

FISCAL YEAR 2023-2024
CAPITAL IMPROVEMENT BUDGET



Lake Mission Viejo

"ADOPTED"
June 7, 2023

CAPITAL IMPROVEMENT PROGRAM OVERVIEW

The District administers a Capital Improvement Program (CIP) that focuses on the installation of new infrastructure and equipment, the restoration of existing water and wastewater system assets, and new water supply and reliability projects. Additionally, the District partners with the development community to construct new facilities necessary to serve new developments within the District's service area.

A breakdown of the project categories, key projects, and amounts is provided on the next page. Identified projects include both those which are ongoing and new projects expected to commence in FY 2024.

FY 2024 CIP BUDGET SUMMARY

IDs 1-8 FY 2024 Capital Improvement Program (\$ millions)

Project Descriptions	Original Budget ⁽¹⁾	Current Project Budget	Spent to Date	Net Remaining Costs	Spending Projections ⁽³⁾			Funding		
					FY2023	FY2024	FY2025	Net Revenue / Reserves	Other Funding ⁽²⁾	Future Bond
Capital Repair and Replacement Projects (CRP)	45.2	80.6	28.7	51.9	11.2	29.3	8.6	0.0	7.7	44.2
R6 Reservoir - Replace Cover and Relining	8.0	13.5	6.0	7.5	3.0	4.5	0.0	0.0	4.3	3.2
Plano Z4 Reservoir - Resurface Tanks	3.4	5.1	1.8	3.2	1.9	1.3	0.0	0.0	3.2	0.0
Alicia Z3 Reservoir - Reline Tank and Install Access Hatch	2.3	3.2	0.0	3.1	0.0	1.9	1.3	0.0	0.0	3.1
Plano Z4 Reservoir - Install Reservoir Mgmt System	1.4	1.4	0.0	1.4	0.0	1.0	0.4	0.0	0.0	1.4
Trabuco Ridge Z4 Reservoir - Install Reservoir Mgmt System	1.4	1.4	0.0	1.4	0.0	1.0	0.4	0.0	0.0	1.4
Clearwell Replacement (IDs 1-8 portion - 75%)	0.0	1.3	0.5	0.8	0.3	0.5	0.0	0.0	0.0	0.8
Estado Z4 Reservoir - Resurface Tank	0.7	1.2	0.1	1.2	0.8	0.4	0.0	0.0	0.0	1.2
Homo LS - Phase 2 Pump Replacement	0.0	1.0	0.0	1.0	0.0	0.5	0.5	0.0	0.0	1.0
JB Latham Treatment Plant (SOCWA) Projects	1.2	5.2	1.1	4.1	1.4	2.7	0.0	0.0	0.0	4.1
<i>FY 2023 Budgeted and Prior Projects</i>	<i>26.7</i>	<i>37.5</i>	<i>19.1</i>	<i>18.4</i>	<i>3.4</i>	<i>9.5</i>	<i>3.5</i>	<i>0.0</i>	<i>0.2</i>	<i>18.1</i>
<i>FY 2024 Budget New Projects</i>	<i>0.1</i>	<i>9.8</i>	<i>0.1</i>	<i>9.7</i>	<i>0.3</i>	<i>6.2</i>	<i>2.6</i>	<i>0.0</i>	<i>0.0</i>	<i>9.7</i>
Oso Creek Water Reclamation Plant Optimization	32.1	68.0	3.2	64.8	5.7	53.6	5.6	41.3	11.2	12.3
Plant Improvements	29.4	51.0*	3.1	47.9	4.8	40.7	2.4	37.6	6.2	4.0
Oso Barrier Lift Station	0.0	6.8	0.0	6.8	0.0	5.1	1.7	0.0	0.0	6.8
Office / Warehouse	0.0	6.0	0.0	6.0	0.6	5.1	0.3	2.0	4.0	0.0
La Paz Zone B Pump Station	2.7	2.7	0.0	2.7	0.3	2.3	0.1	1.7	1.0	0.0
Force Main to Oso Creek	0.0	1.5	0.0	1.5	0.0	0.5	1.1	0.0	0.0	1.5
Supply/Reliability	33.3	59.0	5.3	53.7	2.4	40.2	11.1	23.1	18.6	12.0
Oso Barrier Return Flow Treatment (800 afy)	0.0	8.3	0.0	8.3	0.0	4.2	4.2	0.0	0.0	8.3
San Juan Groundwater Plant Maximization	2.1	1.6	0.5	1.1	0.2	0.9	0.0	1.1	0.0	0.0
Ranch Water Filtration Plant - All Components Total	31.2	49.1	4.8	44.3	2.2	35.2	6.9	22.0	18.6	3.7
<i>Treatment Plant</i>	<i>18.0</i>	<i>40.4</i>	<i>4.5</i>	<i>35.8</i>	<i>1.8</i>	<i>28.7</i>	<i>5.4</i>	<i>21.3</i>	<i>14.6</i>	<i>0.0</i>
<i>Pipeline Rehab</i>	<i>0.4</i>	<i>0.7</i>	<i>0.0</i>	<i>0.7</i>	<i>0.4</i>	<i>0.4</i>	<i>0.0</i>	<i>0.7</i>	<i>0.0</i>	<i>0.0</i>
<i>Infiltration Basins</i>	<i>12.8</i>	<i>8.0</i>	<i>0.3</i>	<i>7.7</i>	<i>0.0</i>	<i>6.2</i>	<i>1.5</i>	<i>0.0</i>	<i>4.0</i>	<i>3.7</i>
Chiquita Water Reclamation Plant Expansion	42.6	51.1	26.0	25.1	3.9	11.6	6.7	0.0	3.2	21.9
CWRP - ILS and Screening	14.5	16.2	8.7	7.5	2.6	2.6	0.0	0.0	3.2	4.3
Secondary Treatment Expansion	13.0	12.9	12.7	0.2	0.2	0.0	0.0	0.0	0.0	0.2
CWRP - Expansion Electrical and Instrumentation	2.9	2.9	0.0	2.9	0.0	1.4	1.4	0.0	0.0	2.9
CWRP - Replace Orig Prim, Sec, Tert MCCs	2.5	2.5	0.0	2.4	0.0	1.2	1.2	0.0	0.0	2.4
CWRP - Replace Digester Gas Piping	1.0	2.5	0.8	1.7	0.9	0.9	0.0	0.0	0.0	1.7
Chiquita Water Reclamation Plant Various Projects	8.7	14.1	3.8	10.3	0.1	5.4	4.1	0.0	0.0	10.3
Recycled Water (RW) Conversion/Conveyance	9.2	16.6	6.6	10.0	4.5	4.7	0.7	2.3	5.9	1.8
Las Flores Conversion	5.5	9.1	3.6	5.5	2.8	2.8	0.0	2.3	3.3	0.0
Sendero (Site 3) RWPS Pump and MCC Installation	1.2	2.2	1.0	1.1	0.8	0.3	0.0	0.0	1.1	0.0
CWRP - RW Zone A Modifications	2.0	2.0	0.6	1.4	0.7	0.7	0.0	0.0	1.4	0.0
CWRP - RW Pump Station Modifications (related to Trampas Res)	0.0	1.5	0.0	1.5	0.0	0.7	0.7	0.0	0.0	1.5
Talega Pressure Sustaining Valve	0.0	1.3	1.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0
Rancho Santa Margarita RW Conversion (Public Outreach / Planning)	0.5	0.5	0.2	0.3	0.2	0.2	0.0	0.0	0.0	0.3
Totals	\$162.4	\$275.1	\$69.7	\$205.4	\$27.6	\$139.4	\$32.7	\$66.7	\$46.6	\$92.1

Note: Totals above may not sum due to rounding.

*Includes an estimated \$8 million of costs the City of Mission Viejo will cover through annual repayments to the District.

¹ Original Budgets are those approved by the Board, either through a prior year's budget or updated as part of a separate project-specific approval.

² Other Funding includes: Grants, 2020A Revenue Bonds, Surplus GO Bonds, CFD Bonds issued by Orange County, RMV Mutual payments.

³ Preliminary and subject to change. Gross spending before accounting for funding sources. Some spending is projected to occur beyond FY 2025.

Capital Repair and Replacement (CRP) Projects

The District continues to reinvest in its infrastructure to maintain its high level of service to its customers. Capital Repair and Replacement (CRP) projects also help to extend the life of the District's existing fixed assets. For FY 2024, the largest anticipated CRP projects are for reservoir repairs, enhancements, and rehabilitation.

Oso Creek Water Reclamation Plant (OCWRP) Optimization

The District has identified the expansion of the OCWRP as the optimum approach to meeting its future wastewater treatment needs and its goal of recycling the equivalent of 100% of the District's wastewater. The construction of the expanded OCWRP is expected to result in approximately 1,350 acre-feet per year of additional tertiary effluent for use in the District's recycled water system and will reduce average daily liquid treatment requirements at SOCWA's Jay B. Latham Wastewater Treatment Plant.

Supply / Reliability Projects

San Juan Groundwater Plant Maximization. The District expects to undertake certain capital improvements to wells, pumps, and related infrastructure to increase the production capacity of the plant.

Ranch Water Filtration Plant. The District has an existing agreement with RMV Mutual Water Company to purchase up to 2,500 acre-feet per year of groundwater produced by RMV. This project will change the ultimate use from irrigation to potable domestic use, by utilizing treatment of the extracted groundwater to potable water standards.

Oso Barrer Return Flow. This project is proposed to significantly improve the quality of recycled water obtained through the Oso Barrier. The OCWRP optimization project provides for treatment of the Oso Barrier flows of runoff water, which is currently of low quality and pumped directly to the La Paz RWPS wet well before entering the District's recycled water system.

Chiquita Water Reclamation Plant (CWRP)

CWRP projects currently or expected to be soon underway consist primarily of repair and replacement projects and total approximately \$25 million. Based on the expected buildout of the District's service area, the capacity of CWRP is also being expanded in phases.

Recycled Water Conversion / Conveyance

The District is in the process of expanding its recycled water system, in conjunction with the completion of the Trampas Reservoir, which increased the District's recycled water storage to facilitate higher peak-demand seasonal usage. Key projects underway include piping and pump modifications to the Zone A system connecting CWRP to Trampas, the Sendero Recycled Water Pump Station, and converting irrigation customers using potable water to recycled water, such as in the Las Flores area.

ID 9 FY 2024 Capital Improvement Program (\$ millions)

Project Descriptions	Original Budget (1)	Current Project Budget	Spent to Date	Net Remaining Costs	Projections (3)			Funding		
					FY2023	FY2024	FY2025	Net Revenue / Reserves	Other Funding (2)	Future Bond
Potable & Recycled Water	0.53	15.71	3.07	\$12.65	\$2.27	\$3.99	\$3.29	\$12.65	\$0.00	\$0.00
San Juan Capistrano Groundwater Plant Maximization (ID 9 Portion - 25%)	0.53	1.00	0.21	\$0.79	\$0.18	\$0.61	\$0.00	\$0.79	\$0.00	\$0.00
Clearwell Replacement (ID 9 Portion - 25%)	0.00	0.44	0.16	\$0.28	\$0.11	\$0.17	\$0.00	\$0.28	\$0.00	\$0.00
Meadows Reservoir	0.00	4.00	0.00	\$4.00	\$0.00	\$0.24	\$0.76	\$4.00	\$0.00	\$0.00
Future Pressure Reducing Stations	0.00	1.80	0.00	\$1.80	\$0.00	\$0.90	\$0.90	\$1.80	\$0.00	\$0.00
CSJC-Don Juan Area DW Upgrades	0.00	2.85	0.48	\$2.37	\$0.38	\$0.69	\$1.29	\$2.37	\$0.00	\$0.00
Sacarama PS Rehab	0.00	0.95	0.19	\$0.76	\$0.61	\$0.15	\$0.00	\$0.76	\$0.00	\$0.00
CSJC Riding Park Planning / Infiltration Basins (SJGP) (ID 9 Portion - 25%)	0.00	0.50	0.05	\$0.45	\$0.05	\$0.09	\$0.23	\$0.45	\$0.00	\$0.00
CSJC Eastern Transmission Main Assessment / Rehab	0.00	1.64	1.27	\$0.37	\$0.00	\$0.26	\$0.11	\$0.37	\$0.00	\$0.00
SCWD – JRWSS Pipeline CRP FY 2022-2024	0.00	0.40	0.05	\$0.35	\$0.11	\$0.25	\$0.00	\$0.35	\$0.00	\$0.00
Domestic Water System - Various Domestic Repairs (ID-9) FY23	0.00	0.65	0.41	\$0.24	\$0.24	\$0.00	\$0.00	\$0.24	\$0.00	\$0.00
CSJC Advanced Utility CIS v3 to v4 System Migration	0.00	0.27	0.02	\$0.25	\$0.25	\$0.00	\$0.00	\$0.25	\$0.00	\$0.00
ID 9 Water and Sewer Master Plan	0.00	0.15	0.09	\$0.06	\$0.04	\$0.02	\$0.00	\$0.06	\$0.00	\$0.00
High Westside Z1 Reservoirs - Condition Assessment	0.00	0.05	0.00	\$0.05	\$0.00	\$0.05	\$0.00	\$0.05	\$0.00	\$0.00
Capistrano Acres Mutual WC Well Head	0.00	0.10	0.01	\$0.09	\$0.09	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00
Mission Street ZA-350 Well - Electrical/SCADA	0.00	0.03	0.01	\$0.02	\$0.02	\$0.00	\$0.00	\$0.02	\$0.00	\$0.00
SteepleChase Z1-574 PS - Upgrade Pumps	0.00	0.04	0.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Vista Marina PRS - Upgrade	0.00	0.06	0.02	\$0.04	\$0.03	\$0.01	\$0.00	\$0.04	\$0.00	\$0.00
Reverse Osmosis Membrane Replacement Train 1 and 2 (ID 9)	0.00	0.56	0.00	\$0.56	\$0.06	\$0.50	\$0.00	\$0.56	\$0.00	\$0.00
Steeplechase Z1 Replace Roof and Siding	0.00	0.05	0.00	\$0.05	\$0.03	\$0.03	\$0.00	\$0.05	\$0.00	\$0.00
SJGP - Upgrade PLCs at 7 Well Sites (ID 9)	0.00	0.01	0.00	\$0.01	\$0.01	\$0.01	\$0.00	\$0.01	\$0.00	\$0.00
Capo Point PRS Upgrade	0.00	0.15	0.06	\$0.08	\$0.06	\$0.02	\$0.00	\$0.08	\$0.00	\$0.00
Wastewater	0.00	9.40	2.95	\$6.45	\$1.57	\$3.73	\$1.15	\$6.45	\$0.00	\$0.00
CSJC Swr Sys Rehab Projects 2023-24	0.00	2.50	1.13	\$1.37	\$0.69	\$0.69	\$0.00	\$1.37	\$0.00	\$0.00
CSJC Sewer Flow Monitoring and Model	0.00	1.00	0.00	\$1.00	\$0.50	\$0.25	\$0.25	\$1.00	\$0.00	\$0.00
CSJC FY24 Various Sewer Repairs	0.00	0.40	0.00	\$0.40	\$0.00	\$0.40	\$0.00	\$0.40	\$0.00	\$0.00
CSJC FY23 Various Sewer Repairs	0.00	0.40	0.18	\$0.22	\$0.22	\$0.00	\$0.00	\$0.22	\$0.00	\$0.00
Spotted Bull Septic-Swr Conv	0.00	0.05	0.02	\$0.03	\$0.03	\$0.00	\$0.00	\$0.03	\$0.00	\$0.00
ID 9 Septic to Sewer Studies	0.00	0.06	0.00	\$0.06	\$0.04	\$0.02	\$0.00	\$0.06	\$0.00	\$0.00
CSJC - Sewer Upsize at Tirador	0.00	1.00	0.00	\$1.00	\$0.00	\$0.10	\$0.90	\$1.00	\$0.00	\$0.00
SOCWA - CSJC Repairs/Replacements FY 2023	0.00	1.71	1.61	\$0.10	\$0.10	\$0.00	\$0.00	\$0.10	\$0.00	\$0.00
SOCWA - CSJC Repairs/Replacements FY 2024	0.00	2.28	0.00	\$2.28	\$0.00	\$2.28	\$0.00	\$2.28	\$0.00	\$0.00
Totals	\$0.53	\$25.11	\$6.01	\$19.10	\$3.84	\$7.72	\$4.44	\$19.10	\$0.00	\$0.00

Note: Totals above may not sum due to rounding.

¹ Original Budgets are those approved by the Board, either through a prior year’s budget or updated as part of a separate project-specific approval.

² Other Funding includes: Grants, 2020A Revenue Bonds, Surplus GO Bonds, CFD Bonds issued by Orange County, RMV Mutual payments.

³ Preliminary and subject to change. Gross spending before accounting for funding sources. Some spending is projected to occur beyond FY 2025.

It is anticipated that total CIP spending in ID 9 will total approximately \$7.5 million per year, of which \$4 million per year will be funded from the Water Fund and \$3.5 million will be funded from the Wastewater Fund. A significant portion of Wastewater Fund improvements, \$2-4 million per year, are for the substantial upgrades and replacement project capital at the Jay B. Latham Wastewater Treatment Plant operated by SOCWA. The estimated amount for FY 2024 is \$2.3 million.

PURCHASED ASSETS

The FY 2024 Budget includes \$2,899,937 of newly purchased fixed assets listed below.

	Total	IDs 1-8	ID 9
Light Vehicles	\$ 235,000	\$ 176,250	\$ 58,750
Trucks	\$ 165,000	\$ 123,750	\$ 41,250
Heavy Duty Vehicles	\$ 321,323	\$ 286,223	\$ 35,100
Other Vehicles / Equipment	\$ 730,000	\$ 517,500	\$ 212,500
Replace 12" Meter at AMP PS	\$ 15,000	\$ 15,000	-
Replace Compressor at Plaza PS	\$ 15,000	\$ 15,000	-
Replace 504 Valve Turning	\$ 210,000	\$ 157,500	\$ 52,500
Replace 400 CCTV	\$ 356,522	\$ 267,392	\$ 89,131
Replace Digester Circulation Pumps at CWRP	\$ 100,000	\$ 100,000	-
Convert CP Sites to 4G	\$ 90,000	\$ 90,000	-
Install MOV on Pump at Upper Chiquita PS	\$ 30,000	\$ 22,500	\$ 7,500
Replace 5 Compressors at Lift Stations	\$ 75,000	\$ 75,000	-
Replace CWRP ILS AC Unit	\$ 75,000	\$ 75,000	-
Replace HQ Control Room AC Unit	\$ 75,000	\$ 56,250	\$ 18,750
Replace CWRP SCBA compressor	\$ 40,000	\$ 40,000	-
Replace Vault Covers DW (3 sites@ \$5k/site TBD)	\$ 15,000	\$ 15,000	-
Coating of Master Meter	\$ 15,000	\$ 15,000	-
Router & Switch Replacements (HQ)	\$ 50,000	\$ 37,500	\$ 12,500
Storage Array Drives	\$ 45,000	\$ 33,750	\$ 11,250
Wireless Access Point Upgrades (HQ Site, Quantity 22)	\$ 24,000	\$ 18,000	\$ 6,000
Backup/Spare Units	\$ 80,000	\$ 35,000	\$ 45,000
Contingency	\$ 138,092	\$ 103,569	\$ 34,523
Totals	\$2,899,937	\$2,275,184	\$624,754

IDs 1-8 FY 2024 Capital Improvement Project Roll-Up Details (\$ millions)

Program and Project Descriptions	Original Budget ⁽¹⁾	Current Project Budget	Spent to Date	Net Remaining Costs	Spending Projections ⁽³⁾			Funding		
					FY2023	FY2024	FY2025	Net Revenue / Reserves	Other Funding ⁽²⁾	Future Bond
CRP - FY 2023 Budgeted and Prior Projects	26.72	37.46	19.07	18.38	3.45	9.47	3.45	0.00	0.24	18.14
Coto LS - Emergency Storage Basin	5.60	5.68	5.59	0.09	0.00	0.09	0.00	0.00	0.00	0.09
CalTrans - Relocate SMWD Branch of ACTM near I5 (Section 2)	2.55	2.55	2.39	0.16	0.16	0.00	0.00	0.00	0.16	0.00
CalTrans - Section 1 -Relocate ACTM under I-5/Aliso Creek	2.10	2.10	2.03	0.07	0.07	0.00	0.00	0.00	0.00	0.07
Doheny Desal Project - Design Cost	0.00	2.00	0.00	2.00	0.00	2.00	0.00	0.00	0.00	2.00
Reverse Osmosis Membrane Replacement Train 1 and 2 (IDs 1-8)	0.00	1.69	0.00	1.69	0.19	1.50	0.00	0.00	0.00	1.69
CalTrans - Relocate SMWD Branch of ACTM near I-5 (Section 3)	1.49	1.68	1.63	0.05	0.05	0.00	0.00	0.00	0.00	0.05
CSJC Riding Park Planning / Infiltration Basins (SJGP) (IDs 1-8)	0.00	1.50	0.14	1.36	0.14	0.27	0.68	0.00	0.00	1.36
Headquarters - Modifications to Locker Room	1.41	1.43	1.40	0.03	0.00	0.03	0.00	0.00	0.00	0.03
Green Sand Filter Rehab (IDs 1-8)	0.00	1.35	0.20	1.15	0.29	0.86	0.00	0.00	0.00	1.15
Estado Z4 Reservoir - Install Reservoir Management System	1.30	1.30	1.27	0.03	0.03	0.00	0.00	0.00	0.00	0.03
City of San Clemente WW System Capital FY 2023-27	0.00	1.25	0.15	1.10	0.19	0.19	0.19	0.00	0.00	1.10
Talega LS - Upgrade Pumps	1.00	1.00	0.92	0.08	0.08	0.00	0.00	0.00	0.08	0.00
MNWD - Transmission Main in casing at I-5 Oso Creek Crossing	0.90	0.90	0.00	0.90	0.00	0.63	0.27	0.00	0.00	0.90
Talega Z1 Reservoir - Install Reservoir Management System	0.86	0.86	0.83	0.03	0.03	0.00	0.00	0.00	0.00	0.03
Domestic Water System - Cathodic Protection (Location TBD)	0.60	0.60	0.00	0.60	0.00	0.42	0.18	0.00	0.00	0.60
Domestic Water System - Emergency Repair Avenida La Pata/Hermosa	0.00	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wastewater System - Various Sewer Repairs FY 2023	0.60	0.60	0.24	0.36	0.18	0.00	0.00	0.00	0.00	0.36
3AWRP - Repairs/Replacements FY 2022 (Billed in FY23)	0.00	0.59	0.00	0.59	0.59	0.00	0.00	0.00	0.00	0.59
Domestic Water System - Contingent Projects FY 2023	0.50	0.50	0.00	0.50	0.10	0.00	0.00	0.00	0.00	0.50
Wastewater System - Contingent Projects FY 2023	0.50	0.50	0.00	0.50	0.15	0.00	0.00	0.00	0.00	0.50
Coto LS - Force Main Feasibility Study and Provisions for Emerg Bypass	0.50	0.50	0.04	0.46	0.00	0.14	0.32	0.00	0.00	0.46
Horno LS - Phase 1 Replace Pump	0.20	0.50	0.21	0.29	0.00	0.14	0.14	0.00	0.00	0.29
Horno LS - Install Odor Control	0.39	0.39	0.01	0.38	0.00	0.08	0.30	0.00	0.00	0.38
Clean & Line Existing 24" Dia. Force Main (FM) under Tijeras Creek	0.00	0.35	0.00	0.35	0.11	0.14	0.11	0.00	0.00	0.35
Upper Oso ZC Reservoir - Dam Face Compaction	0.10	0.32	0.29	0.03	0.02	0.00	0.00	0.00	0.00	0.03
Upper Oso ZC Reservoir - Upgrade I/O valves and Install Meter	0.32	0.32	0.00	0.31	0.00	0.31	0.00	0.00	0.00	0.31
Domestic Water System - Various Domestic Repairs FY 2023	0.30	0.30	0.02	0.28	0.14	0.00	0.00	0.00	0.00	0.28
Horno LS - Ph 2 Pump Replacement Design	0.00	0.30	0.05	0.25	0.17	0.07	0.00	0.00	0.00	0.25
Recycled Water System - Cathodic Protection (Location TBD)	0.30	0.30	0.00	0.30	0.00	0.03	0.27	0.00	0.00	0.30
Recycled Water System - Contingent Projects FY 2023	0.30	0.30	0.00	0.30	0.15	0.00	0.00	0.00	0.00	0.30
SCADA - SCADA Phase III	0.30	0.30	0.25	0.05	0.00	0.05	0.00	0.00	0.00	0.05
Enterprise Content (Knowledge) Management Portal	0.25	0.25	0.06	0.19	0.06	0.13	0.00	0.00	0.00	0.19
Ladera LS - Upgrade MCC and ATS	0.25	0.25	0.00	0.25	0.00	0.08	0.18	0.00	0.00	0.25
Nichols WRP Coating Rehab	0.25	0.25	0.02	0.23	0.00	0.09	0.14	0.00	0.00	0.23
UOR-Aeration System	0.00	0.25	0.00	0.25	0.00	0.25	0.00	0.00	0.00	0.25
Boy Scout LS - Install Packaged Lift Station	0.25	0.25	0.05	0.20	0.00	0.10	0.10	0.00	0.00	0.20
Upper Chiquita Reservoir - Asphalt road on top of dam	0.25	0.25	0.03	0.22	0.00	0.22	0.00	0.00	0.00	0.22
Domestic Water System - Reservoir Condition Assessments	0.24	0.24	0.00	0.24	0.00	0.19	0.05	0.00	0.00	0.24

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IDs 1-8 FY 2024 Capital Improvement Project Roll-Up Details (\$ millions)

Program and Project Descriptions	Original Budget (1)	Current Project Budget	Spent to Date	Net Remaining Costs	Spending Projections (3)			Funding		
					FY2023	FY2024	FY2025	Net Revenue / Reserves	Other Funding (2)	Future Bond
CRP - FY 2023 Budgeted and Prior Projects (Continued)										
South County Pipeline - Reinforce SCP near Cristianitos Road	0.20	0.23	0.21	0.01	0.01	0.00	0.00	0.00	0.00	0.01
Ladera LS - Install Odor Control	0.23	0.23	0.00	0.22	0.00	0.04	0.18	0.00	0.00	0.22
South County Pipeline - Valve Vault Recoating	0.20	0.20	0.14	0.06	0.03	0.02	0.00	0.00	0.00	0.06
South Ranch LS - Emergency Storage Design	0.20	0.20	0.18	0.02	0.02	0.00	0.00	0.00	0.00	0.02
Woods Z3 Reservoir - Rehab Piping	0.18	0.18	0.00	0.18	0.00	0.07	0.11	0.00	0.00	0.18
Lake Mission Viejo AWTF - Replace Membranes FY 2023	0.12	0.15	0.00	0.15	0.15	0.00	0.00	0.00	0.00	0.15
Golf LS - Electrical Upgrade	0.15	0.15	0.00	0.15	0.00	0.15	0.00	0.00	0.00	0.15
Coral Gardens LS - New Pumps/Motors	0.15	0.15	0.00	0.15	0.00	0.15	0.00	0.00	0.00	0.15
Domestic Water System - Relocate Appurtenances at Oso/Felipe	0.15	0.15	0.05	0.10	0.00	0.10	0.00	0.00	0.00	0.10
Headquarters - Rehab Exterior of Buildings	0.15	0.15	0.03	0.12	0.00	0.12	0.00	0.00	0.00	0.12
Baker Pipeline - Lowering Pipeline	0.14	0.14	0.13	0.01	0.00	0.00	0.00	0.00	0.00	0.01
MNWD - ETM Outfall Valves	0.13	0.13	0.00	0.13	0.00	0.08	0.05	0.00	0.00	0.13
Recycled Water System - Repair of ZC Main Break - Marg/SM Pkwy	0.00	0.26	0.14	0.12	0.12	0.00	0.00	0.00	0.00	0.12
Lakeside PS - Rehab Lakeside Landscaping	0.11	0.11	0.00	0.11	0.00	0.04	0.06	0.00	0.00	0.11
AMP Z1 PS - Rehab 4 Pumps	0.09	0.09	0.02	0.07	0.01	0.06	0.00	0.00	0.00	0.07
Cordova LS - Replace Surge Tank	0.08	0.08	0.03	0.05	0.04	0.01	0.00	0.00	0.00	0.05
Coto LS - Upgrade Existing P3 to Vaughan	0.08	0.08	0.00	0.08	0.00	0.04	0.04	0.00	0.00	0.08
Covenant Hills ZB-850 PS - Replace Check Valve	0.08	0.08	0.00	0.08	0.00	0.08	0.00	0.00	0.00	0.08
Upper Oso ZC Reservoir - Replace Switchgear	0.08	0.08	0.00	0.07	0.06	0.01	0.00	0.00	0.00	0.07
Sand Separator Replacement (IDs 1-8)	0.00	0.08	0.00	0.07	0.01	0.06	0.00	0.00	0.00	0.07
Lake Mission Viejo APW - Chem Storage and Ventilation Improvements	0.08	0.08	0.03	0.05	0.00	0.05	0.00	0.00	0.00	0.05
Coto LS - Install Power Hoist	0.07	0.07	0.01	0.06	0.00	0.06	0.00	0.00	0.00	0.06
San Juan Creek LS - Replace Valves	0.07	0.07	0.03	0.03	0.00	0.03	0.00	0.00	0.00	0.03
Golf LS - Reline Wet Well	0.06	0.06	0.04	0.02	0.02	0.00	0.00	0.00	0.00	0.02
Lakeside PS - Replace Relief Valves	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.05
Ortega LS - Mothball Facility	0.05	0.05	0.00	0.05	0.00	0.04	0.01	0.00	0.00	0.05
Wastewater System - Station Valve Replacement	0.05	0.05	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.05
SC-3 - Check Valve Replacement	0.00	0.05	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.01
Z4 Fire Pump Station - Replace Mechanical Seals	0.05	0.05	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.05
SJBA Well Assessment	0.00	0.05	0.00	0.05	0.00	0.03	0.03	0.00	0.00	0.05
Eastbrook ZD PS - Coating Project	0.00	0.05	0.00	0.05	0.00	0.03	0.03	0.00	0.00	0.05
Coto LS - Replace Check Valves	0.05	0.05	0.04	0.01	0.00	0.01	0.00	0.00	0.00	0.01
Los Alisos Z3 PRS - Replace Valves	0.05	0.05	0.01	0.04	0.00	0.01	0.02	0.00	0.00	0.04
Domestic Water System - Replace Bilco Door at IRWD El Toro/Normandale Intertie	0.03	0.03	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.03
PW Drought Rate Into CIS	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
SCADA - Terminal/Server Replacements FY 2023	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.02
Vault D- PRS - Rebuild	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01

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IDs 1-8 FY 2024 Capital Improvement Project Roll-Up Details (\$ millions)

Program and Project Descriptions	Original Budget ⁽¹⁾	Current Project Budget	Spent to Date	Net Remaining Costs	Spending Projections ⁽³⁾			Funding		
					FY2023	FY2024	FY2025	Net Revenue / Reserves	Other Funding ⁽²⁾	Future Bond
CRP – JB Latham Treatment Plant (SOCWA)	1.24	5.23	1.12	4.11	1.42	2.69	0.00	0.00	0.00	4.11
SOCWA - Repairs/Replacements 2024	0.00	1.57	0.00	1.57	0.00	1.57	0.00	0.00	0.00	1.57
SOCWA - MNWD Portion Repairs/Replacements FY2023	0.00	1.30	0.00	1.30	1.30	0.00	0.00	0.00	0.00	1.30
SOCWA - Repairs/Replacements 2023	1.24	1.24	1.12	0.12	0.12	0.00	0.00	0.00	0.00	0.12
SOCWA - MNWD Portion Repairs/Replacements FY2024	0.00	1.12	0.00	1.12	0.00	1.12	0.00	0.00	0.00	1.12
CRP – FY 2024 Budget New Projects	0.08	9.81	0.09	9.72	0.28	6.17	2.57	0.00	0.00	9.72
Lakeside Pump Station - Replace Suction Piping	0.00	1.00	0.02	0.98	0.00	0.49	0.49	0.00	0.00	0.98
Domestic Water System - Replace Casta Golf Course Line	0.00	0.80	0.00	0.80	0.00	0.32	0.48	0.00	0.00	0.80
Wastewater System - Various Sewer Repairs FY 2024	0.00	0.60	0.00	0.60	0.00	0.60	0.00	0.00	0.00	0.60
Altisima Z5 PS - Replace MCC and ATS	0.00	0.55	0.00	0.55	0.00	0.22	0.33	0.00	0.00	0.55
Domestic Water System - Contingent Projects FY 2024	0.00	0.50	0.00	0.50	0.00	0.15	0.00	0.00	0.00	0.50
San Juan Creek LS - Replace pumps	0.00	0.50	0.00	0.50	0.25	0.25	0.00	0.00	0.00	0.50
Wastewater System - Contingent Projects FY 2024	0.00	0.50	0.00	0.50	0.00	0.15	0.00	0.00	0.00	0.50
SC-5 - Replace Valves	0.00	0.50	0.00	0.50	0.00	0.25	0.25	0.00	0.00	0.50
Domestic Water - Automated Meter Replacement FY 2024	0.00	0.30	0.00	0.30	0.00	0.23	0.08	0.00	0.00	0.30
Domestic Water System - Various Domestic Repairs FY 2024	0.00	0.30	0.00	0.30	0.00	0.12	0.18	0.00	0.00	0.30
Recycled Water System - Contingent Projects FY 2024	0.00	0.30	0.00	0.30	0.00	0.12	0.18	0.00	0.00	0.30
Wastewater System - I/I Study - Phase 1	0.00	0.25	0.00	0.25	0.00	0.13	0.13	0.00	0.00	0.25
MNWD - ETM Manhole Adjustments	0.00	0.16	0.00	0.16	0.00	0.06	0.10	0.00	0.00	0.16
Lake Mission Viejo AWTF - Replace Membranes FY 2024	0.00	0.15	0.00	0.15	0.00	0.06	0.09	0.00	0.00	0.15
Alicia Z3 Reservoir - Replace Valves	0.00	0.10	0.00	0.10	0.00	0.05	0.05	0.00	0.00	0.10
Upper Chiquita Reservoir - Replace Sump Pump on Cover	0.08	0.08	0.07	0.01	0.01	0.01	0.00	0.00	0.00	0.01
Meadow Ridge LS - New Motor	0.00	0.06	0.00	0.06	0.00	0.02	0.04	0.00	0.00	0.06
Melinda PS - Replace 4 Isolation Valves	0.00	0.06	0.00	0.06	0.00	0.03	0.03	0.00	0.00	0.06
SCADA - Terminal/Server Replacements FY 2024	0.00	0.05	0.00	0.05	0.00	0.02	0.03	0.00	0.00	0.05
Coral Gardens LS - Replace Generator	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.05
Meadow Ridge LS - Replace Generator	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.05
Tres Vistas LS - Replace Generator	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.05
Clubhouse Z3 PRS - Replace Pipes and Valves	0.00	0.05	0.00	0.05	0.00	0.03	0.03	0.00	0.00	0.05
Horno Basin ZA Pump Station - Optimization Program	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.05
SJGP - Upgrade PLCs at 7 Well Sites (IDs 1-8)	0.00	0.05	0.00	0.05	0.02	0.02	0.00	0.00	0.00	0.05
Altisima Z5 PS - Paint/Recoating	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.03
Domestic Water System - Alicia Z4 System and Force Main	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.03
Upper Chiquita Reservoir - Repair I/O Rotork Actuators	0.00	0.20	0.00	0.20	0.00	0.10	0.10	0.00	0.00	0.20
Contingency	0.00	2.50	0.00	2.50	0.00	2.50	0.00	0.00	0.00	2.50

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IDs 1-8 FY 2024 Capital Improvement Project Roll-Up Details (\$ millions)

Program and Project Descriptions	Original Budget ⁽¹⁾	Current Project Budget	Spent to Date	Net Remaining Costs	Spending Projections ⁽³⁾			Funding		
					FY2023	FY2024	FY2025	Net Revenue / Reserves	Other Funding ⁽²⁾	Future Bond
Chiquita Water Reclamation Plant Various Projects	8.73	14.11	3.79	10.31	0.15	5.45	4.07	0.00	0.00	10.31
CWRP - Asphalt Repairs	0.00	1.25	0.00	1.25	0.00	0.63	0.63	0.00	0.00	1.25
CWRP - Clean/Recoat Digesters FY 20-24	1.20	1.20	0.50	0.70	0.00	0.28	0.42	0.00	0.00	0.70
CWRP - Generator Load Bank	0.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
CWRP - Replace Digester Area Hot Water Piping	0.50	0.94	0.94	0.01	0.00	0.01	0.00	0.00	0.00	0.01
CWRP - Secondary Clarifier 1 and 4 Rehab	0.80	0.80	0.43	0.37	0.00	0.19	0.19	0.00	0.00	0.37
CWRP - Site Master Plan, Demo, Repurpose	0.00	0.75	0.00	0.75	0.00	0.06	0.35	0.00	0.00	0.75
CWRP - Primary Clarifier 4 Launder Coating	0.65	0.65	0.01	0.64	0.00	0.13	0.51	0.00	0.00	0.64
CWRP - Digester Gas Compressor System Modifications	0.60	0.60	0.00	0.60	0.06	0.36	0.18	0.00	0.00	0.60
CWRP - Refurbish Microturbines	0.50	0.56	0.56	0.01	0.00	0.01	0.00	0.00	0.00	0.01
CWRP - Dewatering/Belt Press Rebuild	0.50	0.50	0.42	0.08	0.00	0.08	0.00	0.00	0.00	0.08
CWRP - Filtrate Tank Rehab	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.00	0.00	0.50
CWRP - Replace Centrifugal Blower FY2022	0.45	0.45	0.00	0.45	0.00	0.09	0.36	0.00	0.00	0.45
CWRP - Replace Centrifugal Blower FY2025	0.00	0.40	0.00	0.40	0.00	0.22	0.18	0.00	0.00	0.40
CWRP - Site Improvements Primary/Secondary Areas	0.40	0.40	0.29	0.11	0.00	0.11	0.00	0.00	0.00	0.11
CWRP - Replace RAS/WAS Pumps	0.30	0.30	0.00	0.30	0.00	0.06	0.24	0.00	0.00	0.30
CWRP - Site Improvements	0.30	0.30	0.00	0.30	0.00	0.06	0.24	0.00	0.00	0.30
CWRP - Perform Electrical Study	0.25	0.25	0.00	0.25	0.00	0.08	0.18	0.00	0.00	0.25
CWRP - Replace Aeration Diffusers	0.25	0.25	0.06	0.19	0.06	0.13	0.00	0.00	0.00	0.19
CWRP - Replace Sludge Pumps at Primary Clarifier	0.25	0.25	0.13	0.12	0.00	0.11	0.01	0.00	0.00	0.12
CWRP - Upgrade Security	0.25	0.25	0.01	0.24	0.00	0.09	0.07	0.00	0.00	0.24
CWRP - Access Road for Secondary Clarifier	0.00	0.25	0.00	0.25	0.00	0.25	0.00	0.00	0.00	0.25
CWRP - Recycled Pump Refurb	0.21	0.21	0.11	0.10	0.00	0.04	0.03	0.00	0.00	0.10
CWRP - Rehab Structures (FY 2023)	0.20	0.20	0.00	0.20	0.00	0.04	0.08	0.00	0.00	0.20
CWRP - Potable Water Supply	0.20	0.20	0.02	0.18	0.00	0.06	0.07	0.00	0.00	0.18
CWRP - Repurpose Gravity Sludge Thickener	0.20	0.20	0.18	0.02	0.00	0.02	0.00	0.00	0.00	0.02
CWRP - Assess, Rehabilitate Gas Sphere	0.18	0.18	0.01	0.16	0.00	0.16	0.00	0.00	0.00	0.16
CWRP - Preliminary Architectural for Lab Expansion	0.15	0.15	0.00	0.15	0.00	0.03	0.06	0.00	0.00	0.15
CWRP - Replace Solar Inverters	0.15	0.15	0.00	0.15	0.00	0.06	0.09	0.00	0.00	0.15
CWRP - Flame Arrestor Upgrades	0.00	0.15	0.00	0.15	0.00	0.15	0.00	0.00	0.00	0.15
CWRP - SCADA Replacements	0.00	0.13	0.08	0.05	0.00	0.03	0.02	0.00	0.00	0.05
CWRP - Replace scum pumps	0.13	0.13	0.00	0.13	0.00	0.07	0.07	0.00	0.00	0.13
Bldg Vent Fan Replace Solids Area	0.00	0.10	0.00	0.10	0.02	0.08	0.00	0.00	0.00	0.10
CWRP - Sec Flow EQ Basin Exp Jt Rehab	0.00	0.10	0.00	0.10	0.00	0.05	0.05	0.00	0.00	0.10
CWRP - AB Eff Channel Bulk Heads	0.00	0.08	0.00	0.08	0.00	0.08	0.00	0.00	0.00	0.08
CWRP - Flare Instr and Elect Rehab	0.00	0.08	0.00	0.08	0.00	0.05	0.02	0.00	0.00	0.08
CWRP - Replace Tertiary Filters Backwash Pumps	0.06	0.06	0.01	0.05	0.00	0.02	0.02	0.00	0.00	0.05
CWRP - Replace Filtrate Pumps	0.05	0.05	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.01
CWRP - AB Odor Scrubber Stack Modifications	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.04
CWRP - Sludge Blanket Detectors for Prim Clarifiers	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.03
CWRP - Oils Storage Modifications	0.00	0.02	0.00	0.02	0.00	0.01	0.01	0.00	0.00	0.02

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