase 1	Plant Process Facilities Plant Process Facilities	On Hold On Hold On Hold On Hold On Hold On Hold	\$ 7,000,000 \$ 250,000 \$ 1,500,000 \$ 1,500,000 \$ 5,121,539	\$ - \$ - \$ - \$ -	\$ - \$ \$ - \$ \$ - \$	-	\$ - \$ -	\$ - 9	-	\$ 250,000 \$ - \$ - \$ -	\$ - \$ 300,000 \$ 300,000 \$ -	\$ - \$ 1,200,000 \$ 1,200,000 \$ 1,024,308	\$ - \$ - \$ -	\$ - \$ -	·
WQRRP Sea Level Rise Protection RAS Rehabilitation WQRRP New Maintenance Building Facility Side Streams Monitoring Station near Headworks Environmental Center at WQRRP Training Facility Odor Control Phase 1 Aeration Rehabilitation	Plant Process Facilities Plant Process Facilities Facilities Facilities Plant Process Plant Process	On Hold On Hold On Hold On Hold On Hold On Hold	\$ 7,000,000 \$ 250,000 \$ 1,500,000 \$ 1,500,000 \$ 5,121,539 \$ 4,425,159	\$ - \$ - \$ - \$ - \$ -	\$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$	-	\$ - \$ - \$ - \$ -	\$ - \$ \$ - \$ \$ - \$		\$ 250,000 \$ - \$ - \$ - \$ - \$ 885,032	\$ - \$ 300,000 \$ 300,000 \$ - \$ 3,540,127	\$ - \$ 1,200,000 \$ 1,200,000 \$ 1,024,308 \$ -	\$ - \$ - \$ - \$ 4,097,231 \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ -
WQRRP Sea Level Rise Protection RAS Rehabilitation WQRRP New Maintenance Building Facility Side Streams Monitoring Station near Headworks Environmental Center at WQRRP Training Facility Odor Control Phase 1 Aeration Rehabilitation Total	Plant Process Facilities Plant Process Facilities Facilities Facilities Plant Process Plant Process Capital Projects:	On Hold	\$ 7,000,000 \$ 250,000 \$ 1,500,000 \$ 1,500,000 \$ 5,121,539 \$ 4,425,159 \$ 153,482,923	\$ - \$ - \$ - \$ - \$ - \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	\$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ 15,040,044 \$	- - - - - - 27,454,521	\$ - \$ - \$ - \$ -	\$ - 9 \$ - 9		\$ 250,000 \$ - \$ - \$ - \$ - \$ 885,032	\$ - \$ 300,000 \$ 300,000 \$ - \$ 3,540,127	\$ - \$ 1,200,000 \$ 1,200,000 \$ 1,024,308 \$ -	\$ - \$ - \$ - \$ 4,097,231 \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ -
WQRRP Sea Level Rise Protection RAS Rehabilitation WQRRP New Maintenance Building Facility Side Streams Monitoring Station near Headworks Environmental Center at WQRRP Training Facility Odor Control Phase 1 Aeration Rehabilitation Total Clean & Green	Plant Process Facilities Plant Process Facilities Facilities Plant Process Plant Process Plant Process Capital Projects: Clean & Green Project Cost:	On Hold	\$ 7,000,000 \$ 250,000 \$ 1,500,000 \$ 1,500,000 \$ 5,121,539 \$ 4,425,159 \$ 153,482,923 \$ 86,923,735	\$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ 5 \$ 42,494,565 \$ 86,923,735	\$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ 15,040,044 \$ \$ 17,382,176 \$	27,454,521 69,541,559	\$ - \$ - \$ - \$ -	\$ - \$ \$ - \$ \$ - \$		\$ 250,000 \$ - \$ - \$ - \$ - \$ 885,032	\$ - \$ 300,000 \$ 300,000 \$ - \$ 3,540,127	\$ - \$ 1,200,000 \$ 1,200,000 \$ 1,024,308 \$ -	\$ - \$ - \$ - \$ 4,097,231 \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ -
WQRRP Sea Level Rise Protection RAS Rehabilitation WQRRP New Maintenance Building Facility Side Streams Monitoring Station near Headworks Environmental Center at WQRRP Training Facility Odor Control Phase 1 Aeration Rehabilitation Total	Plant Process Facilities Plant Process Facilities Facilities Facilities Plant Process Plant Process Capital Projects:	On Hold	\$ 7,000,000 \$ 250,000 \$ 1,500,000 \$ 1,500,000 \$ 5,121,539 \$ 4,425,159 \$ 153,482,923	\$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ 5 \$ 42,494,565 \$ 86,923,735	\$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ 15,040,044 \$	- - - - - - 27,454,521	\$ - \$ - \$ - \$ -	\$ - \$ \$ - \$ \$ - \$		\$ 250,000 \$ - \$ - \$ - \$ - \$ 885,032	\$ - \$ 300,000 \$ 300,000 \$ - \$ 3,540,127	\$ - \$ 1,200,000 \$ 1,200,000 \$ 1,024,308 \$ -	\$ - \$ - \$ - \$ 4,097,231 \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ -

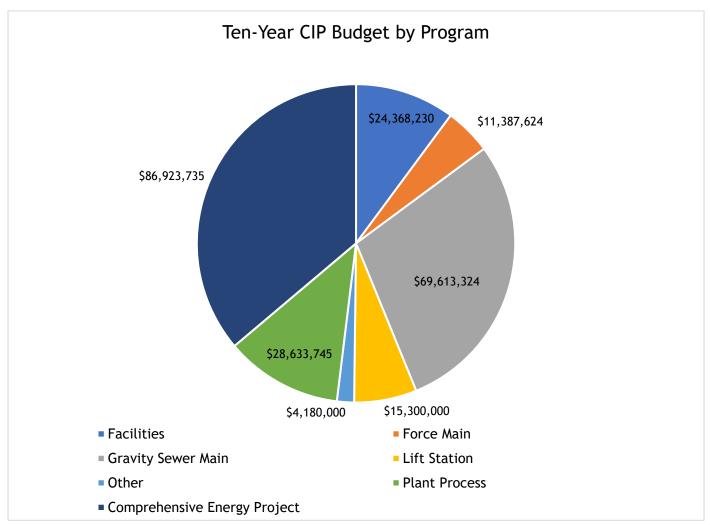
Capital Project Name	Capital Project Description	rior Years penditure	FY24 Budget Expenditure	FY25 Budget Expenditure	FY26-FY31 Planned Expenditure	Project Total Budget Amount
Clean & Green (WCW Comprehensive Energy & Sustainability Upgrade) Project	Design and construct influent pump station, improve 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 Giaramita, 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	Ť	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	Ş	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	\$ -	\$		\$ <u>-</u>	\$	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:

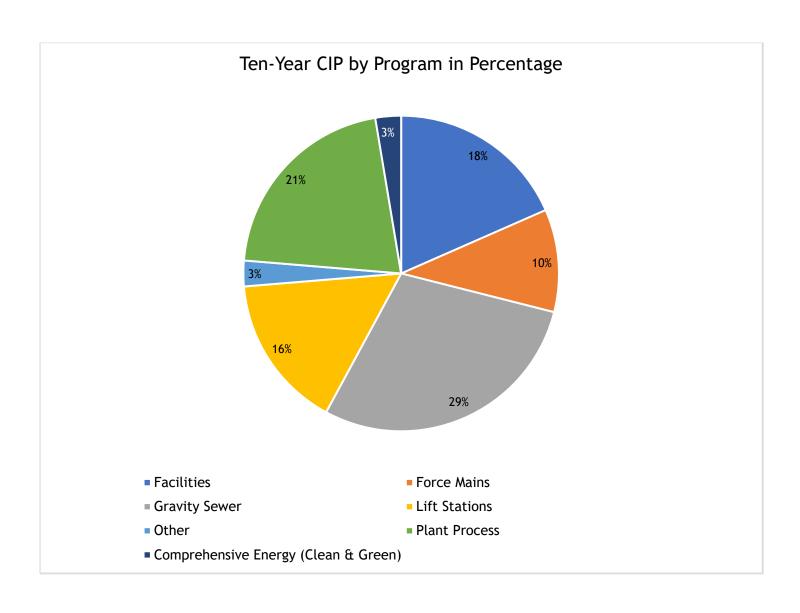
- 1. Comprehensive Energy Project Program (Clean & Green), which consists of several projects intended to reduce energy consumption and GHG emissions through various upgrades at the Water Quality & Resource Recovery Plant (WQRRP), the Hilltop campus, and several of WCW's lift station sites;
- 2. **Gravity 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.

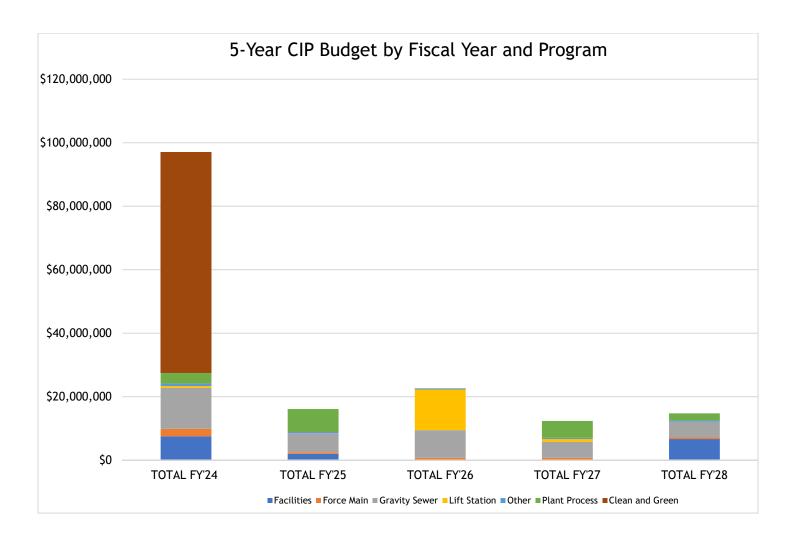
The 10-Year CIP Plan is a living document subject to adjustment. The Plan consists of projections based on current information, including condition and needs assessments as well as regulatory requirements. From the 10-Year CIP Plan, staff develops the 5-Year Expenditure Plan which includes more detailed 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.



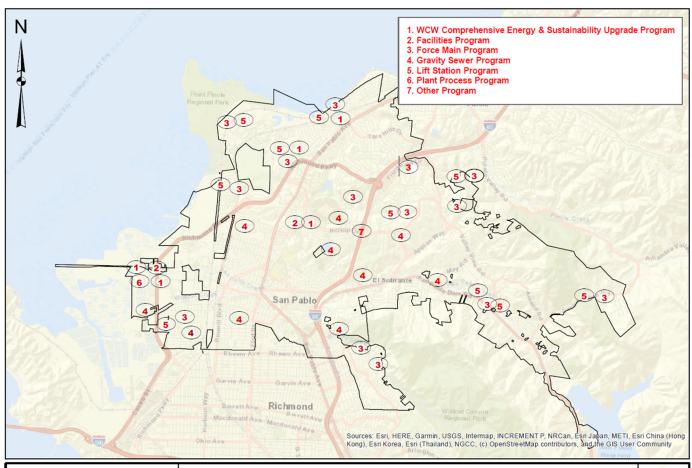
There is a total of 33 projects included in the Ten-Year CIP Plan from FY 24 to FY 33 as shown in the Table and Chart below by Program.

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





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	\$69,541,559	\$0	\$0	\$0	\$0
Energy)					
TOTAL:	\$96,996,080	\$16,113,693	\$22,630,000	\$12,348,797	\$14,734,202



DRAWN BY: ARMONDO H.

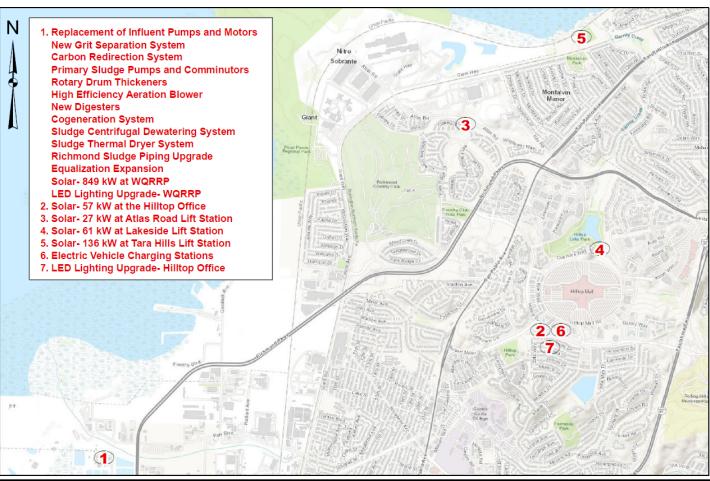
WEST COUNTY WASTEWATER

FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS
ALL PROGRAMS



Clean & Green (Comprehensive Energy and Sustainability Upgrade) Project





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

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

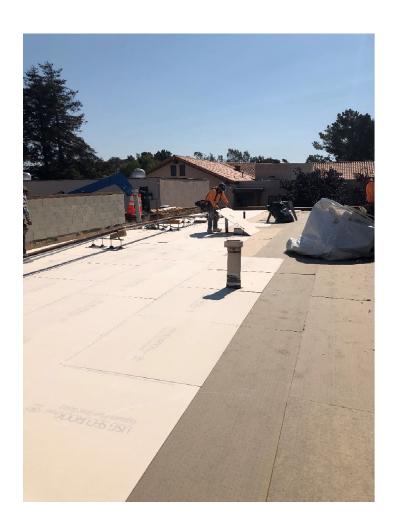
quality and reuse of the biosolids produced at the WQRRP.

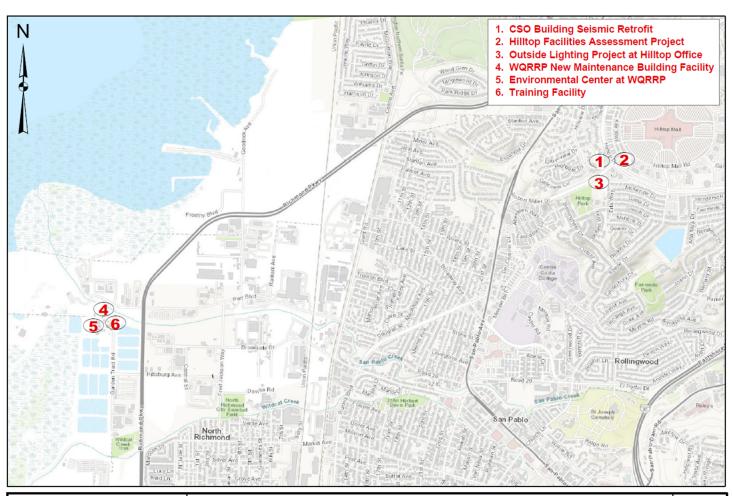
Project Manager: Keith Reynolds

Funding Sources		Tota	l	P	roposed	F	Proposed	F	Proposed	Р	roposed	ı	Proposed		Total
	Aр	propri	ation	App	propriation	Apı	propriation	Ap	propriation	App	ropriation	Ар	propriation		
	P	rior Ye	ears		FY24		FY25		FY26		FY27		FY28		
Sewer Rate	\$	86,92	3,735	\$	-	\$	-	\$	-	\$	-	\$	-	\$	86,923,735
Bond	\$		-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	\$		-	\$	-	\$	-	\$		\$	-	\$	-	\$	
Total Funding Sources	\$	86,92	3,735	\$	-	\$	-	\$		\$	-	\$	-	\$	86,923,735

Expenditures	Р	rior Years	Est	timated Exp	Es	timated Exp	Est	imated Exp	Est	imated Exp	Est	timated Exp	Total
		Exp		FY24		FY25		FY26		FY27		FY28	
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





UPDATED BY: ARMONDO H.

SCALE: Not to scale

WEST COUNTY WASTEWATER

FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS
FACILITIES PROGRAM



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	l	Proposed	I	Proposed	F	Proposed	F	Proposed	F	Proposed	Total
	Αp	propriation	Ар	propriation	Ар	propriation	Αp	propriation	Ар	propriation	Αp	propriation	
	Pi	rior Years		FY24		FY25		FY26		FY27		FY28	
Sewer Rate	\$	1,006,736	\$	-	\$	-	\$	-	\$	-	\$	6,000,000	\$ 7,006,736
	\$	-	\$	-	\$	-	\$	-	\$	-	ς,	-	\$ -
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Total Funding Sources	\$	1,006,736	\$	-	\$	-	\$		\$		\$	6,000,000	\$ 7,006,736

Expenditures	Pr	ior Years	Est	imated Exp	Est	timated Exp	Est	timated Exp	Est	imated Exp	Est	imated Exp	Total
		Exp		FY24		FY25		FY26		FY27		FY28	
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.

	۸n	Total propriation		roposed propriation		roposed ropriation		Proposed propriation		Proposed propriation		roposed propriation	
Funding Sources		rior Years	APF	FY24	АРР	FY25	Aþ	FY26	АР	FY27	App	FY28	Total
Sewer Rate	\$	7,350,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 7,350,000
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Total Funding Sources	\$	7,350,000	\$	-	\$		\$	-	\$	-	\$		\$ 7,350,000

			Est	timated Exp	Est	timated Exp	Es	timated Exp	Est	imated Exp	Est	imated Exp	
Expenditures	Prior	Years Exp		FY24		FY25		FY26		FY27		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	To	otal	Pr	oposed	Pı	roposed	Р	roposed	Р	roposed	Pr	oposed	Total
	Appropriation		Appr	opriation	Арр	ropriation	App	propriation	App	ropriation	qqA	opriation	
	Prior	Years		FY24		FY25		FY26		FY27		FY28	
Sewer Rate	\$	11,494	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 11,494
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	•	\$ -
Total Funding Sources	\$	11,494	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 11,494

Expenditures	Prior	Years Exp	Esti	mated Exp	Est	timated Exp	Est	timated Exp	Est	timated Exp	Est	imated Exp	Total
				FY24		FY25		FY26		FY27		FY28	
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.

		Total	Р	roposed	F	Proposed		Proposed		Proposed	F	Proposed	
	Арр	ropriation	Арр	ropriation	Ap	propriation	Αp	propriation	Ар	propriation	Арі	propriation	
Funding Sources	Pr	ior Years		FY24		FY25		FY26		FY27		FY28	Total
Sewer Rate	\$	750,000	\$	-	\$	-	\$	-	\$	-	\$	650,000	\$ 1,400,000
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Total Funding Sources	\$	750,000	\$	-	\$	-	\$	-	\$	-	\$	650,000	\$ 1,400,000

			Est	timated Exp	Est	imated Exp	Est	imated Exp	Est	imated Exp	Estimated Exp			
Expenditures	Prior	Years Exp		FY24		FY25		FY26		FY27		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.

Funding Sources	Total		oposed		oposed		roposed		roposed	roposed	
	Appropriation Prior Years	App	ropriation FY24		opriation FY25	Арр	ropriation FY26	API	propriation FY27	 ropriation FY28	Total
Sewer Rate	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -
Bond	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -
	\$ -	\$	-	\$	-	\$	-	\$	-	\$ =	\$ -
Total Funding Sources	\$ -	Ś	-	Ś	-	\$	-	\$	-	\$ -	\$ -

Expenditures			Estin	Estimated Exp 1		nated Exp	Est	imated Exp	Est	imated Exp	Estir	nated Exp		
	Prior Y	ears Exp		FY24		FY25		FY26		FY27		FY28	Te	otal
Planning & Design	\$	-	\$	=	\$	-	\$	-	\$	-	\$	-	\$	-
Construction	\$	-	\$	=	\$	-	\$	-	\$	-	\$	-	\$	-
Contingency	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Expenditures	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Project Name: Training Facility

Priority Score: 0

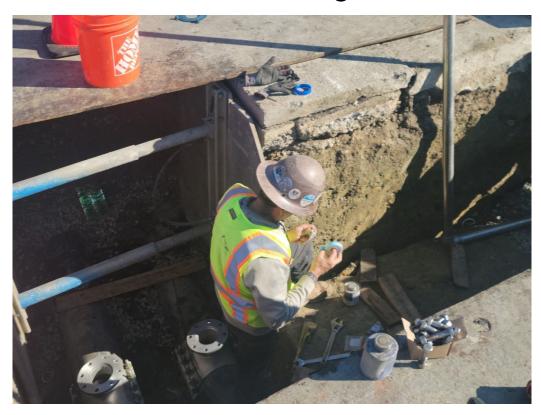
Project Scope: Design and construct a new Training Facility building at WQRRP

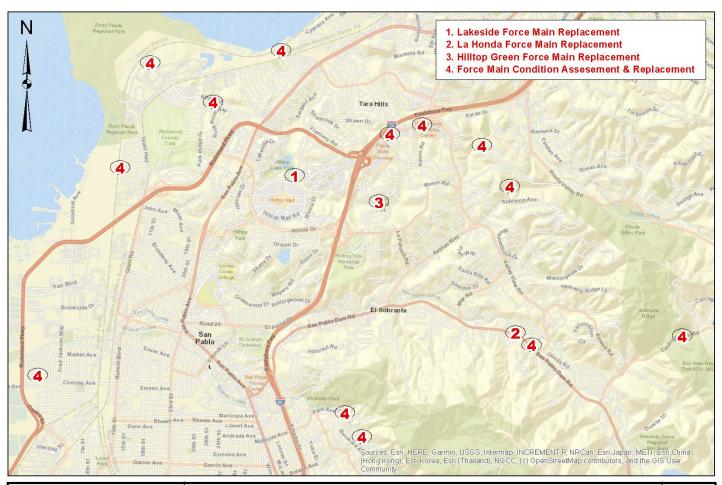
Project Justification: Increase the facilities for training of employees and visitors at WQRRP.

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

		Estimated Exp					
Expenditures	Prior Years Exp	FY24	FY25	FY26	FY27	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	- WEST COUNTY WASTEWATER

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.

Funding Sources		Total	ı	Proposed		Proposed	F	Proposed	ı	Proposed	ı	Proposed	Total
	Apı	propriation	Ар	propriation	Ар	propriation	Αp	propriation	Αр	propriation	Αр	propriation	
	Pı	rior Years		FY24		FY25		FY26		FY27		FY28	
Sewer Rate	\$	639,331	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 639,331
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Total Funding Sources	\$	639,331	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 639,331

Expenditures	Prior Years		Est	imated Exp	Total								
		Exp		FY24		FY25		FY26		FY27		FY28	
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	P	roposed	ı	Proposed	F	Proposed	F	Proposed		Proposed	Total
	Ар	propriation	App	propriation	Ар	propriation	Арі	propriation	Ap	propriation	Αр	propriation	
	P	rior Years		FY24		FY25		FY26		FY27		FY28	
Sewer Rate	\$	1,193,466	\$	-	\$	-	\$	-	\$	•	\$	-	\$ 1,193,466
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ •
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Total Funding Sources	\$	1,193,466	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 1,193,466

Expenditures	P	rior Years	Est	imated Exp	Total								
		Exp		FY24		FY25		FY26		FY27		FY28	
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.

		Total	F	roposed	I	Proposed	F	Proposed	F	Proposed	F	Proposed	
	Ар	propriation	Apı	propriation	Ар	propriation	Αp	propriation	Apı	propriation	Αp	propriation	
Funding Sources	P	rior Years		FY24		FY25		FY26		FY27		FY28	Total
Sewer Rate	\$	1,554,827	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 1,554,827
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Total Funding Sources	\$	1,554,827	\$	-	\$	-	\$		\$	-	\$		\$ 1,554,827

	P	rior Years	Esti	mated Exp	Est	imated Exp							
Expenditures		Exp		FY24		FY25		FY26		FY27		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

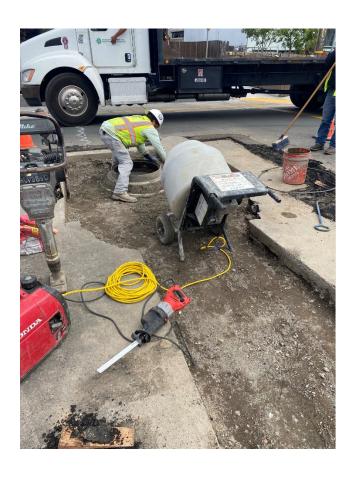
Proiect Justification: Improve reliability of the collection system, reduce inflow and infiltration, and minimize risk of failure of critical

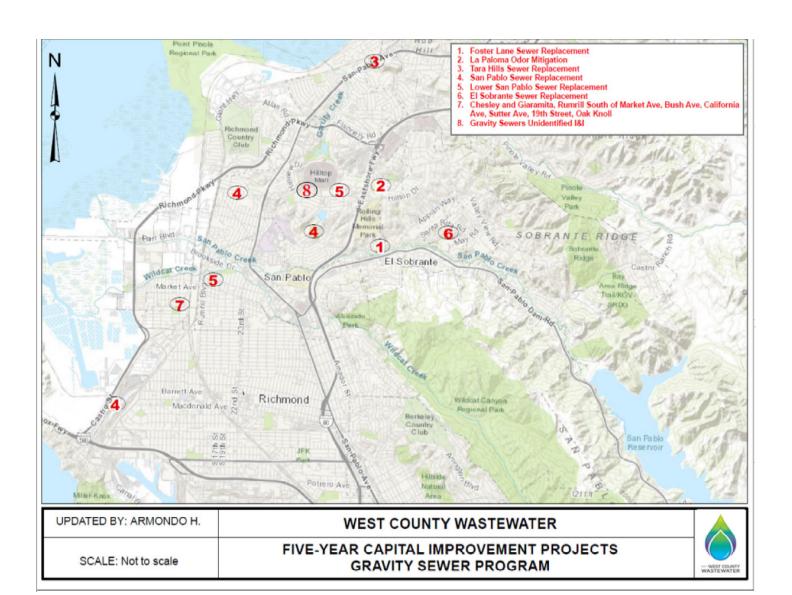
infrastructure.

Funding Sources		Total	P	roposed		Proposed		Proposed	ı	Proposed	ı	Proposed	Total
	Ap	propriation	App	propriation	Ap	propriation	Ap	propriation	Ap	propriation	Ар	propriation	
	P	rior Years		FY24		FY25		FY26		FY27		FY28	
Sewer Rate	\$	2,500,000	\$	-	\$	500,000	\$	750,000	\$	750,000	\$	500,000	\$ 5,000,000
	\$	-	\$	-	\$	-	\$	-	\$		\$	-	\$ -
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Total Funding Sources	Ş	2,500,000	Ş	-	Ş	500,000	\$	750,000	\$	750,000	\$	500,000	\$ 5,000,000

Expenditures	Pr	ior Years	Est	imated Exp	Total								
		Exp		FY24		FY25		FY26		FY27		FY28	
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





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.

Funding Sources	Total		Proposed	Tota	al								
	 propriation Prior Years	Ap	propriation FY24	Ap	propriation FY25	Ap	propriation FY26	Аp	propriation FY27	Ap	propriation FY28		
Sewer Rate	\$ 2,037,708	\$	-	\$	1,000,000	\$	-	\$	-	\$	-	\$3,037,	708
	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Funding Sources	\$ 2,037,708	\$		\$	1,000,000	\$	-	\$	-	\$	-	\$3,037,	708

Expenditures	Prio	r Years Exp	Est	timated Exp	Es	timated Exp	Es	timated Exp	Es	timated Exp	Est	timated Exp		Total
				FY24		FY25		FY26		FY27		FY28		
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	P	roposed	P	roposed	F	Proposed	ļ	Proposed	F	Proposed	Total
	 ropriation ior Years	App	propriation FY24	Арр	ropriation FY25	Apı	propriation FY26	Аp	propriation FY27	Apı	oropriation FY28	
Sewer Rate	\$ 368,476	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 368,476
	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Total Funding Sources	\$ 368,476	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 368,476

Expenditures	Prior	r Years Exp	Est	imated Exp	Est	imated Exp	Es	timated Exp	Est	timated Exp	Est	imated Exp	Total
				FY24		FY25		FY26		FY27		FY28	
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.

Funding Sources	٠.	Total propriation rior Years	roposed propriation FY24	Proposed propriation FY25	Proposed propriation FY26	Proposed propriation FY27	Proposed propriation FY28	Т	otal
Sewer Rate	\$	2,394,248	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,	394,248
	\$	-	\$ -	\$ -	\$ -	\$	\$ -	\$	-
	\$	-	\$ -	\$ -	\$ -	\$	\$ -	\$	-
Total Funding Sources	\$	2,394,248	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,	394,248

Expenditures	Pr	ior Years	Est	imated Exp	Es	timated Exp	Est	imated Exp	Est	imated Exp	Est	imated Exp		Total
		Ехр		FY24		FY25		FY26		FY27		FY28		
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		Proposed		Proposed		Proposed		Proposed		Proposed	Total	
	Appropriation A		App	Appropriation		Appropriation		Appropriation		Appropriation		propriation		
	Pı	rior Years		FY24		FY25		FY26		FY27		FY28		
Sewer Rate	\$	1,000,000	\$		\$		\$	-	\$	-	\$	-	\$	1,000,000
	\$	-	\$		\$		\$	-	\$	-	\$	-	\$	
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	
Total Funding Sources	\$	1,000,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	1,000,000

Expenditures	Pr	Prior Years Es		Estimated Exp		Estimated Exp		Estimated Exp		Estimated Exp		imated Exp		Total
		Ехр		FY24		FY25		FY26		FY27		FY28		
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		Proposed		Proposed		Proposed		Proposed		Proposed	Total	
	 propriation rior Years	App	propriation FY24	Ар	propriation FY25	Ар	propriation FY26	Ар	propriation FY27	Арј	propriation FY28		
Sewer Rate	\$ 1,750,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	1,750,000
	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Funding Sources	\$ 1,750,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	1,750,000

Expenditures	Prio	Prior Years Exp E		Estimated Exp		Estimated Exp		Estimated Exp		Estimated Exp		imated Exp	Total	
				FY24		FY25		FY26		FY27		FY28		
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	Ş	5,719,049	\$	-	\$	-	\$	-	Ş	-	\$	-	\$	5,719,049

Expenditures	Prior Years Exp	Estimated Exp	Total				
		FY24	FY25	FY26	FY27	FY28	
Planning & Design	\$ 1,429,762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,429,762
Construction	\$ 4,289,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,289,287
Contingency		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 5,719,049	Ş -	\$ -	\$ -	Ş -	\$ -	\$ 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		Proposed		Proposed	Proposed			Proposed	Proposed			Total				
		Appropriation Prior Years		Appropriation Prior Years		propriation FY24			Ар	ppropriation FY26		Appropriation FY27		• • •		ppropriation FY28		
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	Total				
		FY24	FY25	FY26	FY27	FY28	
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		roposed		Proposed		Proposed		Proposed		roposed	Total
	 oropriation ior Years	App	propriation FY24	Ap	propriation FY25	Ap	propriation FY26	Ар	propriation FY27	App	oropriation FY28	
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	Est	timated Exp	Est	timated Exp	Est	imated Exp	Es	timated Exp	Est	imated Exp	Total
				FY24		FY25		FY26		FY27		FY28	
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





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

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

Expenditures	Prior Years	Exp	Estimated Ex	р	Estimated Exp	Est	timated Exp	Est	timated Exp	Est	imated Exp		Total
			FY24		FY25		FY26		FY27		FY28		
Planning & Design	\$	-	\$ -		\$ -	\$	100,000	\$	150,000	\$	-	\$	250,000
Construction	\$	-	\$ -		\$ -	\$	-	\$	650,000	\$	-	\$	650,000
Contingency	\$	-	\$ -		\$ -	\$	-	\$	100,000	\$	-	\$	100,000
Total Expenditures	Ś	-	\$ -		\$ -	Ś	100,000	Ś	900,000	\$		Ś	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.

Funding Sources		Total	Р	roposed		Proposed	l	Proposed	F	Proposed	Р	roposed	To	otal
	App	ropriation	App	ropriation	Ар	propriation	Αp	propriation	Ар	propriation	App	ropriation		
	Pr	ior Years		FY24		FY25		FY26		FY27		FY28		
Sewer Rate	\$	400,000	\$	-	\$	•	\$	2,100,000	\$	=	\$		\$ 2,5	500,000
	\$	-	\$	-	\$	•	\$	-	\$	=	\$		\$	-
	\$	-	\$	-	\$	•	\$	-	\$	=	\$		\$	-
Total Funding Sources	\$	400,000	\$	-	\$	•	\$	2,100,000	\$	=	\$	-	\$ 2,5	500,000

Expenditures	Prior	Years Exp	Est	imated Exp	Est	timated Exp	Est	imated Exp	Esti	mated Exp	Est	imated Exp	Total
				FY24		FY25		FY26		FY27		FY28	
Planning & Design	\$	160,095	\$	239,905	\$	-	\$	210,000	\$	-	\$	-	\$ 610,000
Construction	\$	-	\$	-	\$	1	\$	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.

Funding Sources	Total		Proposed		Proposed		Proposed		Proposed	ı	Proposed	Total
	ppropriation Prior Years	Ар	propriation FY24	Ap	propriation FY25	Ар	propriation FY26	Ap	propriation FY27	Ap	propriation FY28	
Sewer Rate	\$ 563,554	\$	-	\$	-	\$	6,236,446	\$		\$		\$ 6,800,000
	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-	\$ •
Total Funding Sources	\$ 563,554	\$	-	\$	-	\$	6,236,446	\$	-	\$	-	\$ 6,800,000

Expenditures	Prio	r Years Exp	Esti	mated Exp	Est	timated Exp	Est	imated Exp	Es	timated Exp	Est	imated Exp	Total	
				FY24		FY25		FY26		FY27		FY28		
Planning & Design	\$	563,554	\$	-	\$	-	\$	796,446	\$	-	\$	-	\$ 1,360,0	000
Construction	\$	-	\$	-	\$	-	\$	4,080,000	\$	-	\$	-	\$ 4,080,0	000
Contingency	\$	-	\$	-	\$	-	\$	1,360,000	\$	-	\$	-	\$ 1,360,0	000
Total Expenditures	\$	563,554	\$	-	\$	-	\$	6,236,446	\$	-	\$	-	\$ 6,800,0	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.

Funding Sources		Total	P	roposed		Proposed		Proposed		Proposed		Proposed	Total
	App	propriation	App	propriation	Ap	propriation	Ap	propriation	Ap	propriation	Ар	propriation	
	Pr	rior Years		FY24		FY25		FY26		FY27		FY28	
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	Est	imated Exp	Es	timated Exp	Est	timated Exp	Est	timated Exp	Est	timated Exp	Total
				FY24		FY25		FY26		FY27		FY28	
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.

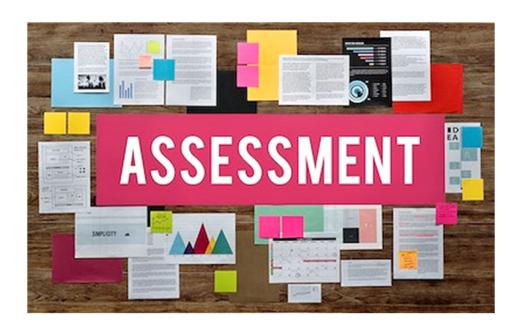
Project Justification: Improve functionality and reliability of the lift station to reduce negative impacts to service and risks of emergency

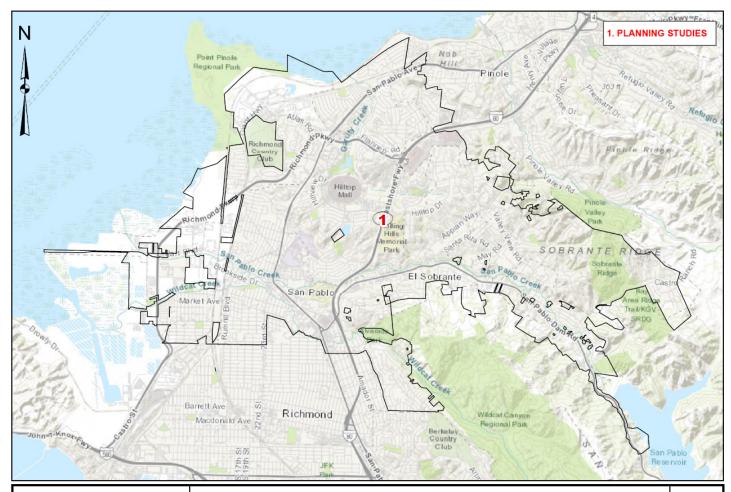
failures of equipment and infrastructure.

Funding Sources		Total	F	Proposed		Proposed		Proposed		Proposed	Р	roposed	Total
	App	propriation	App	propriation	Ap	propriation	Ap	propriation	Αŗ	propriation	App	ropriation	
	Pr	rior Years		FY24		FY25		FY26		FY27		FY28	
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	Esti	imated Exp	Es	timated Exp	Est	timated Exp	Es	timated Exp	Est	imated Exp	Total
				FY24		FY25		FY26		FY27		FY28	
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.

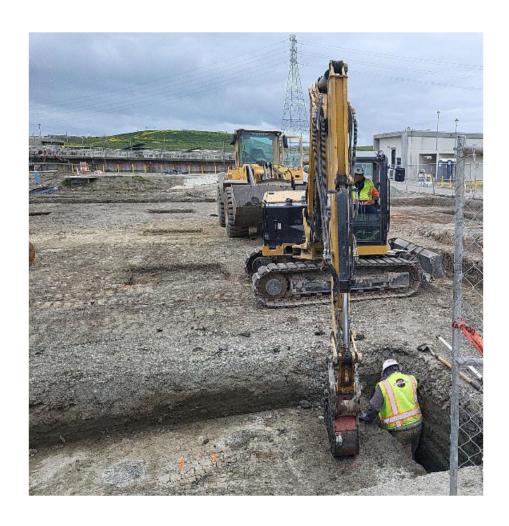
Project Justification: The planning studies will help develop individual capital projects.

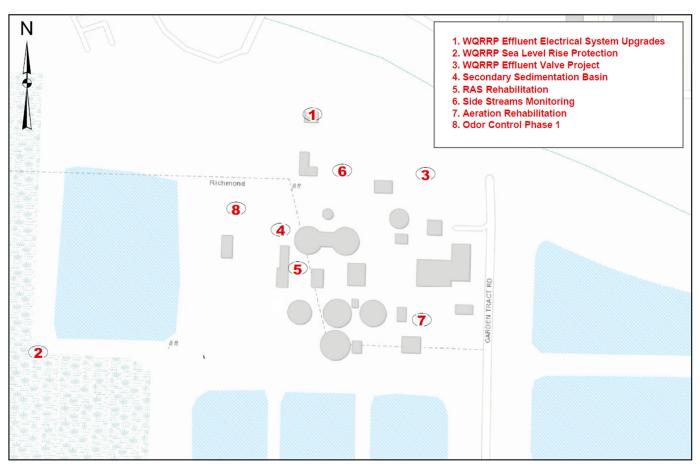
Project Manager: Judy Chen

Funding Sources		Total	Pr	oposed	ı	Proposed		Proposed		Proposed	П	Proposed	Total
	App	ropriation	Аррі	opriation	Ар	propriation	Ap	propriation	Ap	propriation	Ар	propriation	
	Pr	ior Years		FY24		FY25		FY26		FY27		FY28	
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	Pı	rior Years	Est	timated Exp	Es	timated Exp	Es	timated Exp	Est	timated Exp	Est	imated Exp	Total
		Exp		FY24		FY25		FY26		FY27		FY28	
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	—WEST COUNTY WASTEWATER

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.

Funding Sources		Total	F	Proposed	F	Proposed		Proposed		Proposed	ı	Proposed	Total
	App	propriation	Ap	propriation	Apı	propriation	Ap	propriation	Ap	propriation	Ар	propriation	
	Pı	rior Years		FY24		FY25		FY26		FY27		FY28	
Sewer Rate	\$	1,065,487	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 1,065,487
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
	\$	-	\$		\$	-	\$	•	\$	-	\$	-	\$ -
Total Funding Sources	\$	1,065,487	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 1,065,487

Expenditures	Pı	rior Years	Est	imated Exp	Es	timated Exp	Est	timated Exp	Est	imated Exp	Est	timated Exp	Total
		Exp		FY24		FY25		FY26		FY27		FY28	
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.

Funding Sources		Total		Proposed		Proposed		Proposed		Proposed		Proposed	Total
	Ap	propriation	Ap	propriation	Αį	ppropriation	Α	ppropriation	Αp	propriation	Ap	propriation	
	Р	rior Years		FY24		FY25		FY26		FY27		FY28	
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	Est	imated Exp	Es	timated Exp	Es	timated Exp	Es	timated Exp	Est	imated Exp	Total
			FY24		FY25		FY26		FY27		FY28	
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	Р	roposed	Р	roposed		Proposed	I	Proposed	F	Proposed	Total
	App	propriation	App	propriation	App	propriation	Αp	propriation	Ар	propriation	Ap	propriation	
	Pı	rior Years		FY24		FY25		FY26		FY27		FY28	
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	Estim	ated Exp	Est	imated Exp	Est	imated Exp	Est	imated Exp	Esti	imated Exp		Total
			ı	-Y24		FY25		FY26		FY27		FY28		
Planning & Design	\$	231,059	\$	-	\$	-	\$	-	\$	574,941	\$	-	\$	806,000
Construction	\$	-	\$	-	\$	-	\$	-	\$	4,154,000	\$	-	\$ 4	1,154,000
Contingency	\$	-	\$	-	\$	-	\$	-	\$	1,240,000	\$	-	\$ 1	,240,000
Total Expenditures	\$	231,059	\$	-	\$	-	\$	-	\$	5,968,941	\$	-	\$ 6	5,200,000

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.

Funding Sources		Total	ı	Proposed		Proposed		Proposed		Proposed		Proposed	Total
	App	propriation	Ар	propriation	Aр	propriation	Ą	propriation	Ą	propriation	Ap	propriation	
	Pr	ior Years		FY24		FY25		FY26		FY27		FY28	
Sewer Rate	\$	504,991	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 504,991
Grant	\$	644,909	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 644,909
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Total Funding Sources	\$	1,149,900	\$	-	\$	1-1	\$	-	\$	-	\$	-	\$ 1,149,900

Expenditures	Prio	r Years Exp	Est	imated Exp	Es	timated Exp	Es	timated Exp	Es	timated Exp	Est	timated Exp	Total
				FY24		FY25		FY26		FY27		FY28	
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.

Funding Sources		Total	ı	Proposed	F	Proposed		Proposed		Proposed	ı	Proposed	Total
	App	propriation	Ар	propriation	Apı	propriation	Αp	propriation	Αp	propriation	Ар	propriation	
	Pr	ior Years		FY24		FY25		FY26		FY27		FY28	
Sewer Rate	\$	504,991	\$		\$	-	\$	-	\$	-	\$	-	\$ 504,991
Grant	\$	644,909	\$	-	\$	=	\$	-	\$	-	\$	-	\$ 644,909
	\$	-	\$		\$	-	\$	-	\$	ı	\$		\$
Total Funding Sources	\$	1,149,900	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 1,149,900

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

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

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

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

Project Name: Aeration Rehabilitation

Priority Score: 0

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

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

Funding Sources	Total	Pro	Proposed		Proposed		Proposed		Proposed		Proposed		Total
	Appropriation Prior Years		opriation Y24		opriation FY25	App	ropriation FY26	App	propriation FY27	App	oropriation FY28		
Sewer Rate	\$ -	\$	-	\$	-	\$	-	\$	-	\$	885,032	\$	885,032
	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Funding Sources	\$ -	\$	-	\$	-	\$	-	\$	-	\$	885,032	\$	885,032

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