



# FISCAL YEAR 2024-25

ADOPTED BUDGET



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## Message from the General Manager

On behalf of the Trabuco Canyon Water District (TCWD), I am pleased to present the Fiscal Year (FY) 2024-25 budget to our customers and stakeholders.

Recent milestones have set the District on a path towards long-term financial sustainability and have begun to address the need for intergenerational investment into aging infrastructure. A new five-year schedule of rates and charges for water, sewer, and recycled water services was adopted by the Board of Directors, effective July 1, 2023. The District recently secured \$20.5 million in loan proceeds, refinancing existing short-term debt and supporting critical infrastructure investments to ensure the safety and reliability of TCWD's services. In addition, the District was awarded a combined \$956,000 in federal and state funding for the construction of the Dove and Tick Creek Pump Station Improvements Drought Resiliency Project, which will offset most of the total estimated project cost of \$1.1 million.

This budget demonstrates the District's commitment to fiscal responsibility and controlling operating costs. For the second consecutive year, above-average rainfall supplied groundwater to the Trabuco Creek Wells Facility, replacing costly Colorado River water purchased through the Metropolitan Water District of Southern California (MET). In 2023, TCWD produced a record 173 million gallons of groundwater, or roughly one-quarter of the total drinking water demand. This year, groundwater production totaled 147 million gallons. The District has realized approximately \$860,000 in water supply cost savings through Wells Facility production over the past two years.

During FY 2024-25, the District is focused on advancing and delivering capital improvement projects on time and within budget despite unprecedented construction cost inflation, procurement delays, and other residual impacts from the pandemic. Prioritizing capital projects will reduce the consequences of unplanned repairs, service interruptions, facility failures, and delayed response to emergencies like wildfires, that come with aging facilities. Several major projects will be completed in FY 2024-25 including the \$3.5 million Supervisory Control Data and Acquisition (SCADA) modernization to improve the safety and efficiency of system operations, and the \$2.3 million final phase of Golf Club Sewer Lift Station rehabilitation.

I would like to thank the Board of Directors for their leadership and commitment to maintaining the District's high level of quality and reliability of service to our customers. I would also like to complement TCWD's employees for their dedication to fulfilling the District's mission 24/7 year-round. Finally, on behalf of the Board and the employees, thank you to our valued ratepayers; we are proud to provide safe and reliable water and wastewater services to you.



**Fernando Paludi, P.E.**  
General Manager

# District Information



## Mission Statement

It is the purpose of the Trabuco Canyon Water District, a public service agency, to provide:

- Service to our customers which instills trust regarding the quality and quantity of the water supply
- Reliable service for collection, treatment, and reuse of wastewater
- A work environment where safety and health of employees and customers is our paramount concern
- Information to our customers to foster and maintain a well-informed community
- Cost effective and efficient services in a courteous manner.

## District Services

TCWD is a public agency with a diversified portfolio of water resource management solutions and practices for the customers in its service area. In addition to the provision of safe drinking water to approximately 14,000 residents, TCWD manages the sanitary sewer system in the master planned communities on the Upper Plano, collecting and treating wastewater to recycled water standards for irrigation service, thereby conserving drinking water and offsetting the purchase of expensive imported water. The District is also committed to capturing and reusing dry-weather urban runoff and stormwater. The District serves portions of the Cities of Rancho Santa Margarita, Mission Viejo and Lake Forest, as well as unincorporated County communities in the foothills of the Santa Ana Mountains.



## Board of Directors

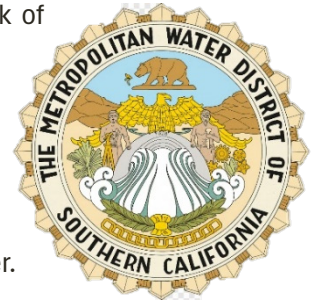
Incorporated in 1962, TCWD is an independent County Water District governed by a five-member publicly elected Board of Directors who are responsible for District policies and decision making on a large range of issues. The Board's policies are administered and implemented by the General Manager, who is appointed by the Board. Public elections are held every two years and Directors serve four-year terms.

Board Organization for CY 2024	
<b>President</b>	Stephen Dopudja
<b>Vice-President</b>	Edward Mandich
<b>Director</b>	Glenn Acosta
<b>Director</b>	Don Chadd
<b>Director</b>	Michael Safranski

## Potable Water Services

Trabuco Canyon Water District provides potable or drinking water to a population of approximately 14,000 throughout its 8,200-acre service area.

The District receives its water from multiple sources, including local groundwater from Trabuco Creek, treated and untreated imported water from the Metropolitan Water District of Southern California (MET), and treated water from the District's capacity interest in the Baker Water Treatment Plant (BWTP). The bulk of District import water is sourced through MET untreated surface water from the Colorado River which is filtered and treated at the Dimension Water Treatment Plant. The District's local groundwater is treated at the Trabuco Creek Groundwater Treatment Facility, and MET treated water is received through interconnections with Irvine Ranch Water District (IRWD) and Santa Margarita Water District (SMWD). BWTP is operated by Irvine Ranch Water District and treats both MET untreated water and Irvine Lake water.



To distribute drinking water throughout the distribution system, the District has eight pump stations, seven treated water storage reservoirs, and approximately 66 miles of pipelines.



Trabuco Creek Wells Facility

## Wastewater Collection

The District’s wastewater collection system includes approximately 36 miles of sewer pipelines and interceptors ranging from 8 inches to 15 inches in diameter, 8 sewer lift stations, and 9 miles of force mains. The District owns and operates the Robinson Ranch Wastewater Treatment Plant (RRWWTP) that recycles wastewater collected from developments on the east side of the service area. The RRWWTP is located adjacent to the Robinson Ranch development has a treatment capacity of 850,000 gallons per day. Due primarily to indoor water conservation efforts by TCWD customers, the volume of wastewater collected is trending downward and recycled water production from the RRWWTP is averaging approximately 480,000 gallons per day. The recycled water reservoir adjacent to the plant has a storage capacity of 42 million gallons. Wastewater collected from communities on the west side of the District along El Toro Road is pumped to the Santa Margarita Water District through the El Toro Trunk Sewer System owned by the District, including the El Toro Sewer Lift Station.

## Recycled Water and Urban Runoff Recovery

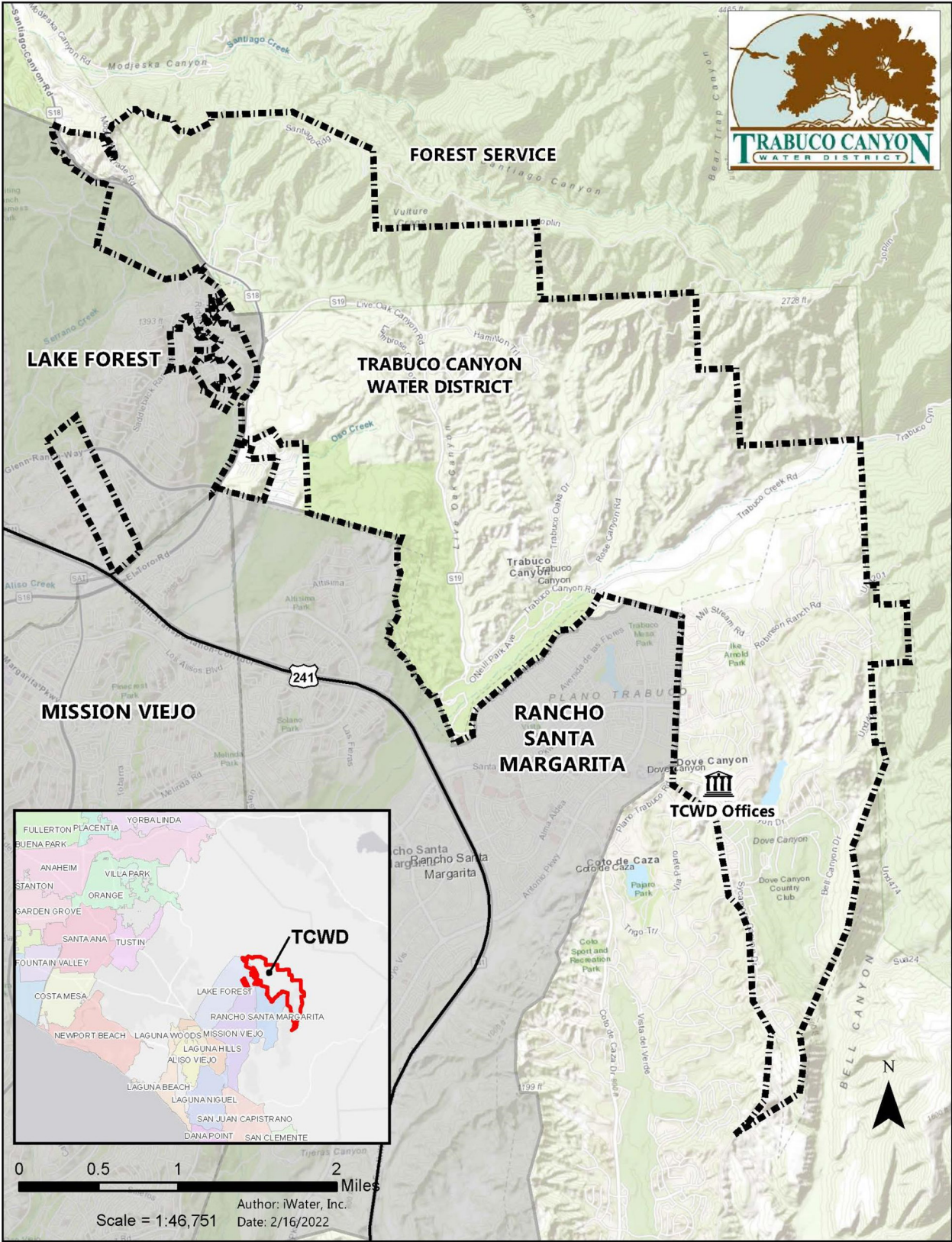
Recycled water is highly treated wastewater produced at the RRWWTP. The purification process removes solids and contaminants through a series of processes known as primary, secondary, and tertiary treatment. All recycled water produced by TCWD meets the recycled water quality requirements for California as established by Title 22 of the California Code of Regulations, administered by the State Water Resources Control Board. Recycled water is a reliable and drought-proof source of supply for landscape irrigation, conserving drinking water and reducing the District's reliance on imported water supplies. Recycled water is used to irrigate parks, golf courses, and greenbelts in Robinson Ranch, Trabuco Highlands, and Dove Canyon Communities through a system that includes two pump stations and over five (5) miles of “purple pipe”.

Because demand for non-potable irrigation water can exceed the District’s recycled water production capacity, particularly in lengthier dry seasons, the District has invested in the ability to supplement the recycled water system with local runoff from the Urban Runoff Capture and Reuse System. Dry-weather and storm water runoff from most of Trabuco Highlands, Robinson Ranch and Dove Canyon communities is captured in Dove Lake, and can be conveyed when needed to the recycled water reservoir. Smaller facilities outside the



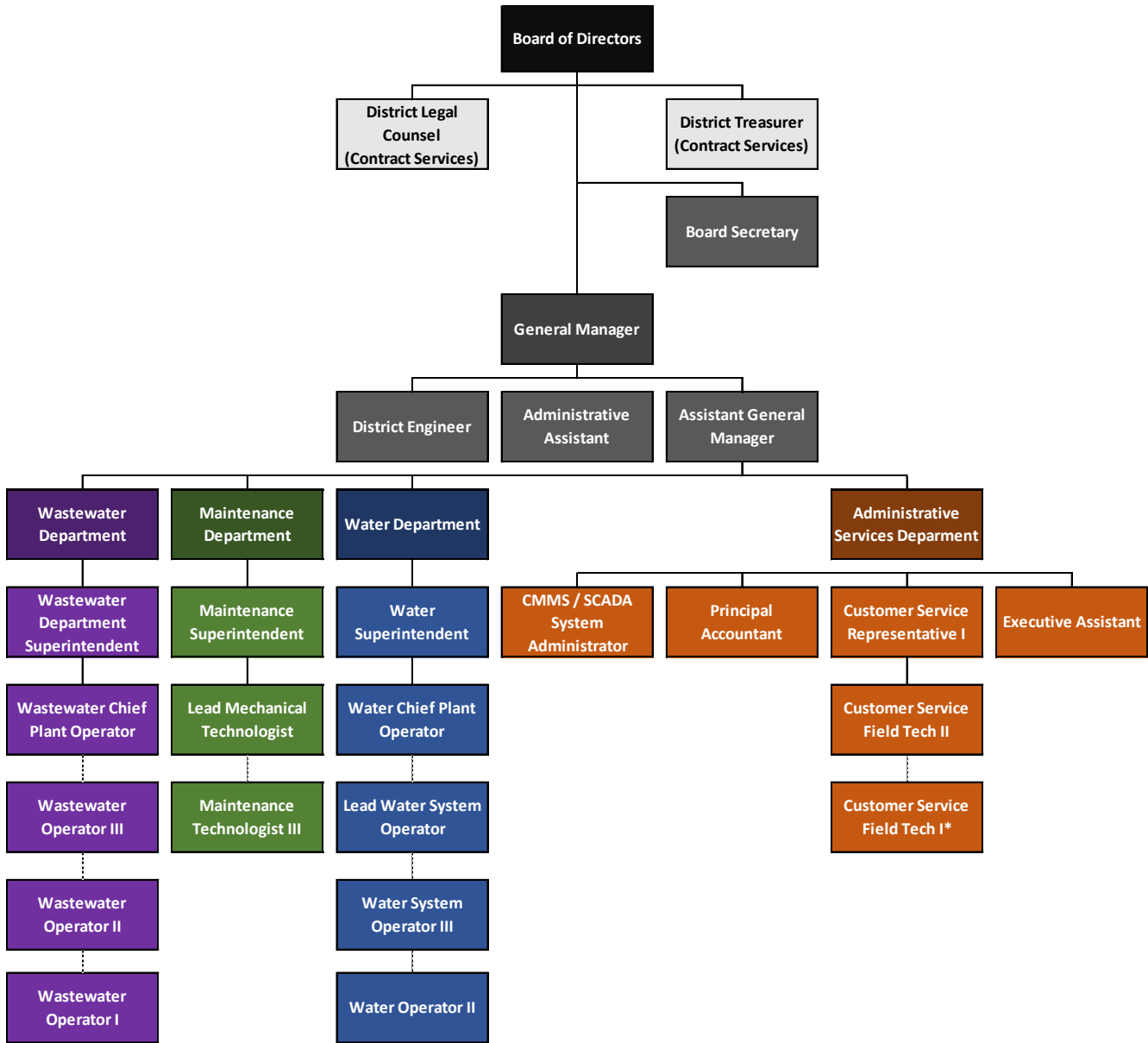
Dove Lake watershed, including Shadow Rock Pump Station in Trabuco Highlands, and Dove and Tick Creek Outfall Pump Stations at the southern end of Dove Canyon Golf Course, can pump back to Dove Lake. All recycled wastewater and urban runoff reused through these systems represents conservation of drinking water and avoided purchases of imported water from the Metropolitan Water District.

# Service Area Map



# Organization Chart

The following chart outlines organization of District personnel and key outsourced services, effective July 1, 2024, which is included in the Fiscal Year 2024-25 salaries and benefits budget. The FY 2024-25 budget includes 23 regular full-time positions. As it appears on the organization chart, the “Board Secretary” is a function and not a separate position. An asterisk next to a position denotes a position vacancy at the time of budget preparation.



# Budget Summary FY 2024-25



## District Budget Summary

The District financial summary displays the total impact of the FY 2024-25 budget on the District's cash position after all revenues, expenses, and other items are taken into consideration. It includes all combined activities from the water fund, wastewater fund, and recycled water fund. In addition, it provides context of FY 2022-23 actual results, the FY 2023-24 adopted budget, and projected year-end for FY 2023-24. Highlights of the District-wide financials are noted below and followed by the district-wide financial summary table.

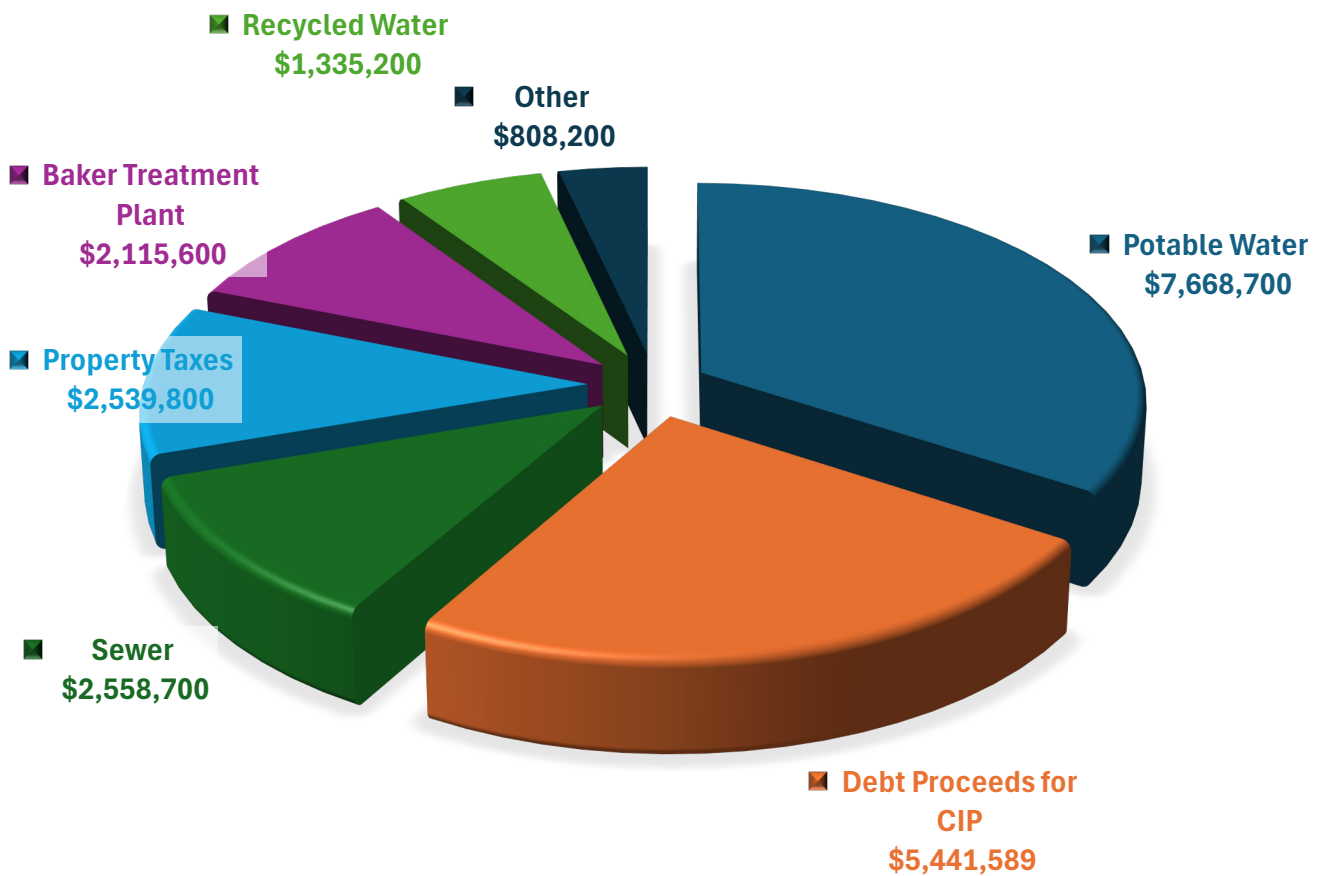
- Operating revenues have increased from prior years primarily due to the new 5-year rate schedule adopted by the Board of Directors, effective July 1, 2023.
- Source of Supply expenses have increased primarily due to the 8.5% overall rate increase adopted by the Metropolitan Water District for imported water purchases, effective January 1, 2025.
- Salaries & Benefits expenses have increased to reflect cost-of-living adjustments and the rising costs of healthcare insurance benefits.
- Debt proceeds include approximately \$5.4 million in loan proceeds that will be used to fund CIP during FY 2024-25.
- Debt-Service Payments are budgeted to increase from FY 2023-24 projected year-end due to execution of the 2024 installment loan to refinance short-term debt and fund CIP.
- Overall, the District is budgeted for positive cash flow during FY 2024-25. The ending cash balance is projected near \$11.2 million, an increase from the \$9.1 million projected for FY 2023-24 year-end.

	FY 2022-23 Year-End Actual	FY 2023-24 Adopted Budget	FY 2023-24 Projected Year-End	FY 2024-25 Adopted Budget
Operating Revenue	10,262,123	12,442,100	12,514,900	14,125,200
Source of Supply	4,024,250	4,466,300	4,382,300	4,904,400
Salaries & Benefits	4,459,791	5,101,200	4,539,500	5,344,100
Transmission & Distribution	1,591,081	1,455,500	1,488,900	1,581,600
General & Administrative	1,789,230	1,912,400	2,178,200	2,218,000
Total Operating Expense	11,864,352	12,935,400	12,588,900	14,048,100
<b>Net Operating Revenue / (Expense)</b>	<b>(1,602,229)</b>	<b>(493,300)</b>	<b>(74,000)</b>	<b>77,100</b>
Net Non-Operating Revenue / (Expense)	2,465,702	2,782,100	2,775,000	2,882,900
<b>Net Revenue / (Expense)</b>	<b>863,473</b>	<b>2,288,800</b>	<b>2,701,000</b>	<b>2,960,000</b>
Debt Proceeds	4,364,786	4,512,000	2,666,216	5,441,589
Grant Proceeds	506,804	-	-	-
Development Impact Fees	40,795	-	-	-
Capital Improvement Program	(4,691,575)	(4,512,000)	(2,666,216)	(5,441,589)
Debt Service Payments	(376,187)	(1,536,600)	(374,900)	(881,600)
<b>Change in Cash</b>	<b>708,097</b>	<b>752,200</b>	<b>2,326,100</b>	<b>2,078,400</b>
Projected Beginning Cash			6,785,016	9,111,116
<b>Projected Ending Cash</b>			<b>9,111,116</b>	<b>11,189,516</b>

## Revenue Summary

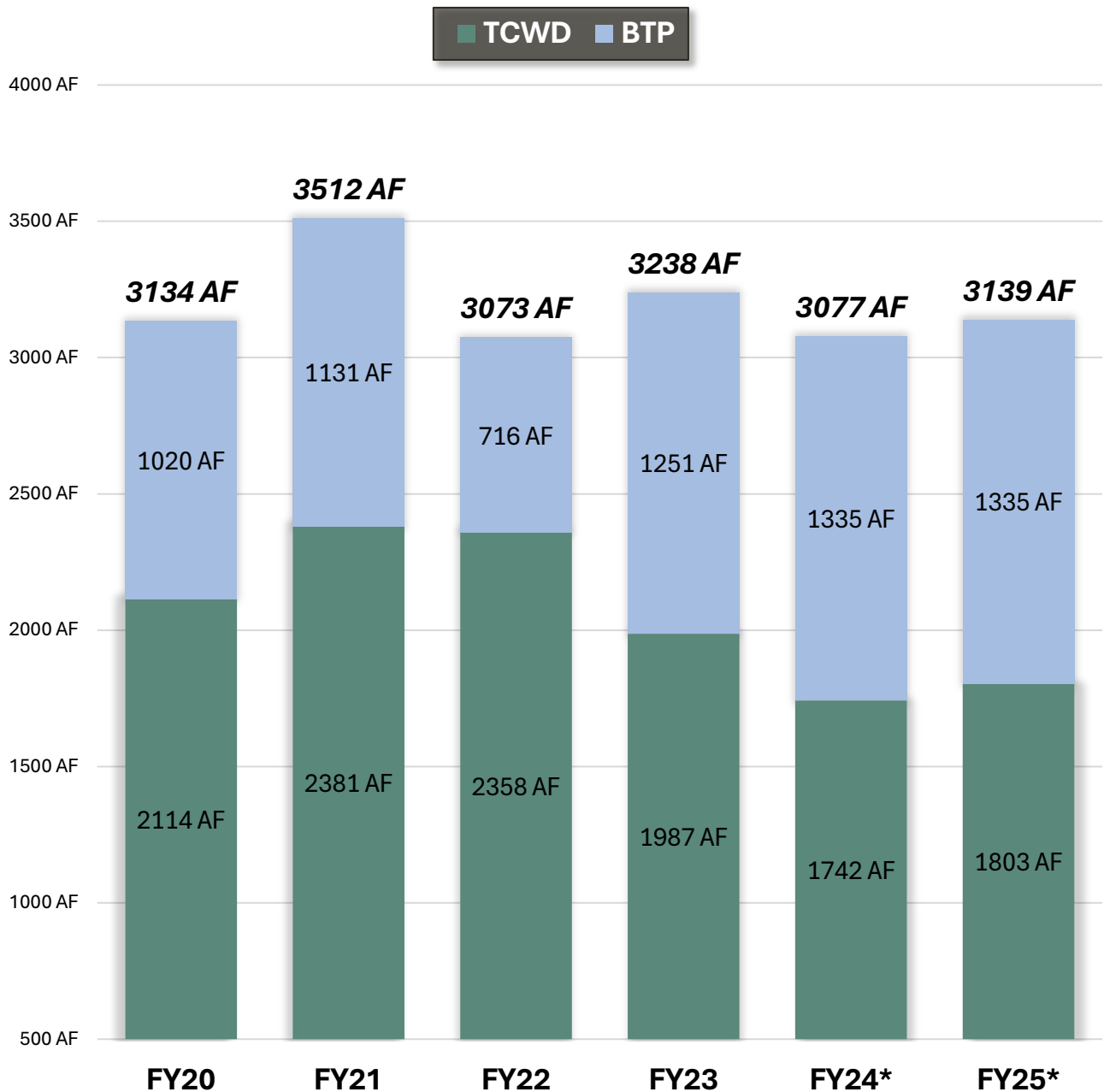
The fiscal year 2024-25 budget is supported by total District revenues of approximately \$22.5 million, which includes revenues from all sources, including debt proceeds utilized on the Capital Improvement Program (CIP). Ongoing District revenues are derived predominantly from rates and charges to customers for water, sewer, and recycled water services. A new five-year schedule of rates and charges for water, sewer, and recycled water services was adopted by the Board of Directors, effective July 1, 2023. Other sources of revenue include debt proceeds, property taxes, Baker Treatment Plant water sales to outside water purveyors, and other miscellaneous sources such as cell site leases and investments.

**\$22,467,789 Total Revenue**



## Potable Water Consumption History

The largest source of District revenue is derived through potable water sales, which is split into fixed and variable charges. Variable charges correlate to the volume of water sold. Sales of potable or drinking water for indoor and outdoor use, including landscape irrigation, comprise nearly two-thirds of all revenue from customer charges. Roughly 54% of potable water sales are sourced through volumetric sales, which can cause fluctuations in variable potable water revenue, particularly in recent years with above average rainfall or in years of drought. The chart below displays historical consumption data for reference. FY 2023-24 and FY 2024-25 include projected amounts as actual data was not available at the time of budget adoption. Potable water consumption is comprised of District customer consumption (green) and Baker Treatment Plant water sold to external agencies (blue).



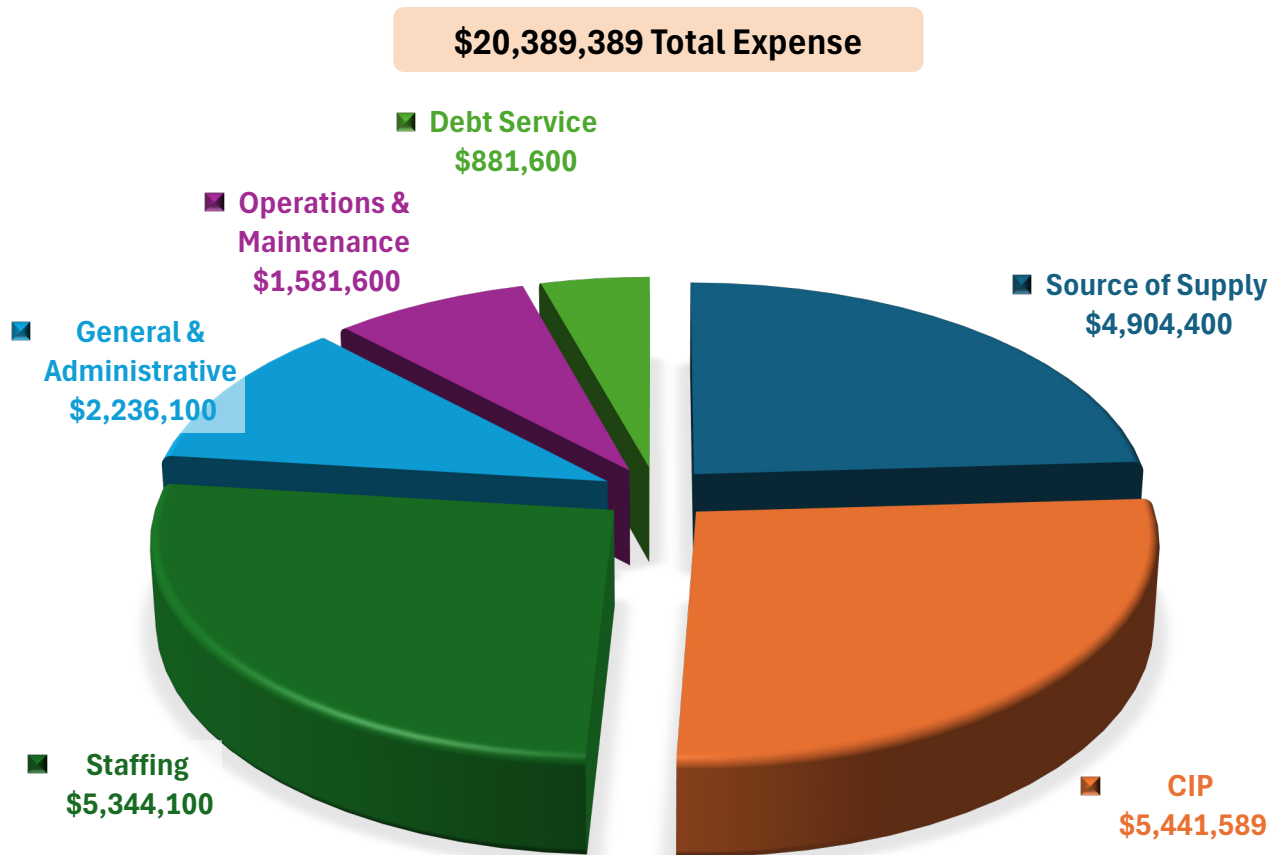
## Recycled Water Consumption History

TCWD reuses 100% of the sewage or wastewater collected within its service territory east of Plano Trabuco Road. This recycled water produced at the Robinson Ranch Wastewater Treatment Plant is augmented by natural urban runoff captured through a network of basins and Dove Canyon Lake and used for landscape irrigation by several Homeowners Associations (HOAs). Recycled water represents 100% conservation of potable or drinking water supplies, which would otherwise be used for irrigation. Recycled water supplies are limited and carefully managed by operations personnel to maximize its benefit. The chart below displays historical recycled water consumption. FY 2023-24 and FY 2024-25 are projected amounts as actual data was not available at the time of budget preparation.



## Expense Summary

The fiscal year 2024-25 budget allocates total District expenses of approximately \$20.4 million, which includes all expenses, including the Capital Improvement Program. Expenses are primarily driven by CIP, water supply, and staffing resources. The District actively manages water supply costs by pumping groundwater after abundant wet weather or purchasing less expensive raw Colorado River water through Metropolitan Water District. The District treats raw water to drinking or potable water standards at the Dimension Water Treatment Plant (DWTP). Treated water is also available for direct purchase from neighboring agency interconnections. The District is invested in long-term water reliability by purchasing capacity in the regional Baker Water Treatment Plant (BTP). Staffing costs are managed through a hybrid staffing strategy whereby the District contracts externally for professional services while minimizing costly benefits such as health insurance and long-term pensions associated with internal full-time staff.



# Budget Detail by Fund FY 2024-25



# District Budget Detail

	FY 2022-23 Year-End Actual	FY 2023-24 Adopted Budget	FY 2023-24 Projected Year-End	FY 2024-25 Adopted Budget
<b>1 Operating Revenue</b>				
2 Fixed / Capital Service Charges	\$ 2,218,815	\$ 3,255,200	\$ 3,263,400	\$ 3,694,400
3 Variable Consumption Charges	4,393,825	4,973,800	4,568,900	5,309,500
4 Baker Treatment Plant Water Sales	1,629,310	1,560,500	2,037,200	2,115,600
5 Sewer Residential Charges	1,749,637	1,933,800	1,984,100	2,301,500
6 Sewer Commercial Charges	175,326	189,800	221,700	257,200
7 Customer Fees	484,902	527,200	434,900	447,200
8 Standby Charges	27,224	32,300	37,900	37,900
9 Uncollectable Accounts	(416,915)	(30,500)	(33,200)	(38,100)
<b>10 Total Operating Revenue</b>	<b>10,262,123</b>	<b>12,442,100</b>	<b>12,514,900</b>	<b>14,125,200</b>
<b>11 Operating Expense</b>				
<b>12 Source of Supply</b>				
13 Variable Water Purchases	1,720,390	2,015,100	1,889,400	2,210,900
14 Fixed Water Purchases	293,594	348,900	350,000	406,300
15 Baker Treatment Plant Water Sold	1,287,289	1,338,400	1,493,900	1,578,700
16 Recycled Water Purchases	27,462	25,900	28,000	33,300
17 Water Treatment	434,218	493,700	305,400	334,400
18 Pumping Electricity	261,297	244,300	315,600	340,800
<b>19 Total Source of Supply</b>	<b>4,024,250</b>	<b>4,466,300</b>	<b>4,382,300</b>	<b>4,904,400</b>
<b>20 Salaries and Benefits</b>				
21 Employee/Director Wages	2,915,792	3,147,700	2,925,600	3,479,100
22 Employee/Director Benefits	684,359	821,500	717,700	842,000
23 Retiree Health Insurance	0	164,700	188,600	256,200
24 OPEB Trust Reimbursement	-	-	(188,600)	(256,200)
25 CalPERS Retirement (Normal)	388,923	463,800	434,400	498,500
26 CalPERS Unfunded Accrued Liability (Minimum)	273,674	267,500	258,900	269,200
27 Payroll Taxes	197,042	236,000	202,900	255,300
<b>28 Total Salaries and Benefits</b>	<b>4,459,791</b>	<b>5,101,200</b>	<b>4,539,500</b>	<b>5,344,100</b>
<b>29 Transmission and Distribution</b>				
30 System Repairs and Maintenance	790,670	583,900	592,400	621,900
31 T&D Electricity	437,465	478,300	571,800	617,500
32 Vehicles and Equipment	139,563	149,100	127,800	134,900
33 Safety, Supplies and Testing	223,383	244,200	196,900	207,300
<b>34 Total Transmission and Distribution</b>	<b>1,591,081</b>	<b>1,455,500</b>	<b>1,488,900</b>	<b>1,581,600</b>
<b>35 General and Administrative</b>				
36 Professional Services	701,381	735,100	777,800	909,200
37 Office Maintenance, Supplies and Software	483,936	497,500	511,400	540,600
38 District Insurance	136,174	160,700	166,600	196,700
39 Dues and Memberships	231,448	254,000	247,500	261,500
40 Public Outreach	88,503	125,200	153,900	161,600
41 Customer Service and Billing	89,442	91,600	97,600	102,600
42 Debt Issuance Costs	-	-	180,000	-
43 Conference, Trainings and Travel	58,346	48,300	43,400	45,800
<b>44 Total General and Administrative</b>	<b>1,789,230</b>	<b>1,912,400</b>	<b>2,178,200</b>	<b>2,218,000</b>
<b>45 Total Operating Expense</b>	<b>11,864,352</b>	<b>12,935,400</b>	<b>12,588,900</b>	<b>14,048,100</b>
<b>46 Net Operating Revenue / (Expense)</b>	<b>(1,602,229)</b>	<b>(493,300)</b>	<b>(74,000)</b>	<b>77,100</b>
<b>47 Non-Operating Revenue / (Expense)</b>				
48 Property Tax Revenue	2,203,522	2,490,100	2,490,100	2,539,800
49 Interest Revenue - Unrestricted	137,848	243,000	248,400	248,400
50 Interest Revenue - Restricted	69,609	-	40,400	40,400
51 Other Revenue and Reimbursements	66,504	63,500	162,800	72,400
52 Miscellaneous Expense	(11,780)	(14,500)	(166,700)	(18,100)
<b>53 Net Non-Operating Revenue / (Expense)</b>	<b>2,465,702</b>	<b>2,782,100</b>	<b>2,775,000</b>	<b>2,882,900</b>
<b>54 Net Revenue / (Expense)</b>	<b>863,473</b>	<b>2,288,800</b>	<b>2,701,000</b>	<b>2,960,000</b>
55 Transfer In - Debt Proceeds for Capital	4,364,786	4,512,000	2,666,216	5,441,589
56 Grant Proceeds	506,804	-	-	-
56 Development Impact Fee Receipts	40,795	-	-	-
57 Capital Improvement Program	(4,691,575)	(4,512,000)	(2,666,216)	(5,441,589)
58 Debt Service - Principal and Interest	(376,187)	(1,536,600)	(374,900)	(881,600)
<b>59 Change in Cash</b>	<b>\$ 708,097</b>	<b>\$ 752,200</b>	<b>\$ 2,326,100</b>	<b>\$ 2,078,400</b>

# Water Fund Budget Detail

	FY 2022-23 Year-End Actual	FY 2023-24 Adopted Budget	FY 2023-24 Projected Year-End	FY 2024-25 Adopted Budget
<b>1 Operating Revenue</b>				
2 Fixed / Capital Service Charges	\$ 2,138,543	\$ 3,113,000	\$ 3,126,400	\$ 3,532,800
3 Variable Consumption Charges	3,566,263	3,978,400	3,597,200	4,135,900
4 Baker Treatment Plant Water Sales	1,629,310	1,560,500	2,037,200	2,115,600
5 Customer Fees	241,524	238,800	149,000	149,000
6 Standby Charges	27,224	32,300	37,900	37,900
7 Uncollectable Accounts	(154,758)	(23,000)	(22,200)	(25,300)
<b>8 Total Operating Revenue</b>	<b>7,448,106</b>	<b>8,900,000</b>	<b>8,925,500</b>	<b>9,945,900</b>
<b>9 Operating Expense</b>				
<b>10 Source of Supply</b>				
11 Variable Water Purchases	1,720,390	2,015,100	1,889,400	2,210,900
12 Fixed Water Purchases	293,594	348,900	350,000	406,300
13 Baker Treatment Plant Water Sold	1,287,289	1,338,400	1,493,900	1,578,700
14 Water Treatment	351,136	394,300	197,000	213,000
15 Pumping Electricity	261,297	244,300	315,600	340,800
<b>16 Total Source of Supply</b>	<b>3,913,706</b>	<b>4,341,000</b>	<b>4,245,900</b>	<b>4,749,700</b>
<b>17 Salaries and Benefits</b>				
18 Employee/Director Wages	1,919,088	1,954,800	1,829,200	2,191,700
19 Employee/Director Benefits	451,407	510,400	476,800	547,700
20 Retiree Health Insurance	0	115,300	132,000	179,300
21 OPEB Trust Reimbursement	-	-	(132,000)	(179,300)
22 CalPERS Retirement (Normal)	282,015	323,400	305,000	349,500
23 CalPERS Unfunded Accrued Liability (Minimum)	178,353	170,300	164,800	171,400
24 Payroll Taxes	137,665	146,000	142,000	160,900
<b>25 Total Salaries and Benefits</b>	<b>2,968,529</b>	<b>3,220,200</b>	<b>2,917,800</b>	<b>3,421,200</b>
<b>26 Transmission and Distribution</b>				
27 System Repairs and Maintenance	328,552	258,700	192,200	201,800
28 Vehicles and Equipment	90,419	101,200	85,500	90,300
29 Safety, Supplies and Testing	48,625	45,400	74,800	78,600
<b>30 Total Transmission and Distribution</b>	<b>467,597</b>	<b>405,300</b>	<b>352,500</b>	<b>370,700</b>
<b>31 General and Administrative</b>				
32 Professional Services	487,088	513,400	531,100	635,500
33 Office Maintenance, Supplies and Software	283,554	310,600	314,600	330,900
34 District Insurance	92,645	109,300	116,600	137,600
35 Dues and Memberships	78,995	95,400	95,400	101,200
36 Public Outreach	77,262	103,300	131,700	138,300
37 Customer Service and Billing	68,684	68,400	74,000	77,800
38 Debt Issuance Costs	-	-	126,000	-
39 Conference, Trainings and Travel	40,938	34,100	30,300	31,900
<b>40 Total General and Administrative</b>	<b>1,129,166</b>	<b>1,234,500</b>	<b>1,419,700</b>	<b>1,453,200</b>
<b>41 Total Operating Expense</b>	<b>8,478,997</b>	<b>9,201,000</b>	<b>8,935,900</b>	<b>9,994,800</b>
<b>42 Net Operating Revenue / (Expense)</b>	<b>(1,030,892)</b>	<b>(301,000)</b>	<b>(10,400)</b>	<b>(48,900)</b>
<b>43 Non-Operating Revenue / (Expense)</b>				
44 Property Tax Revenue	1,101,761	1,125,000	1,125,000	1,147,500
45 Interest Revenue - Unrestricted	40,909	115,700	31,000	31,000
46 Interest Revenue - Restricted	69,332	-	40,400	40,400
47 Other Revenue and Reimbursements	55,359	54,400	108,300	59,200
48 Miscellaneous Expense	(5,890)	(6,200)	(111,900)	(6,500)
<b>49 Net Non-Operating Revenue / (Expense)</b>	<b>1,261,470</b>	<b>1,288,900</b>	<b>1,192,800</b>	<b>1,271,600</b>
<b>50 Net Revenue / (Expense)</b>	<b>230,579</b>	<b>987,900</b>	<b>1,182,400</b>	<b>1,222,700</b>
51 Transfer In - Debt Proceeds for Capital	2,726,482	1,206,000	961,100	903,700
52 Grant Proceeds	504,764	-	-	-
53 Development Impact Fee Receipts	40,795	-	-	-
54 Capital Improvement Program	(2,989,709)	(1,206,000)	(961,100)	(903,700)
55 Debt Service - Principal and Interest	(332,445)	(901,100)	(331,600)	(526,500)
<b>56 Change in Cash</b>	<b>\$ 180,465</b>	<b>\$ 86,800</b>	<b>\$ 850,800</b>	<b>\$ 696,200</b>

# Sewer Fund Budget Detail

	FY 2022-23 Year-End Actual	FY 2023-24 Adopted Budget	FY 2023-24 Projected Year-End	FY 2024-25 Adopted Budget
<b>1 Operating Revenue</b>				
2 Sewer Residential Charges	\$ 1,749,637	\$ 1,933,800	\$ 1,984,100	\$ 2,301,500
3 Sewer Commercial Charges	175,326	189,800	221,700	257,200
4 Customer Fees	236,823	281,100	274,600	284,600
5 Uncollectable Accounts	(240,016)	(3,500)	(7,300)	(8,400)
<b>6 Total Operating Revenue</b>	<b>1,921,769</b>	<b>2,401,200</b>	<b>2,473,100</b>	<b>2,834,900</b>
<b>7 Operating Expense</b>				
<b>8 Salaries and Benefits</b>				
9 Employee/Director Wages	803,354	961,500	883,600	1,038,200
10 Employee/Director Benefits	173,291	235,700	181,500	227,700
11 Retiree Health Insurance	-	41,200	47,200	64,100
12 OPEB Trust Reimbursement	-	-	(47,200)	(64,100)
13 CalPERS Retirement (Normal)	88,052	115,600	106,600	122,600
14 CalPERS Unfunded Accrued Liability (Minimum)	77,751	79,200	76,700	79,800
15 Payroll Taxes	49,436	73,200	50,700	76,800
<b>16 Total Salaries and Benefits</b>	<b>1,191,884</b>	<b>1,506,400</b>	<b>1,299,100</b>	<b>1,545,100</b>
<b>17 Transmission and Distribution</b>				
18 System Repairs and Maintenance	411,488	295,600	360,600	378,700
19 T&D Electricity	180,934	196,300	255,800	276,300
20 Vehicles and Equipment	40,222	39,300	34,500	36,400
21 Safety, Supplies and Testing	30,893	41,200	16,500	17,900
<b>22 Total Transmission and Distribution</b>	<b>663,538</b>	<b>572,400</b>	<b>667,400</b>	<b>709,300</b>
<b>23 General and Administrative</b>				
24 Professional Services	174,626	184,900	200,700	228,100
25 Office Maintenance, Supplies and Software	172,846	159,300	168,000	179,300
26 District Insurance	36,147	42,600	41,600	49,100
27 Dues and Memberships	122,946	122,000	115,500	121,700
28 Public Outreach	9,367	18,300	18,600	19,500
29 Customer Service and Billing	17,298	19,200	19,600	20,600
30 Debt Issuance Costs	-	-	45,000	-
31 Conference, Trainings and Travel	14,507	12,000	10,900	11,500
<b>32 Total General and Administrative</b>	<b>547,736</b>	<b>558,300</b>	<b>619,900</b>	<b>629,800</b>
<b>33 Total Operating Expense</b>	<b>2,403,157</b>	<b>2,637,100</b>	<b>2,586,400</b>	<b>2,884,200</b>
<b>34 Net Operating Revenue / (Expense)</b>	<b>(481,388)</b>	<b>(235,900)</b>	<b>(113,300)</b>	<b>(49,300)</b>
<b>35 Non-Operating Revenue / (Expense)</b>				
36 Property Tax Revenue	793,268	1,030,300	1,030,300	1,050,900
37 Interest Revenue - Unrestricted	84,694	105,500	192,600	192,600
38 Other Revenue and Reimbursements	9,282	7,300	49,700	11,000
39 Miscellaneous Expense	(4,240)	(7,200)	(51,000)	(7,600)
<b>40 Net Non-Operating Revenue / (Expense)</b>	<b>883,281</b>	<b>1,135,900</b>	<b>1,221,600</b>	<b>1,246,900</b>
<b>41 Net Revenue / (Expense)</b>	<b>401,893</b>	<b>900,000</b>	<b>1,108,300</b>	<b>1,197,600</b>
42 Transfer In - Debt Proceeds for Capital	1,294,014	2,979,500	1,565,700	4,086,200
43 Grant Proceeds	1,700	-	-	-
44 Development Impact Fee Receipts	-	-	-	-
45 Capital Improvement Program	(1,346,981)	(2,979,500)	(1,565,700)	(4,086,200)
46 Debt Service - Principal and Interest	(36,451)	(554,100)	(36,100)	(304,100)
<b>47 Change in Cash</b>	<b>\$ 314,174</b>	<b>\$ 345,900</b>	<b>\$ 1,072,200</b>	<b>\$ 893,500</b>

# Recycled Fund Budget Detail

	FY 2022-23 Year-End Actual	FY 2023-24 Adopted Budget	FY 2023-24 Projected Year-End	FY 2024-25 Adopted Budget
<b>1 Operating Revenue</b>				
2 Fixed / Capital Service Charges	\$ 80,272	\$ 142,200	\$ 137,000	\$ 161,600
3 Variable Consumption Charges	827,562	995,400	971,700	1,173,600
4 Customer Fees	6,556	7,300	11,300	13,600
5 Uncollectable Accounts	(22,141)	(4,000)	(3,700)	(4,400)
<b>6 Total Operating Revenue</b>	<b>892,248</b>	<b>1,140,900</b>	<b>1,116,300</b>	<b>1,344,400</b>
<b>7 Operating Expense</b>				
<b>8 Source of Supply</b>				
9 Recycled Water Purchases	27,462	25,900	28,000	33,300
10 Water Treatment	83,082	99,400	108,400	121,400
<b>11 Total Source of Supply</b>	<b>110,544</b>	<b>125,300</b>	<b>136,400</b>	<b>154,700</b>
<b>12 Salaries and Benefits</b>				
13 Employee/Director Wages	193,351	231,400	212,800	249,200
14 Employee/Director Benefits	59,661	75,400	59,400	66,600
15 Retiree Health Insurance	-	8,200	9,400	12,800
16 OPEB Trust Reimbursement	-	-	(9,400)	(12,800)
17 CalPERS Retirement (Normal)	18,857	24,800	22,800	26,400
18 CalPERS Unfunded Accrued Liability (Minimum)	17,570	18,000	17,400	18,000
19 Payroll Taxes	9,940	16,800	10,200	17,600
<b>20 Total Salaries and Benefits</b>	<b>299,379</b>	<b>374,600</b>	<b>322,600</b>	<b>377,800</b>
<b>21 Transmission and Distribution</b>				
22 System Repairs and Maintenance	50,629	29,600	39,600	41,400
23 T&D Electricity	256,531	282,000	316,000	341,200
24 Vehicles and Equipment	8,922	8,600	7,800	8,200
25 Safety, Supplies and Testing	143,864	157,600	105,600	110,800
<b>26 Total Transmission and Distribution</b>	<b>459,947</b>	<b>477,800</b>	<b>469,000</b>	<b>501,600</b>
<b>27 General and Administrative</b>				
28 Professional Services	39,667	36,800	46,000	45,600
29 Office Maintenance, Supplies and Software	27,536	27,600	28,800	30,400
30 District Insurance	7,382	8,800	8,400	10,000
31 Dues and Memberships	29,508	36,600	36,600	38,600
32 Public Outreach	1,873	3,600	3,600	3,800
33 Customer Service and Billing	3,460	4,000	4,000	4,200
34 Debt Issuance Costs	-	-	9,000	-
35 Conference, Trainings and Travel	2,901	2,200	2,200	2,400
<b>36 Total General and Administrative</b>	<b>112,328</b>	<b>119,600</b>	<b>138,600</b>	<b>135,000</b>
<b>37 Total Operating Expense</b>	<b>982,198</b>	<b>1,097,300</b>	<b>1,066,600</b>	<b>1,169,100</b>
<b>38 Net Operating Revenue / (Expense)</b>	<b>(89,950)</b>	<b>43,600</b>	<b>49,700</b>	<b>175,300</b>
<b>39 Non-Operating Revenue / (Expense)</b>				
40 Property Tax Revenue	308,493	334,800	334,800	341,400
41 Interest Revenue - Unrestricted	12,244	21,800	24,800	24,800
42 Other Revenue and Reimbursements	1,864	1,800	4,800	2,200
43 Miscellaneous Expense	(1,650)	(1,100)	(3,800)	(4,000)
<b>44 Net Non-Operating Revenue / (Expense)</b>	<b>320,951</b>	<b>357,300</b>	<b>360,600</b>	<b>364,400</b>
<b>45 Net Revenue / (Expense)</b>	<b>231,002</b>	<b>400,900</b>	<b>410,300</b>	<b>539,700</b>
46 Transfer In - Debt Proceeds for Capital	344,291	326,500	139,400	451,600
47 Grant Proceeds	340	-	-	-
48 Development Impact Fee Receipts	-	-	-	-
49 Capital Improvement Program	(354,885)	(326,500)	(139,400)	(451,600)
50 Debt Service - Principal and Interest	(7,290)	(81,400)	(7,200)	(51,000)
<b>51 Change in Cash</b>	<b>\$ 213,458</b>	<b>\$ 319,500</b>	<b>\$ 403,100</b>	<b>\$ 488,700</b>

# Capital Improvement Program FY 2024-25



# District Capital Improvement Program

The District's Capital Improvement Program is a multi-year plan that identifies, prioritizes, and budgets for capital projects that construct, maintain, improve, and replace the District's water, sewer, and recycled water infrastructure to ensure safe and reliable service to customers. CIP also includes purchases of fixed assets and equipment. The total estimated CIP budget for FY 2024-25 is \$5.442 million. Individual CIP projects for FY 2024-25 are described following the CIP detail by fund.

	FY 2023-24 Adopted Budget	FY 2023-24 Projected Year-End	FY 2024-25 Adopted Budget
<b>1 Capital Improvements / Replacements</b>			
2 Golf Club SLS Rehab	\$ 1,800,000	\$ 686,701	\$ 1,350,000
3 DWTP Office & Storage	350,000	64,070	-
4 SCADA System Upgrades	400,000	264,523	263,899
5 WWTP Blower Building Rehab	400,000	-	1,100,000
6 Water Transmission Pipeline Upsizing	250,000	50,000	432,250
7 Chiquita CIP	178,000	87,151	236,740
8 Dove/Robinson Ranch Recycled BPS	100,000	9,690	133,000
9 Heritage SLS Rehab	100,000	26,135	632,250
10 Manual Transfer Switch Installations - Sewer	60,000	14,588	40,000
11 Manual Transfer Switch Installations - Water	60,000	15,130	40,000
12 WWTP SCADA & Fiber Optic Upgrade	130,000	19,150	300,000
13 El Toro SLS System Improvements	79,000	-	-
14 DWTP Vault Improvement	75,000	46,280	-
15 Dove Canyon Recycled PRV Improvement	200,000	48,605	180,000
16 Administrative Office Remodel - 3 offices	-	-	-
17 Tick & Dove Creek Pump Station Improvements	-	-	79,800
18 WWTP Reservoir Gate Improvements	-	-	199,500
19 WWTP Headworks Replacement	-	-	172,900
<b>20 Total Capital Improvements / Replacements</b>	<b>4,182,000</b>	<b>1,332,022</b>	<b>5,160,339</b>
<b>21 Equipment</b>			
22 Fleet & Heavy Equipment	130,000	-	-
23 Pump Replacements - Sewer	50,000	-	-
24 Pump Replacements - Water	50,000	36,250	99,750
25 New Servers	-	-	115,000
<b>26 Total Equipment</b>	<b>230,000</b>	<b>36,250</b>	<b>214,750</b>
<b>27 Programs</b>			
28 PRV Improvements	20,000	8,500	26,600
29 Valve Replacement Program	30,000	-	39,900
30 Wetwell Recoating	30,000	12,980	-
31 Manhole Recoating	20,000	20,000	-
<b>32 Total Programs</b>	<b>100,000</b>	<b>41,480</b>	<b>66,500</b>
<b>33 Total District CIP</b>	<b>\$ 4,512,000</b>	<b>\$ 1,409,752</b>	<b>\$ 5,441,589</b>

# Water Fund Capital Improvement Program

The District's Water Fund Capital Improvement Program details the multi-year plan that identifies, prioritizes, and budgets for capital projects that construct, maintain, improve, and replace the District's water infrastructure to ensure safe and reliable service to customers. The total estimated Water Fund CIP budget for FY 2024-25 is \$903.7 thousand. Individual Water Fund CIP projects for FY 2024-25 are described following the CIP detail by fund.

Water CIP	FY 2023-24 Adopted Budget	FY 2023-24 Projected Year-End	FY 2024-25 Adopted Budget
<b>1 Capital Improvements / Replacements</b>			
2 DWTP Office & Storage	\$ 350,000	\$ 65,000	\$ -
3 SCADA System Upgrades	280,000	340,200	184,729
4 Water Transmission Pipeline Upsizing	250,000	50,000	432,250
5 Manual Transfer Switch Installations - Water	60,000	20,000	40,000
6 DWTP Vault Improvement	75,000	50,000	-
7 Administrative Office Remodel - 3 offices	-	29,014	-
<b>8 Total Capital Improvements / Replacements</b>	<b>1,015,000</b>	<b>554,214</b>	<b>656,979</b>
<b>9 Equipment</b>			
10 Fleet & Heavy Equipment	91,000	174,950	-
11 Pump Replacements - Water	50,000	50,000	99,750
12 Xerox Copier	-	4,469	-
13 Fire Hydrants	-	25,229	-
14 Roton Blower - DWTP Filters	-	22,258	-
15 New Servers	-	-	80,500
<b>16 Total Equipment</b>	<b>141,000</b>	<b>276,906</b>	<b>180,250</b>
<b>17 Programs</b>			
18 PRV Improvements	20,000	20,000	26,600
19 Valve Replacement Program	30,000	109,970	39,900
<b>20 Total Programs</b>	<b>50,000</b>	<b>129,970</b>	<b>66,500</b>
<b>21 Total Water CIP</b>	<b>\$ 1,206,000</b>	<b>\$ 961,091</b>	<b>\$ 903,729</b>

# Sewer Fund Capital Improvement Program

The District’s Sewer Fund Capital Improvement Program details the multi-year plan that identifies, prioritizes, and budgets for capital projects that construct, maintain, improve, and replace the District’s Sewer infrastructure to ensure safe and reliable service to customers. The total estimated Sewer Fund CIP budget for FY 2024-25 is \$4.086 million. The major projects for FY 2024-25 include the Golf Club Sewer Lift Station Rehabilitation and the Wastewater Treatment Plant Blower Building Rehabilitation. Individual Sewer Fund CIP projects for FY 2024-25 are described following the CIP detail by fund.

Sewer CIP	FY 2023-24		FY 2024-25
	Adopted Budget	Projected Year-End	Adopted Budget
<b>1 Capital Improvements / Replacements</b>			
2 Golf Club SLS Rehab	\$ 1,800,000	\$ 850,000	\$ 1,350,000
3 SCADA System Upgrades	100,000	121,500	65,975
4 WWTP Blower Building Rehab	400,000	63,193	1,100,000
5 Heritage SLS Rehab	100,000	30,000	632,250
6 Manual Transfer Switch Installations - Sewer	60,000	20,000	40,000
7 WWTP SCADA & Fiber Optic Upgrade	130,000	30,000	300,000
8 El Toro SLS System Improvements	79,000	37,469	-
9 Chiquita CIP	178,000	178,000	236,740
10 Administrative Office Remodel - 3 offices	-	10,362	-
11 WWTP Reservoir Gate Improvements	-	-	159,600
12 WWTP Headworks Replacement	-	-	172,900
<b>13 Total Capital Improvements / Replacements</b>	<b>2,847,000</b>	<b>1,340,524</b>	<b>4,057,465</b>
<b>14 Equipment</b>			
15 Fleet & Heavy Equipment	32,500	62,482	-
16 Pump Replacements - Sewer	50,000	52,027	-
17 Xerox Copier	-	1,596	-
18 Chopper Pump - SBR	-	24,716	-
19 Smart Covers - Sewer Lift Stations	-	18,709	-
20 Roots Blower - WWTP	-	15,693	-
21 New Servers	-	-	28,750
<b>22 Total Equipment</b>	<b>82,500</b>	<b>175,223</b>	<b>28,750</b>
<b>23 Programs</b>			
24 Wetwell Recoating	30,000	30,000	-
25 Manhole Recoating	20,000	20,000	-
<b>26 Total Programs</b>	<b>50,000</b>	<b>50,000</b>	<b>-</b>
<b>27 Total Sewer CIP</b>	<b>\$ 2,979,500</b>	<b>\$ 1,565,747</b>	<b>\$ 4,086,215</b>

## Recycled Water Fund Capital Improvement Program

The District’s Recycled Water Fund Capital Improvement Program details the multi-year plan that identifies, prioritizes, and budgets for capital projects that construct, maintain, improve, and replace the District’s Recycled Water Fund infrastructure to ensure safe and reliable service to customers. The total estimated Recycled Water Fund CIP budget for FY 2024-25 is \$451.6 thousand. Individual Recycled Water Fund CIP projects for FY 2024-25 are described following the CIP detail by fund.

Recycled Water CIP		FY 2023-24 Adopted Budget	FY 2023-24 Projected Year-End	FY 2024-25 Adopted Budget
<b>1</b>	<b>Capital Improvements / Replacements</b>			
2	SCADA System Upgrades	\$ 20,000	\$ 24,300	\$ 13,195
3	Dove/Robinson Ranch Recycled BPS	100,000	10,000	133,000
4	Dove Canyon Recycled PRV Improvement	200,000	50,000	180,000
5	Administrative Office Remodel - 3 offices	-	2,072	-
6	WWTP Reservoir Gate Improvements	-	-	39,900
7	Tick & Dove Creek Pump Station Improvements	-	-	79,800
<b>8</b>	<b>Total Capital Improvements / Replacements</b>	<b>320,000</b>	<b>86,372</b>	<b>445,895</b>
<b>9</b>	<b>Equipment</b>			
10	Fleet & Heavy Equipment	6,500	12,496	-
11	Xerox Copier	-	319	-
12	VFD - Dove / RR Recycled PS	-	40,190	-
13	New Servers	-	-	5,750
<b>14</b>	<b>Total Equipment</b>	<b>6,500</b>	<b>53,006</b>	<b>5,750</b>
<b>15</b>	<b>Total Recycled Water CIP</b>	<b>\$ 326,500</b>	<b>\$ 139,378</b>	<b>\$ 451,645</b>

# CIP Project Descriptions

## SCADA SYSTEM UPGRADES (2223-101)

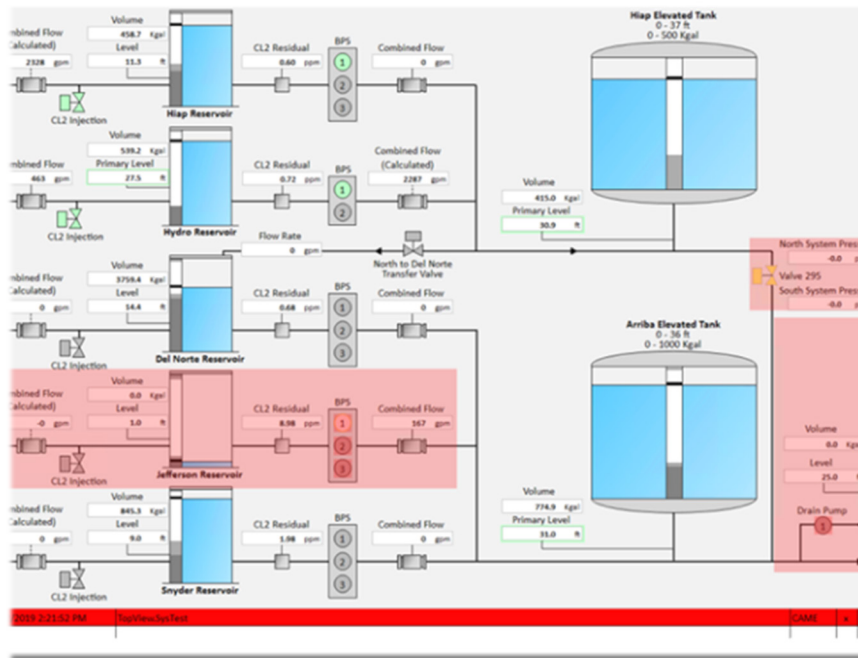
**FY 2024-25 BUDGET** \$263,899

**LOCATION** District-wide

**SYSTEM (FUND)** Multi-System (All)

**PROJECT BASIS** Reliability

**PROJECT DESCRIPTION** Final phase of multi-year modernization of the Supervisory Control and Data Acquisition System (SCADA) critical to daily operation and monitoring of facilities.



### Multi-Year Costing Schedule

Total Projected Spend 6/30/24	FY 2024-25 Budget	Future	Total Project Budget
\$3,400,000	\$263,899	N/A	\$3,663,899

# CIP Project Descriptions (continued)

## WASTEWATER TREATMENT PLANT RESERVOIR GATE IMPROVEMENTS (FY25-103)

**FY 2024-25 BUDGET** \$199,500

**LOCATION** Robinson Ranch Wastewater Treatment Plant

**SYSTEM (FUND)** Multi-System (Sewer, Recycled)

**PROJECT BASIS** End of Service Life

**PROJECT DESCRIPTION** Underwater replacement of corroded guide stems on the slide gate operating system. Includes installation of anodes & will be repaired by divers.



# CIP Project Descriptions (continued)

## NEW SERVERS UPGRADE (FY25-203)

**FY 2024-25 BUDGET** \$115,000

**LOCATION** Administration Office

**SYSTEM (FUND)** Multi-System (All)

**PROJECT BASIS** End of Service Life

**PROJECT DESCRIPTION**

The District has maximized the storage and use of the existing business system since a 2016 upgrade. District staff has worked with its contract IT manager Highroad IT to budget for a two-phased approach to implement a Single Node On-Premises Server System with an Azure Disaster Recovery Network Solution and associated networking configuration improvements to ensure continuous access and redundant systems. This project is independent and separate from the District’s SCADA server environment.



## CIP Project Descriptions (continued)

### WATER TRANSMISSION PIPELINE UPSIZING (2324-101)

**FY 2024-25 BUDGET** \$432,250

**LOCATION** Live Oak Canyon Road from Cook's Corner to Harris Grade Reservoirs

**SYSTEM (FUND)** Water

**PROJECT BASIS** Reliability

#### PROJECT DESCRIPTION

Engineering design phase of project to replace approximately one-mile of 10-inch diameter water pipeline (orig. 1964) with 18-inch diameter to improve hydraulic performance of water system and avoid future unplanned disruptions in water service.



#### Multi-Year Costing Schedule

Total Projected Spend 6/30/24	FY 2024-25 Budget	Future	Total Project Budget
\$50,000	\$432,250	\$3,006,871	\$3,489,121

# CIP Project Descriptions (continued)

## MANUAL TRANSFER SWITCH INSTALLATIONS – WATER (2324-106)

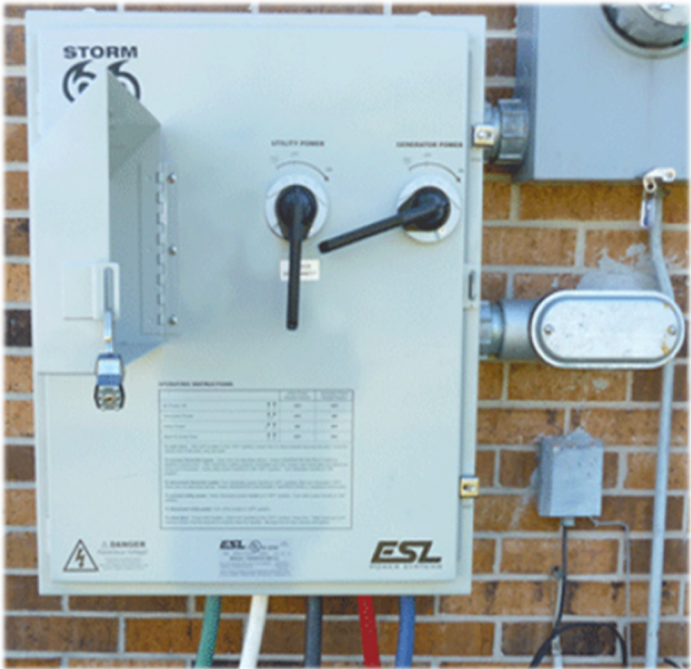
**FY 2024-25 BUDGET** \$40,000

**LOCATION** District-wide

**SYSTEM (FUND)** Water

**PROJECT BASIS** Emergency Response

**PROJECT DESCRIPTION** Pluggable connectors at key water pump stations to quickly plug-in portable emergency generators in case of power shutdowns, fires, other emergencies.



# CIP Project Descriptions (continued)

## PUMP REPLACEMENTS – WATER (FY25-201)

**FY 2024-25 BUDGET** \$99,750

**LOCATION** District-wide

**SYSTEM (FUND)** Water

**PROJECT BASIS** End of Service Life

**PROJECT DESCRIPTION**

The District operates its drinking water distribution system at some of the highest elevations in Orange County. The preventative maintenance and if necessary, replacement of pumps and related facilities is of paramount concern to maintain reliable water deliveries. This budget is an annual programmatic budget.



## CIP Project Descriptions (continued)

### PRESSURE REDUCING VAULT IMPROVEMENTS – WATER (FY25-301)

**FY 2024-25 BUDGET** \$26,600

**LOCATION** District-wide

**SYSTEM (FUND)** Water

**PROJECT BASIS** General Maintenance

#### PROJECT DESCRIPTION

Pressure-regulating valves (PRV), or pressure regulators, are used to lower the water supply pressure in the District’s main water lines to a specific, consistent pressure. This program includes general maintenance on all PRVs and Cla-Val valves district-wide, including changing out diaphragms, CRDs/CRLs, stainless steel tubing, and calibration. This budget is an annual programmatic budget.



# CIP Project Descriptions (continued)

## VALVE REPLACEMENT PROGRAM - WATER (FY25-302)

**FY 2024-25 BUDGET** \$39,900

**LOCATION** District-wide

**SYSTEM (FUND)** Water

**PROJECT BASIS** General Maintenance

**PROJECT DESCRIPTION**

Valves throughout the District are generally between 30-50 years old. Funding is needed to repair or replace valves that leak or break during normal operations and while being exercised during the Valve Maintenance Program. This budget is an annual programmatic budget.



## CIP Project Descriptions (continued)

### GOLF CLUB SEWER LIFT STATION REHABILITATION (2122-010)

**FY 2024-25 BUDGET** \$1,350,000

**LOCATION** Dove Canyon

**SYSTEM / FUND** Sewer

**PROJECT BASIS** End of Service Life

**PROJECT DESCRIPTION** Rehabilitation of sewer lift station responsible for pumping Dove Canyon sewage to the wastewater treatment plant. Total project includes new motor control center, bypass valve, past bypassing, new surge tank, redundant wet well, manhole, replacement of all dry pit piping & wet well pumps.



#### Multi-Year Costing Schedule

Total Projected Spend 6/30/24	FY 2024-25 Budget	Future	Total Project Budget
\$912,000	\$1,350,000	N/A	\$2,262,000

## CIP Project Descriptions (continued)

### WASTEWATER TREATMENT PLANT BLOWER BUILDING REHABILITATION (2223-105)

**FY 2024-25 BUDGET** \$1,100,000

**LOCATION** Wastewater Treatment Plant

**SYSTEM / FUND** Sewer

**PROJECT BASIS** Reliability

**PROJECT DESCRIPTION**

The Blower Room Motor Control Center (MCC) has come to the end of its service life. In addition, the MCC is undersized for the current and proposed electrical loads. The project also includes replacement of two blower-motor units responsible for aeration of the sewage treatment process; new units are more efficient and reliable and will be relocated outside of the current building in a sound-attenuating structure.



**Multi-Year Costing Schedule**

Total Projected Spend 6/30/24	FY 2024-25 Budget	Future	Total Project Budget
\$40,000	\$1,100,000	\$855,000	\$1,995,000

## CIP Project Descriptions (continued)

### HERITAGE SEWER LIFT STATION REHABILITATION (2324-104)

**FY 2024-25 BUDGET** \$632,250

**LOCATION** Robinson Ranch

**SYSTEM / FUND** Sewer

**PROJECT BASIS** End of Service Life

#### PROJECT DESCRIPTION

This project includes replacement of the bypass manhole, a section of sewer pipeline to the street, grading and drainage improvement and a new block wall and entrance gate, installation of a new pump and reconfiguration of the discharge piping in the dry pit.



#### Multi-Year Costing Schedule

Total Projected Spend 6/30/24	FY 2024-25 Budget	Future	Total Project Budget
\$30,000	\$632,250	\$1,141,250	\$1,803,500

# CIP Project Descriptions (continued)

## WASTEWATER TREATMENT PLANT SCADA & FIBER OPTIC UPGRADE (2324-107)

**FY 2024-25 BUDGET** \$300,000

**LOCATION** Robinson Ranch WWTP

**SYSTEM / FUND** Sewer

**PROJECT BASIS** End of Service Life

**PROJECT DESCRIPTION**

Installation of fiber optic cable throughout the Wastewater Treatment Plant, replacement of the obsolete Rugid RTU with a Modicon PLC and updated Supervisory Control and Data Acquisition (SCADA) programming.



# CIP Project Descriptions (continued)

## CHIQUITA WASTEWATER TREATMENT PLANT (FY25-101)

**FY 2024-25 BUDGET** \$155,000

**LOCATION** Santa Margarita Water District Chiquita WWTP

**SYSTEM / FUND** Sewer

**PROJECT BASIS** Contract Agreement

**PROJECT DESCRIPTION** Contractual requirement for the District’s share of capital Costs associated with Santa Margarita Water District’s Chiquita Wastewater Treatment Plant.



# CIP Project Descriptions (continued)

## WASTEWATER TREATMENT PLANT HEADWORKS REPLACEMENT (FY25-104)

**FY 2024-25 BUDGET** \$172,900

**LOCATION** Robinson Ranch WWTP

**SYSTEM / FUND** Sewer

**PROJECT BASIS** End of Service Life

**PROJECT DESCRIPTION** Rebuild/retrofit of existing bar/filter screen system at the Plant headworks.



# CIP Project Descriptions (continued)

## MANUAL TRANSFER SWITCH INSTALLATIONS – SEWER (2324-105)

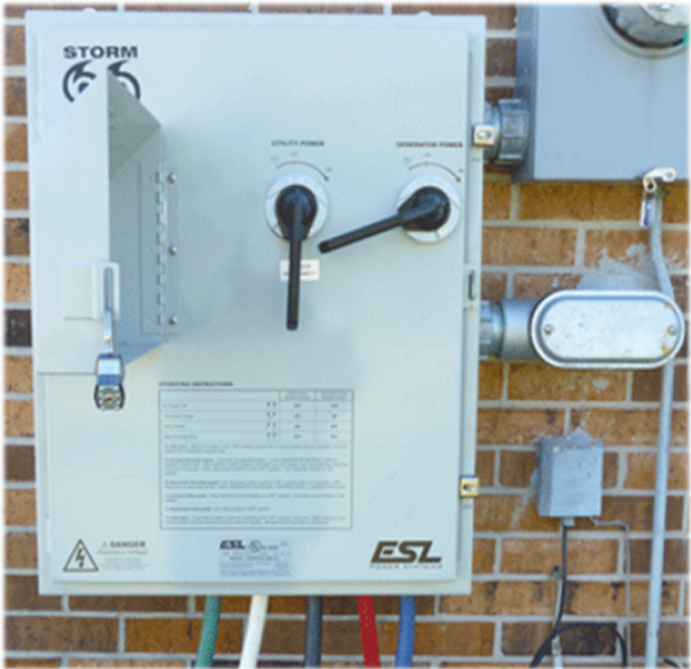
**FY 2024-25 BUDGET** \$40,000

**LOCATION** District-wide

**SYSTEM / FUND** Sewer

**PROJECT BASIS** Emergency Response

**PROJECT DESCRIPTION** Pluggable connectors at key sewer lift stations to quickly plug-in portable emergency generators in case of power shutdowns, fires, other emergencies.



# CIP Project Descriptions (continued)

## DOVE CANYON RECYCLED PRV IMPROVEMENT (2324-110)

**FY 2024-25 BUDGET** \$180,000

**LOCATION** Dove Canyon

**SYSTEM (FUND)** Recycled Water

**PROJECT BASIS** End of Service Life; Reliability

**PROJECT DESCRIPTION** Replacement of 10-inch and 8-inch pressure reducing valves (PRV) and vault improvements; critical to delivery of recycled water to irrigation customers



## CIP Project Descriptions (continued)

### DOVE / ROBINSON RANCH RECYCLED BOOSTER PUMP STATION IMPROVEMENTS (2324-103)

**FY 2024-25 BUDGET** \$133,000

**LOCATION** Trabuco Highlands

**SYSTEM (FUND)** Recycled Water

**PROJECT BASIS** End of Service Life

**PROJECT DESCRIPTION**

Dove Canyon/Robinson Ranch Pump Station upgrades will include replacement of the filters, header piping, valves, installation of three pumps, flow meter and bypassing the station during construction.



**Multi-Year Costing Schedule**

Total Projected Spend 6/30/24	FY 2024-25 Budget	Future	Total Project Budget
\$10,000	\$133,000	\$1,288,000	\$1,431,000

## CIP Project Descriptions (continued)

### TICK & DOVE CREEK PUMP STATION IMPROVEMENTS (FY25-102)

**FY 2024-25 BUDGET** \$79,800

**LOCATION** Dove Canyon

**SYSTEM (FUND)** Recycled Water

**PROJECT BASIS** Reliability

**PROJECT DESCRIPTION**

Design phase of improvements to Tick & Dove Creek outfall pump stations to enhance reliability and capacity of dry weather & storm water runoff capture and pump-back to Dove Lake.



#### Multi-Year Costing Schedule

Total Projected Spend 6/30/24	FY 2024-25 Budget	Future	Total Project Budget
\$0	\$79,800	\$1,039,800	\$1,119,600

## List of Common Acronyms

**AF** Acre-Foot / Acre-Feet

**BTP / BWTP** Baker Water Treatment Plant

**CIP** Capital Improvement Program

**Cla-Val** Manufacturer of automatic control valves

**CY** Calendar Year

**DWTP** Dimension Water Treatment Plant

**FY** Fiscal Year

**GPM** Gallon per Minute

**HOA** Homeowners Association

**IRWD** Irvine Ranch Water District

**MET** Metropolitan Water District of Southern California

**MG** Million Gallons

**MWDOC** Municipal Water District of Orange County

**PRV** Pressure Reducing Vault

**RRWWTP** Robinson Ranch Wastewater Treatment Plant

**SCADA** Supervisory Control and Data Acquisition

**SMWD** Santa Margarita Water District

**SOS** Source of Supply

**SWRCB** State Water Resources Control Board

**TCWD** Trabuco Canyon Water District

**WWTP** Wastewater Treatment Plant

## Glossary

**Acre-Foot** The volume of water to cover an acre of land to a depth of one foot. This conversion is commonly used for large-scale measurement of volumetric water.

**Assets** Resources owned by the District that have monetary or future economic value.

**Capital Improvement Program (CIP)** The program related to the construction, replacement, rehabilitation, or upgrading of District infrastructure and equipment.

**Debt Service** The District's annual obligation of principal and interest of outstanding debt instruments.

**Expense** A cost incurred to the District related to providing service to customers.

**Fiscal Year** The period in which an entity determines its financial position and results of operations. The District's fiscal year spans from July 1 to June 30 and the annual budget is prepared on a fiscal year basis.

**Infrastructure** Assets including pipelines, storage facilities, treatment plants, meters, and various facilities and equipment that are used to provide service and manage operations.

**Non-Operating Revenue / Expenses** Revenues and expenses that occur outside of the normal course of operations such as interest revenue and debt issuance expenses.

**Operating Revenue / Expenses** Revenues and expenses that occur during the normal course of operations such as water sales and water purchases.

**Rates** Pre-determined amounts charged by the District to customers for providing various services following formal regulatory process and Board action.

**Revenue** Earnings of monetary value through rate revenue, property tax revenue, or other miscellaneous sources.

**Special District** An independent unit of local government organized to perform a single governmental function or a restricted number of related functions.

**Supervisory Control and Data Acquisition (SCADA)** The system that collects operational data from remote units to monitor and control water and wastewater systems and facilities throughout the District service area.