

FINAL DRAFT

ORANGE COUNTY WATER DISTRICT
BUDGET REPORT
FY 2025 - 2026



Orange County Water District
Budget Report
Fiscal Year 2025-26

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John C. Kennedy
General Manager

ORANGE COUNTY WATER DISTRICT
BUDGET REPORT
FISCAL YEAR 2025-26

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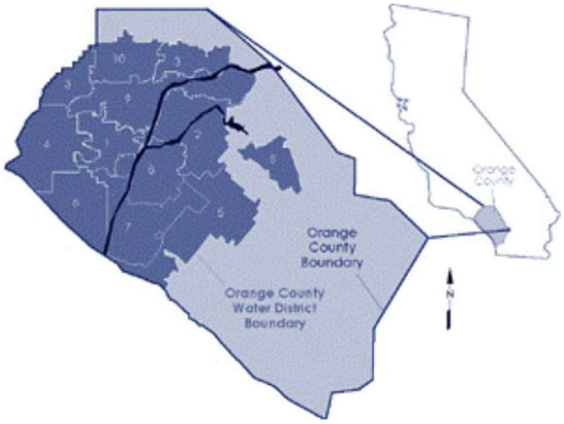
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ORANGE COUNTY WATER DISTRICT
HISTORY AND CHARACTER

The District receives an average of only 13 to 15 inches of rainfall annually, yet sustains a population of approximately 2.5 million people. The residents and businesses within the District have two primary sources of drinking water. One source is a natural underground reservoir, called the Orange County groundwater basin. The other source, referred to as imported water, comes from Colorado through the Colorado River Aqueduct and from the Sacramento/San Joaquin Delta in Northern California through the State Water Project.



The groundwater basin was used by early settlers to supplement flows from the Santa Ana River.

As the area developed into a thriving agricultural center, the increased demand upon the subsurface water by the county's many wells resulted in a gradual lowering of the water table. In response, the Orange County Water District was formed in 1933 by a special act of the California State Legislature. OCWD manages the groundwater basin that underlies the northwest half of the county, supplying a significant percentage of the District's total water demand. The remaining demand is obtained through the Colorado River Aqueduct and State Water Project via the Metropolitan Water District of Southern California and the Municipal Water District of Orange County.

DISTRICT VITAL STATISTICS

Date of Enactment: 1933
Form of Government: Special District of the State of California
Area (square miles): 381
Employees (full-time equivalent): 227

Major Groundwater Producing Agencies:

Anaheim, City of
Buena Park, City of
East Orange County Water District
Fountain Valley, City of
Fullerton, City of
Garden Grove, City of
Golden State Water Company
Huntington Beach, City of
Irvine Ranch Water District
La Palma, City of
Mesa Water District
Newport Beach, City of
Orange, City of
Santa Ana, City of
Seal Beach, City of
Serrano Water District
Tustin, City of
Westminster, City of
Yorba Linda Water District

Section 1
General Manager’s Message

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April 16, 2025

Board of Directors
Orange County Water District

Subject: BUDGET FOR FISCAL YEAR 2025-26

OVERVIEW

I am pleased to present to the Board of Directors the recommended budget for fiscal year (FY) 2025-26. The budget includes general fund expenditures, debt service, water purchases, refurbishment and replacement items, and capital projects for Board review and consideration. Development of the draft budget began in December 2024 with a Board review of the preparation schedule.

The District's general fund budget has been subdivided into 21 cost centers to provide greater detail. During January, I met with all the District's managers to prepare the budgets for these cost centers.

The draft budget was reviewed at the Board meeting on March 5. Additional meetings and workshops were held on the budget through April with the Board and Groundwater Producers (Producers). The final budget presents the culmination of these meetings and workshops, along with a new review of the budget by me as General Manager, which leads to changes in expenses as shown in Table 1.

The budget describes activities and projects that are primarily a continuation of the District's existing workload. We expect the Groundwater Replenishment System (GWRS) to produce 128,000 acre-feet of water supplies. The budget is based on a Basin Production Percentage (BPP) of 85 percent, which corresponds to approximately 297,000 acre-feet of pumping in FY 2025-26.

Highlights and assumptions of the proposed budget include:

- This plan assumes average hydrology.
- The budget reflects a 5,000 acre-feet water purchase of MWD untreated full-service water.
- This plan includes paying $85.2 million for Producer Per and Polyfluoroalkyl Substances (PFAS) treatment facilities in FY 2025-26. The District is proposing to use PAYGO funds out of the FY 2025-26 budget, grants, and reserves to pay for these costs.
- Increase in General Fund expenses by approximately $4.8 million from the prior year.
- Includes $4.8 million of Producers' treatment O&M cost for PFAS.
- Four and a half percent cost of living adjustment and three percent merit increase based upon employee performance have been budgeted.

Board of Directors

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- The District's full-time headcount will be 227.
- The groundwater basin's projected June 30, 2025 accumulated overdraft is estimated at approximately 113,000 acre-feet (af).

Table 1

PROPOSED CHANGES TO DRAFT FY 2025-26 BUDGET

ITEM	ADDITION/(REDUCTION)	NOTES
General Fund Budget	($21,000)	Updated sponsorships in General Manager department
General Fund Budget	$9,500	Updated inter-agency agreements in General Manager department
General Fund Budget	($30,000)	Updated GWRS cost in Public Affairs department
General Fund Budget	($10,000)	Updated special department expenses in Public Affairs department
General Fund Budget	$15,000	Updated professional services in Regulatory Affairs department

The recommended budget would require an increase in the Replenishment Assessment (RA) to $711 per acre-foot for FY 2025-26 from the current year's RA of $688. Table 1A provides a summary of the proposed budget:

Table 1A

2025-26 PROPOSED BUDGET

EXPENDITURES	BUDGETED FY 24-25 ($ MILLIONS)	PROPOSED FY 25-26 ($ MILLIONS)
General Fund	105.2	110.0
Debt Service	46.5	44.5
Water Purchases	6.0	11.1
New Equipment	0.9	0.5
Capital Improvement Program	59.4	87.2
Refurbishment and Replacement Expenditures	23.6	28.5
Contribution to R&R fund	7.0	4.4
Retiree Health Insurance Trust	0.6	0.6
Producer Well Loan Program	-----	2.5
Producer's PFAS O&M	5.4	4.8
Total	**$254.6**	**$294.1**

BUDGET DETAILS

The Orange County Water District strives to improve the efficiency of all aspects of its operations in its continuing efforts to increase the water quality and reliability of Orange

County's local water resources at the lowest possible cost. The FY 2025-26 budget reflects the wide range of programs necessary to accomplish the District's primary mission of proactively managing the Orange County groundwater basin. The following sections provide highlights of the budget.

EXPENDITURES

GENERAL FUND BUDGET - $110.0 MILLION

The District has 21 cost centers and their proposed activities for the year are provided in detail in later sections of this document.

The District continually attempts to minimize increases to the General Fund by taking actions such as limiting administrative personnel, reviewing operations, maximizing outside funding opportunities, and reviewing all vacant positions before they are refilled.

The General Fund budget contains the expenses of operating several facilities including:

- The GWRS Advanced Water Purification Facility
- Green Acres Project (GAP)
- Talbert seawater barrier injection facilities
- Water quality monitoring well maintenance and sampling
- Laboratory
- Recharge operations in Anaheim and Orange
- Alamitos seawater barrier injection facilities
- Prado Wetlands and water conservation programs

The District's total salary and benefit costs are projected to be $44.9 million, which is allocated as follows: $44.0 million to the General Fund and $0.9 million to capital projects. As described in the Work Plans, the budget proposes a headcount of 227.

WATER PURCHASE BUDGET - $11.1 MILLION

The proposed FY 2025-26 water budget is $11.1 million and calls for purchasing 5,000 acre-feet of untreated full-service water from the Metropolitan Water District (MWD). Any money not spent in the annual water budget would remain in the water reserve fund. The basin's accumulated overdraft is estimated to be 113,000 acre-feet as of June 30, 2025.

Debt Service Budget - $44.5 Million

The District will have approximately $784.3 million in outstanding debt at the start of the budget year. This year's total debt service budget will be $44.5 million, comprised of $19.5 million of fixed rate debt, $4.5 million of swap payments and variable rate debt, $15.0 million in SRF debt payments, $4.6 million of commercial paper debt, which includes $4.5 million in principal reduction and $0.9 million for debt administration. The interest rate on variable rate debt has been budgeted at 3.75 percent. The District will utilize $44.5 million from Replenishment Assessment revenues and property tax revenues to meet this obligation.

The District bonds hold very high credit ratings of AAA from Standard & Poor's and Fitch along with an Aa1 rating from Moody's. The ratings assigned by these three agencies have a direct impact on the District's ratepayers. The District's high credit ratings translate

into lower annual interest payments and reduced letter of credit fees on its variable rate debt and commercial paper.

RETIREE HEALTH INSURANCE TRUST FUND - $0.6 MILLION

The new GASB standards required the District to receive a new actuarial study in August 2024, with a measurement date of June 30, 2023. The actuarial study determined the District's net OPEB liability and the new actuarially determined contributions (ADC) to provide the retiree medical benefit. The Board has directed funding for this liability to our PARS trust per the actuarial study measured as of June 30, 2023.

The trust fund is estimated to have a value of approximately $31 million at the end of the current budget year. The recommended FY 2025-26 budget includes $0.6 million to continue fully funding the District's ADC. This cost is also referred to as Other Post Employment Benefits (OPEB).

Producer Well Loan Program - $2.5 MILLION

It has been a fundamental management goal of the District that each Groundwater Producer can pump up to the BPP wherever it is established. This goal is part of the District's overall management philosophy that all Producers should be treated the same with equal access to the groundwater basin. The District charges the same Replenishment Assessment (RA) to each Producer and each Producer currently has the same BPP. Under this philosophy, each Producer has the same water supply cost and water reliability, and no Producer feels they are operating at a disadvantage to others within OCWD. To always achieve the BPP goal, Producers need excess pumping capacity for years when a well or wells may require maintenance or be turned off due to a water quality issue. Additionally, it is generally good for Producers to have the ability to pump 100% of their water needs. In order to achieve this District goal, the District has created a Producer Well Construction Loan Program with $2.5 million in the FY 2025-26 budget for this program.

Replacement and Refurbishment (R&R) Fund Budget - $28.9 Million

The District has over $1.5 billion in existing plant and equipment assets. These facilities annually depreciate and require replacement and refurbishment to maintain their capabilities. In October 1998, the District formally established an R&R Fund.

In 2004 the R&R program was downsized to only include infrastructure type assets. The amount of money annually transferred into the R&R program was reduced from $4.5 million to $2.8 million with this change. The transfer amount has been growing by seven percent annually to provide sufficient funds to meet future expected R&R expenditures. The annual contribution also increased by $4.5 million with the construction of the GWR System.

The total contribution in FY 2025-26 will be $28.9 million. The R&R program and model were formally reviewed and updated in 2019 with various departments.

Actual expenditures from the fund vary significantly each year depending upon which District assets have reached the end of their useful life and need to be replaced, or which assets can extend their lives by refurbishment. In FY 2025-26, the proposed R&R expenditures are $28.5 million.

The R&R Program Fund balance is expected to increase from an estimated $135.7 million on June 30, 2025 to $140.1 million on June 30, 2026.

Capital Projects Budget - $87.2 Million

The District prepares a multi-year CIP budget to support its mission. The CIP budget spans five years and provides expected capital expenditures over the 5-year period. The CIP budget is comprised of twenty-seven projects totaling $87.2 million in FY 2025-26. These projects are funded through grants and Replenishment Assessment revenues or current revenues (PAYGO) rather than borrowed funds. Details of the CIP are provided in Section 8 of the budget book.

The projects for example are necessary to:

- Remediate PFAS to meet California Drinking Water Standards
- Support basin production by increasing recharge capacity and operational flexibility.
- Protect the coastal portion of the basin.

The CIP program and the capitalization of expenditures comply with the adopted District policy in October 2000, which: (1) defines the types of expenditures that can be capitalized; and (2) uses long-term debt to fund the projects. Each project included in the CIP must be individually reviewed and approved by the Board prior to design and construction.

NEW CAPITAL EQUIPMENT ITEMS - $0.5 MILLION

This budget includes small equipment items such as laboratory equipment, machines, tools, computers and software, pumps, equipment, etc. These items are funded using current revenues.

A detailed list of these items is provided in Section 9 of the budget book.

PFAS O&M EXPENDITURE - $4.8 MILLION

This budget includes $4.8 million towards the reimbursement of 50% Share of a PFAS Treatment Operating Cost. The PFAS Treatment Facilities and Program Agreement that OCWD has executed with eleven Groundwater Producers calls for the District to pay 50% of the PFAS treatment facilities operating cost up to the current fiscal year maximum adjusted cost. This rate is automatically adjusted annually on July 1st per the agreement by the percentage differential based on the last two annual indices set forth in the Bureau of Labor Statistics Consumer Price Index for All Urban Consumers - Los Angeles-Long Beach-Anaheim. The rate is currently $89.6 and can be expected to increase by approximately 2.9% on July 1, 2025 to $92.2 per acre-foot.

The staff estimated amount of PFAS treated groundwater is 100,000 acre-feet with a treatment operating cost share estimate of $4.8 million.

REVENUES

ASSESSMENTS - $210.9 MILLION RA; $2.75 MILLION BASIN EQUITY ASSESSMENT

All water pumped out of the groundwater basin will be assessed the RA on a dollar per acre-foot basis of $711. The RA is expected to generate $210.9 million in revenue for

FY 2025-26 based on 297,016 acre-feet of total anticipated basin production at 85 percent BPP.

The Basin Equity Assessment (BEA) rate is calculated for each Producer based on the treated full service MWD water rate and each Producer's energy cost to pump groundwater. The BEA is assessed annually in September for all groundwater production above the BPP. For FY 2025-26, $2.75 million of BEA revenue is expected to be received.

AD VALOREM PROPERTY TAXES – $40.8 MILLION

The District expects to receive approximately $40.8 million in property taxes collected within the service area.

The County of Orange assesses and collects the taxes and transfers them to the District at various times during the year. This revenue source is dedicated to the District's debt service expenditure.

INVESTMENT REVENUE – $8.4 MILLION

The District's cash reserves generate investment revenues. The majority of cash reserves are invested in short-term securities per the District's Investment Policy.

Investment revenues have been estimated at $4.1 million for the General Fund. Approximately $4.0 million of the investment revenues are generated by and for the R&R reserve, $0.2 million will be generated from the water reserve, and $0.1 million for the PAYGO reserve.

MISCELLANEOUS REVENUES – $12.5 MILLION

MISCELLANEOUS REVENUES ARE COMPRISED OF NUMEROUS ITEMS INCLUDING:

Water sales from the Green Acres Project (GAP)	$2.8 M
Annexation fees	$2.7 M
Rents & leases	$1.7 M
Other grants and misc. items	$5.3 M
Total	$12.5 M

RESERVES

The District maintains cash reserves to ensure its financial integrity so that the groundwater basin can be successfully managed and protected. Cash reserves ensure that:

- The District has sufficient funds for cash flow purposes.
- Funds are available for unexpected events.
- Funds are available to make necessary replacements and refurbishments to the District's infrastructure.
- The District has access to debt programs with very low interest costs.
- A financial hedge is in place to balance the amount of outstanding variable rate debt that the District has issued in case interest rates rise.

The District has developed policies that result in the establishment of the reserve and operating fund levels shown in Table 2. The net effect of the proposed budget would be

a decrease of $25.2 million to total District reserves, an increase of $4.4 million in the Replacement and Refurbishment Fund, a $6.3 million increase in the Water Reserve Fund, a decrease of $2.0 million in G.W. Contamination Clean-up Funds, $40.0 million decrease in PAYGO, an increase of $2.9 million in the Operating reserve fund and an increase of $3.2 million in the Operating fund.

Table 2
Operating Reserves Levels

Reserve	Beginning FY 24-25 ($/million)	Projected Year-end FY 24-25 ($/million)	Projected Year-end FY 25-26 ($/million)
R&R Fund	124.6	135.7	140.1
Emergency Response Fund	4.0	4.0	4.0
G.W. Contamination Cleanup	18.6	34.0	32.0
Contingencies Reserve Fund	3.0	3.0	3.0
SRF Loan Reserve Fund	2.0	2.0	2.0
Water Reserve Fund	7.5	7.7	14.0
PAYGO Fund	37.8	40.0	0.0
Operating Reserve Fund (15% of operating budget)	25.3	28.2	31.1
Sub-total	**222.8**	**254.6**	**226.2**
Operating Fund			
Operating Fund	59.7	57.3	60.5
TOTAL	**282.5**	**311.9**	**286.7**

COST CUTTING EFFORTS

Staff has been and will continue to work to reduce District costs to minimize rate increases. Examples of current and prior cost cutting efforts include:

- Locked in low electricity cost with power supplier via Direct Access.
- The District continues negotiating payment term discounts with vendors.
- Prepaying the 2019A Notes six months early.
- The GWRS RO cleaning process has been optimized to reduce citric acid usage as membranes age.
- Utilize Single Use Accounts to pay vendors.
- Applied for and received low cost WIFIA loan for Producer's PFAS Treatment Facilities.
- Utilized CP program to minimize MWD rate increase on FY 2017-18 in-lieu program.
- Worked with SWRCB to eliminate the reserve fund requirement for state revolving fund loan for the GWRS Final Expansion project.

- Worked with the USEPA WIFIA management to reset the WIFIA loan interest rate from 3.06% to 1.04% for the GWRSFE Project.
- Implemented AP Processing software to improve efficiency and lower costs.

CONCLUSION

The proposed FY 2025-26 budget represents an expenditure plan that is fiscally sound and incorporates significant budget reductions while supporting necessary programs. As part of the District's commitment to provide local groundwater producers with a reliable, high-quality water supply at the lowest reasonable cost, the following areas will continue to be emphasized:

- Minimize administrative and overhead type costs;
- Protect the coastal portion of the groundwater basin;
- Increase local water supplies where economical; and
- Maintain the financial health and integrity of the District.

Respectfully submitted,

John C. Kennedy
General Manager

Section 2
Summaries

Combined Summary
Sources and Uses of Funds
General Fund Budget Summary
General Fund Budget Comparison
District Memberships
OCWD Headcount
Key Financial Metrics

Orange County Water District
Combined Summary
Fiscal Year 2025-26

Revenues		
Property Taxes	$	40,778,385
Replenishment Assessment	$	210,934,338
Basin Equity Assessment	$	2,750,000
Facility Revenue from Other Agencies (GAP)	$	2,804,629
Investment Revenues	$	8,455,789
Rent, Royalties and Others	$	4,700,154
Appropriation from Paygo reserves	$	18,739,452
Grants	$	5,000,000
Total Revenues/Others	**$**	**294,162,747**

Appropriations		
General Fund	$	109,945,000
PFAS O&M Expenditure	$	4,800,000
New Equipment	$	539,000
Water Purchases	$	11,095,000
Retiree Health Trust	$	640,000
Producer Well Loan Program	$	2,500,000
Debt Service	$	44,507,135
Capital Projects	$	87,239,452
R&R Fund Expenditures	$	28,462,990
Appropriation to R&R reserves	$	4,434,170
Total Appropriations	**$**	**294,162,747**

Sources and Uses of Funds
Fiscal Year 2025-26

Uses		Sources								
	Total	Replenishment Assessment	Basin Equity Assessment	Taxes	GAP Revenues	Investment Revenue	Reserve Fund Drawdown	Rent & Others	Grants	Total
General Fund	$ 109,945,000	$ 98,335,882			$ 2,804,629	$ 4,115,789		$ 4,688,700		$ 109,945,000
PFAS O&M Expenditure	$ 4,800,000	$ 4,800,000								$ 4,800,000
New Equipment	$ 539,000	$ 539,000								$ 539,000
Water Purchases	$ 11,095,000	$ 8,105,000	$ 2,750,000			$ 240,000				$ 11,095,000
Debt Service	$ 44,507,135	$ 3,717,296		$ 40,778,385				$ 11,454		$ 44,507,135
Producer Well Loan Program	$ 2,500,000	$ 2,500,000								$ 2,500,000
Retiree Health Trust	$ 640,000	$ 640,000								$ 640,000
Capital Projects	$ 87,239,452	$ 63,400,000				$ 100,000	$ 18,739,452		$ 5,000,000	$ 87,239,452
R&R Fund Expenditures	$ 28,462,990	$ 28,462,990								$ 28,462,990
Appropriation to R&R reserves	$ 4,434,170	$ 434,170				$ 4,000,000				$ 4,434,170
	$ 294,162,747	$ 210,934,338	$ 2,750,000	$ 40,778,385	$ 2,804,629	$ 8,455,789	$ 18,739,452	$ 4,700,154	$ 5,000,000	$ 294,162,747

General Fund Budget Summary
Fiscal Year 2025-26

Cost Center #	Cost Center	Salaries & Benefits	Services & Supplies	FY 25-26 Proposed Budget
1010	General Manager's Office	641,815	2,226,004	2,867,819
1012	Public Affairs	1,590,475	760,000	2,350,475
1016	Information Services	2,254,208	1,244,000	3,498,208
1018	Board Administration	1,589,577	509,072	2,098,649
1022	Purchasing	871,071	71,650	942,721
1024	Finance	2,466,675	94,250	2,560,925
1030	Human Resources	971,119	262,450	1,233,569
1034	Safety & Risk Management	545,619	2,219,876	2,765,495
1036	Water Quality	2,531,747	341,700	2,873,447
1038	Laboratory	6,027,098	2,020,730	8,047,828
1040	Research & Development	1,700,108	566,759	2,266,867
1044	Planning and Watershed Management	1,088,437	1,973,350	3,061,787
1045	Local Resources	361,863	2,850	364,713
1046	Regulatory Affairs	669,827	297,400	967,227
1050	Water Production/GWR System	12,683,151	46,428,920	59,112,071
1060	Recharge Operations	3,487,979	2,337,500	5,825,479
1062	Wetland Operations	327,619	252,100	579,719
1069	Property Management	186,522	235,022	421,544
1070	Engineering	947,629	1,169,400	2,117,029
1075	Hydrogeology	2,879,043	1,008,100	3,887,143
1080	Natural Resources	1,058,865	1,043,280	2,102,145
	Total (Rounded)	**$ 44,880,000**	**$ 65,064,000**	**$109,945,000**

General Fund Budget Comparison
Fiscal Year 2025-26

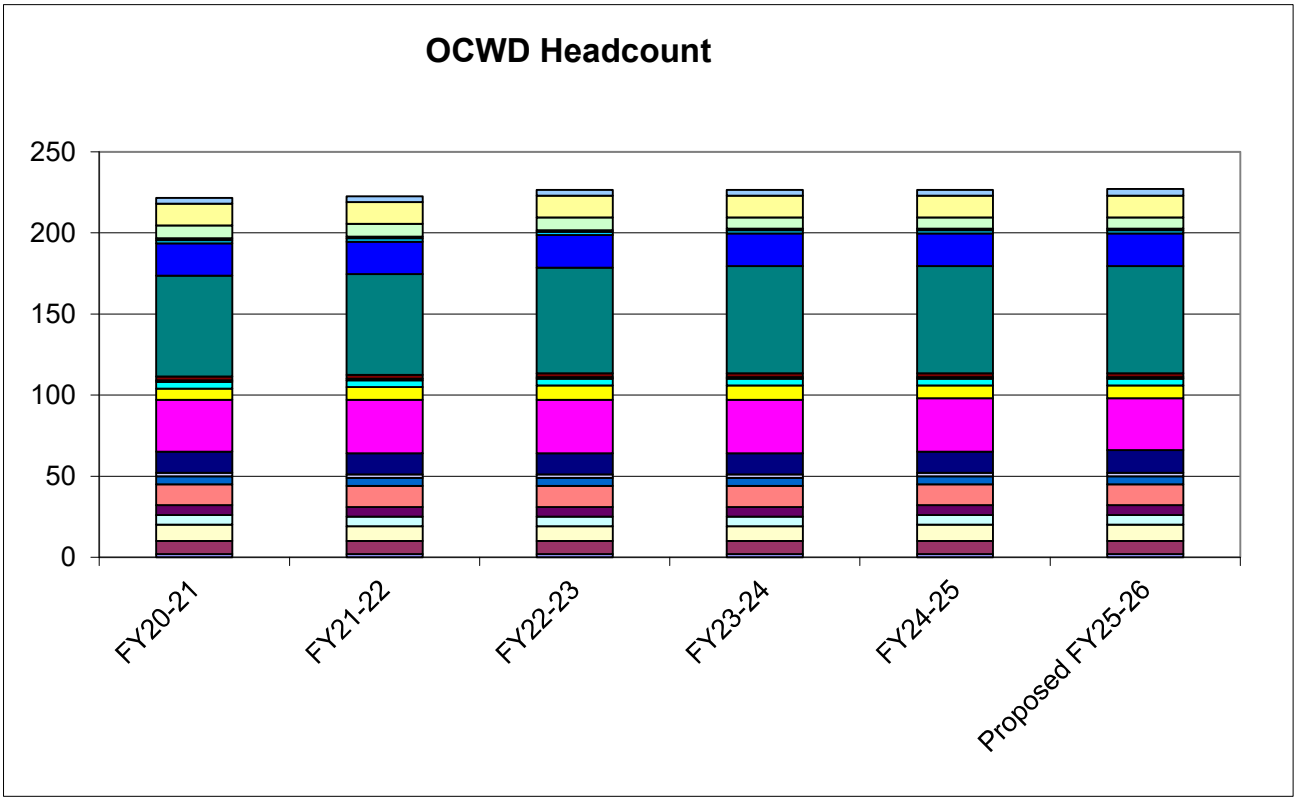
Cost Center #	Cost Center	FY 2025-26 Proposed Budget	FY 2024-25 Budget	Difference Over(Under)	% Increased or (Decreased)
1010	General Manager's Office	2,867,819	2,503,715	364,104	14.54%
1012	Public Affairs	2,350,475	2,137,245	213,230	9.98%
1016	Information Services	3,498,208	3,478,695	19,513	0.56%
1018	Board Administration	2,098,649	2,024,827	73,822	3.65%
1022	Purchasing	942,721	899,068	43,654	4.86%
1024	Finance	2,560,925	2,431,887	129,038	5.31%
1030	Human Resources	1,233,569	1,162,286	71,283	6.13%
1034	Safety & Risk Management	2,765,495	2,301,132	464,362	20.18%
1036	Water Quality	2,873,447	2,621,181	252,266	9.62%
1038	Laboratory	8,047,828	7,778,639	269,189	3.46%
1040	Research & Development	2,266,867	2,229,918	36,950	1.66%
1044	Planning & Watershed Management	3,061,787	2,221,764	840,023	37.81%
1045	Local Resources	364,713	360,805	3,908	1.08%
1046	Regulatory Affairs	967,227	1,038,943	(71,716)	-6.90%
1050	Water Production/GWR System	59,112,071	59,305,845	(193,773)	-0.33%
1060	Recharge Operations	5,825,479	5,363,883	461,596	8.61%
1062	Wetland Operations	579,719	539,401	40,318	7.47%
1069	Property Management	421,544	356,538	65,007	18.23%
1070	Engineering	2,117,029	1,114,296	1,002,733	89.99%
1075	Hydrogeology	3,887,143	3,744,082	143,061	3.82%
1080	Natural Resources	2,102,145	1,583,528	518,617	32.75%
	Total (rounded)	**$ 109,945,000**	**$ 105,198,000**	**$ 4,747,000**	**4.51%**

DISTRICT MEMBERSHIPS
FISCAL YEAR 2025-26

ORGANIZATION	AMOUNT
AMERICAN MEMBRANE TECHNOLOGY ASSOCIATION	600
AMERICAN WATER WORKS ASSOCIATION (AWWA)	2,150
ASSOCIATION OF CALIFORNIA CITIES - ORANGE COUNTY (ACC-OC)	5,300
ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA)	26,000
ASSOCIATION OF METROPOLITAN WATER AGENCIES (AMWA)	28,200
CAL DESAL	5,000
CAL STATE FULLERTON DEMOGRAPHICS	57,500
CALIFORNIA DATA COLLABORATIVE	16,500
CALIFORNIA GROUNDWATER COALITION	10,500
CALIFORNIA INVASIVE PLANT COUNCIL	1,000
CALIFORNIA MUNICIPAL UTILITIES ASSOCIATION (CMUA)	11,000
CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA)	9,800
CALIFORNIA WATER EFFICIENCY PARTNERSHIP (SRF LOAN)	6,200
CHAMBERS OF COMMERCE	5,000
CLEAN WATER SOCAL	2,100
COALITION FOR ENVIRON PROTECTION, RESTORATION AND DEVELOPMENT (CEPRD)	25,000
GROUNDWATER RESOURCES FOUNDATION (GRA)	1,500
INDEPENDENT SPECIAL DISTRICTS ASSOCIATION (ISDOC)	100
INTERNATIONAL DESALINATION AND REUSE ASSOCIATION (IDRA)	3,000
ORANGE COUNTY WATER ASSOCIATION	250
PROFESSIONAL MEMBERSHIPS (ASCE, WEF & IAAP)	700
SANTA ANA RIVER FLOOD PROTECTION AGENCY (SARFPA)	1,300
SCRIPPS WATER AFFILIATES GROUP	25,000
SOUTHERN CALIFORNIA SALINITY COALITION (NWRI)	10,000
SOUTHERN CALIFORNIA WATER COALITION	5,000
SOUTHWEST MEMBRANE OPERATORS ASSOCIATION	500
SUSTAIN SOCAL	1,500
URBAN WATER INSTITUTE	3,000
WATER EDUCATION FOUNDATION	8,000
NATIONAL WATER SUPPLY ALLIANCE	5,000
WATER RESEARCH FOUNDATION	170,000
WATEREUSE ASSOCIATION	20,000
DISTRICT MEMBERSHIPS TOTAL	**466,700**

OCWD Headcount

Cost Center	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Proposed FY25-26
General Manager's Office	2	2	2	2	2	2
Public Affairs	8	8	8	8	8	8
Information Services	10	9	9	9	10	10
Board Administration	6	6	6	6	6	6
Purchasing	6	6	6	6	6	6
Finance	13	13	13	13	13	13
Human Resources	5	5	5	5	5	5
Safety & Risk Management	2	2	2	2	2	2
Water Quality	13	13	13	13	13	14
Laboratory	32	33	33	33	33	32
Research & Development	7	8	9	9	8	8
Planning & Watershed Management	4	4	4	4	4	4
Local Resources	1	1	1	1	1	1
Regulatory Affairs	2.5	2.5	2.5	2.5	2.5	2.5
Water Production/GWR System	62	62	65	66	66	66
Recharge Operations	20	20	20	20	20	20
Wetland Operations	2	2	2	2	2	2
Property Management	1	1	1	1	1	1
Engineering	8	8	8	7	7	7
Hydrogeology	13.5	13.5	13.5	13.5	13.5	13.5
Natural Resources	3.5	3.5	3.5	3.5	3.5	4
	221.5	222.5	226.5	226.5	226.5	227



ORANGE COUNTY WATER DISTRICT

KEY FINANCIAL METRICS

JUNE 30, 2024 THROUGH JUNE 30, 2026

	2024 Actual	Forecast/ 2025 Budget	2026 Budget
TOTAL CASH AND INVESTMENTS (UNRESTRICTED)	$ 282,562,957	$ 311,900,000	$ 286,700,000
TOTAL OPERATING EXP. AND DEBT SVE FROM BELOW	132,906,610	149,300,383	154,533,741
DAYS CASH RATIO	***776***	***763***	***677***
COVERAGE RATIO:			
Replenishment assessments	$ 173,617,162	$ 200,858,622	$ 210,934,338
Reclaimed water revenue	2,636,908	2,722,941	2,804,629
Property tax	37,701,909	35,807,406	40,778,385
Rental income, net of expenses	1,824,857	1,700,000	2,115,069
Investment revenue	10,537,047	3,853,831	8,455,789
Other revenues	4,231,255	1,988,700	2,585,085
Total YTD revenues	230,549,138	246,931,500	267,673,295
Operating expenses including litigation expenses	98,448,583	112,133,110	115,385,000
Total Expenditures	98,448,583	112,133,110	115,385,000
Net revenues	132,100,555	134,798,390	152,288,295
Annual debt service	34,458,032	37,193,773	39,148,741
ALL-IN ADS COVERAGE RATIO	***3.8***	***3.6***	***3.9***

Section 3
Operations and Cost Center Descriptions

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Cost Center Profiles

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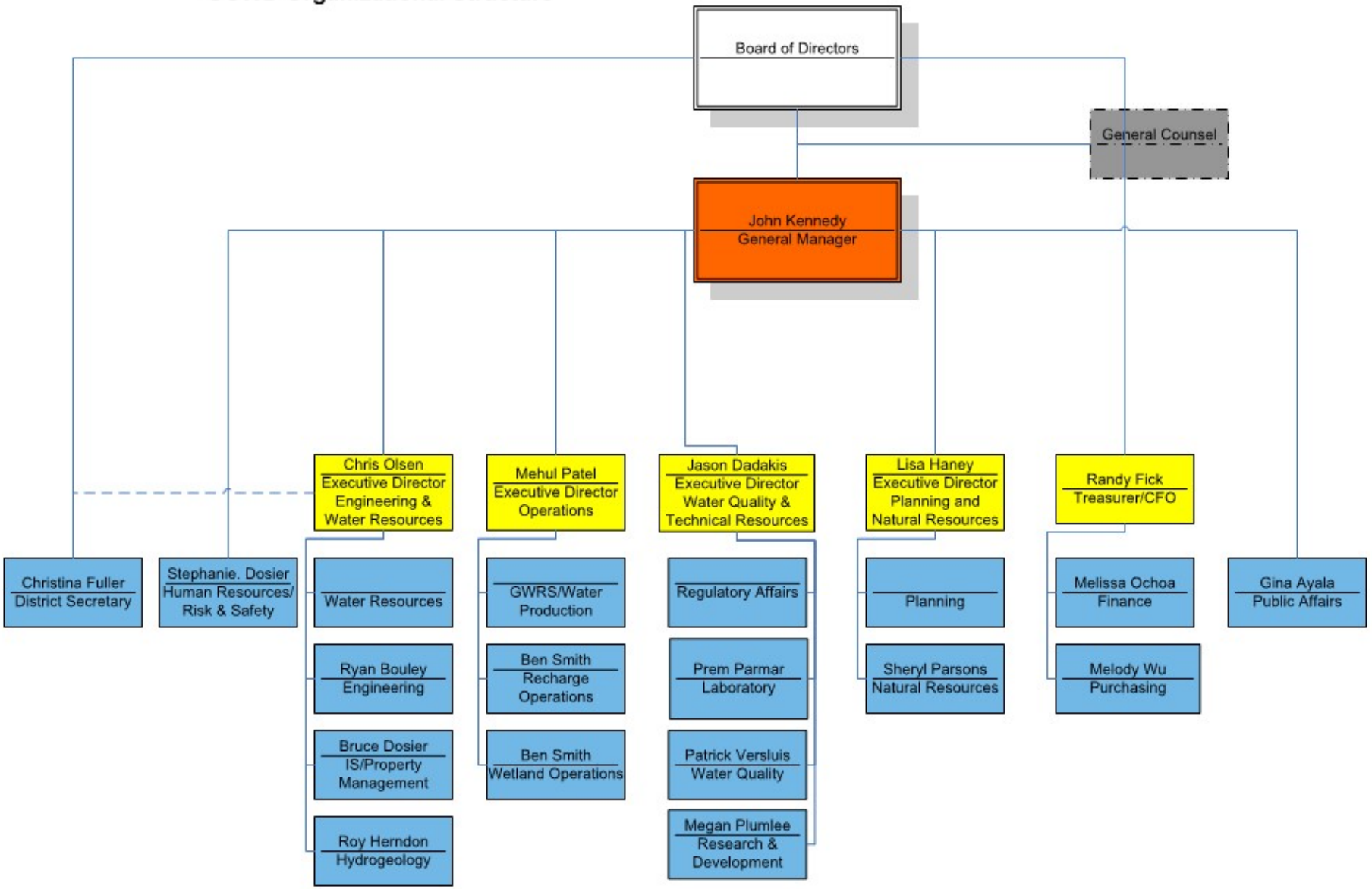
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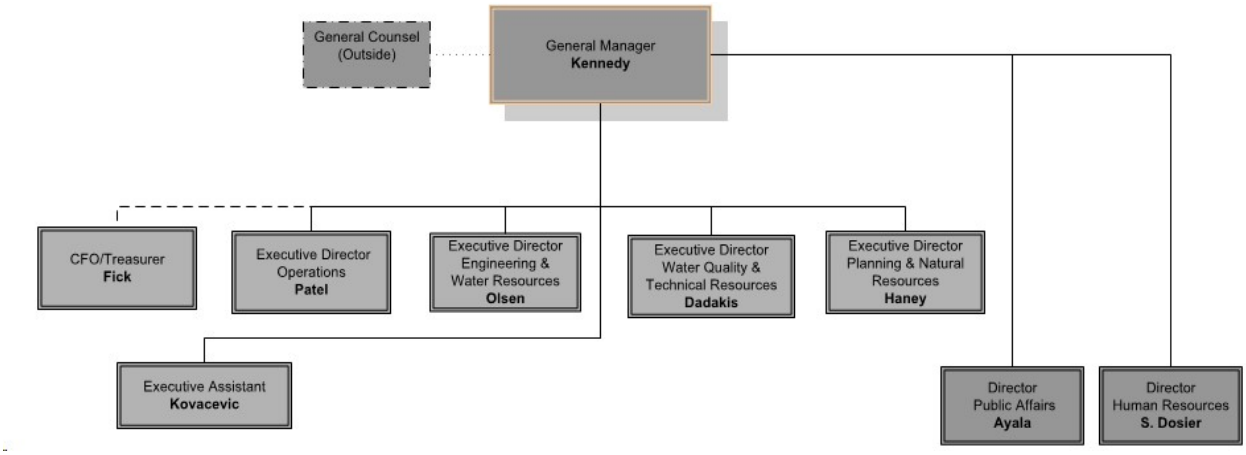
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OCWD Organizational Structure



OFFICE OF THE GENERAL MANAGER



Summary Information

Existing Staff – 2 FTEs

1 – General Manager

1 – Executive Assistant

Mission

Implement the policies of the Board of Directors.

Key Issues for FY 2025-26

- Continue implementation of the PFAS policy by completing the construction of wellhead treatment for the Phase I initial 62 wells and the Phase II 40 wells for 15 affected Groundwater Producers.
- Prepare to receive settlement money from the PFAS class action settlements and determine the Producer allocations.
- Maintain the operation of the Groundwater Replenishment System's (GWRS) at its full capacity of 130 million gallons per day.
- Continue to support legal efforts in the South Basin groundwater contamination case.
- Continue advocacy to obtain a PFAS liability exemption for water and wastewater agencies.
- Secure grant or low-interest loan funding for all capital projects through State and Federal programs.
- Fully implement the Prado Dam 508's operating deviation.
- Continue to advocate for funding at the State and Federal level for the study of Atmospheric Rivers which supports Forecast Informed Reservoir Operations (FIRO) and the pilot study conducted for the District at Prado Dam.
- Determine the best solution for the Sunset Gap Seawater intrusion issue.

- Closely monitor Colorado River negotiations and possible impacts to the OCWD service territory.
- Negotiate a new labor agreement with the Orange County Employee Association for FY26-27.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	844,656	626,810	641,815
Services and Supplies	1,886,477	1,876,905	2,226,004
Total	**$2,731,133**	**$2,503,715**	**$2,867,819**

I FY 2025-26 Major New Initiatives/Programs

- Determine the future of the Prado Wetlands.
- Determine Corp of Engineers strategy now that water conservation has been included as a priority in the operation of Prado Dam.
- Develop a SAR Watershed strategy regarding PFAS.
- Consider upgrades to the District's tour infrastructure.
- Support SAWPA in developing an Arundo removal program.
- Position OCWD to apply for grant funding from the 2024 Natural Resources Bond approved in November 2024.

II Core Activities

The General Manager's Office is charged with directing the activities of 227 full-time employees in their efforts to manage and protect the Orange County groundwater basin, which supplies 85% of the water used by 2.5 million people living in northern Orange County.

Core activities include:

- Establish the annual BPP, RA and BEA.
- Implementing and communicating the policies of the Board of Directors.
- Supporting and preparing for Board and Committee meetings.
- Managing organizational issues.
- Managing outside legal services.
- Coordinating legislative activities.
- Providing external communications.
- Coordinating with the Groundwater Producers.
- Participation in WateReuse CA and the WateReuse Association to help support District initiatives and policy development for potable reuse.

- Attend the Santa Ana Water Project Authority (SAWPA) meetings and engage the member agency's general managers in upper Santa Ana watershed activities.
- Coordinate with the Municipal Water District of Orange County (MWDOC) on Metropolitan Water District of Southern California (MWD) issues.

III Non-Core Activities

- Numerous requests for presentations and tours of District facilities.

IV Group Goals for FY 2025-26

Lawsuits – Actively manage and pursue legal actions and settlements regarding:

- PFAS litigation.
- South Basin Groundwater Protection Project.

Legislation – Advocate for the District's legislative interests at the federal, state, and local levels. Actively monitor and aggressively support/oppose legislation impacting the District's operations as necessary.

- *Federal:* Continue working with the Army Corps of Engineers (ACOE) to pursue additional water conservation and study Forecast Informed Reservoir Operations (FIRO) as a tool for water conservation. Work with the Environmental Protection Agency (EPA) to secure additional State Revolving Funds (SRF) for California and the Water Infrastructure Finance and Innovation Act (WIFIA) loan program. Engage in any PFAS related legislation that could affect the District. Continue working with federal legislators to secure funding for District projects and visit legislators and legislators' staff in Washington, D.C.
- *State:* Work with the Association of California Water Agencies (ACWA), SAWPA, California Special Districts Association (CSDA), WateReuse CA, and others to monitor potential legislation concerning water quality, and oppose legislating local issues; support good governance measures; monitor and apply for infrastructure/resource bond funding opportunities; monitor and take positions on legislation of importance to the District such as regulations concerning PFAS, and visit legislators and legislators' staff in Sacramento.
- *Local:* Work with local agencies, organizations (including the Orange County Business Council [OCBC], Orange County Association of California Cities [ACC-OC] and Orange County Council of Government [OCCOG]), elected officials and their staff members to protect the District's interests and operations. Meet with County supervisors and local city council members.

GWRS Operation – Maintain production of 128,000 acre-feet.

Organizational – Work to improve the recruitment and retention of employees.

Metropolitan Water District of Southern California (MWD) – Actively participate in the development of new policies dealing with groundwater issues, change the

policy to allow pumping of non-MWD potable supplies to be pumped into MWD pipelines, and provide technical assistance to MWD for its So Cal Pure Water Recycled Water Project.

Grant Funding – Actively pursue any source of grant funding for selected projects.

IV Pending Activities

- Active participation in WateReuse CA, WateReuse Association, The Water Research Foundation, and ACWA.
- Actively pursue operational efficiencies and explore additional opportunities for supply to the groundwater basin.
- Continue to develop relationships with both SAWPA and non-SAWPA upper Santa Ana River watershed agencies.

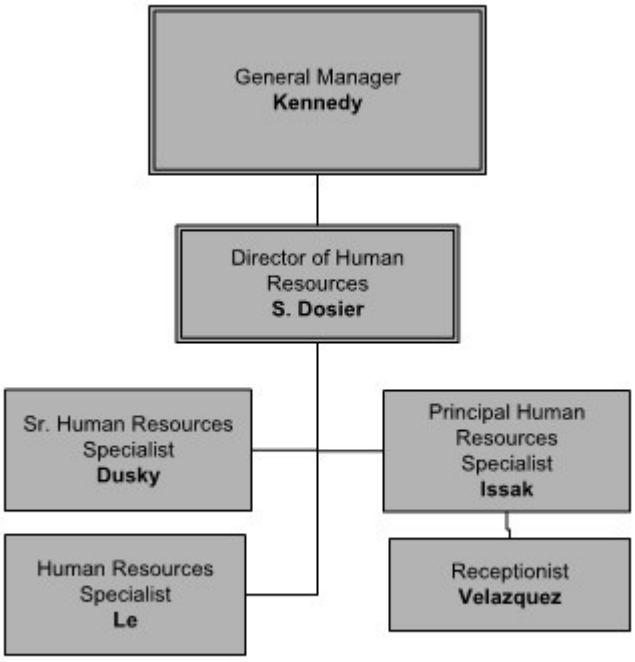
V Staff Addition Needed for FY 2025-26

None

VI Future Issues

None

HUMAN RESOURCES



Summary Information

Existing Staff - 5 FTEs

1 – Director of Human Resources
1 – Principal Human Resources Specialist
1 – Senior Human Resources Specialist
1 – Human Resources Specialist
1 – Receptionist

Mission

Manage the District's Human Resources program to integrate human values with water management objectives.

Key Issues for FY 2025-26

- In-House Manager/Supervisor Training Program.
- Negotiations for a new MOU.
- Succession Planning.
- Leadership Development.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	895,283	901,406	971,119
Services and Supplies	142,814	260,880	262,450
Total	**$1,038,097**	**$1,162,286**	**$1,233,569**

I FY 2025-26 Major New Initiatives/Programs

- Develop a succession plan.
- Continue the development of our In-House Training Programs.

II Core Activities

The Human Resources Department is primarily responsible for the District programs that integrate the human value with water management objectives.

Core activities include:

- Negotiations with OCEA.
- District recruitment efforts including placements, resume reviews, interviews, background investigations, and coordinating pre-employment physicals and drug testing.
- Safety and Risk Management oversight.
- Manage all District insurance programs including health, liability, property, workers compensation, fiduciary, and crime. Manage any claims submitted against the District.
- Training: safety, supervisor, and general staff training.
- Ongoing HRIS and Timekeeping System administration and implementation.
- Implement new programs to meet new mandates.
- Policy development and management - Staff, must monitor federal and state employment-related laws and regulations to ensure that business practices and policies stay current, and the District is fully compliant.
- Benefits Administration - Work with brokers to ensure competitive health insurance programs. Act as liaison for all benefit issues between employees and carriers.
- Retirement program administration.
- Compensation Administration - This includes market surveys and compensation policy development and administration.
- Mandated Programs - This includes programs mandated by federal and state guidelines. Unemployment insurance benefits program, Department of Transportation drug and alcohol program, training programs, among others.

- Employee Relations - This includes employee discipline, employee documentation, employee counseling, and representing the District at employment related hearings.
- General Personnel Administration - This includes keeping all required documentation of all employees and filing appropriate federal and state reports. Also, participate in surveys and special reports as requested by managers.
- Employee morale programs such as Employee of the Quarter/Year Program and Employee Recognition Program.

III Non-Core Activities

None

IV Group Goals for FY 2025-26

- Negotiate a new MOU.
- Update LOA procedures and documents.
- Develop a succession plan.
- Continue to expand the training program for managers and supervisors.

V Pending Activities

None

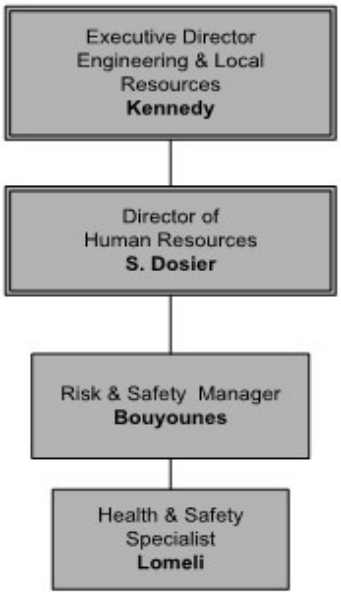
VI Staff Addition Needed for FY 2025-26

None

VII Future Issues

None

SAFETY AND RISK MANAGEMENT



Summary Information

Existing Staff - 2 FTEs

1 – Risk & Safety Manager

1 – Health & Safety Specialist

Mission

The mission of the Risk and Safety Department is to foster a safe, healthy, secure, and environmentally responsible workplace across all functions of the Orange County Water District. We achieve this by promoting a culture of safety awareness, open communication, proactive risk management, and comprehensive safety education. Through strong partnerships with management and staff, we empower everyone to work collaboratively, protect human health, and uphold environmental stewardship.

Key Issues for FY 2025-26

- Regulatory Gaps for Fixed Ladders: Address compliance issues to meet safety standards.
- Facility-Wide Noise Assessment: Conduct a comprehensive noise evaluation following the completion of the final expansion to ensure adherence to occupational health guidelines.
- Front Entrance Security Gap: Evaluate the installation of security film to enhance the safety and protection of the entryway at FV and FHQ.
- Health & Safety Medical Evaluation for Rescue Team Members.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	439,811	507,207	545,619
Services and Supplies	1,675,375	1,793,925	2,219,876
Total	**$2,115,186**	**$2,301,132**	**$2,765,495**

I FY 2025-26 Major New Initiatives/Programs

- Follow up on fixed ladder assessment with consultant to implement design and installation of fixed ladders, gates, and rooftop perimeter guard rails.
- Coordinate and revise the Contractor Safety Program.
- Conduct Workplace Violence prevention drill & training.
- Revise the Emergency Response Plan.
- Plan a tabletop drill with all members of the Emergency Operations Center (EOC) to prepare and comply with OCWD's Emergency Response Plan.
- Initiate the Cal/OSHA Recognition Program.
- Hazardous material and hazardous waste audit and training.
- Clean up records and identify those that need to be sent for destruction.

II Core Activities

- Health and Safety training for all New Hire.
- New hire and refresher safety training to include but not limited to the following:
  - HAZMAT
  - Confined Space
  - First Aid/CPR/AED
  - Respiratory
  - Heavy Equipment training
  - Electrical Safety/NFPA 70E
  - Fire Extinguisher training
  - Workplace violence
- Complete and submit OSHA 300A log online.
- Complete and post OSHA 300A log.
- Submit the annual NIMS Data Collection Report.
- Conduct audits to ensure compliance with regulations and verify that departments are conducting inspections and effectively implementing corrective actions to prevent or mitigate incidents.
- Organize and conduct Safety Review Team meetings.

- Organize and conduct Emergency Response Team (ERT) meetings and training.
- Respond to on-going environmental, health, safety, and security issues and incidents.
- Schedule, organize, and conduct annual fire drills for all locations.
- Complete and submit CERS Business Plans for all three locations.
- Complete and submit EPA ID reports for all three EPA ID numbers.
- Conduct office ergonomic assessments and provide equipment and recommendations to reduce ergonomic related risks.
- Manage the Safety Shoe Program.
- Review contractors' safety forms and provide contractor training.
- Organize and conduct annual respiratory medical questionnaire, fit testing, and training.
- Administer and maintain 39 safety programs.
- Manage Workers' Compensation program.
- Organize and schedule pressure vessel inspections for permit renewal.
- Evaluate and procure needed safety supplies/equipment.
- Manage the District security program:
    - Oversee security companies at Fountain Valley and Field Headquarters.
    - Manage VMS cameras and facility access.
    - Conduct monthly security alarm testing.
    - Conduct workplace violence inspections.
    - Manage fire and burglar alarm system at FHQ and Prado.
- Conduct forklift training initially and every 3 years.
- Spill Prevention and Control & Counter Measures (SPCC) annual training and regulatory audit preparation.
- Ongoing updates to the Risk and Safety website.
- Participate in WEROC.
- Submit 17 Letters of Arrest.
- Update Extension 3300 Binder for the front desk and Control Room.
- Managers/supervisors safety training.
- Manage the prescription safety glasses program.

III Non-Core Activities

Non-core activities, continuing education, and networking:

- Participate in PASMA (Public Agency Safety Management Association) meetings and conferences.

- Participation in IEC/OC (Industrial Environmental Coalition Of Orange County)
- Participate in ASSP (American Society of Safety Professionals) meetings and conferences.
- Participate in WUSMA (Water Utilities Safety Managers' Association).

IV Group Goals for FY 2025-26

- Conduct inspections and audits.
- Review & update safety programs.
- Follow up on work-related incidents.
- Comply with regulatory updates.
- Provide training and communication to staff.
- Manage security program.
- Manage hazardous materials and waste programs.
- manage emergency program.
- Respond to employee safety and industrial hygiene concerns and issues.

V Pending Activities

Ladder/Fall project

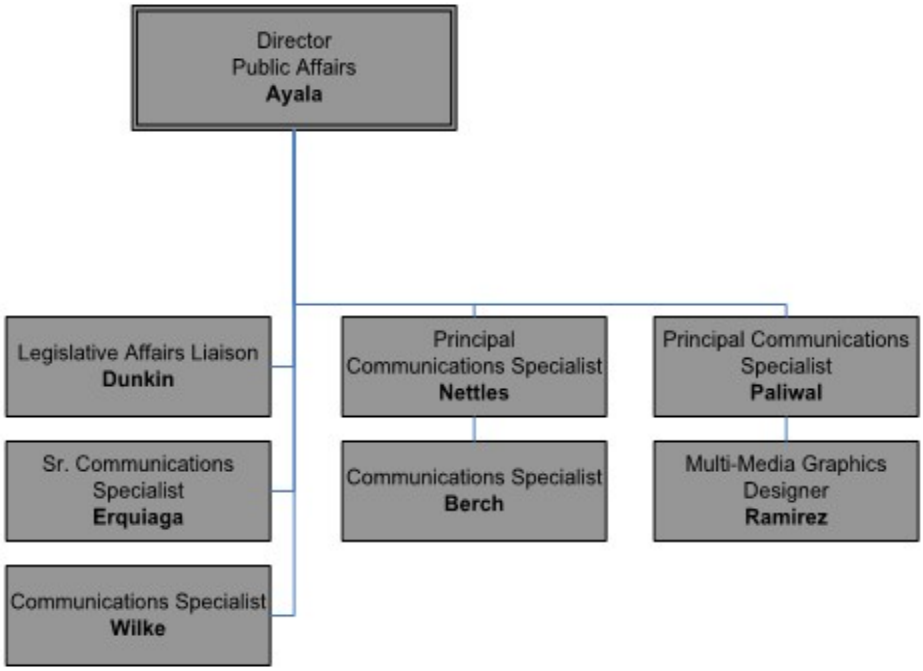
VI Staff Addition Needed for FY 2025-26

None

VII Future Issues

None

PUBLIC AFFAIRS



Summary Information

Existing Staff – 8 FTEs

1 – Director of Public Affairs
1 – Legislative Affairs Liaison
2 – Principal Communications Specialists
1 – Senior Communications Specialist
2 – Communications Specialists
1 – Multi-Media Graphics Designer

Mission

To demonstrate OCWD's value to community stakeholders; to inform stakeholders about District projects and highlight programs, projects, and achievements that demonstrate the District's commitments to water quality, water supply and reliability, sound financial management, industry leadership and innovation, sound planning, transparency and environmental stewardship; to provide communications support for OCWD board, general manager and staff; and, forge and maintain relationships and partnerships with producers (water retailers), elected officials, related professional membership associations, key community organizations, media, and other stakeholders.

Key Issues for FY 2025-26

- PFAS funding, education, and outreach.
- Forecast Informed Reservoir Operations (FIRO).
- Implementing the board-adopted legislative strategy.
- Legislative advocacy.
- Solicit funding for District projects.
- Continue robust virtual and in-person outreach.
- Social media campaigns.
- Crisis communications.
- Exploration of consolidation.
- School education programs: Prado and Next Generation Water Leaders.
- Speakers Bureau.
- Facility tours.
- Construction outreach.
- Positive media relations.
- Employee engagement.
- Collaborations with producers, elected officials, and local organizations.
- Distinguishing OCWD's role in OC and Southern California's water industry.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	1,418,015	1,470,795	1,590,475
Services and Supplies	707,788	666,450	760,000
Total	**$2,125,803**	**$2,137,245**	**$2,350,475**

I FY 2025-26 Major New Initiatives/Programs

- PFAS communication and education materials.
- Work with legislators, legal counsel, and legislative consultants to secure current and retroactive funding for PFAS and seawater intrusion projects.
- Educate newly elected officials about OCWD's role and expertise in water and forge relationships with new members and their staff.
- Commemorate significant OCWD and GWRS milestones through events, communication campaigns, and outreach.
- Offer employees enhanced learning opportunities and engagement initiatives.
- H2O Learning Center and tour route improvements.
- Increase outreach and participation in chambers and civic organizations.
- Update OCWD photo assets and photo management (locations, infrastructure, staff, projects, etc.).
- Implement new regional tour program.
- Host appreciation luncheon for local first responders.

II Core Activities

- Continue to build awareness and support for OCWD's programs and projects by communicating with key elected officials, community leaders, civic organizations, stakeholders, businesses, environmental groups, etc.
- Manage editorial calendars for websites, social media, newsletters, director articles, and other publications to keep information timely.
- Continue to support and advocate for funding for Forecast Informed Reservoir Operations (FIRO) and increase the deviation behind Prado Dam.
- Continue to provide support to PFAS workgroup.
- Provide education and outreach to support consolidation.
- Implement the board adopted legislative platform.
- Monitor proposed new legislation or amendments to bills that may impact OCWD.
- Continue to increase social media presence by creating strategic partnerships and recognizing OCWD's staff, board, projects, and programs.
- Continue proactive media relations program, including distributing press releases, contacting, and meeting with new local reporters, coordinating media tours, and monitoring news media.
- Implement Next Generation Water Leaders education program for middle and high school students.
- Produce monthly Hydrospectives newsletter.
- Maintain leadership in WateReuse Communications Collaborative Workgroup.
- Continue construction outreach – provide support to all departments doing new and/or regular maintenance projects.
- Apply for grants and awards for District projects and programs and aid other departments in their grant applications.
- Video production and graphics for corporate digital and print collateral.
- Maintain OCWD branding guidelines across all District departments.
- Conduct media training program for board members and executive staff.
- Orange County Water Summit.
- Children's Water Education Festival.
- Groundwater Adventure Tour.
- OCWD virtual webinars.
- Continue to produce press releases.
- Co-lead planning and implementation of monthly WACO meetings.
- Organize events, meetings and workshops that promote District programs, milestones, and partnerships.

- Continue to edit and maintain content of OCWD, Children's Water Education Festival and OC Water Summit websites.
- Continue to participate in and lead various water associations' working groups/committees (ACWA, AWWA, WRA, CSDA, ISDOC, SAWPA, CMUA, etc.).
- Maintain and update hallway interactive displays and videos as needed.
- Conduct annual Groundwater Adventure Tour of OCWD facilities for groundwater producers, general managers, elected, and community members.
- Improve communications between OCWD Public Affairs Department and producers' public information representatives to generate a positive, mutually beneficial relationship and increase the clarity of wholesaler/retailer messages.
- Be responsive to the needs of community neighbors impacted by OCWD construction, operations, or projects, so that they understand the need for the work and so that impacts are mitigated as much as possible.
- Ensure OCWD's innovations are noted in trade publications by developing relationships with key trade press.
- Keep elected officials and their staff members up-to-date and supportive of OCWD issues and needs.
- Build recognition, trust, and awareness of OCWD in leading community organizations.
- Inform stakeholders about District projects and highlight programs, projects, and achievements that demonstrate the District's commitments to water quality, water supply and reliability, sound financial management, industry leadership and innovation, and environmental stewardship.
- Provide communications support to OCWD Board, general manager, staff, and all departments.
- Communicate effectively, both internally and externally, about OCWD and its mission.
- Forge and maintain relationships and partnerships with producers, elected officials, related professional membership associations, businesses, key community organizations, environmental groups, media, and other stakeholders.
- Crisis communications.
- Other related activities.

III Non-Core Activities

- Support of outside water industry agencies American Water Works Association, Water Research Foundation, WateReuse (California and National), Association of California Water Agencies, California Municipal

Utilities Association, National Water Research Institute, etc., for research support, collaboration, etc.

IV Group Goals for FY 2025-26

- Make enhancements to the tour program (onsite and virtual).
- Increase local speakers bureau activities.
- Communicate regularly with producers.
- Assist with PFAS workgroup efforts.
- Proactive legislative advocacy.
- Implement new engaging social media campaigns.
- Create more videos.
- Maintain proactive, responsive, and positive media relations.
- Identify positive branding and outreach opportunities for the District and leadership.
- Forge new, meaningful relationships and partnerships for the District.
- Apply for communications-centric awards.

V Pending Activities

None

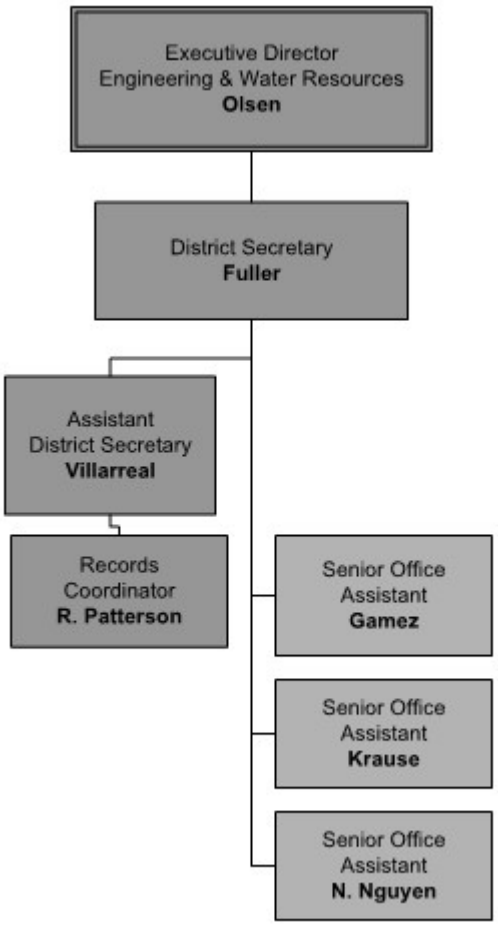
VI Staff Addition Needed for FY 2025-26

None

VII Future Issues

None

BOARD ADMINISTRATION



Summary Information

Existing Staff - 6 FTEs

1 – District Secretary
1 – Assistant District Secretary
1 – Records Coordinator
3 – Senior Office Assistants

Mission

Maintain and manage official District documents and records, compile, and prepare Board and Committee agendas and minutes. Perform other statutory duties as set forth in the District Act and Fair Political Practices Commission, including Conflict of Interest filings and publication of required legal notices.

Key Issues for FY 2025-26

- Continue to implement the Record Retention Policy.
- Include other District departments as appropriate in electronic records management system.
- Continue inventory of records held at Iron Mountain.
- Continue incorporation of regulatory reports held within the OCWD Library into the RMS.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	1,362,495	1,513,680	1,589,577
Services and Supplies	237,047	511,147	509,072
Total	**$1,599,542**	**$2,024,827**	**$2,098,649**

I FY 2025-26 Major New Initiatives/Programs

- Continue implementation of the District-wide records Management/ Document Imaging system.
- Box destruction under the District-wide retention policy.

II Core Activities

- The primary function of the Board Administration Department is to maintain all official District documents and records, to compile and prepare Board and Committee agendas and minutes to ensure compliance with all applicable state and federal laws, and to perform other statutory duties as set forth in the District Act, including Conflict of Interest filings and publication of required legal notices.
- Another prime function is Records Management, which includes recording, filing, indexing, and maintaining a database of Board records for District-wide use.
- The Copy room staff provides District-wide administrative support (mailroom, copy production and meeting setup) to all Departments.

III Non-Core Activities

Non-core activities (secondary priority compared to core activities) conducted by Board Administration include:

- Director's support – travel and event management, expense reporting, meeting scheduling, and mail processing.
- Management support – assist with research and preparation of submittals for Board consideration.
- Maintenance of Board Policy Manuals and District Act.

IV Group Goals for FY 2025-26

- Continue implementation of Records Retention Policy: Meet with District staff to implement departmental records retention policies utilizing new electronic records management system, and develop procedures for key staff related to scanning, accessing, and transmitting electronic records.
- Training of District personnel on the use of Records Management System: The Department will train new District staff in ways to access records through RMS.
- Library documents: Continue scanning government reports contained in the OCWD library into the Records Management System.

V Staff Addition Needed for FY 2025-26

None

VI Future Issues

- Archival of District historical records.
- Inventory of boxes held in storage at Iron Mountain.
- Scanning of OCWD Library regulatory reports.

LOCAL RESOURCES



Summary Information

Existing Staff – 1 FTE

1 – Executive Director of Engineering and Water Resources

Mission

Coordinate and manage basin management programs with Groundwater Producers. Assist with managing the financial and water budgets of the District. Coordinate water purchases from other agencies. Recommend the annual Replenishment Assessment, Basin Production Percentage, Production Limitation, and Basin Equity Assessment. Monitor and represent the District at MWD and MWDOC meetings. Coordinate MWD storage programs. Assist with the annual budget preparation. Manage grant/loan activities with appropriate funding agencies (Department of Water Resources, State Water Resources Control Board, MWD through MWDOC, and others). Assist with issues related to projects for creating new water supplies.

Key Issues for FY 2025-26

- Monitor Metropolitan Water District water programs.
- Continue constructing Producer PFAS treatment systems.
- Secure grant sources for construction of the PFAS treatment systems.
- Assist with developing a plan to prevent seawater intrusion in the Sunset Gap.
- Work with Producers who have applied to be in the New Well Construction Loan Program.
- Closely monitor groundwater production given the impact due to PFAS and wells being taken out of service.
- Consider an emergency water supply deal with Moulton Niguel Water District and other interested South Orange County agencies.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	235,925	357,205	361,863
Services and Supplies	1,853	3,600	2,850
Total	**$237,778**	**$360,805**	**$364,713**

I FY 2025-26 Major New Initiatives/Programs

None

II Core Activities

The Local Resources Department is primarily responsible for managing various local and imported water programs. The core activities of the group are:

- Interact, represent, and process agreements with outside agencies such as MWD, MWDOC, the local groundwater producers (i.e., water retailers), State of California (State Water Resources Control Board and Department of Water Resources), and others.
- Administer funding programs for the GWR System.
- Administer and/or develop special programs such as basin management programs with Groundwater Producers.
- Attend and represent the District at MWD Committee meetings.
- Administer the Coastal Pumping Transfer Program when implemented.
- Monitor available MWD water supplies for purchase and water rates.
- Establish the annual Replenishment Assessment, Basin Production Percentage, and Basin Equity Assessment collections.
- Meet with Groundwater Producers as necessary to update District activities.
- Update and track Producer water demands periodically.
- Assist in managing the BEA exemption/reduction program for groundwater treatment projects.
- Evaluate new water supply projects.
- Assist the Finance Department in preparing debt issuance documents.
- Process annexation requests.
- Process and administer Basin Equity Assessment exemption projects.
- Prepare and administer the water purchase budget and in-lieu water purchase program as necessary.
- Administer monthly Groundwater Producers' meetings.
- Recommend the annual RA and BPP to the Board.

- Provide long-term RA, BPP, and capital project projections.
- Manage the MWD Conjunctive Use Storage and Cyclic Storage programs with MWD and MWDOC.
- Act as a liaison with MWDOC.
- Provide presentations to various groups, cities, rating agencies, and water districts.
- Assist the Finance Department in maintaining and updating the District's financial model.
- Review documents prepared by the Public Affairs staff.
- Assist with the production of monthly in-lieu invoices and annual Basin Equity Assessment reports.
- Administer MWDOC/OCWD Joint Planning Committee meetings.
- Manage and oversee the preparation of Board and Committee agendas and packets.
- Monitor the Center for Demographic Research activities.

III Non-Core Activities

None

IV Group Goals for FY 2025-26

- Complete construction of PFAS treatment systems for the first 62 Producer wells.
- Begin Round Two construction of PFAS treatment systems for the MCL impacted Producer wells.
- Obtain grants to assist in funding the PFAS treatment systems.
- Continue pursuing grant opportunities for all capital projects, especially funding opportunities through Proposition 1.
- Monitor the progress of the MWD Pure Water Southern California Indirect Potable Reuse project.
- Continue to maintain close working relations with the Groundwater Producers to prevent issues from developing.
- Administer the SARCCUP program.
- Determine how the new state law regarding Producer water demands will impact expected future wastewater flows to GWRS.
- Complete the FY 2024-25 Engineers Report.
- Prepare all documents and resolutions necessary to set the FY 2025-26 RA, BPP, BEA, and Production Limitations.

- Review options and issues with potential MNWD South OC Emergency Interconnection feasibility study.
- Review feasibility study and develop a remediation plan for the Sunset GAP seawater intrusion issue.

V Pending Activities

None

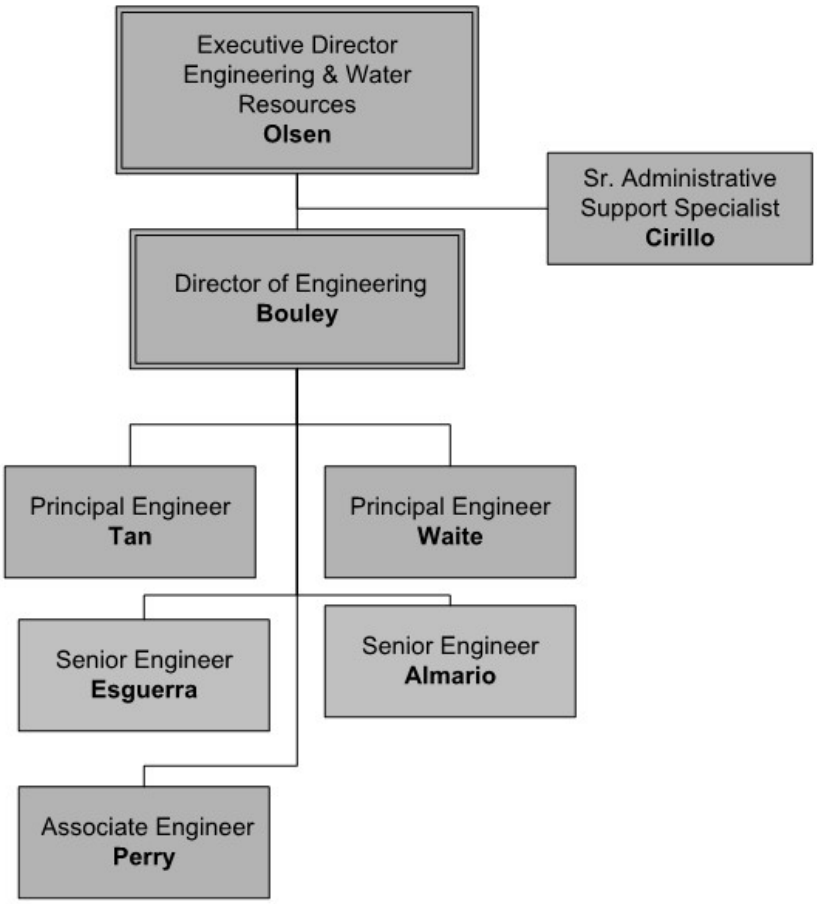
VI Staff Addition Needed for FY 2025-26

None

VII Future Issues

None

ENGINEERING



Summary Information

Existing Staff - 7 FTEs

1 – Director of Engineering
2 – Principal Engineers
2 – Senior Engineers
1 – Associate Engineer
1 – Senior Administrative Support Specialist

Mission

Plan, design, and manage the construction of the District's repair/rehabilitation and improvement projects.

Key issues for FY 2025-26

- PFAS Treatment Systems Program – This program will provide financial assistance to the Groundwater Producers to comply with the MCLs for per- and polyfluoroalkyl substances (PFAS) that was established as part of the

PFAS National Drinking Water Regulation. The program calls for the District to take the lead in funding, designing, and constructing the necessary PFAS treatment systems which may include granular activated carbon or ion exchange treatment for impacted Groundwater Producers. Design work and construction activities are currently underway and will continue for several years.

- Santiago Basin Repairs – This includes performing repairs to the southeast corner of Santiago Basin and completing the Santiago Pump Station Modifications to maintain recharge capacity in Santiago Basin.
- Anaheim Lake Valve Vault – This includes replacing two 48-inch valves and actuators for five valves. Additionally, all valves will be placed in a vault for safe access and future maintenance.
- Santa Ana GAP Reservoir – This includes replacing the roof and waterproofing at the Gap Reservoir in Santa Ana. The walls and structure will be reinforced to meet current structural requirements.
- Prado Sediment Removal – This includes removing sediment from the Prado Basin that has accumulated over many years. This removal is mandated by the permit requirements for the Planned Deviation to store water up to elevation 508' msl.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	914,785	1,051,196	947,629
Services and Supplies	27,790	63,100	1,169,400
Total	**$942,575**	**$1,114,296**	**$2,117,029**

I FY 2025-26 Major New Initiatives/Programs

- First Round PFAS Treatment Systems Program – These treatment systems would be owned and operated by individual Groundwater Producers. Forty-six Producer wells with treatment systems are currently in operation with the first one starting in June 2021. The remaining treatment systems are in some level of design or in the middle of construction.
- Second Round PFAS Treatment Systems Program – Approximately 40-45 additional wells are impacted by the MCL established as part of the PFAS National Primary Drinking Water Regulation. Treatment system design and construction for these additional wells will continue for the next several years.

II Core Activities

The Engineering Department is responsible for planning, designing, and managing the construction of the District's improvement projects. Projects range from small in-house modifications for existing facilities to major water treatment, pumping and conveyance facilities including PFAS Treatment Systems for Producers within OCWD's service area. Engineering staff may perform the

planning, designing and construction management or may manage outside consultants performing these functions. Departmental staff provides engineering support as needed for the daily operations of the District, including Water Production, Forebay Recharge, Prado Operations, Seawater Barrier Operations and Property Management. Engineering staff also review proposed projects of other agencies that may impact District operations or lands.

Core activities include:

- Implement the Capital Improvement Program, including PFAS treatment projects for various Producers.
- Implement the repair and replacement of District infrastructure.
- Plan new projects to increase the yield of the basin and protect water quality.
- Support operations of Forebay, Prado Wetlands, Green Acres Plant, GWRS, and Seawater Intrusion Barriers.
- Data analysis of operations.
- Permit compliance support.
- Operational improvement input.
- Facility improvement construction.
- Utility conflict analysis and research.
- Preparation of the Annual Engineer's Report.
- Manage the District's as-built drawings.
- Support for the Recharge Enhancement Working Group (REWG).

III Non-Core Activities

Non-core activities (secondary priority compared to core activities) conducted by the Engineering group include:

- Monitoring Producer operations and maintenance costs for PFAS treatment reimbursements.
- Monitoring outside water reuse project operational activities.
- Monitoring regulations and legislative affairs activities of the WateReuse Organization.
- Publishing operational data in journals and conference proceedings.
- Participating in technical review committees.

IV Group Goals for FY 2025-26

- PFAS Treatment Systems Program – Design and construction of treatment systems for per- and polyfluoroalkyl substances (PFAS). Removal will continue over the next few years for our impacted Groundwater Producers.

- GWRS/GAP Projects – Design and construction of Water Production projects, including roof repairs to the Annex, Laboratory, Switchgear, and RO Electrical Buildings; GAP Stairs replacement; GAP Reservoir Roof Assessment; GAP distribution system repairs; and GWRS CIP valve relocation and piping replacement.
- Forebay Projects – Design and construction of Recharge Operations Projects in the Forebay, including the Anaheim Lake Valve Vault to allow safe access to valves at Anaheim Lake for future operations and maintenance; removal and replacement of diesel fuel tanks; installation of electric vehicle charging stations; entry gate automation; and pavement maintenance around OCWD Field Headquarters.
- Santiago Basin – Design and construction of Recharge Operations projects at Santiago Basin, including upgrades to the Santiago Floating Pump Station to modernize pump drives and accommodate pumping in the basin above elevation 240'; upgrades to the City of Orange Storm Drain inlet to Bond Basin; and tie back wall, earthwork and drainage structure at the City of Orange storm drain inlet near the southeast corner of Bond Basin to stabilize the slope and prevent further erosion.
- Prado Basin Projects – Design and construction of Wetland Operations projects, including the Prado Clay Target Range Lead Remediation and Prado Sediment Removal Projects.

V Pending Activities

None

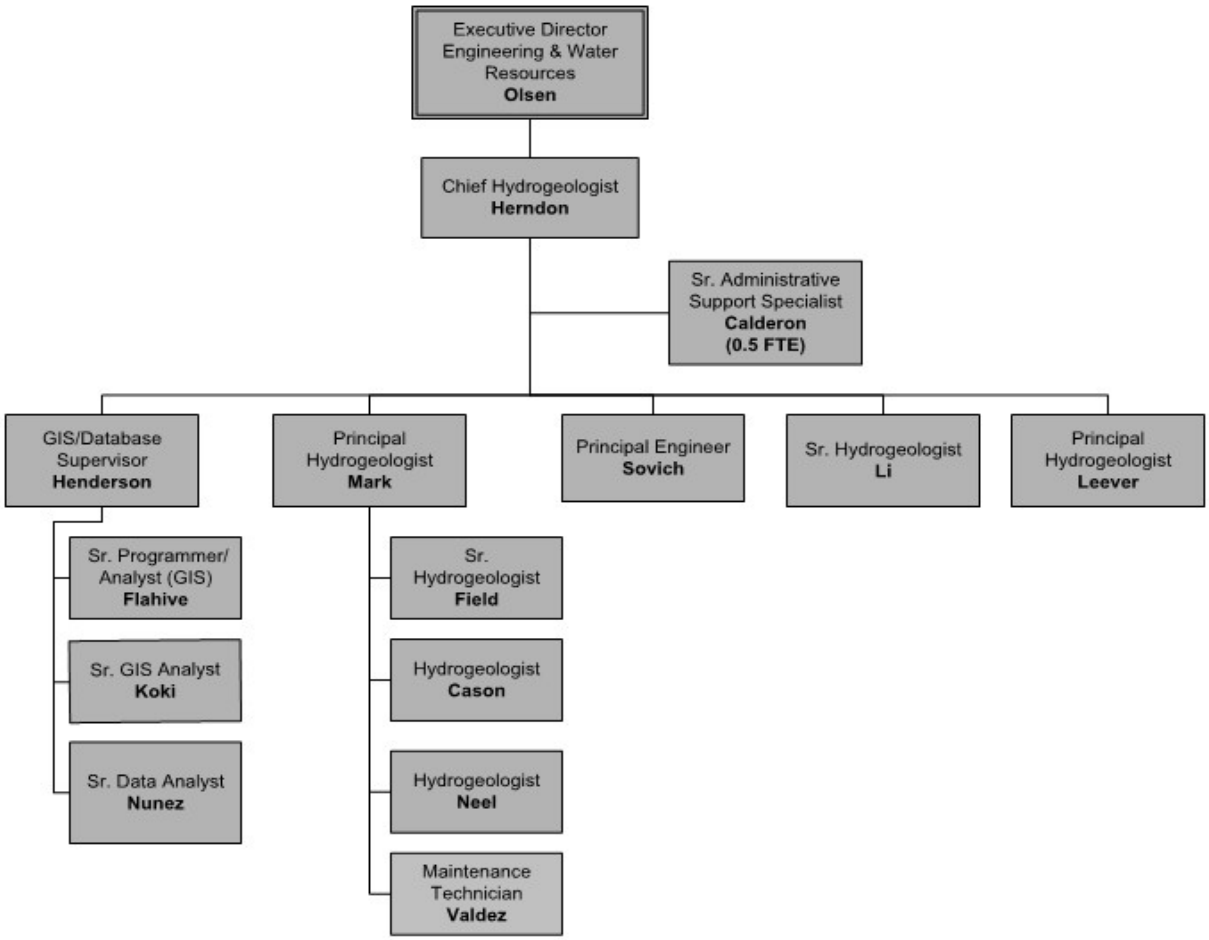
VI Staff Addition Needed for FY 2025-26

- None

VII Future Issues

- Implementation of Recharge Enhancement Working Group Projects.

HYDROGEOLOGY



Summary Information

Existing Staff - 13.5 FTEs

1 – Chief Hydrogeologist
1 – Principal Engineer
2 – Principal Hydrogeologists
2 – Senior Hydrogeologists
2 – Hydrogeologists
1 – GIS/Database Supervisor
1 – Senior Programmer/Analyst (GIS)
1 – Senior GIS Analyst
1 – Senior Data Analyst
1 – Maintenance Technician
0.5 – Administrative Support Specialist (shared with Regulatory Affairs)

Mission

Define the physical characteristics of basin aquifers, determine groundwater flow pathways, and provide analyses and recommendations necessary to manage groundwater production, recharge, groundwater quality protection and remediation, seawater intrusion, and water levels within the basin.

Key Issues for FY 2025-26

- Complete and get Board direction on a feasibility study on seawater intrusion control options for the Sunset Gap, including injection water supply alternatives, extraction, and injection well and pipeline location accessibility, and estimated costs.
- Subject to OCWD Board certification of a programmatic EIR, approval of an interim remedial action plan (IRAP), and approval of a project to address groundwater contamination in the South Basin area, staff will prepare and issue an RFP to implement a preliminary design investigation to collect location-specific data to design the remediation system.
- Staff anticipates receiving and providing comments on a proposed plan prepared by the USEPA for an interim remedy to address groundwater contamination in the North Basin area.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	2,642,768	2,693,482	2,879,043
Services and Supplies	1,033,313	1,050,600	1,008,100
Total	**$3,676,081**	**$3,744,082**	**$3,887,143**

I FY 2025-26 Major New Initiatives/Programs

- Complete preparation of a feasibility study to evaluate options to control seawater intrusion in the Sunset Gap, including developing estimated costs for different options, and injection water supply.
- Provide technical review and support for a brackish groundwater supply investigation near the coast in the Talbert Gap.
- Evaluate the potential to operate the basin at a higher accumulated overdraft. Potential issues associated with increasing the basin storage operating range up to 700,000 AF of accumulated overdraft will be identified and evaluated, e.g., seawater intrusion, drought resiliency, well pumping levels, and land subsidence.

II Core Activities

The objectives of the Hydrogeology group are to define the physical and chemical characteristics of basin aquifers, determine groundwater flow pathways, and provide analyses and recommendations necessary to manage groundwater production, recharge, quality, and water levels within the basin.

Core functions include:

- Basin-wide water level monitoring program of over 400 wells and trend analysis. This data is used for numerous applications, including the annual calculation of basin storage in support of the Annual Engineer's Report and compliance with the state Sustainable Groundwater Management Act (SGMA).
- Refinement and operation of the basin groundwater flow model are used to evaluate the effects of basin management alternatives, proposed well fields, recharge projects, and pumping variations.
- Evaluation of the Talbert and Alamitos seawater barriers' performance.
- Evaluation of seawater intrusion in the Sunset and Bolsa gaps.
- Enhancement and maintenance of the Water Resources Management System (WRMS) database and geographic information system (GIS).
- GIS analysis, map production, and database support for projects, planning, reports, and presentations.
- Technical support and assistance for groundwater producers.
- Preparation of the monthly Water Resources and annual Santa Ana River Watermaster reports. Funds for contracting with the U.S. Geological Survey to collect SAR flow measurements are budgeted annually. These measurements are essential for the preparation of the Watermaster reports, storage operations at Prado Dam, and calculation of recharge volumes.
- Participate in Santa Ana River Watermaster meetings, including determination of annual Santa Ana River base flow and storm flow.
- Review and evaluation of site-specific groundwater contamination investigations and cleanups overseen by regulatory agencies.
- Hydrogeologic analysis of recharge project feasibility studies.
- Evaluation of RA/BEA exemption requests.

III Non-Core Activities

Give presentations on groundwater management practices and processes to industry professionals, schools, universities, and other organizations.

IV Group Goals for FY 2025-26

The following programs are highlighted as major activities encompassed within or in addition to the core group activities listed above:

Sunset Gap Seawater Intrusion – Complete and present to the Board the results of a feasibility study to evaluate injection water supply options, extracted groundwater use/disposal options, facilities siting, and estimate costs to control seawater intrusion in the Sunset Gap.

South Basin Groundwater Protection Project – Subject to Board approval, prepare and issue an RFP to implement a preliminary design investigation to collect location-specific data to design a remediation system to address VOC contamination in shallow groundwater.

North Basin Groundwater Protection Project – Staff anticipates receiving and reviewing a proposed interim remedial action plan (IRAP) prepared by USEPA. The IRAP will be implemented by business entities identified by USEPA. The performance of OCWD extraction well EW-1 will continue to be monitored as it reduces the spread of VOCs.

Basin-Wide Geologic Cross-Sections – To support revision of the basin groundwater model and Talbert Gap groundwater model, staff will continue to update existing and construct new geologic cross-sections with data from production and monitoring wells constructed over the last 25 years (when most of the basin-wide cross-sections were prepared).

Water Resources Management System (WRMS) – Continue streamlining water level, water quality, groundwater production, and spatial information management processes. Develop additional user tools for map preparation, data display and retrieval, e.g., data and graphs from the Water Resources and Watermaster reports. Identify and acquire a new geological cross-section construction software package.

Litigation Support – Provide support as needed for the PFAS and South Basin cost recovery actions, including data compilation and submittal of settlement claims as well as management and distribution of expected settlement proceeds.

Talbert Model Calibration – Improve calibration of the Talbert groundwater flow model such that it can be used to evaluate future Talbert barrier injection well location and replacement scenarios in support of the Resilience Plan.

Alamitos Gap Seawater Intrusion – Participate in the Alamitos Barrier Joint Management Committee, including evaluation of barrier O&M activities and performance.

V Pending Activities

Implementation of the South Basin preliminary design investigation is subject to Board certification of the programmatic EIR, approval of the Interim Remedial Action Plan, and approval of the South Basin Groundwater Protection Project.

VI Staff Additions for FY 2025-26

None

VII Future Issues

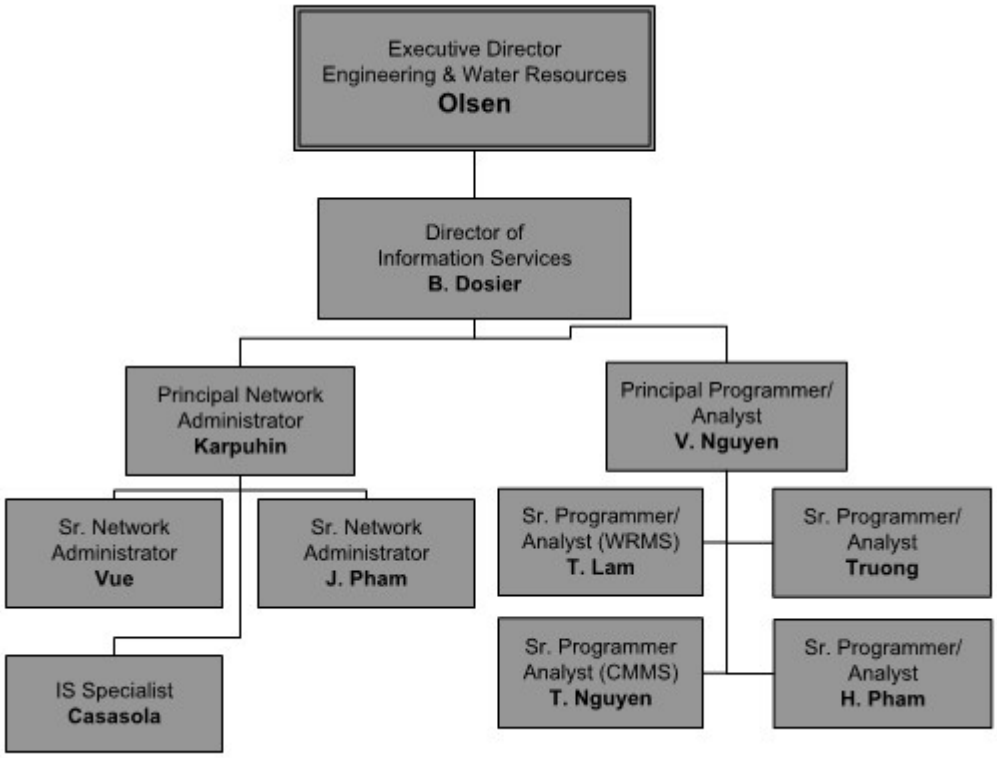
In the next two to three years, issues involving the Hydrogeology group that the District will need to consider include:

- Implementation of a seawater intrusion control project in Sunset Gap will require coordination with the Naval Weapons Station Seal Beach, Regional

Water Quality Control Board, and other entities involved with nearby groundwater remediation activities.

- Informed from groundwater modeling scenarios, develop, and implement a phased multi-year plan to replace Talbert Barrier injection wells that have exceeded their useful life.
- Coordination with state regulatory agencies and stakeholders on implementation of the South Basin Groundwater Protection Project.
- Coordination with USEPA and stakeholders in support of implementing interim remedial measures by responsible parties to address the North Basin groundwater contamination.
- Continued maintenance and evaluation of the District's aging monitoring well network, including well refurbishment and replacement as necessary.

INFORMATION SERVICES



SUMMARY INFORMATION

Existing Staff - 10 FTEs

1 – Director of Information Services
1 – Principal Programmer/Analyst
1 – Principal Network Administrator
4 – Senior Programmers/Analysts
2 – Senior Network Administrators
1 – Information Services Specialist

Mission

Manage and support information systems, services, and communication assets used by District staff and third parties in support of basin management goals and objectives.

Key Issues for FY 2025-26

- Completion of major upgrade to the IBM Maximo Computerized Maintenance Management System (CMMS).

- Completion of audiovisual equipment replacement project in the Boardroom and conference rooms to replace equipment that has reached end-of-life and are no longer supported by the manufacturer and require replacement.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	1,959,245	2,139,695	2,254,208
Services and Supplies	857,803	1,339,000	1,244,000
Total	**$2,817,048**	**$3,478,695**	**$3,498,208**

I FY 2025-26 Major New Initiatives/Programs

None

II Core Activities

Information Services (IS) is a staff support organization that manages and supports District information systems, services, and communication assets used by District staff and third parties in support of basin management goals and objectives.

- **Network support:** Managing and supporting the various components of the enterprise-wide network infrastructure spanning the Fountain Valley, Anaheim, and Prado facilities. These are composed of Ethernet hubs, routers, switches, wi-fi access points, Ethernet and fiber-optic cabling, and data communication services which connects all the facilities.
- **Server management:** Managing and supporting Microsoft and Unix-based physical, virtual and cloud-based network computer systems that support databases, core enterprise software applications, Intranet, Internet, and other information services.
- **Cloud-based systems:** Managing and supporting Microsoft cloud-based systems such as Microsoft 365 and other office support systems as well as Microsoft Azure, which is used for various applications by District staff in the field.
- **Core enterprise systems support:** Managing, supporting and programming the District's core software applications. These include the JD Edwards (JDE) Financial Information System, which tracks and reports financial and purchasing transactions; the Water Resources Management System (WRMS), used for tracking, analyzing, and mapping data from the District basin; the Computerized Maintenance Management System (Maximo), which supports maintenance requirements for the AWPF; and the Lab Information System (LIMS), used by the Laboratory to track water samples and ensure compliance with regulatory reporting.
- **Operations:** Performing routine and non-routine system operations including network and server system administration, managing user accounts, managing server disk space and load balancing, performing daily, weekly,

and monthly computer system backups and restores, and telephone system administration.

- **System maintenance:** Performing system maintenance, repairs, and upgrades for network and servers, desktop and laptop computers as well as managing maintenance and license agreements for District hardware, software, and information services.
- **Programming and Technical IS Projects:** Managing, supporting, and programming for interdepartmental projects including special computer system projects for various departments. IS also provides analytical, programming, technical and training support to those who use District information systems.
- **Staff support:** Providing support to District staff for network and server issues, core enterprise software applications, email system, Microsoft 365, desktop and laptop computers, and a variety of other digital mobile equipment including iPads and iPhones. Providing remote support for users working in distributed off-site work locations.
- **Telecommunications:** Managing and supporting voice and data communication services, including the Cisco VoIP telephone and voicemail system, communication equipment and carrier lines, service contracts, District-issued mobile devices, and videoconferencing. This also encompasses overseeing enterprise data lines connecting the Anaheim and Prado facilities with the Fountain Valley campus, SCADA locations throughout the basin, and Internet access for staff and third parties.
- **System security:** Ongoing management of system security includes administering firewall protections to prevent unauthorized network access, monitoring centralized anti-malware software to block viruses and spam, and analyzing emerging Internet threats to determine appropriate responses.
- **Audio/Visual:** Managing and supporting the District's sophisticated network controlled multi-component audio-visual equipment composed of LED screens, amplifiers, switchers, transmitters, receivers, and control devices.
- **Websites:** Ongoing technical support for District-related websites, including resolving technical issues with websites, hosting services, Internet registration services, and reputation management services.

III Non-Core Activities

None

IV Group Goals for FY 2025-26

- **Improvements to WRMS:** Continue improvements to the Water Resources Report (WRR) application; convert WRMS Oracle Forms to Windows/Web Forms. Upgrade Oracle Forms version 12c to 14c.
- **Complete upgrade District enterprise systems:** Perform major upgrade to IBM Maximo Computerized Maintenance Management System (CMMS).

- **Replace obsolete network hardware:** Replace network switches that have reached end-of-life, specifically for the Video Monitoring System.
- **Complete the replacement of obsolete audiovisual equipment:** Replace obsolete end-of-life audiovisual hardware and systems in the Boardroom, C2 and C3 conference rooms.
- **Replace obsolete Windows computers:** Continue Windows computer refresh program to replace Windows 10 computers with Windows 11 compatible computers in anticipation of Windows 10 end-of-life in 2025.
- **Improvements to Laboratory and Water Quality Systems:** Continued improvements to the Citrus Laboratory Information System (LIMS) and other Laboratory and Water Quality systems.
- **Oracle Database Maintenance**: Ongoing management and support of the Oracle database systems. This includes applying security patches to address vulnerabilities, performing database performance tuning, managing database storage and integrity, and administering database user accounts and permissions.
- **Continue improvements to systems and email security:** Audit Information Services system security and implement improvements. Develop written system and security policies.
- **Continued network improvements:** Continued network improvements, optimization, and resiliency, including improving communications at Prado field office (firewall replacement and dedicated communication line).
- **Continue disaster recovery improvements:** Refresh/review hardware and technologies used for district disaster recovery Improve testing of Disaster Recovery Capabilities; continue to assess disaster recovery capabilities for the Forebay Operations Supervisory Control, Data Acquisition (SCADA) system and the AWPF Delta V process control system.
- **Telecommunications improvements at Prado and Field Headquarters:** Refresh/renew telecommunication equipment perhaps utilizing Microsoft Teams**.**
- **Technical and security training:** Continued focus on training and cross-training for Information Services staff. Continuously train staff on detecting security threats that may enter through email, and by other means.

V Pending Activities

Major activities that are not being implemented include:

- Performing analytics to determine usage of District websites.
- Ongoing monitoring and configuring websites for Search Engine Optimization (SEO).
- Information Services provides little to no support for the Forebay SCADA system and the AWPF Delta V process control system.

VI Staff Addition Needed for FY 2025-26

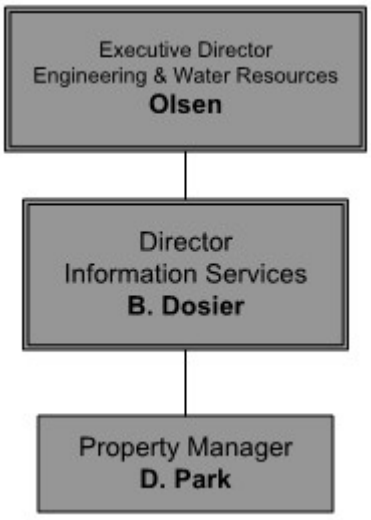
None

VII Future Issues

In the next two to three years, the District will need to consider:

- ***Windows 10 computers:*** Windows 10 computers reach end-of-life in 2025 and need to be replaced prior to the end-of-life date to eliminate or reduce security threats.
- ***Increased Internet security threats:*** Measures to provide security against emerging Internet threats continue to increase, resulting in dedicating additional hardware, software, and staff resources to address the emerging security issues.
- ***Cloud-based services***: Enterprise systems are increasingly moving away from on-premises servers and toward cloud-based systems. As this develops, we will require reviewing in the future.
- ***Staff Training:*** Staff training to implement and support newer systems and keeping up with fast-moving Information Systems trends.

PROPERTY MANAGEMENT



Summary Information

Existing Staff - 1 FTE

1 – Property Manager

Mission

To manage the District's real estate assets in a manner that provides revenue to the District and preserves or adds value to the assets while supporting basin management objectives.

Key issues for FY 2025-26

- Potential use of District properties in Anaheim for the Orange County River Walk.
- Potential solicitation of developers for Imperial Highway property.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	172,834	172,350	186,522
Services and Supplies	208,445	184,188	235,022
Total	**$381,279**	**$356,538**	**$421,544**

I FY 2025-26 Major New Initiatives/Programs

- Negotiate property instruments with the City of Anaheim in support of the OC River Walk project.
- Potential solicitation of developers for Imperial Highway property.

II Core Activities

The Property Management Department is primarily responsible for managing over 3,700 acres of the District's real estate assets, negotiating and managing licenses, leases, easements, and deeds for use of the District's real estate assets by other parties including local and state agencies. The department also protects the District's property rights, processes land use entitlements to add value to the assets, acquires real estate, property rights, and rights-of-ways for use as recharge basins, well-sites, pipelines or other uses in support of basin management goals and objectives.

- **Property Management**: Administrative management of the District's real estate including inspections, fire department vegetation control, and neighbor interaction.
- **Develop Property Use Agreements:** Negotiating and managing licenses, leases, easements, rights-of-ways, and exclusive negotiating agreements with other parties. Monitor collected rents, fees, and agreement compliance audits.
- **Maintain Property Rights**: Coordination with staff, law enforcement, local, state, and federal agencies to keep District land free of hazards and trespassers by securing the property with fencing, locks, and gates. Post "No Trespassing" signs and other signage as appropriate. Verify District property boundary lines to determine if trespassing or encroachment is occurring on District property. Monitor Land Use and zoning modifications by municipalities and assess any possible impact on District real estate.
- **Manage Real Estate Acquisitions and Sales:** Managing the acquisition or sale process for real estate or property rights; negotiating purchase agreements, real estate broker agreements, agreements for new well sites and new construction projects, and other related documents; acquiring and evaluating appraisals and title reports; determining legal descriptions, property owners and rights to be acquired.
- **Manage Land Use Entitlements**: Managing the Land Use Entitlement process such as Zoning and General Plan changes with appropriate cities.
- **Coordinate the Property Management Committee**: Development of agendas for the monthly Property Management Committee meetings of the Board of Directors, including writing all staff reports.

III Non-Core Activities

Non-core activities (secondary priority compared to core activities) conducted by the Property Management group include:

- Provide data and information to outside agencies and organizations.

IV Group Goals for FY 2025-26

- **OC River Walk:** Negotiate property instruments with the City of Anaheim in support of the OC River Walk project.
- **Potential solicitation of developers for Imperial Highway property**: Continue work in preparing the Imperial Highway property to solicit potential developers.
- **Lease Agreements with District Lessees:** Negotiate lease renewal with; Raahauge Shooting Enterprises Pheasant Lease (September 30, 2025); Raahauge Duck Hunting Lease (June 30, 2025); Prado Basin Duck Club (June 30, 2025).
- **SR 91 Improvement Project between La Palma Avenue and SR 55:** Continue to negotiate potential easement with Orange County Transportation Authority on District property for the SR 91 Freeway Bridge widening over the Santa Ana River; and negotiate potential easement on District property for relocation of Southern California Gas Company pipeline due to SR 91 improvement project.
- **Prado remediation at the Former Clay Target Range (FCTR):** support the remediation efforts at the FCTR.

V Pending Activities

Major activities that are reduced, not being implemented, or conducted include:

- Research and pursuit of creative lease opportunities to generate revenue for the District.
- Proactively monitor zoning and sphere of influence issues on District property.

VI Staff Addition Needed for FY 2025-26

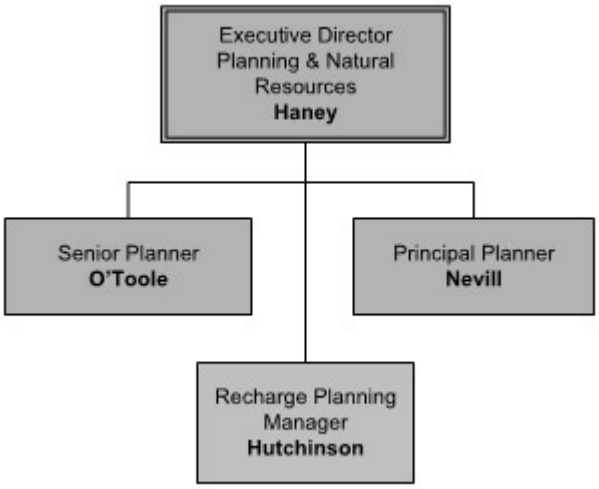
None

VII Future Issues

In the next one to two years, the District will need to consider the following:

- Increased requests from other agencies for the use of District land.
- Consideration of other long-term opportunities to lease District land at higher lease rates.

PLANNING AND WATERSHED MANAGEMENT



Existing Staff - 4 FTEs

1 – Executive Director of Planning and Natural Resources
1 – Principal Planner
1 – Senior Planner
1 – Recharge Planning Manager

Mission

The Planning and Watershed Management Department at OCWD plays a critical role in advancing the district's strategic priorities by integrating water resource planning, environmental stewardship, and regulatory compliance. The department leads efforts to enhance water supply resilience, optimize watershed management, and foster collaboration among diverse stakeholders. Key responsibilities include planning and implementing facility and feasibility projects, supporting regional stormwater and OCWD groundwater programs, ensuring compliance with environmental regulations, and using innovative tools for resource management. Current priorities emphasize stormwater capture/management, groundwater replenishment, habitat protection, sediment management, and water resiliency.

Key Issues for FY 2025-26

Stormwater Capture and Management

- **Enhancing Stormwater Capture at Prado Dam:**
  - Collaborate with the Army Corps of Engineers to implement Forecast Informed Reservoir Operations (FIRO) and integrate these findings into updates to the Water Control Manual.
  - Obtain approval for a 5-year minor deviation to test increasing the maximum reservoir level at Prado Dam to 508 feet, paving the way for permanent FIRO adoption.

- **Municipal Stormwater Diversion and Optimization:**
  - **Direct Diversions to OCWD recharge facilities:** Develop and implement municipal stormwater projects to enhance groundwater recharge.
  - **Indirect Diversions to Groundwater Supply:** Optimize stormwater flows for indirect recharge through non OCWD owned facilities or returning flows to SAR with treatment for capture at Prado, balancing habitat preservation by maintaining flows in tributaries and the SAR, maintaining water supply, and assisting in regional water quality requirements.
  - **Stormwater Credit Banking Feasibility:** Conduct studies and pursue funding opportunities to establish a regional stormwater credit banking program, fostering collaboration on joint municipal projects.

Watershed and Habitat Management

- **Remediation Planning for Prado Basin Shooting Areas:**
  - Complete environmental documentation and design for the remediation of former shooting areas in collaboration with regulatory agencies.
- **Watershed Management Initiatives:**
  - Engage stakeholders, resource agencies, and regulators to align priorities for water demand studies, water rights implementation, and planning within the Santa Ana River Watershed.
  - Working with Prado Basin Habitat Sustainability Committee and Basin Monitoring Program Task Force.
  - Evaluate Forecast Informed Reservoir Operations (FIRO) for Seven Oaks Dam.
  - Utilize remote sensing (Aerial Imaging, LiDAR) for resource management.
  - Review and coordinate municipal stormwater infiltration projects.
  - Track and comment on regional programs, projects, and regulations.
  - Review plans from other agencies affecting groundwater quality.
  - Engage in SAWPA and other agencies' regional committees, funding efforts, and the development of regional tools.

Regulatory Compliance and Support

- **Continued Environmental and Regulatory Compliance:**
  - Provide environmental documentation for engineering, hydrogeology, and O&M projects, including anticipated PFAS treatment facilities.
  - Ensure ongoing compliance with the **Sustainable Groundwater Management Act (SGMA)** and address requirements related to water rights.

- Secure permits and regulatory approval for OCWD operations and key projects in the Anaheim and Prado Basin areas.

Integrated Resource Management

- **Sediment Management Initiatives:**
  - Develop regionally integrated plans to align sediment management with goals for water supply reliability, flood mitigation, and habitat enhancement.
  - Partner with regional stakeholders to implement sustainable solutions for sediment movement and deposition in critical areas.
- **Digital Twin Planning Tool:**
  - Establish a Digital Twin model as a tool for planning and decision-making, integrating data to balance water supply, sediment, and habitat needs.
  - Leverage insights from the Digital Twin to guide short- and long-term sediment and watershed planning.

Water Resiliency Planning

- **Strategic Planning for Resilience:**
  - Identify priority projects and conduct feasibility studies to address emerging risks, ensuring flexible pathways to solutions.
  - Develop innovative approaches and alternatives to mitigate vulnerabilities while providing adaptable responses to future challenges.
- **Funding and Cost Sharing:**
  - Secure funding through grants, and stakeholder cost-sharing agreements, and explore new financing mechanisms to offset impacts to the Capital Improvement Program (CIP).
  - Build partnerships with regional stakeholders to enhance project funding opportunities and share implementation responsibilities.
- **Streamlined Permitting and Implementation:**
  - Expedite project timelines by streamlining CEQA/NEPA reviews and environmental permitting processes.
  - Develop tools and workflows to make project implementation faster and more efficient, reducing delays and associated costs.

These planning objectives represent OCWD's dedication to sustainable water resource management and demonstrate our leadership in advancing integrated solutions for the region. We look forward to working closely with our stakeholders and partners to achieve these critical milestones.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	949,911	1,014,914	1,088,437
Services and Supplies	524,747	1,206,850	1,973,350
Total	**$1,474,658**	**$2,221,764**	**$3,061,787**

I FY 2025-26 Major New Initiatives/Programs

Project Summary: Implementation of the Updated Long-Term Planning Framework Known as the OCWD Resilience Plan

With the transition from a Long-Term Facilities Plan (LTFP) to a wholistic OCWD Resilience Plan, OCWD is launching implementation efforts to ensure sustainable and efficient groundwater management over the next 5-25 years. This dynamic roadmap prioritizes critical projects and studies, supported by streamlined processes, grant funding, and cost-sharing opportunities to minimize financial impacts. Key deliverables include:

- **Modernizing Infrastructure**: Upgrades to optimize groundwater recharge and water quality.
- **Adopting Innovative Technologies**: Piloting advanced solutions for water management.
- **Streamlined Environmental Review**: Accelerating CEQA/NEPA compliance and permitting.
- **Collaboration and Engagement**: Partnering with stakeholders and engaging communities for shared solutions.
- **Funding and Metrics**: Securing grants, establishing cost-sharing agreements, and tracking project success with key performance indicators (KPIs).

This framework enables OCWD to adapt to emerging challenges, align with long-term sustainability goals, and ensure water resiliency for generations to come.

Project Summary: Prado Digital Twin Planning Tool

- Develop a centralized data framework for internal and external data sharing.
- Develop new monitoring plans for vegetation and sediment using ESRI and other digital story mapping tools.
- Fill in remaining data gaps for building the foundation of an automated digital twin.
- Outline a path forward toward automation and predictive capabilities in future phases.

Help inform decision-making and streamline efforts to balance habitat, water quality, and water supply management in the Prado Basin.

Project Summary: Sediment Strategic Plan Development

- **Short-Term Strategic Plan for Regulatory Compliance**:
  - Planning has been completed, and the focus is now on transitioning to implementation.
  - Provide engineering assistance during the transfer phase to ensure smooth project initiation.
- **Long-Term Sediment Strategic Plan**:
  - Conduct economic feasibility studies to develop a 25-50 year roadmap.
  - Develop a cost-benefit analysis and implementation plan for long-term sediment management.
  - Establish a sediment monitoring program using LiDAR to track sediment influx into Prado Basin and monitor sedimentation rates in the conservation pool.
- **Regional Collaboration and Solutions**:
  - Collaborate with SAWPA and other watershed stakeholders to explore regional sediment management solutions.
  - Focus on cost-sharing opportunities for CIP and management solutions to benefit all parties.
- **SediMatch Tool Development and Support**:
  - Continue supporting the development and use of SediMatch as a regional software tool.
  - Enable users to locate and reuse sediment across the region to enhance sediment management efforts.

Project Summary: Municipal Stormwater Diversion and Optimization

- **Direct Diversions to Infiltration**:
  - Identify and implement municipal stormwater projects that enhance groundwater recharge through direct diversion for infiltration.
- **Indirect Diversions to Groundwater Supply**:
  - Optimize stormwater flows for indirect recharge to groundwater, ensuring the balance between water quality requirements and habitat preservation.
- **Stormwater Banking Feasibility**:
  - Conduct studies and cost-benefit analyses to evaluate the potential for a regional stormwater banking program.
  - Identify potential water supply amounts under both direct and indirect efforts and assess the impact on regional water sustainability.

- Seek funding opportunities and develop the stormwater bank as a funding mechanism to support joint municipal projects and regional collaboration.

The goal of this project is to collaborate with regional stakeholders to enhance water supply resiliency through optimized stormwater diversion, identifying new water resources, and supporting cost-effective funding solutions for sustainable water management.

II Core Activities

The Planning and Watershed Management Department hold primary responsibility for the District's long-term planning, coordination with agencies above Prado Dam, watershed management, and the preparation of essential environmental documents. Core activities encompass:

- Collaborating with the Army Corps of Engineers to enhance stormwater capture at Prado Dam.
- Preparing environmental documents, such as Environmental Impact Reports.
- Conducting long-range planning for future District activities and facilities.
- Planning new projects and programs for increased basin yield and water quality protection (collaborating with Engineering and Hydrogeology).
- Safeguarding the quantity and quality of Santa Ana River (SAR) flows.
- Securing environmental permits for District projects, including Clean Water Act Section 404 permits and California Department of Fish and Game 1600 permits.
- Ensuring compliance with the Sustainable Groundwater Management Act (SGMA).
- Evaluating innovative methods to enhance the performance of surface recharge facilities in Anaheim and Orange.
- Interacting with upstream agencies, wastewater agencies, groundwater management agencies, and regulatory bodies concerning Santa Ana River issues.
- Leading Integrated Regional Water Management activities
- Participating in task forces related to basin wide water quality under the auspices of the Santa Ana Watershed Project Authority (SAWPA).
- Monitoring the implementation of stormwater NPDES (“MS4”) permits in Orange, Riverside, and San Bernardino Counties.
- Overseeing the cleanup of the Stringfellow hazardous waste plume in Riverside County and other contamination sites in the upper watershed that may pose a threat to the water quality of the Santa Ana River.

- Maintaining permits from resource agencies for operations and maintenance activities at Prado Wetlands and recharge facilities in Anaheim and Orange.
- Managing and reporting on the District's Santa Ana River and Santiago Creek water rights.
- Reviewing environmental documents from agencies in the watershed concerning potential impacts on District operations and the watershed.
- Managing data collection and reporting to ensure compliance with existing permit obligations.

III Non-Core Activities

None

IV Group Goals for FY 2025-26

Forecast Informed Reservoir Operations (FIRO) Implementation:

- Collaboration with the Army Corps, Scripps, and other partners to design an implementation plan and series of tools to help inform Prado dam operations to enhance stormwater capture and conservation.
- Focusing on FIRO implementation at Prado Dam, with the final goal contingent on the modification and adoption of an updated Water Control Manual by the Army Corps.
- OCWD is actively involved in the steering committee for the Forecast Informed Reservoir Operations (FIRO) initiative at Seven Oaks Dam to improve stormwater management and water supply efficiency.
- As part of this effort, OCWD is investigating the coordination of FIRO with Prado Dam to optimize water storage, enhance flood risk management, and integrate advanced forecasting techniques to better capture atmospheric rivers as a water supply source. This collaboration aligns with OCWD's goals of improving water supply resilience and operational efficiency across its service areas.

Deviation to Capture Stormwater at Elevation 508 Feet at Prado Dam:

- Complete the application process and seek approval for a 5-year minor deviation of the Prado Dam Water Control Manual to 508 feet to facilitate testing and potential permanent integration of FIRO.

Santa Ana River Conservation and Conjunctive Use Program (SARCCUP):

- Focusing on developing the institutional structure to manage and operate the water bank, ongoing Arundo removal and maintenance, and equipping new production wells.

SAR Water Rights:

The water rights application has been split into two parts:

- First Application: Acknowledges the water rights that have already been achieved.
- Second Application: Outlines the plan and path forward to realize the remaining water rights allocation.
- Develop and implement a monitoring plan to ensure ongoing compliance with water rights allocation.
    - Finalize the submissions for both applications.
    - Outline new compliance reporting requirements.

Recharge Facility Planning:

- Collaborating on the Riverbed Filtration Demonstration project and exploring options to increase the performance of various recharge facilities.

Upper Santa Ana River Habitat Conservation Plan (HCP):

- Anticipating the finalization and approval of the HCP by the US Fish and Wildlife Service and CA Department of Fish and Wildlife in FY 2025-26.

Santa Ana River Flow Estimates:

- Continuing to monitor proposed projects in the upper watershed and collaborating with agencies to evaluate potential impacts on flow rates in the Santa Ana River.

Environmental Analyses and Permitting:

- Anticipating environmental analyses for new projects and engaging in permitting activities.

Watershed Management:

- Participating in task forces administered by SAWPA, including the Basin Monitoring Program Task Force, Salinity Management and Imported Water Recharge Workgroup, and Middle Santa Ana River Bacterial Indicators TMDL.
- Contributing to the development and implementation of watershed plans for North and Central Orange County, monitoring activities in the Chino Groundwater Basin, and overseeing the implementation of 'hydraulic control' in the Chino Basin.

Water Demand Forecast Study with MWDOC:

- Collaborate with MWDOC on estimating future water demands for Urban Water Management Plans. OCWD is cost-sharing this effort which will be completed in Fall 2025.

V Pending Activities

None

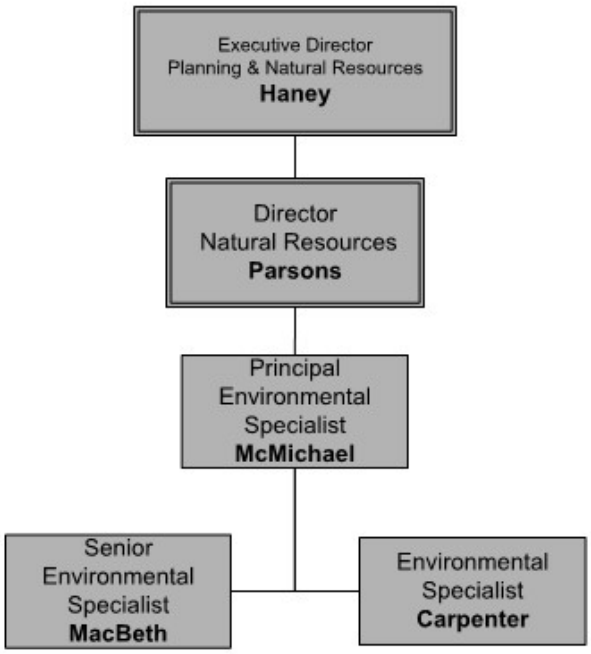
VI Staff Addition Needed for FY 2025-26

None

VII Future Issues

- Regional sediment strategic planning.
- Integrated regional stormwater planning.

NATURAL RESOURCES



Summary Information

Existing Staff – 4 FTEs

1 – Director of Natural Resources

1 – Principal Environmental Specialist

1 – Senior Environmental Specialist

1 – Environmental Specialist

Mission

The Natural Resource Department is responsible for habitat and species permits related to operational water management in the Santa Ana River Watershed. The department ensures seamless operation through implementation and renewals of permits for the operation of recharge basins and support environmental obligations related to water conservation initiatives behind Prado Dam. The department strategically contributes to the formulation of required environmental plans for District projects, operations, and land use while prioritizing district needs and considerations. With a focus on maintaining an Arundo-free zone, safeguarding endangered species, and analyzing the sustainability impacts of water conservation efforts, the department collaboratively engages with watershed stakeholders to uphold the shared responsibility for the long-term well-being of the Santa Ana River Watershed.

Key Issues for FY 2025-26

- Improve educational and interpretive experience at Prado Basin, including expanded outdoor seating, shade structures, and signage/graphics.
- Conduct Santa Ana sucker translocation as per OCWD – California Department of Fish and Wildlife (CDFW) Agreement and Biological Opinion from USFWS.
- Transition to permit coverage under Upper Santa Ana River Habitat Conservation Plan as opposed to CDFW and USACE permits for operation of Prado Wetlands, sediment removal in Prado Basin, and Santa Ana sucker-related work in Sunnyslope Creek.
- Conduct mulefat inundation study investigating the effects of prolonged inundation on the mulefat plant, in collaboration with University of California, Irvine.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	719,981	888,178	1,058,865
Services and Supplies	408,962	695,350	1,043,280
Total	**$1,128,943**	**$1,583,528**	**$2,102,145**

I FY 2025-26 Major New Initiatives/Programs

- **Educational and Interpretive Redesign of Prado Constructed Wetlands**

  The Educational and Interpretive Redesign of Prado Constructed Wetlands Project aims to enhance educational opportunities at the Prado Constructed Wetlands through the addition of improved outdoor education spaces, interpretive signage, and wetland improvements. This initiative seeks to provide an enhanced experience for visitors and tour groups at the Prado Constructed Wetlands that highlights the work the District has undertaken to improve water quality and ecosystem health in the Santa Ana River watershed. Improvements will include:
  - Increased interpretive signage throughout wetlands.
  - Additional outdoor seating and audio-visual equipment for tours.
  - Redesign of constructed wetlands to decrease maintenance while showcasing benefits of wetlands in terms of improving water quality and providing habitat.
  - Aesthetic enhancement of Prado Field Office.

  Phase One of this initiative involves hiring a consultant to develop a master plan for the development of these improvements.

- **Additional Vireo Monitor for Prado Basin**

  The increased vireo population within Prado Basin requires more field biologists to monitor than when the program was first designed. Additionally, USFWS have introduced a new vegetation monitoring program requirement (2024 Biological Opinion for the Five-Year Minor

Deviation to 508 feet for the Prado Dam Interim Water Control Plan) that requires more staff time and attention. More field biologists are needed to meet these additional obligations and monitor this growing population of birds thoroughly. An additional vireo monitor for the Prado Basin during nesting season would help ensure compliance with these obligations.

- **Santa Ana Sucker Translocation**
  The 2006 agreement between OCWD and CDFW requires the translocation of the endangered fish, the Santa Ana sucker, as a requirement of our right to divert water from the Santa Ana River. Multiple alternative approaches to this translocation have been analyzed. Next steps include:

  - Selecting a translocation site
  - Establishing an endowment for future preservation of the Santa Ana sucker within the stream
  - Preparation of an implementation plan to provide to CDFW

- **Mulefat Inundation Study**
  The 2024 USFWS Biological Opinion for the Five-Year Minor Deviation to 508 feet for the Prado Dam Interim Water Control Plan introduced a new vegetation monitoring program obligation that requires OCWD to monitor mulefat populations within Prado Basin for impacts associated with prolonged inundation related to water conservation efforts behind Prado Dam. Alongside field-based surveying, OCWD will be conducting a controlled research study in collaboration with the University of California, Irvine (UCI), spanning multiple years, to investigate the effects of prolonged inundation on mulefat health. The study will be conducted in the wetland research cells within the Prado Constructed Wetlands by UCI students under the supervision of Natural Resources staff.

II Core Activities

- Environmental Compliance Support
  - Biological monitoring and reporting related to CDFW and USACE permits for operations at Anaheim recharge facilities and Prado wetlands.
  - Least bell's vireo monitoring required by USFWS biological opinions related to water conservation efforts behind Prado Dam.
  - Vegetation monitoring required by USFWS biological opinions related to water conservation efforts behind Prado Dam.
  - Permit applications and reporting for operations and maintenance of Anaheim recharge facilities, Prado wetlands, and sediment removal in Pardo Basin.

- Biological assessments for District permits.
- Maintenance, monitoring, and reporting for mitigation requirements from District work within the Anaheim recharge facilities and Prado wetlands, as well as to mitigate impacts due to water conservation efforts behind Prado Dam.
- Monitoring and attempted control of quagga mussels and other potentially harmful invasive species in the Anaheim recharge facilities.
- Santa Ana sucker monitoring and habitat restoration in Sunnyslope Creek as required in OCWD-CDFW agreement.

- Regional Environmental Collaboration
  - Seven Oaks FIRO Environmental Working Group
  - Santa Ana Watershed Association
  - Santa Ana Sucker Conservation Team
  - Regional Arundo committee
  - Upper Santa Ana Habitat Conservation Plan (HCP)

III Non-Core Activities

- Production and dissemination of educational materials.
- Conduct educational tours of District wildlands.
- Development of technology tools to aid in monitoring and mapping in coordinating with GIS.
- Support wetland research in Prado wetlands, such as mulefat inundation study and PFAS sorption rates in wetland soils.

IV Group Goals for FY 2025-26

Educational Improvements - Improve educational and interpretive experience at Prado Basin, including expanded outdoor seating, shade structures, and signage/graphics.

Expand Klir Implementation – Expand implementation of Klir software to cover all Natural Resources obligations, including those under the Biological Opinions issued by the USFWS.

Monitor Endangered Bird Populations in the Prado Basin and Orange County – The department leads the monitoring of threatened and endangered birds in the Prado Basin and Orange County. This activity also keeps the District in compliance with regulatory permits for water conservation and other District projects, such as recharge operations in Orange County.

Mitigation/Habitat Restoration in Prado Basin and Orange County – Staff will prepare, implement, monitor, and report upon habitat restoration and wildlife

populations in compliance with permit conditions for water conservation efforts behind Prado Dam and the District's recharge operation in Orange County.

Ongoing Removal of Arundo – Staff will help manage and monitor the efforts to keep Arundo out of Prado Basin and the watershed as part of the regional Arundo collaborative being formed by the Santa Ana Watershed Project Authority (SAWPA).

Monitor and Control Problematic Invasive Species – Quagga mussels, polyphagous shot hole borers, and other non-native species that have the potential to cause great harm in the watershed will be monitored and cooperatively controlled when possible.

Educational Material – Natural Resources staff will continue to compile interpretive materials including reports, tours, and presentations.

V Pending Activities (Not Being Addressed Due to Insufficient Resources)

Major activities that are not being implemented include:

Monitoring of Tamarisk in the Prado Basin – Tamarisk is a non-native plant interfering with flood control, water flow, habitat restoration, and endangered bird management.

VI Staff Addition Needed for FY 2025-26

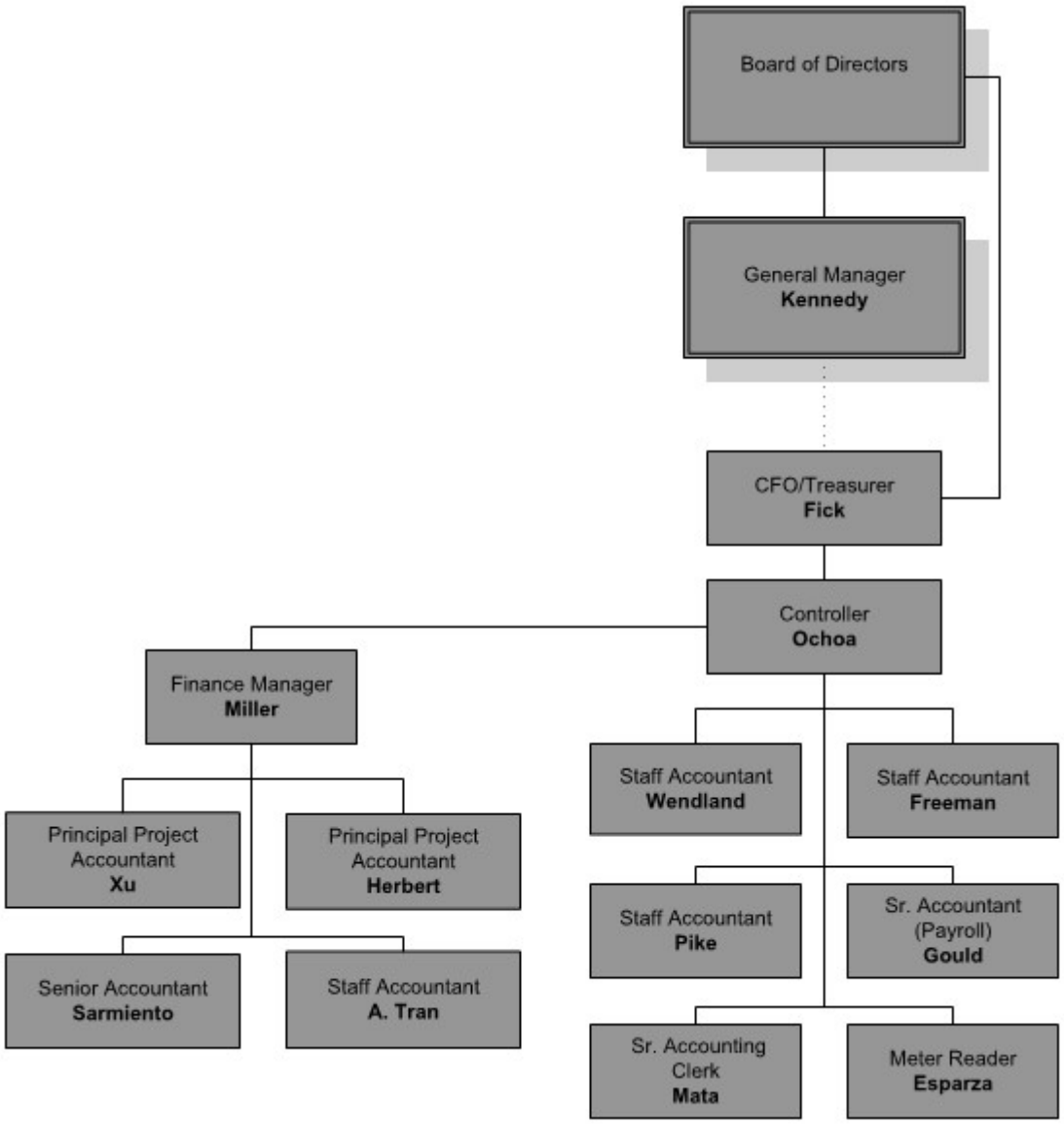
Environmental Specialist – Conversion of Temporary Environmental Specialist to full-time Environmental Specialist to meet regulatory requirements for 4 full-time field biologists and meet increased field staffing demands.

VII Future Issues

Wetlands Research – Work with local universities and researchers to support student research in the Prado wetlands, including continuing work on mulefat inundation survival rates with the University of California, Irvine.

Wetland Improvements – Work with consultant to identify best redesign of Prado constructed wetlands to decrease operational maintenance, balance stakeholder needs, and conserve habitat without decreasing water quality.

FINANCE



Summary Information

Existing Staff - 13 FTEs

1 – CFO/Treasurer
1 – Controller
1 – Finance Manager
2 – Principal Project Accountants
1 – Senior Accountant
1 – Senior Accountant (Payroll)
4 – Staff Accountants
1 – Senior Accounting Clerk
1 – Meter Reader

Mission

To perform the District's accounting, finance, and treasury functions. To maintain the District's strong financial position, high credit ratings, reliable reporting of budgets, revenues, expenditures, and investments, ensure that adequate financial controls are in place to accurately record financial transactions, communicate financial results, and protect the District's assets. In addition, to ensure the financial records are maintained in accordance with generally accepted accounting principles and guidelines as established by state and federal agencies.

Key Issues for FY 2025-26

- Adapt District finances to fund Producer PFAS related projects.
- Issue debt to efficiently fund OCWD's CIP at the lowest possible cost and optimize the debt program by refinancing debt to reduce debt service costs.
- Manage OCWD's Investment Portfolio per the Board approved Investment Policy.
- Continue to ensure that internal controls are in place to provide assurance that assets are safeguarded, and financial information is fairly stated.
- Review and update existing procedures and establish new procedures that will help expand the group's analysis and reporting capabilities.
- Submit the Annual Comprehensive Financial Report (ACFR) to the Government Finance Officers Association for their award program.

Account Information	FY 2023-24 Actuals	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	2,176,450	2,317,987	2,466,675
Services and Supplies	70,954	113,900	94,250
Total	**$2,247,404**	**$2,431,887**	**$2,560,925**

I FY 2025-26 Major New Initiatives/Programs

- Continue to increase rebate earnings from wider use of the District's purchasing card/single-use account program.
- Accumulate funding by maximizing grants for upcoming PFAS Projects and reducing the need for debt financing.
- Cost Optimization by analyzing spending patterns to identify cost reduction opportunities.
- Initiate continued efforts in the Finance department to secure and store documents electronically to help reduce paper costs and increase storage costs.
- Identify and implement business intelligence opportunities in reporting and workflow for operational efficiencies.

II Core Activities

The Finance Department is primarily responsible for the District's accounting, finance, and treasury functions, including debt and investment management. This includes financial planning and analysis for rate setting, budgeting, financial reporting, payroll, accounts payable and accounts receivable, as well as working with various internal and external groups and agencies.

The core activities of the department are:

Accounts Payable:

- Ensuring all vendor payments and reimbursements are made timely, accurately, and in compliance with policies and procedures along with state and federal regulations.
- Maximize vendor discounts and rebates on vendor payments.
- Prepare and submit quarterly sales and use tax returns and annual vendor 1099 tax forms, timely and accurately with current regulations.
- Prepare and complete all annual reporting for District travel and expense expenditures in a timely manner.

Accounts Receivable:

- Process accounts receivable invoices and incoming payments timely, accurately, and in compliance with financial policies and procedures.
- Validate and process the District's Replenishment Assessment (RA) and Basin Equity Assessment (BEA) Water Production Statement completed by the Producer, including any special water program billings.
- Analyze meter read data for inconsistencies and comparability to water production statements filed by the producers.
- Track and collect all grant invoices for the District's general fund and capital projects.

Payroll:

- Process the District's bi-weekly and monthly payroll accurately and timely.
- Responsible for quarterly and year end federal and state payroll tax filings.
- Responsible for employee retirement and benefit payments, and other employee-related costs administered through the payroll system.
- Responsible for processing and distributing employee year end W-2 forms.

Meter Reader:

- Routinely reads water, electric, and hour meters on Producer wells in an accurate and timely manner.

Treasury Functions:

Investments and Cash Management

- Prepare accurate monthly cash and investment holdings report.
- Manage and invest the District's funds daily providing sufficient liquidity to meet working capital requirements and an optimal rate of return.
- Annual review of the District's investment policy with the Admin/Finance Committee.
- Maintain and update the monthly rolling cash forecast model.
- To monitor, track, and report the District's Reserve Funds.
- Monitor and analyze investment activity to ensure fiscal responsibility and superior bond ratings.

Debt Issuance and Administration

- Initiate, support, analyze, and complete the execution of all debt financing needs for the District's capital projects, as needed.
- Evaluate and recommend alternative opportunities for current District debt issues when appropriate.
- Ensure debt related payments are made timely for debt issuances, state loans, and commercial paper.
- Prepare and submit required continuing disclosures for the District's debt issuances.
- Review and renew necessary debt administrative services including bank letters of credit, rating agency monitoring, trustee administration, and any other debt-related maintenance services.

Budgetary Control Functions:

- Prepare the District's annual budget.
- Prepare and present quarterly budget versus actual variance analysis report to the Administrative & Finance Committee and to the Board of Directors.
- Track and account for all the costs approved by the Board during the year.
- Provide account analysis to various department personnel.

Capital Projects and Fixed Asset Accounting:

- Account and track all Capital Projects and Fixed Assets.
- Safeguard Fixed assets.

- Continue to review and update the R&R model to ensure sufficient funding and future capital needs.
- Continue to review and work with various financial scenarios to make recommendations to seek and obtain the most economical financing to support the District's capital projects.
- Conduct annual audit of Fixed Assets.

General Accounting Functions:

- Maintain the general ledger.
- Maintain the District's rate model with the Local Resources department.
- Account for and audit various BEA exemption programs.
- Account for and audit various PFAS O&M program payments to various producers.
- Prepare and present the ratio analysis annually to the Board.
- Provide monthly water production cost analysis to the water production department.
- Prepare and update water quality legal cost reports on a quarterly basis.
- Complete the financial information necessary for the District's annual Engineer's Report.
- Working with external independent auditors to complete the District's annual fiscal year-end audit, pension plan audits, single audits (as necessary), and work with other outside agency auditors to fulfill any additional audit requirements.
- Complete and submit the District's Annual Comprehensive Financial Report (ACFR) to GFOA for a possible Certificate of Achievement for Excellence in Financial Reporting award.

III Non-Core Activities

- Children's Water Festival Accounting.
- OC Water Summit Accounting and tracking.
- Contract administration and building maintenance billing operations for MWDOC occupancy expenses.
- Provide ongoing customer support to departments and outside agencies as necessary.

IV Group Goals for FY 2025-26

- Review and update documentation of procedures for all accounting functions.
- Review the Producer meter calibration reporting program and procedures.
- Complete monthly closing of the general ledger, all account reconciliations, and accruals in a timely manner.
- Complete the annual independent audit and all necessary audit schedules more efficiently to complete the year-end audit on a timely basis.
- Review the general ledger and all ledger accounts to ensure that revenues and expenses have been posted properly. This includes analyzing and researching any discrepancies and unusual variances.
- Initiate efforts to securitize and store documents electronically to help reduce increasing storage costs.
- Discover new efforts to streamline all processes and to continue to strengthen internal controls throughout the District in accordance with “Best Practices”.
- Utilize financial modeling to analyze and support the District’s annual RA/BEA rates established and approved by the Board on an annual basis. On-going forecasting and projections of revenue and expenses.
- Provide project accounting analysis for all the District’s capital projects and work with project managers to ensure that project costs are properly accounted for and are within the project budget. This also reduces the burden currently placed on each project manager providing financial analysis support for their projects.
- Record, monitor, and ensure proper accounting for the District’s fixed assets and inventories monthly, including the proper accounting for depreciation and transferring assets from work in progress as projects are completed.
- Look for refinancing opportunities for an economic benefit to the District.
- Complete annual filings and certification of compliance with circular OMB-133 for all grant funding sources when required.
- Manage and audit litigation settlement and expense accounting.
- Review and update all the assets in the R&R model.
- Crosstrain staff to provide better coverage, and to strengthen accounting internal controls with the ability to “rotate” staff in certain functions.

V Pending Activities

None

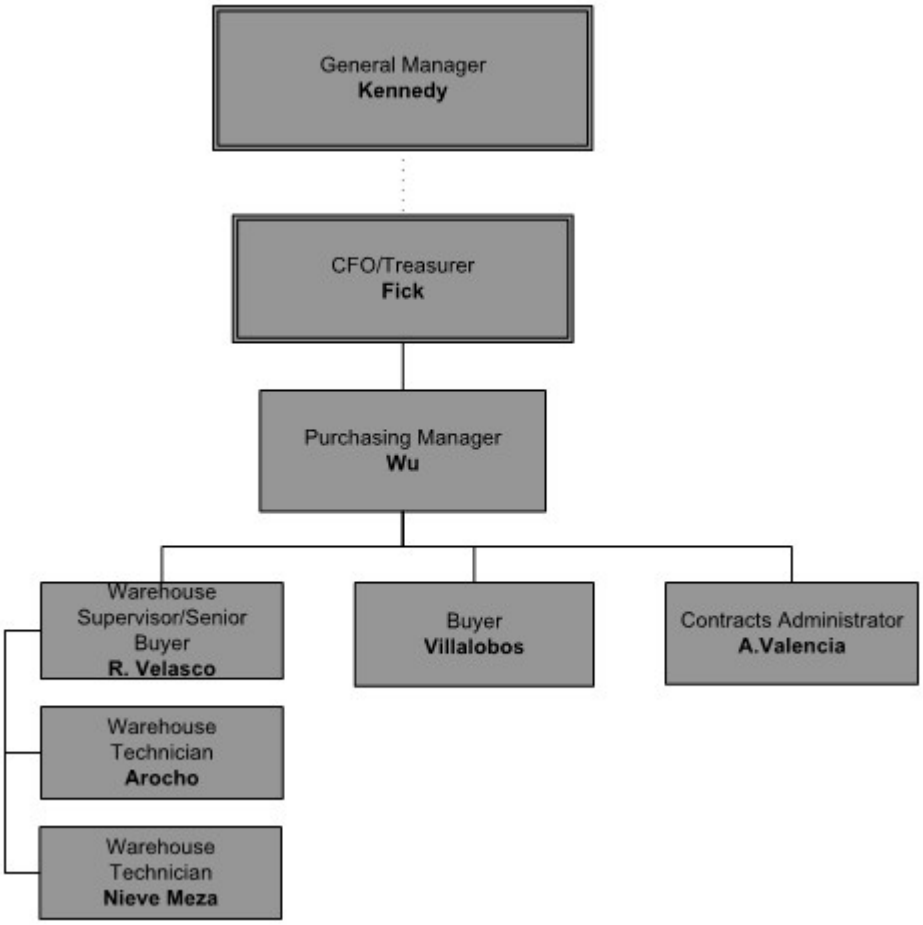
VI Staff Addition Needed for FY 2025-26

None

VII Future Issues

None

PURCHASING



Summary Information

Existing Staff - 6 FTEs

1 – Purchasing Manager

1 – Warehouse Supervisor/Senior Buyer

1 – Buyer

2 – Warehouse Technicians

1 – Contracts Administrator

Mission

The Mission of the Purchasing Department is to procure reliable quality services and products, at the best cost in a timely manner, using ethical procurement standards, and following approved policies and procedures to achieve a high level of assistance for the District.

Key Issues for FY 2025-26

- Ensure cost effectiveness across purchases while maintaining quality services and goods at favorable terms and pricing.
- Diversify supplier base to reduce dependency on single supplier sources.
- Ensure contract compliance and supplier risks.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	581,261	851,088	871,071
Services and Supplies	55,298	47,980	71,650
Total	**$636,559**	**$899,068**	**$942,721**

I FY 2025-26 Major New Initiatives/Programs

- Create a Purchasing Department Procedures Manual to include steps and guidelines for administering procurement solicitations, contracts, agreements, purchase orders, and District equipment surplus which will be submitted for approval.
- Improve contract management process, tracking and reporting tool.

II Core Activities

The Purchasing Department is responsible for:

- Purchase goods and services.
- Assist all departments with the preparation and issuance of a request for Bids (RFB), request for qualifications (RFQ), request for proposals (RFP) and request for quotes (RFQ) for goods and services.
- Maintain the warehouse and cage parts.
- Manage inventory through inventory performance metrics and cycle count reporting to improve process workflow.
- Prepare, process, and administer the District's public works contracts and services agreements.
- Obtain and track insurance certificates for contracts, agreements, and purchase orders.
- Maintain filing system for purchase orders, contracts, and agreements.
- Work with staff to identify District equipment for surplus, obtain Board approval for surplus, dispose the surplus, and prepare surplus receipt report.
- Collaborate with FHQ to maintain records of District vehicles and equipment; assign District identification numbers.

- Locate new sources for procurement of materials, supplies and services.
- Meet with Department Managers to discuss requests and problems to ensure quality service is being provided.
- Ensure clear communication across departments to align with departmental project objectives while adhering to purchasing policies and procedures, laws and regulations, and industry standards.
- Meet with the project managers to discuss contracts and agreements to ensure (1) purchasing can process the documents expeditiously and address agreement language issues that arise; and (2) provide status updates of each agreement and/or contract, as needed.
- Review and update warehouse, purchase order, and agreement service procedures to improve warehouse receiving activities.
- Administer purchasing card program, address issues that may arise, and monitor cards.
- Administer fuel cards and personal identification numbers (PIN).
- Check safety procedures for warehouse receiving and the storing of goods, including chemicals.
- Assist Departments for procurement of Department special needs/events.
- Review and update formal purchasing procedures manual to be submitted for approval.

III Non-Core Activities

Non-core activities conducted by the Purchasing Department include:

- Meet with purchasing personnel from other water and public agencies to share information on new purchasing laws and regulations, industry best practices, new vendors, pricing, procedures, etc.
- Attend educational seminars, training conferences and webinars on procurement and warehousing best practices to source quality goods and services in a cost-effective manner.

IV Group Goals for FY 2025-26

- Improve warehouse procedures and material handling; improve warehouse storage at FHQ.
- Implement an Insurance Tracking Software System to assist with managing the District’s insurance and compliance
- Improve warehouse space optimization and generate transparency on slow-moving inventory through annual reporting to demand planners/stake holders.

- Collaborate with FHQ to update a master reporting list of District equipment and vehicles.
- Surplus – Research and implement procedure for cost-effective disposal of obsolete items and update surplus receipt report.
- Continue to improve process for converting purchasing requisitions to purchase orders.
- Develop contract administration process to include templates and checklists.

V Pending Activities

- Preparation of a formal Purchasing Procedures Manual to include steps and guidelines on the vehicle purchase and surplus process, procurement and contracting process, general equipment surplus process (In progress).

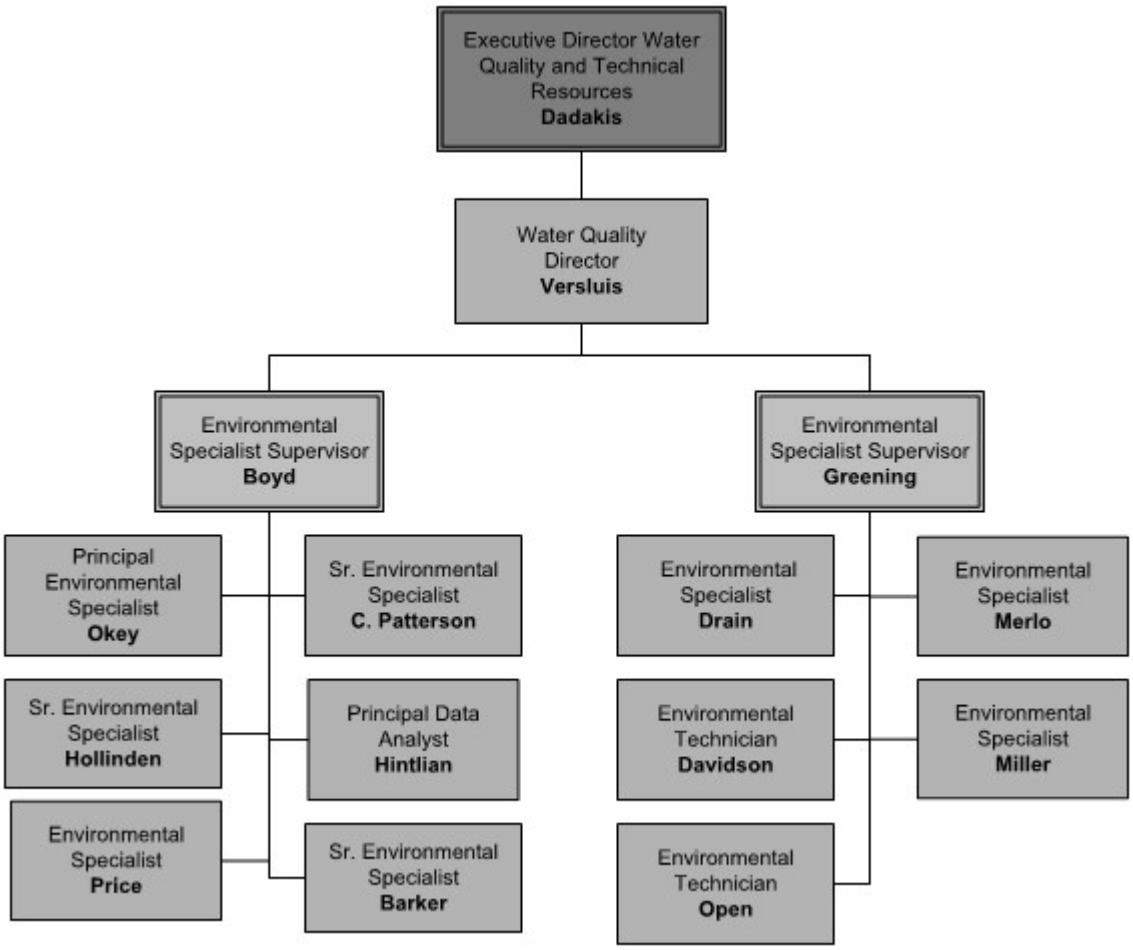
VI Staff Addition Needed for FY 2025-26

None

VII Future Issues

- Additional warehouse space/warehouse cleanup.

WATER QUALITY



Summary Information

Existing Staff - 14 FTEs

1 – Director of Water Quality
2 – Environmental Specialist Supervisors
1 – Principal Data Analyst
1 – Principal Environmental Specialist
3 – Senior Environmental Specialists
4 – Environmental Specialists
2 – Environmental Technician

Mission

Plan, coordinate, and implement water quality monitoring programs to (1) protect and evaluate groundwater basin and groundwater recharge supply conditions and (2) comply with regulatory requirements for the Groundwater Producers' (GWPs) drinking water wells, treatment systems, water recycling, and waste discharge permits.

Key Issues for FY 2025-26

- PFAS Treatment Facility Monitoring: The Department will continue to perform key portions of the required water quality compliance monitoring for per- and polyfluoroalkyl substances (PFAS) Treatment Facilities operated by the GWPs. The monitoring required to comply with the state Division of Drinking Water (DDW) regulations includes, facility start-up monitoring, initial performance monitoring, routine monthly and quarterly monitoring, and additional monitoring required before and after treatment media change-outs.
- GWP PFAS Monitoring Orders: The Department will continue to provide support to GWPs for PFAS monitoring orders issued by state DDW, including both performing the monitoring and requesting a reduction or recission of the requirements where appropriate.
- Federal Unregulated Contaminant Monitoring Rule Phase 5 (UCMR5): On behalf of basin GWPs, OCWD has successfully met the monitoring and reporting requirements for the federal EPA's UCMR1, UCMR2, UCMR3, and UCMR4 programs. The UCMR5 monitoring program began in 2023 and will be scheduled over three years. The UCMR5 is required to be scheduled and completed between 2023 and the end of 2025. UCMR5 close Department coordination with GWP's and the District Laboratory to ensure (1) monitoring requirements and established schedules are met, (2) all required quality assurance field samples are collected as required by the specific analytical methods, and (3) all sample results are properly reported by the laboratory and reviewed by Water Quality staff for final reporting in the EPA CDX SDWARS5 system.
- OCWD PFAS Pilot Testing: Water Quality staff will coordinate and perform monitoring of the new OCWD PFAS Pilot Treatment project located at the YLWD PFAS Treatment Facility.
- PFAS Groundwater and Surface Water Monitoring: PFAS monitoring will continue with strategic testing of the District's groundwater monitoring wells, surface water sites throughout Orange County, and the upper Santa Ana Watershed in order to better understand PFAS occurrence. PFAS monitoring efforts will likely include working with partners in the upper SAR watershed on projects such as the newly reconstituted SAWPA Emerging Constituents Task Force and coordination of testing at military sites in Orange County such as the former MCAS El Toro base, former MCAS Tustin base, and the Los Alamitos Joint Forces Training Base.
- Microplastics Monitoring: Continue to follow and participate in microplastics workgroups and webinars to ensure OCWD and GWP preparedness for future drinking water microplastics monitoring and reporting requirements in California. Anticipated FY 2025-26 monitoring requirements in the District's service area are expected to be limited to surface water treatment sites and thus would not fall within the District's monitoring obligation for GWPs source groundwater monitoring requirements.

- Planning and Coordinating Water Quality/Laboratory Workload: The Department manages, tracks, schedules, and coordinates the District's compliance and non-compliance monitoring sample load, which are subject to (1) Laboratory resources and analytical capacity, (2) GWRS and MBI monitoring activities, (3) GWP operations and drinking water well state/federal monitoring schedules, and (4) other on-going District projects, research, or focused studies, etc. These programs and available resources must be considered in weekly, monthly, quarterly, and annual planning and associated workload scheduling for both sample collection and laboratory analysis.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	2,194,477	2,277,381	2,531,747
Services and Supplies	269,219	343,800	341,700
Total	**$2,463,696**	**$2,621,181**	**$2,873,447**

I FY 2025-26 Major New Initiatives/Programs

Field support and resources will be needed to monitor water quality from existing locations or new monitoring wells to be constructed for the projects listed below, pending Board approval. These are listed as potential programs/projects for planning projections only.

- Expanded PFAS Monitoring and Producer Support: The completion of many additional planned PFAS Treatment Facilities will continue to increase the monitoring workload and responsibilities for the Water Quality Department. Each new PFAS treatment facility requires Water Quality staff to comply with all DDW-established monitoring requirements such as commissioning/startup, regular monthly, regular quarterly, and triggered vessel testing and water quality result review and GWP notification to ensure coordination of individual vessel resin changeout procedures. Also, the adoption of recent PFAS MCLs by the EPA will require expanded testing of Producer wells on a regular basis to meet initial and ongoing monitoring frequencies. Assistance with monitoring at the OCWD PFAS Pilot facility will also continue to test various PFAS treatment media options and assess pilot treatment results.
- Water Quality Evaluation of Storm Water Runoff and Coordination with the County of Orange: The Planning and Watershed Department continues to work with the County of Orange on storm water diversion and capture projects. The Water Quality Department has been asked to assist in ongoing field monitoring and assessment of storm water diversion sites such as the Chantilly storm channel. The County has discussed collaboration with OCWD and the City of Orange, which may include water quality monitoring and analysis to address groundwater quality before and after infiltration.
- Evaluation and Potential Implementation of Monitoring Program Management Software: To accurately and efficiently manage the growing number of compliance and other water quality monitoring programs, department staff

have been evaluating and trialing both commercially available software offerings and potential in-house developed solutions. During FY24-25, staff completed a 12-month formal pilot test of the KLIR sampling module and began a formal 12-month assessment of the NJBSoft SAMS product that will extend into FY25-26; depending on the outcome, staff may proceed with formal implementation of a successfully tested software solution or continue to evaluate other options.

II Core Activities

The Water Quality Department is primarily responsible for (1) implementing water quality monitoring programs to protect and evaluate basin conditions, including emerging contaminants; (2) providing technical and field support for compliance programs, District projects, and research investigations; (3) disseminating water quality information and assisting with expansion and update of the WRMS database (historic and new water quality data); (4) reviewing and commenting on relevant water regulatory and compliance issues (e.g., drinking water, stormwater, *de minimis* permits, etc.); and (5) providing support to ensure that the District complies with regulations pertaining to the Safe Drinking Water Act and Clean Water Act amendments.

Core activities include:

- Implementing water quality monitoring programs at groundwater, surface water, and treated water sites for (1) compliance with permits, mandated environmental and drinking water regulations, (2) District projects and research investigations, and (3) evaluating the ambient quality of the groundwater basin.
- Groundwater Producer Drinking Water Well Monitoring: Scheduling and sampling groundwater producer wells for compliance with state/federal drinking water regulations for regulated and unregulated chemicals; reviewing, approving, and reporting chemical data electronically to the state on behalf of the groundwater Producers; assisting with data compilation for the groundwater Producers' Annual Consumer Confidence Report, Public Health Goals Report, and Vulnerability Assessments.
- PFAS Treatment Facility monitoring requirements have begun with the completion and operation of 26 treatment facilities by the end of calendar year 2024. It is expected that a total of approximately 60 total PFAS treatment facilities will be constructed to address PFAS at GWP wells with adoption of the recent EPA PFAS MCLs. A comprehensive monitoring program has been established to ensure coordination with Producers and scheduling of department staff to collect and submit the many samples required to ensure compliance with drinking water treatment facility requirements.
- Implementing basin wide monitoring to assess ambient conditions and to detect changes in occurrence of both regulated and unregulated constituents within the Orange County Groundwater Basin.

- Overseeing and performing compliance monitoring activities at GWRS treatment facility and groundwater monitoring wells specified in the GWRS permit, including water used for blending/diluent, final product water, and coordinating with contract labs for selected analyses not performed by OCWD's Main Laboratory (e.g., asbestos, dioxin, radioactivity, etc.). GWRS groundwater monitoring activities include both Forebay and Talbert Barrier locations, Mid-Basin Injection, and relevant research investigations associated with tracer and intrinsic studies to (1) establish groundwater flow paths and travel time to the nearest wells (potable and monitoring), (2) assess metal mobilization issues, joint research projects, and (3) assess treatment processes and changes in water quality after time underground, etc. through joint research endeavors. This is a high priority program for the department that includes completing and assisting with (1) reporting of water quality results to separate RWQCB and DDW databases, (2) quarterly regulatory reports, (3) the required Annual GWRS Report, and (4) the NWRI Independent Advisory Panel Meeting and Supplemental Report tech memos. Additional monitoring may be required future to meet NPDES discharge requirements for discharge to waters of the U.S. such as Santiago Creek and the Santa Ana River in support of the planned future Anaheim Riverwalk project.
- North Basin, Remedial Investigation/Feasibility Study: Continue to implement monitoring activities at monitoring wells to track the volatile organics contaminant (VOC) plume and to provide information for the ongoing and planned future VOC remediation plan being carried out by the District under EPA oversight in the North Basin area of the District.
- South Basin Remedial Investigation/Feasibility Study: Continue to implement water quality monitoring activities at monitoring wells in southeastern Santa Ana to further investigate the extent of VOCs and perchlorate contamination.
- GWRS Metals Mobilization: Continue to implement revised long-term voluntary water quality monitoring activities to assess metal mobilization in groundwater near the GWRS recharge and injection facilities. A monitoring program was initiated as recommended by the NWRI GWRS Independent Advisory Panel to analyze for trace metals (arsenic is one metal of key concern) from selected wells in the vicinity and downgradient of the GWRS recharge basins.
- OCWD Storm Water Permit: Manage the District's GWRS Industrial Storm Water permit to comply with EPA's National Pollutant Discharge Elimination System (NPDES) permit covering storm water management, discharges, water quality monitoring, and reporting requirements. Perform monitoring, site inspection tasks, required reporting, and annual refresher training as approved in the District's Storm Water Pollution Prevention Plan (SWPPP) and WQ monitoring plan. Under the adopted SWRCB stormwater permit, two stormwater sampling events must be conducted between July and December, and January and June. The permit requires preparation of an annual report and regular electronic reporting.

- Santa Ana River Monitoring Program (SARMON): Continue to implement the comprehensive surface and groundwater monitoring program recommended by the SARWQH study and SARMON Independent Advisory Panel (IAP). Monitoring activities include sites on the Santa Ana River (SAR), Santiago Basin, and selected downgradient monitoring wells to provide data on travel time and to assess water quality changes that may occur after recharging water from the Santa Ana River. Monitoring activities are regularly updated and revised based on the ongoing review of reported sample results. One specific focus of the monitoring program is to continue to monitor and evaluate the occurrence of Contaminants of Emerging Concern (CECs). Also, Santa Ana River diversion flowing into and out of the District's Prado Wetlands are monitored to evaluate changes in water quality and to evaluate treatment effectiveness. Technical tasks for the SARMON program include but are not limited to assisting with the preparation of the periodic report summarizing SAR monitoring results in cooperation with the Regulatory Affairs Department.
- Coastal Seawater Intrusion Program: Continue to implement water quality monitoring activities to help assess possible seawater intrusion in areas such as the Talbert Gap, Bolsa Gap, and Sunset Gap. Recent monitoring results have shown seawater migration landward in the Sunset Gap and impacts to Huntington Beach drinking water wells. In recent years, the District has constructed over 30 new monitoring wells for the semi-annual monitoring program for the Bolsa and Sunset Gap areas alone.
- Ensuring compliance with the District's NPDES general *de minimis* dewatering permit covering PFAS pilot testing and groundwater monitoring-related discharges, including weekly notification, sampling, treatment of purged and discharged groundwater (as needed), data analysis, and preparing monthly compliance reports.
- Reviewing and approving new water quality data for the District's WRMS database, compiling, and analyzing data for reports and internal staff, the Board, and groundwater Producers.
- Coordinating with the Regional and State Water Quality Control Boards to provide appropriate water quality data to assess compliance with Basin Plan objectives for the SAR, TMDL issues, and other water quality river issues relevant to the protection of the OCWD groundwater basin.
- Performing semi-annual water quality monitoring of coastal wells to assess the extent of seawater intrusion; coordinating with Hydrogeology on reviewing and revising the program as new data becomes available.
- Assisting with field data collection for the semi-annual basin wide water level monitoring program to identify threats to the basin (i.e., groundwater overdraft, seawater intrusion, etc.) and provide groundwater elevations of basin aquifers measured six times annually.

- Fulfilling water quality and water resources information and data requests from the public, GWPs, and regulatory agencies; responding to special data requests for external site investigations and litigations.
- Tracking, reviewing, and addressing new emerging contaminants of concern; evaluating basin water quality conditions for emerging contaminants, assessing management and response strategies, coordinating with Public Affairs and groundwater Producers with water quality information.
- Preparing reference materials and presentations on water quality issues, participating on advisory committees specific to water quality issues of concern to OCWD and Groundwater Producers.
- Reviewing proposed regulations such as federal and state maximum contaminant levels (MCLs), state Notification and Response Levels, Public Health Goals (PHGs), unregulated chemicals, NPDES permits, emergency regulations, etc. relevant to the District and groundwater drinking water source monitoring.
- Responding to and coordinating with regulatory agencies on emergencies and hazardous material spills, firefighting run-off, etc. that may affect groundwater quality. Perform WQ monitoring as needed to assess potential discharge impacts to recharge facilities or groundwater.
- Assisting with the preparation of regulatory compliance reports and other water quality reports.

III Non-Core Activities

Non-core activities (secondary priority compared to core activities) conducted by the Water Quality Group include:

- Serving on water quality and project advisory committees for ACWA, AWWA CA/NV, etc. on emerging water quality issues relevant and beneficial to OCWD as managers of the groundwater basin, preparing for water resources emergencies (i.e., earthquakes), etc.
- Assisting other water agencies and Public Affairs in addressing water quality issues, emerging contaminants, and tracking and assisting in preparing comments on proposed relevant drinking water-related regulations.
- Provide enhanced staff development (internal and external) and mentoring to take on higher-level duties and responsibilities; enhance and broaden cross-training to increase flexibility and ability to respond to changing conditions.

IV Group Goals for FY 2025-26

- <u>Improved Water Quality Monitoring Efficiency</u>
  - Assess new methods and strategies to increase field productivity without compromising the quality and integrity of sample collection.
  - Evaluate and potentially implement new software and methods to improve tracking and scheduling of Water Quality monitoring programs (e.g., NJB Soft SAMS program or similar software).

- Coordinate with Laboratory staff on the next phase of its LIMS development to ensure efficient workflow between departments.
- Improve sample collection equipment and sampling procedures; review, revise, and finalize standard operating procedures and implement processes to increase efficiency and productivity. Continue with evolving department-wide cross-training programs.
- Evaluate options to streamline specific monitoring programs for broader coverage, increase efficiency, and reduce sample load to the laboratory.
- Continue to research and improve mobile carbon treatment systems and equipment decontamination procedures. Forecast optimum schedules to change-out spent carbon in mobile treatment units to avoid breakthrough and to address new contaminants (e.g., PFAS) requiring removal prior to discharge.
- Research new technologies for automating field data collection and documentation tasks.
- Conduct Field Site Inspections to observe and optimize safe practices and correct procedural drift.
- New hire department safety training procedures update and required OSHA checklists.

- Standard Operating Procedures (SOPs): Review and update department SOPs and conduct periodic refresher training.
- Provide additional surface water and storm water monitoring including:
  - Storm water monitoring of the Santa Ana River and tributaries to OCWD's recharge facilities.
  - Non-point source water quality monitoring on the river and tributaries near OCWD's recharge facilities.
  - Quarterly or monthly water quality monitoring of upper SAR watershed wastewater discharges; investigate water quality issues originating from the upper watershed that may potentially affect the Orange County groundwater basin (e.g., PFAS, 1,4-Dioxane, chlorate, NDMA, and other emerging constituents).
- Effectively Administer Water Quality Monitoring Programs: Ensure water quality sample collection is performed with high quality and analyzed for (1) compliance with mandated drinking water quality regulations and regulatory permits, (2) District projects and investigations, and (3) evaluating the quality of the basin (e.g., seawater intrusion in coastal areas). Evaluate new emerging chemicals of concern and coordinate with the Laboratory to implement FY 2025-26 compliance monitoring requirements for drinking water sources, UCMR5 monitoring requirements, GWRS compliance monitoring locations, focused studies, and to ensure maximum use of resources for both departments. Work with Laboratory to schedule analyses effectively and efficiently for new changes to testing frequency within GWRS groundwater and SARMON programs.

- Efficient and High Quality Data Management Activities: Ensure new data is reviewed with high-quality assurance and approved into the WRMS database for end-users; submit Producer compliance data electronically to the SWRCB Division of Drinking Water (DDW) CLIP database; prepare GWRS compliance data for regular electronic submission to the DDW CLIP and State/Regional Board GeoTracker databases; prepare annual water quality schedules for DDW and groundwater Producers; prepare annual data summaries for groundwater producers for the Annual Consumer Confidence and triennial Public Health Goal reports; prepare annual water quality data summary for OCWD's Engineer's Report, GWRS quarterly/annual reports, and SARMON biennial report; prepare and submit Annual Industrial Stormwater report and compliance stormwater monitoring results electronically.
- Water Quality Regulatory Activities: Review proposed state or federal drinking water standards (MCL), state notification levels; evaluate potential impacts to groundwater basin monitoring requirements and Groundwater Producers, including regulatory compliance schedules; track ad comment on proposed non-drinking water regulations relevant to OCWD's activities (e.g., state NPDES general permits, stormwater permit, etc.).
- Water Quality Protection: Activities include tracking, reviewing and addressing new chemicals of concern, evaluating basin conditions or source waters potentially used for groundwater replenishment; monitor and review media and research reports; coordinate with regulatory agencies on upcoming new water quality issues; provide field water quality monitoring support for Board approved projects that authorize construction of new monitoring wells for District projects and investigations.
- Aquatic Weed and Pesticide Control: When needed, assist Forebay Operations with implementation or monitoring associated with the continued use of non-chemical methods to address pests (e.g., midges at recharge basins) and vegetative growth at the wetlands in lieu of a chemical application. Non-chemical strategies avoid (1) coverage under the SWRCB aquatic weed and pesticide NPDES permits, (2) pre- and post-water quality monitoring and analysis of the applied aquatic pesticides, (3) preparation of regulatory reports, and (4) issues of the District applying chemicals to water bodies potentially tributary to the river and/or underlying groundwater.

V Pending Activities

Major activities that are reduced, not being implemented, or conducted include:

- Improvements to the process of providing water quality sample results and other data to Producers or other agencies. OCWD completes thousands of sampling events each year with thousands of analytical records created that must be reported to Producers and other agencies. In the past, these data reports were typically customized and generated with minimal automation. In the future, it may be more efficient to develop a secure, easy-to-access on-demand portal or reporting system that allows retrieval of these water quality records by the Producers directly.

- Implement more enhanced quality assurance data review protocols for data analysis and tracking of water quality concerns to identify developing water quality issues (e.g., increase in color, seawater intrusion, volatile organics, SAR monitoring, upper watershed, etc.); provide notification to OCWD managers and stakeholders; prepare semi-annual reports, as needed.
- Develop and prepare an annual Water Quality report of the basin (deferred for several years) – strive to prepare an initial report with multi-department input in the near future.
- Active attendance and involvement with water associations and agencies on water quality issues relevant to OCWD and groundwater Producers.

VI Staff Addition Needed for FY 2025-26

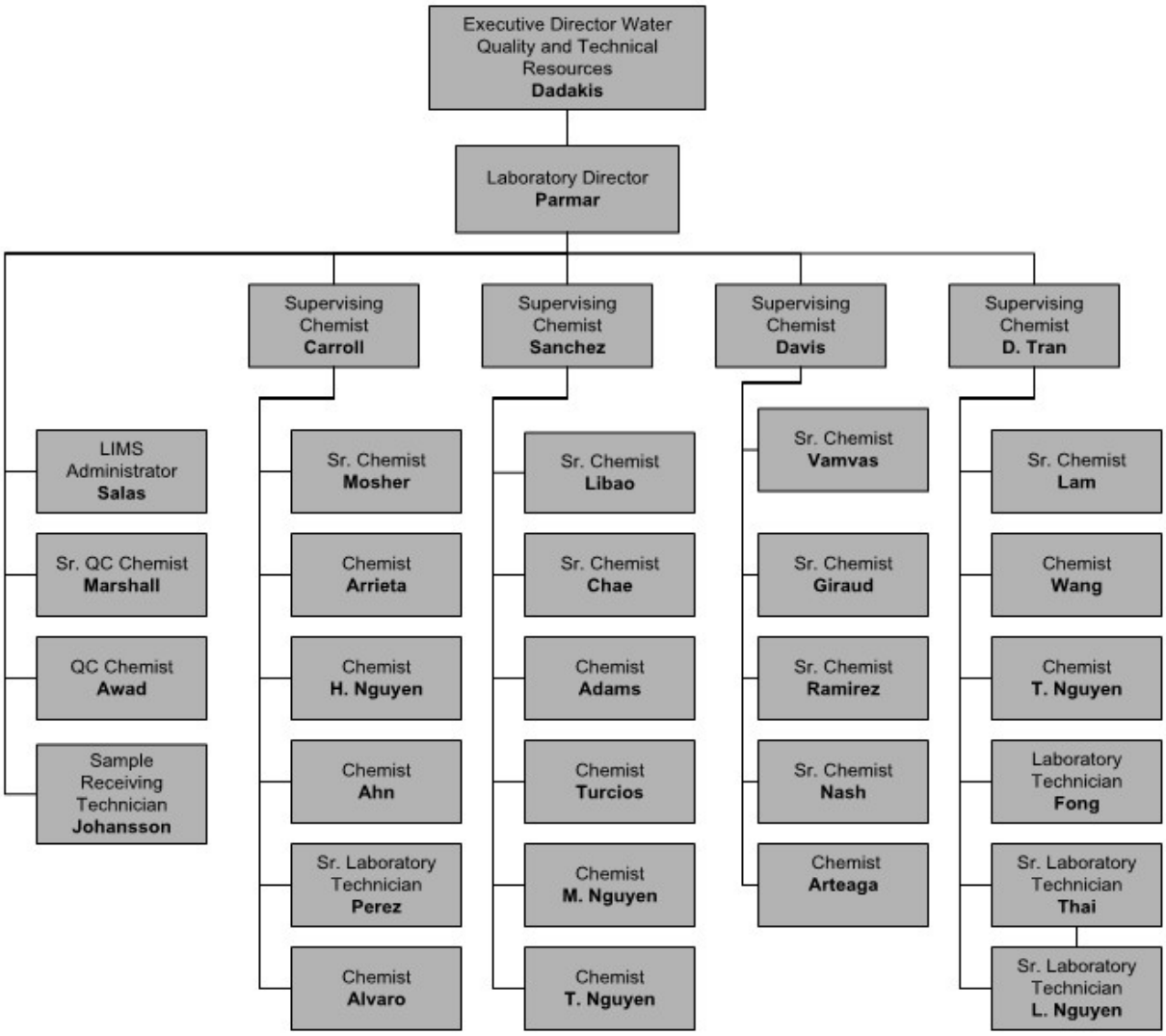
- Addition of one (1) Environmental Technician

VII Future Issues

In the next several years, the District will need to consider the following issues and the associated resources and costs:

- Evaluate and assess resources and monitoring requirements for PFAS Treatment Facilities. The additional responsibility of performing water quality monitoring at the expanding number of PFAS Treatment Facilities on behalf of the Producers will require increased planning, coordination, and resources to meet treatment compliance requirements.
- Evaluate and assess resources and options to meet the increasing new water quality monitoring workload generated by expanding projects, new projects, focused studies, and research partnerships (i.e., PFAS, UCMR5, GWRS injection or spreading, metals mobilization, tracer studies, SBGPP, NBGPP, seawater intrusion, etc.) with existing staff.
- Evaluate and purchase more efficient sampling equipment to improve productivity with field monitoring activities, treatment of purged groundwater, and replace aging vehicles, as needed.
- Adapt to (1) increasing new regulations requiring new monitoring activities, (2) implementing new and relevant research investigations, (3) researching enhanced protocols for equipment decontamination, and (4) assuring high-quality assurance with all field tasks and activities.
- Continue to provide field support for the GWRS project that includes enhanced monitoring activities at select downgradient wells for new areas in the basin, receiving GWRS water to (1) establish baseline conditions, (2) monitor metals mobilization, and (3) evaluate/assess changes in water quality.
- Microplastics: Continue to follow and participate in microplastics workgroups and webinars to ensure OCWD and Producer preparedness for potential microplastics monitoring and reporting requirements that could be established over the next few years in California.

PHILIP L. ANTHONY WATER QUALITY LABORATORY



Summary Information

Existing Staff – 32 FTEs

1 – Laboratory Director
1 – LIMS Administrator
4 – Supervising Chemists
1 – Sample Receiving Technician
8 – Senior Chemists
11 – Chemists
1 – Senior QC Chemist
1 – QC Chemist
3 – Senior Laboratory Technicians
1 – Laboratory Technician

Mission

Provide high-quality, timely, and efficient analytical services to support the Groundwater Producers' groundwater source water quality monitoring and unregulated contaminant monitoring requirements, as well as the District's water quality testing needs for groundwater quality assessment, operational support monitoring, permit-required water quality monitoring, and applied research in support of Basin management activities.

Key Issues for FY 2025-26

- Laboratory Information Management System (LIMS) – Continue working with IS Department staff on ongoing internal development of Citrus LIMS software. Citrus has been designed to be fully customizable based on the needs of the laboratory and is a significant improvement upon the outdated Aspen LIMS that had been utilized previously for 20+ years. Initial development of Citrus was completed during FY 2022-23 and utilization of Aspen LIMS has been discontinued, allowing lab and IS staff to focus on operating and optimizing Citrus. During FY 2024-25, staff continued to improve the Citrus LIMS + WRMS cross-database barcode scanning tool for sample collection and labeling that has significantly improved the timeliness of sample data availability to lab staff and overall sample log-in efficiency from previous manual data entry procedures. Staff developed updates to allow other District departments such as Research and Development and Hydrogeology to begin scheduling samples through the improved tool, thus eliminating manual data entry for nearly all samples brought to the lab. During FY 2025-26, lab and IS staff will continue to evaluate the efficacy of building out Citrus software with internal resources versus purchasing commercially available software to meet long-term LIMS requirements. As part of this evaluation, staff from both departments will need to prioritize the development of major functionality changes within the system, weighing out the time for both programming and testing of new functionality. Lab staff have developed a preliminary plan to prioritize foundational changes and updates to the LIMS system to improve the lab's efficiency and capabilities. Major LIMS functionality improvements planned to be addressed during FY 2025-26 include:
    - Develop a digital inventory and traceability system to support more efficient compliance with quality assurance requirements adopted by the State as of January 1st, 2024. This will replace lab staff manually tracing standards, chemicals, reagents, calibrations, and a variety of other measurements and documentation via paper logbooks. By developing this feature, the lab will continue to move towards becoming a fully digital laboratory, with the capability to transition to digital preparation and analytical logbooks. This functionality will lay the groundwork for the other major projects listed below.
    - Develop the ability to report lab data between the required Reporting Limit and Method Detection Limit, as is increasingly required by state regulations. Within existing Citrus LIMS, this will require a significant overhaul of the current structure of the data tables and incorporate metadata to create MDL-related reports more easily.

- Creation of new data structures to more efficiently organize samples based on status (received, prepped, analyzed, re-checked, reported, reviewed, approved). Current structures utilized in Citrus LIMS have been built based on rudimentary Aspen configurations and are significantly outdated; needed enhancements will require the writing of significant new code to identify and track the various sample status conditions. By implementing the barcode scanning functionality, LIMS is better set up to store the new statuses. Subsequently, develop an updated backlog system based on these sample statuses to allow staff to identify priority samples more effectively, samples that need to be re-analyzed, etc.
- Improve reporting tools and forms for improved exporting of preliminary lab data in a readable format that is more comprehensive and understandable for non-lab users.
- Continue improvements to the Manual Entry Tool (MET), which utilizes tablet data entry at the bench to upload data directly into LIMS to avoid traditional multi-step data recording and entry practices. Develop and execute a plan to standardize improvements made later in the MET process across methods. As part of these improvements, lab staff will work with IS staff to potentially move all lab staff to laptop computers capable of utilizing MET more efficiently than through tablets.
- Ensure any changes to the lab's analytical methods from internal and external audits can be effectively implemented in Citrus (new RDLs, new blank limits, new QC Type codes for MDL tool).

- Continued compliance with TNI 2016 Standards – In May 2020, the State Water Board's Environmental Laboratory Accreditation Program (ELAP) adopted a new set of laboratory regulations known as the TNI 2016 Standards. In FY 2023-24, the lab became compliant with these new standards prior to the January 1, 2024 deadline. This new set of regulations is designed to be the basis for accreditation for all environmental and water testing laboratories in California. To achieve ongoing compliance with these regulations in an efficient manner, lab staff will need to continue its development of quality systems for the management of document control, traceability of analyses, verification of method and analyst capabilities, purchasing, and more.
    - Regularly revise the lab's Quality Assurance Manual to comply with TNI regulations and to document current lab practices.
    - Continue to develop a coherent architecture of subfolders for the lab's dedicated LabDrive, locking them to avoid unauthorized editing, and migrating the files from existing NLab drive.
    - Continue annual review for all lab technical and non-technical SOPs.
    - Continue to improve upon existing internal audit schedules and checklists. Investigate the possibility of hiring a third party to assist in performing internal audits.
    - Continue to utilize Ideagen Quality Management software to assist on document control and tracking of the many new documents required for TNI compliance.

- Continue to develop tools and workflows in Citrus LIMS to comply with TNI traceability requirements.

- Federal Unregulated Contaminant Monitoring Rule – UCMR – All Groundwater Producers with > 10,000 service connections must complete the EPA UCMR 5 monitoring requirements from 2023-2025. EPA Methods 533 and 537.1 for PFAS analysis have been included in the final UCMR 5 (2023-2025), as well as lithium analysis by EPA 200.7. The lab began monitoring the UCMR 5 program in March 2023 and will continue monthly until the end of 2025.
- Per and Polyfluoroalkyl Substances (PFAS) Monitoring for Drinking Water Samples - In response to DDW-issued 4th round monitoring orders, effective in the first quarter of 2023, many Producers well sites have and will continue to be tested for PFAS compounds. The lab has also been tasked with providing monitoring data for the extensive Producer PFAS wellhead treatment facilities that began to come online in 2021 and are continuing to be constructed within the District's service. In addition, the lab is continuing to provide analytical data to support the District's base wide PFAS monitoring efforts, as well as piloting new treatment techniques for the remediation of PFAS. In response to the expected increase in PFAS analytical workload, the lab has continued to train additional staff to perform these complex extractions and analyses, utilizing three LC-MS/MS instruments in tandem.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	5,151,748	5,814,449	6,027,098
Services and Supplies	1,781,546	1,964,190	2,020,730
Total	**$6,933,294**	**$7,778,639**	**$8,047,828**

I FY 2025-26 Major New Initiatives/Programs

- Transition analysis of haloacetic acids from outdated gas chromatography method to a newer ion chromatograph direct injection method that will greatly improve lab efficiency and throughput while reducing staff workload in performing these analyses.
- A new ICP-OES instrument will be required to replace the existing 13-year-old unit that is no longer supported by the manufacturer. This instrument will be utilized for trace and alkali metals analyses in support of Groundwater Producer compliance monitoring requirements, GWRS monitoring requirements, and many other District monitoring programs.
- A new segmented flow analyzer (SFA) instrument is needed to replace the existing 10-year-old unit and provide redundancy for the lab's nitrogen species analyses such as ammonia, cyanide, nitrate, and nitrite. The lab conducts nitrogen monitoring primarily in support of Producer Title 22 compliance requirements, as well as the Coastal and Talbert Barrier monitoring programs.

II Core Activities

The Philip L. Anthony Water Quality Laboratory provides cost-effective analytical services in support of all monitoring programs and projects required by the District. Water quality data generated by the laboratory provides critical analytical information needed to make timely, accurate decisions for regulatory requirements as well as the direction and support of District policies. Our facility is certified by the State of California and US EPA.

Basic core laboratory activities include:

- Support Groundwater Producer's required drinking water quality compliance testing and source assessments.
- Support for GWRS, Green Acres Project (GAP), and North Basin EW-1 facilities with monitoring for both permit compliance and operational support.
- Support the District's basin-wide groundwater and surface water monitoring programs to provide information supporting basin management. Ensure proper method compliance with state and federal drinking water requirements. Protection of the Basin and the SAR through analytical monitoring.
- Method development using existing methods for emerging contaminants and water quality issues for both GWRS plant and basin-wide concerns.
- Procurement of needed analytical State Certifications with the SWRCB, as well as the development of any needed EPA methodology. Support federal monitoring programs as requested by the Groundwater Producers approved by District management.
- Support investigations in both treatment research and in-house analytical methodologies. Provide solutions to improve cost-effectiveness both within plant processes as well as with laboratory procedures.

III Non-Core Activities

The Laboratory's support has always been focused on core activities without many non-required duties. This has been based on years of natural growth in workload, which has caused non-essential tasks to be minimized. Non-core activities (secondary priority compared to core activities) conducted by the Laboratory group include:

- Applied research activities to develop new uncertified research analytical methods.
- Support for public relations tours.

IV Group Goals for FY 2025-26

<u>Installation and Setup of Other New Instrumentation/Equipment</u>

- A new microbiological incubator is needed to replace the existing 30-year-old unit that has reached the end of its useful life. The lab performs total coliform and E. coli analyses primarily in support of GWRS required monitoring.

- A new automated in-line dilution system used for trace metal sample preparation is needed to replace the existing 10-year-old unit that no longer functions effectively.
- A new double-door scientific refrigerator will be required to replace the oldest of 19 fridges in the lab used to store field samples. The refrigerator to be replaced is over 20 years old and has reached the end of its useful life.

Building Upgrades:

- Complete refurbishment of the laboratory washroom construction contract issued in FY 2024-25. This work includes new stainless steel fixtures, expanded glassware washing capacity, and supporting worker safety upgrades.

GWRS Operational, Research, and Compliance Support:

- The lab continues to generate operational and permit compliance data in support of the GWRS project. While adoption of a new Regional Board permit associated with the GWRS Final Expansion in December 2022 has resulted in a net reduction of GWRS-related monitoring (e.g., quarterly monitoring well sites reduced from 53 to 39) regular operational and compliance monitoring continues to represent a significant workload for the lab, particularly as the quality of the sample matrix changes dependent on the source water received from OC San. Laboratory staff members continue to coordinate sample loads, emerging chemical compounds, and investigations with the Water Production and Water Quality departments, as well as other departments and OC San.
- The lab continues to support GWRS–related applied research led by the Research & Development (R&D) Department. Ongoing support includes water quality testing of potential replacement RO membranes during their 6-12-month trial periods. Ongoing grant-funded research projects requiring lab support include those supported by the Water Research Foundation (WRF) and the US Bureau of Reclamation (USBR).
- The Division of Drinking Water approved the use of OCWD lab's in-house developed methods for 1,4-dioxane and nitrosamines analyses. Subsequently, the lab will work with ELAP and DDW to investigate a pathway towards receiving accreditation for District-developed in-house methods that are now approved for this required monitoring.

PFAS Research & Development:

- Planned work for FY 2025-26 will include ongoing sampling in support of research related to PFAS in various grant supported studies.

Santa Ana River Monitoring (SARMON) Program:

- The SARMON program requires monthly, quarterly, and annual testing at surface water and groundwater monitoring sites for a wide range of inorganic, organic, and microbiological contaminants. Related to SARMON, OCWD has embarked on an effort to better characterize sources of PFAS in Santa Ana River water, particularly storm flow, and these efforts are likely to continue in FY 2025-26.

SWRCB-ELAP's TNI 2016 Quality Standard:

- As previously referenced, the SWRCB has adopted the TNI 2016 standards and full compliance has been required since 2024. The lab will be assessed to TNI standards from this point forward, with the next biennially required third-party

assessment set to take place during FY 25-26. Lab staff will continue to use Ideagen Quality Management software to help with the document control and management required to comply with the new TNI standards.

V Pending Activities

Major activities not being fully supported include:

Outsourced monitoring:

- EPA 548.1 (endothall), EPA 508 (organochlorine pesticides), EPA 515.4 (chlorinated phenoxy acid herbicides), and EPA 556 (formaldehyde), bacteriophage, radioactivity, asbestos, and dioxin monitoring needs are sent out to contract laboratories. This is currently a cost-efficient approach by reducing chemical costs, and staff overtime as many of these tests are required infrequently, especially after recent monitoring program reviews and careful reductions of discretionary monitoring. Based on current sample loads, phenoxy acid herbicides, endothall, and formaldehyde, phage testing does not appear to have an increased focus within District monitoring programs, which would require in-house monitoring.

Research Activities and Agency Meetings:

- The Laboratory continues to provide limited support of District research activities. However, these support requirements must continue to be coordinated with available laboratory resources.

Method Development and Improvement – The laboratory seeks the following improvements and enhancements to its current emerging contaminant methods:

- Lowering the detection limit for sucralose from 100 ppt to 10 ppt or lower, in support of RO removal efficiency demonstration.
- Assessing the possibility of using direct injection for the CEC method to enhance throughput by avoiding sample extraction prior to analysis. Typically, direct injection does not permit the same level of accuracy and sensitivity at very low concentrations yet may be suitable for many District samples.
- Investigate the possibility of a direct injection method for analysis of PFAS to utilize as a screening tool for discretionary monitoring where sample results are not utilized for compliance purposes.
- Investigate the possibility of a direct injection method for analysis of pharmaceutical and personal care products (PPCPs) to reduce effort and cost applied towards sample extraction.
- Develop method for analysis of difluoro- (DFA) and trifluoroacetic acid (TFA) to assist in further characterization of organofluorine compounds within the groundwater basin.
- Investigate the ability to automate the EPA 522 and OCWD Nitrosamines methods extraction using the Promochrom SPE-03 system (already used for PFAS methods) to increase efficiency and reduce staff labor time and solvent usage. Consider the possibility of combining both methods into one for purposes of discretionary monitoring of NDMA and 1,4-dioxane together.

- Prepare to lower reporting limit capabilities for multiple trace metal elements such as hexavalent chromium, arsenic, lead, and mercury in response to proposed State updates to Detection Limits for Purposes of Reporting (DLR) expected to be required in 2025.

VI Staff Additions Needed for FY 2025-26

None

VII Future Issues

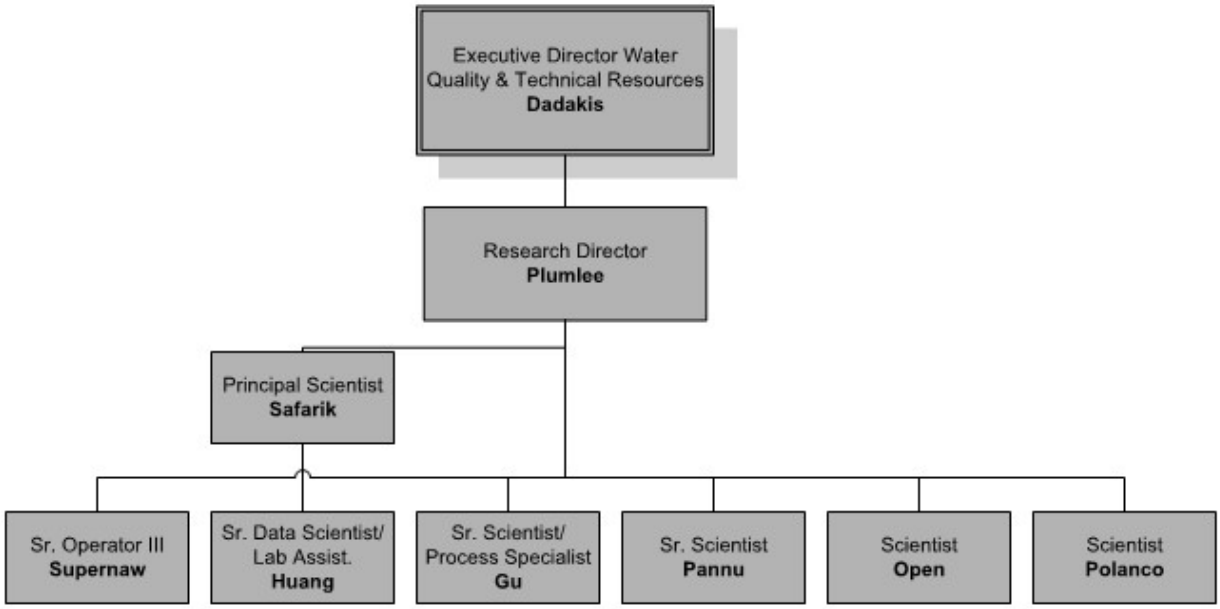
In the next two to three years, issues the District will need to consider include:

- The current lab building is now 16 years old, having opened for operation in 2009. Lab management is continuing to assess and more formally determine a replacement schedule for the building's large array of operational equipment. This will include items such as refurbishing existing corroded plumbing throughout the building, ventilation, and vacuum systems, the small-scale reverse osmosis system used to generate lab-grade deionized water for use throughout the lab, and other equipment that is now approaching the end of usable life.
- Continued laboratory support of the Unregulated Contaminant Monitoring Rule (UCMR). UCMR 5 monitoring will run from 2023 until 2025; an annual program audit by EPA and method compliance will be required within the next several budget cycles. The lab began monitoring this program in March 2023.
- Conditions may arise where we need to develop a more sensitive analytical method for 1,4-dioxane, PFAS, sucralose, pharmaceuticals, and other synthetic chemical compounds. LC-MS/MS or GC-MS/MS systems could be utilized to achieve these lower reporting levels.
- The District continues to strengthen our interactions and communications with Orange County Sanitation District's laboratory and source control programs. This relationship has benefited many of the water quality monitoring and characterization projects that have impacted our processes: NDMA formation study, 1,4-dioxane source control, chemicals of emerging concern (CECs), PFAS, etc. We continue to see potential benefits in collaboration and regulatory alignment with OC San divisions, as we further investigate new targets evaluating GWRS performance following the final expansion.
- With PFAS continuing to be a significant contaminant of concern within the groundwater basin, OCWD lab will need to stay abreast of future methodologies and technologies related to the analysis of this family of compounds. This includes total organic fluorine methods such as EPA 1621, which is now offered for accreditation by CA DDW for wastewater analysis. Lab staff will further research this and other similar total fluorine methods to support District characterization efforts and potential future monitoring requirements.
- Constituents of Emerging Concern (CECs) continue to receive political attention as a significant water quality issue. As our laboratory supports the monitoring of this issue, it is important to develop a proper priority setting process by which targets are brought on-line within our analytical monitoring programs. CEC monitoring requires significant analytical support and technical expertise using highly sensitive analytical

systems such as LC-MS/MS, IC/MS, and GC/MS/MS, and an enhanced target selection process is needed to effectively keep analytical resources properly addressed.

- Microplastics monitoring may be required in drinking water and more widely required by the Producers in the coming years, with the California State Waterboard currently investigating the health effects of microplastics in drinking water. In September 2021, SWRCB adopted two standardized methods for microplastics analyses by Raman and infrared spectroscopy. Anticipated FY 2025-26 monitoring requirements in the District's service area are expected to be limited to surface water treatment sites and thus would not fall within the District's monitoring obligation for the Groundwater Producers' source groundwater monitoring requirements. However, the lab may need to evaluate the ability to perform these analyses or outsource to a commercial laboratory should state monitoring requirements expand to recycled water or groundwater.
- Ultra-inert helium gas utilized for nearly all the lab's GC and GC/MS instrumentation continues to be in short supply. The lab will need to consider the possibility of transitioning all analyses to hydrogen gas, whether through compressed air tanks or via purchased gas generators. Currently, the lab utilizes one small-scale hydrogen generator to operate one GC-ECD for DBP analysis. A much larger scale generator would be required to power the other 11 instruments needing this type of carrier gas.

RESEARCH AND DEVELOPMENT



Summary Information

Existing Staff – 8 FTEs

1 – Research Director
1 – Principal Scientist
1 – Senior Operator III
1 – Senior Scientist
1 – Senior Scientist/Process Specialist
1 – Senior Data Scientist/Lab Assistant
2 – Scientists

Mission

Conduct applied research that supports the District's operational, regulatory, and water quality objectives through innovation, technology evaluation, development of new or improved processes and methods, and collaboration with universities and topic experts.

Key Issues for FY 2025-26

- Ongoing evaluation of treatment technologies for removal of per-and polyfluorinated alkyl substances (PFAS) from groundwater and other related PFAS research studies. This will include continuing PFAS adsorbent media pilot testing for groundwater treatment, surface water treatment during managed aquifer recharge (MAR) applications, treatment of PFAS in recycled water RO concentrate (ROC), and PFAS destruction. PFAS-related technologies will continue to be screened for potential piloting by R&D.

- In cooperation with Water Production staff, continue research in microfiltration/ultrafiltration (MF/UF), reverse osmosis (RO), and ultraviolet (UV)/advanced oxidation process (AOP) issues at the Advanced Water Purification Facility (AWPF) as related to Groundwater Replenishment System's (GWRS) efficiency, compliance, operation and maintenance (O&M), treatment costs, and water quality.
- Conduct new or continuing grant-support studies to determine if additional GWRS pathogen (e.g., virus) log removal value (LRV) credits can be documented, namely for the microfiltration/ultrafiltration process, the soil aquifer treatment process, as well as ongoing support to regulatory and plant staff related to R&D's prior studies on LRV for the RO and OC San wastewater treatment process.
- Continue to address focus areas previously recommended by the NWRI GWRS Independent Advisory Panel (IAP). This will include high throughput sequencing (metagenomics) for water quality assessment, and pathogen log removal credits for soil aquifer treatment.
- Continue to seek collaborative partnerships with other research groups (academic and industry) and funding agencies capable of expanding the scope of groundwater recharge, PFAS treatment, and advanced water treatment research at OCWD.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	1,579,002	1,703,538	1,700,108
Services and Supplies	252,431	526,380	566,759
Total	**$1,831,433**	**$2,229,918**	**$2,266,867**

I FY 2025-26 Major New Initiatives/Programs

- R&D will execute a new grant-funded research study led by Kennedy Jenks to evaluate the benefits of pretreatment to remove total organic carbon (TOC) from GWRS RO concentrate ahead of use of adsorbents such as IX to remove PFAS. The project will utilize pilot-scale testing of various adsorbents. This work will compliment R&D's current USBR grant partnered with Ovivo that is ongoing to study PFAS removal from RO concentrate.
- R&D will assess adsorption products (e.g., granular activated carbon [GAC] and ion exchange [IX] media) for PFAS removal and new broad-spectrum PFAS measurement methods via a new pilot media column skid located at the Yorba Linda Water District (YLWD) PFAS treatment facility. This represents a continuation of the R&D-led adsorbent pilot testing and screening which began in 2019 to support the design and media selection for the full-scale Groundwater Producer PFAS Treatment systems. Established single-use IX resins, regenerable resins, and newly available absorbents will be considered for testing and assessment using the new PFAS measurement methods.

II Core Activities

- Solve problems and research promising technologies to improve GWRS treatment processes, water quality, groundwater recharge, and injection. This includes piloting new technologies and evaluating new analytical methods for detecting contaminants and pathogens.
- Provide support and implementation of strategies to improve percolation and water quality for groundwater recharge for both GWRS and Santa Ana River (SAR) flows, as well as to increase capture and recharge of SAR flows via more efficient recharge practices.
- Report research progress internally via inter-departmental communications, reports, and via participation in the Recharge Enhancement Working Group (REWG).
- Report research progress externally via publishing and presenting of research findings. R&D will continue outreach and publication of R&D work for the public, as suggested by the Board of Directors, in collaboration with Public Affairs. This will include presentations via the OCWD webinar series.
- Seek external funding.

III Non-Core Activities

- Participate in scientific advisory panels, research advisory boards, and research project advisory committees (PACs).
- Provide consulting information to other water agencies, utilities, and regulatory agencies.
- Extend staff resources via OCWD Postdoctoral Research Program to assist priority research projects as-needed.

IV Group Goals for FY 2025-26

GRANT FUNDED RESEARCH:

R&D continually seeks external research funding from various organizations, often partnering with universities, engineering consulting firms, other utilities, or technology providers to develop proposals.

For FY 2025-26, the following projects have already been funded wholly or partially through external grants, including funding for OCWD labor and/or equipment/supplies:

- ***Evaluation of Bench-Scale Methods to Predict Drinking Water PFAS Removal Performance of Ion Exchange and Novel Adsorbents at Pilot- and Full-Scale*** *[2022 to 2026]* – This project was funded by The Water Research Foundation (WRF) Tailored Collaboration program and is expected to be completed in FY 2025-26. The project lead is OCWD in collaboration with WQTS (Water Quality and Treatment Solutions) and Jacobs Engineering. This research evaluates laboratory methods to assess IX and novel (alternative) adsorbent performance, comparing Recirculating Column Isotherm (RCI), rapid small-scale column testing (RSSCT), and Bottle Point

Isotherm (BPI), to pilot-scale data or where available, and full-scale performance data. In FY 2025-26, the WRF final project report will be completed and a journal publication drafted.

- ***Data-Driven Fault Detection and Process Control for Potable Reuse with Reverse Osmosis*** *[2022 to 2026]* – This project is funded by the National Alliance for Water Innovation (NAWI), a Department of Energy (DOE)-funded Research Hub. The project lead is Carollo Engineers in collaboration with OCWD, Yokogawa, West Point, NWRI, Baylor University, and other partners to develop artificial intelligence (AI)-based optimization methods applicable to potable reuse treatment facilities. The cloud based, semi-autonomous machine learning (ML) technology was piloted for a full-scale GWRS RO unit in FY 2024-25 and will continue into FY 2025-26 as Year 2 and 3 of the project based on models generated by Yokogawa and Carollo in Year 1.
- ***Evaluation of Passive Treatment to Remove PFAS During Groundwater Recharge*** *[2023 to 2025]* – This project is funded by USBR's Desalination and Water Purification Research Program Pitch to Pilot for 1.5 years with a contract start date of March 2023. This project is led by OCWD in partnership with Colorado School of Mines and Kleinfelder. The study assesses the ability for adsorbent (media) technologies to remove PFAS in situ in recharge ponds and related infiltration systems (e.g., OCWD's existing pilot riverbed filtration system) during managed aquifer recharge (MAR) of infiltrating surface water (i.e., shallow groundwater) at pilot and demonstration scale. In FY 2025-26, a column system will continue to be operated as a pilot test to evaluate media treatment of surface water from Warner Basin, which features native sand as pre-treatment and employs low flow rates to represent environmental percolation. Additionally, the testbed demonstration-scale system utilizing concrete test cells will continue to be operated, and a journal publication will be developed.
- ***Real-Time Detection of Volatile Organic Compounds in RO-Based Potable Reuse*** *[2023 to 2025]* – This project is funded by WRF for a two-year contract that began 2023. This project is led by Entanglement Technologies and Southern Nevada Water Authority. OCWD serves as the test site to demonstrate a novel online analyzer developed by Entanglement Technologies for measuring VOCs in the advanced purification treatment train for potable reuse. In FY 2025-26, the long-term operation of the VOC analyzer at full scale will be verified. Once this verification is completed, the analyzer will be installed on an RO pilot unit to evaluate its performance through chemical peak simulations.
- ***Pilot-Scale Evaluation of RO Concentrate (ROC) PFAS Treatment by Adsorption and Electrochemical Oxidation*** *[2023 to 2026]* – This project is funded by USBR's Desalination and Water Purification Research Program Pitch to Pilot for 1.5 years with an estimated contract start date of July 2024. This project is led by OCWD in partnership with Kennedy Jenks, Ovivo, and E2Metrix to evaluate removal and destruction of PFAS in RO concentrate

(ROC). At pilot scale, this project will evaluate the effectiveness of adsorbent media such as granular activated carbon (GAC), ion exchange (IX) resins, and novel alternative adsorbents (first step) followed by destruction of the PFAS (second step) via an electrochemical oxidation approach after PFAS extraction from the spent (exhausted) media. In FY2025-26, best-performing medias will be evaluated over longer term, and PFAS destruction via electrooxidation will be trialed.

- ***Pilot-Scale Testing of TOC-Reduction Ion Exchange Resins (MIEX) As A Pretreatment Technology for PFAS Removal From RO Concentrate Using Adsorbents*** [*2025 to 2027*] – This project, funded by WRF's Unsolicited Research Program, will span two years with an estimated start date of April 2025. Kennedy Jenks will lead the project in partnership with OCWD as the sponsoring utility, along with Valley Water, Colorado School of Mines, and Arizona State University. At pilot-scale, this project will evaluate potential benefits of pretreatment of ROC using magnetic ion exchange resins (MIEX) ahead of treatment to remove PFAS using GAC, IX and alternative adsorbents. If PFAS removal is practical in terms of treatment and cost, particularly with TOC reduction pretreatment technologies, there is potential to prevent discharge of PFAS to the environment. In FY 2025-26, the project will be initiated including pilot system commissioning at OCWD.
- ***Estimating PFAS using Total Fluorine Methods in Influent and Effluents from a Pilot-scale Adsorption System*** *[2023 to 2026]* – This project is funded by WRF's Tailored Collaboration Program for two years with an estimated start date of April 2025. This project is led by OCWD as the sponsoring utility with co-funding being provided by Tucson Water and the California State Water Resources Control Board. Other project partners will be YLWD, Kleinfelder, Babcock Laboratories, and Vitens. As a part of this project, R&D will evaluate the removal of PFAS from drinking water supply (groundwater from production well at YLWD's PFAS treatment facility) using broad spectrum measurement methods alongside conventional targeted PFAS measurement methods, in a pilot-scale system. The pilot will compare adsorbents including GAC, single-use IX resins, an alternative adsorbent, and novel regenerable IX resins. In FY 2025-26, the project will be initiated including pilot system commissioning at YLWD.
- ***Use of Colloidal Particle Monitoring for Microfiltration/Ultrafiltration Optimization in Water Reuse Facilities*** *[2023 to 2025]* – This project is funded by USBR's Desalination and Water Purification Research Program and began in 2023. The project is led by Kennedy Jenks in partnership with OCWD and Hyperion Analytical to evaluate Hyperion's novel Nanoparticle Tracking Analysis (NTA) instrument to support operation of microfiltration (MF) or ultrafiltration (UF) for potable reuse treatment systems. OCWD is serving as the test site for this study which seeks to field test the technology to: i) directly measure the colloidal particles (i.e., nanoparticles) composition

(concentration and size distribution) in MF/UF feed water to facilitate smart backwashing (i.e., colloidal particle count-based backwashing rather than current full-scale GWRS plant approach of fixed time-based backwashing) to minimize membrane fouling; and ii) evaluate use of nanoparticles as a surrogate for pathogen removal for membrane integrity monitoring via online water quality (nanoparticle) monitoring. In FY25-26, the project team will continue collecting colloidal particle data and monitoring UF performance in relation to colloidal concentrations in the UF feedwater. The data will undergo continuous analysis, a final project report will be prepared, and a formal manuscript will be developed for publication.

- ***Improving RO Recovery through Optimization of Flux and Pump Usage with Real-Time Sensor Connectivity, Data-driven Modeling, and Automation*** *[2023 to 2026]* – This project was funded by USBR's Desalination and Water Purification Research Program Pitch to Pilot for a 17-month project duration with a contract start date of June 2023; a project extension will be requested through FY 2025-26. The project is led by Hazen (engineering consulting firm) in partnership with OCWD and University of Delaware. The goal of this project is to use connected sensors and real-time data acquisition coupled with machine learning (ML) and the latest in process automation to develop predictive algorithms with automated advisory process controls that can optimize pump energy, membrane flux (i.e., production), RO recovery and RO feed acid dosing and antiscalant dosing to reduce energy, maximize production, and minimize chemical costs while maintaining membrane condition by minimizing fouling and scaling. The technical approach involves building real-time data connectivity and dashboards, developing artificial intelligence (AI)/ML models and automation control strategies, and deploying an AI-based automated system at pilot scale as an advisory support tool. The majority of the work is expected to be completed in FY 2024-25. In FY 2025-26, the project team will finalize the development of a GWRS RO dashboard as well as a pilot RO dashboard utilizing real-time RO data.

- ***A Convergent Monitoring Platform for Dynamic Characterization of Reverse Osmosis Membrane Fouling and Demonstration of Innovative Control Strategies*** *[2024 to 2026]* – This project is funded by NAWI and led by Rice University and the University of Texas. OCWD is a subawardee and serves as the test site for this study to characterize RO biofilm maturation dynamics. Other partners are UT Knoxville, ORNL, Carollo, as well as partners representing technologies to be tested, Noria Water and NALA Membranes. In FY 2025-26, among other biofouling-related tasks, the research team will evaluate data from 6 pressurized RO membrane flow cells and non-pressurized flow cells installed on the District's full-scale RO system feed line.

- ***Particle-Induced Gamma Ray Emission (PIGE) as a Novel Method to Measure PFAS in Water*** [*2024 to 2026]* – This two-year project is funded by the United States Environmental Protection Agency (EPA) Small Business

Innovation Research (SBIR) program and is led by a start-up company founded by researchers from the University of Notre Dame. OCWD is a subawardee. An earlier phase of the project was funded by WRF for the University of Notre Dame and OCWD to demonstrate the university's Particle-Induced Gamma Ray Emission (PIGE) method as a practical tool to estimate concentration of total PFAS content in water samples, reported as total adsorbable organic fluorine (AOF). In FY 2025-26, the new phase of work will evaluate the use of a field-deployable water sampling device developed for use with PIGE at multiple partner water agencies to be identified.

OTHER RESEARCH:

The projects below are funded/supported internally by OCWD without external grant funding. For some projects consisting of collaboration between OCWD R&D Department staff and a university or technology partner, the project partner may have grant funding that does not include the District, or OCWD may provide funding to the partner to support the research. This is indicated in the summaries below, where applicable.

AWPF PROCESS OPTIMIZATION:

- **AWPF Support** – R&D will continue to engage in short-term research activities on an ad-hoc basis to assist the Water Production and Engineering Departments in testing new approaches and solving problems arising during operation of the AWPF. Examples of applied research under this activity have included:
  - Autopsy (microbial and chemical analysis) of fouled MF and RO membranes from the AWPF and Engineering Research Center (ERC).
  - Advisory support and equipment for controls and sampling apparatus for ongoing AWPF RO bacteriophage monitoring.
  - Annual reports and presentations to the NWRI Independent Advisory Panel (IAP) regarding GWRS performance.
  - Assisting Engineering and Water Production staff to determine mechanisms and solutions for GWRS Pipeline and Barrier Pipeline lining erosion.
  - Working with Water Production staff in evaluating new technologies/sensors for improved monitoring of water quality, membrane performance and process monitoring.

- **MF/UF Performance/Fouling Research** – R&D will continue to investigate methods to understand and address MF/UF fouling and performance issues. In FY 2025-26 this will include:
  - Investigation of the use of alternative (non-chloramine) biocides such as hydrogen peroxide based on findings from grant-funded work completed previously. This work demonstrated that at pilot-scale, use of hydrogen peroxide as a replacement of chloramine in the UF feed

performs very favorably (compared side by side with a control UF pilot that utilized standard chloramine) over a long-term study, i.e., lower transmembrane pressure and significantly prolonged membrane cleaning intervals. In FY 2025-26, R&D will evaluate the impact of hydrogen peroxide on MF and RO membranes through controlled pilot-scale testing. Grant funding is pending a submitted application.

- Evaluate alternative cleaning chemicals proposed by vendors for UF and MF. Grant funding may be sought.
- Investigation of MF feedwater fouling potential using online and laboratory analysis tools such as total organic carbon (TOC), Peak C (humics), excitation emission matrix (EEM) and liquid chromatography-organic carbon detection (LC-OCD).

- **Use of Colloidal Particle Monitoring for Microfiltration/ Ultrafiltration Optimization in Water Reuse Facilities** *[2023 to 2025]* – This project is funded by USBR and was noted previously under the section "Grant Funded Projects".
- **RO Performance/Fouling Research** – For FY 2025-26, R&D will execute several grant-funded studies related to RO (see six studies listed in previous section on grant funding) as well as other full- or pilot-scale RO studies (see next section on ERC).
- **Advanced Oxidation Process (AOP) Studies** – Previously R&D has completed research aimed at characterizing the chemical dynamics of the GWRS UV/H_2O_2 process and optimizing the performance of the Trojan Technologies UVPhox reactor train through UV pilot reactor studies. In FY 2025-26, R&D will support this topic on an as-needed basis and continue to provide data and water samples to university-led projects related to AOP upon request.
- **Water Quality Characterization at AWPF** – Planned studies related to water quality characterization include:
  - **Characterization of Microbial Communities at AWPF Using Metagenomics** *[2022 to 2026]* – R&D staff will continue to perform DNA sequencing for characterizing and quantifying the occurrence of different microbial targets (e.g., bacteria, viruses, and protozoa) that make up the microbial community of GWRS through different treatment stages. This effort builds upon prior grant-funded studies and addresses NWRI IAP encouragement to sequence and evaluate metagenomes (DNA of microbial population) from GWRS water samples. During FY 2024-25, monthly samples were collected from GWRS influent (Q1), MF/UF feed, RO feed and UV product water. Sequencing data from Q1 and MF/UF feed samples revealed seasonal variability of bacterial populations, with *E. faecalis*, *E. coli*, and *F. halioticida* being the most abundant species. In FY 2025-2026, staff will focus on using the technology on a specific unit process (e.g.,

MF/UF performance) as a tool for microbiological monitoring and utilize laboratory services (UC Irvine) to develop cost-effective analysis.

- **Microbial Water Quality Monitoring using Surrogate Virus Indicators** *[2025 to 2026]* – Quantitative polymerase chain reaction (qPCR) and digital polymerase chain reaction (dPCR) are powerful molecular biological assays that report the concentration of genetic material from a specific microbial target (bacteria and viruses). R&D will develop a rapid qPCR/dPCR assay for detection of specific viruses in GWRS water samples. Data will be used to calculate virus log-removal values on an ongoing basis to understand microfiltration (MF), ultrafiltration (UF), and RO performance as it relates to microbial removal.

PILOT- AND FULL-SCALE TESTING AT AWPF AND ENGINEERING RESEARCH CENTER:

Pilot- or full-scale testing conducted by R&D Department staff at the AWPF or Engineering Research Center (ERC) is summarized below. These projects are highly applied and focus on the demonstration of a technology, operational approach, or product. Pilot/full-scale studies with grant support were noted in an earlier section.

A list of equipment and systems supporting these activities is presented in Table 1.

- **Low-Pressure Membrane (MF and UF) Pilot-Scale Product Evaluation Program for AWPF** *[2015 to present]* – Between 2015-2020**,** this program evaluated six low-pressure membrane products (i.e., microfiltration [MF] and ultrafiltration [UF] membranes) for the GWRS to support a product selection decision for the 30-mgd GWRS Final Expansion (GWRSFE). Long-term piloting evaluations for UF products were completed at the OCWD Engineering Research Center (ERC) as well as at OC San Plant No.2 (P2). In FY 2025-26, UF pilot testing will continue for a new membrane product from Toray that is a directly retrofittable (for GWRS) UF module.
- **Antiscalant Testing Program and 3rd Stage RO Monitoring** *[2008 to present]* – The GWRS RO system requires specialty chemicals, including antiscalant and acid, to prevent the precipitation of sparingly soluble minerals that scale the membranes. In FY 2024-25, R&D staff completed a pre-test of a biodegradable antiscalant using RO pilot #3. Additionally, RO pilot #3 and new RO pilot #4 underwent control and data acquisition system upgrades. In FY 2025-26, R&D will begin pilot-scale testing additional selected antiscalant products, in particular a proposed AWC antiscalant that addresses silica, after commissioning the recent upgrades to RO pilot #3 and #4. R&D will also continue to monitor GWRS RO performance using four systems (B01, B02, D01, and A01 3rd Stage Monitoring Vessels) operating within the full-scale RO facility.

- **RO Membrane Testing Program to Support Procurement and** *[2009 to present]* – Commercial RO membrane products continue to be developed which pose the potential for benefits in enhanced permeability and rejection. R&D evaluates these products through 6-12 month testing using eight "satellite" full-scale RO vessels located in the GWRS RO facility and dedicated to this program. Seven satellite vessels receive RO feed water and one vessel receives third stage RO feed. Products deemed successful are short-listed for future membrane procurements. In FY 2025-26, R&D will continue testing new, commercially available RO products ahead of potential procurements. Beyond RO membrane procurement, the satellite vessels provide the opportunity to test new RO performance enhancement technologies (such as novel spacers and novel membrane coatings) at full-scale if the technology is available for full-scale elements.

Table 1. Summary of Pilot-/Full-Scale UF and RO-Related Testing at ERC or AWPF

Pilot Equipment	FY 2024-25	FY 2025-26
UF pilot #1	Pilot upgrades; Alternative Disinfectants Study (USBR)	Toray UF product trial (performance and cleaning optimization)
UF pilot #2	Pilot upgrades; Alternative Disinfectants Study (USBR)	Hydrogen peroxide MF evaluation/Collaborator projects
UF pilot #3 *(new pilot received FY 2022-23)*	Commissioning new pilot; Alternative Disinfectants Study with MF membrane	Toray UF trial (see UF pilot #1) may be relocated to this pilot
RO pilot #3	Pilot upgrades; Collaborator project: Hazen-led USBR project.	Antiscalant evaluations/ NAWI Rice/UTA project/Hydrogen peroxide evaluation
RO pilot #4 *(newer pilot received FY 2022-23)*	Pilot upgrades/ Antiscalant evaluations	Antiscalant evaluations
GWRS 3rd-stage RO monitoring vessels (A01, B01, B02, D01)	Ongoing monitoring	Ongoing monitoring
GWRS RO satellite vessels (A01, A02, B01, B02, C01, C02, D01, D02)	1st and 3rd stage position RO products or improvement technology performance tests	1st and 3rd stage position RO products or improvement technology performance tests

As reflected in the above table, during FY 2024-25 several upgrades and maintenance activities were completed for select ERC pilots to modernize equipment, increase data security, and maintain good functionality, as well as to accommodate and treat the new GWRS Final Expansion source water (e.g., greater salinity) related to the new addition of OC San Plant 2 effluent. This included adding an interstage booster pump to RO pilot #3 and commissioning RO pilot #4 for antiscalant evaluation studies.

Additional modernization efforts planned for FY 2025-26 include:

- A satellite pressure vessel (PV) system in the GWRS RO plant will be upgraded to include a feed booster pump with VFD to improve flow control over a wider pressure range. The satellite PVs are utilized by R&D for the ongoing RO membrane testing program to support procurement described previously.
- Select satellite PVs in the GWRS RO plant will be upgraded to have real time flow and pressure data recorded via data loggers.
- R&D will also explore options to construct an online data dashboard for various pilots and SVs at the ERC and in the AWPF RO building.

FOREBAY O&M:

- **Forebay Recharge Dashboard [2023 to present]** – R&D will work with recharge operations to construct a dashboard that improves visualization of recharge basins. This includes metrics like recharge rates, elevation, inflows and outflows, as well as a map component. Additionally, R&D will apply for a funding opportunity through USBR WaterSMART's applied scient grants which awards projects in the development of tools and information to support water management.

PFAS:

- For FY 2025-26, R&D will execute several grant-funded studies related to PFAS (see six studies listed in previous section on grant funding). Additional PFAS studies not currently tied to a grant award are noted below.
- **PFAS Adsorbent Screening Program** *[2019 to present]* – See entry under FY2025-26 *New Initiatives/Programs* above.
- **PFAS Treatment Plant Dashboard** *[2022 to present]* – R&D will continue collaborating with Engineering and Water Quality staff to maintain and further develop a comprehensive PFAS treatment plant dashboard. The tool seeks to assist stakeholders by visualizing breakthrough data and water quality at PFAS treatment sites while compiling all PFAS data into a single easy-to-access location.
- **Evaluation of Supercritical Water Oxidation (SCWO) for Destruction of Spent IX Waste from PFAS Treatment** *[2023 to 2026]* – SCWO is a potential treatment solution to destroy the spent IX resin waste generated from the various Producer wellhead treatment systems constructed by OCWD to remove PFAS from groundwater before drinking water distribution. SCWO is a physical-thermal process relying on the unique reactivity and transport properties of water above 374°C and 3200 psi. At this temperature and pressure, it is expected that PFAS bound to the spent resin will be destroyed. In FY 2024-25, R&D staff interviewed several technology providers to identify candidates suitable for this unique application of SCWO that otherwise has historically been used for hazardous liquid concentrates. Based on these findings, this project will include offsite testing by two different SCWO

technology providers, 374Water and General Atomics, to destroy spent IX resin provided by OCWD R&D staff from a local IX PFAS treatment system.

GWRS O&M:

- **Injection Well Fouling and Pipeline Integrity Issues** *[2013 to present]* – R&D staff will continue to provide ad hoc support for Barrier Operations, including microscopic, biological, and biochemical analysis, as well as analysis of field or operational performance data as necessary. This includes assisting Water Production/Barrier staff in evaluating and monitoring particle sloughing in the GWRS Pipeline and Barrier Pipeline and assisting Water Production/Barrier staff in evaluating the effect of Mid Basin Injection Well (MBI) fouling as the function of particle sloughing from the GWRS Pipeline.
- **Removal of Microbial Indicators by Soil Aquifer Treatment During GWRS Recharge** *[2021 to 2026]* – This study evaluates target pathogen removal during groundwater recharge, i.e., removal via soil aquifer treatment (SAT). Work includes literature review, laboratory benchtop and in-situ diffusion chamber measurements of virus inactivation and decay. The overall objective is to determine virus log removal values (LRVs) during SAT to potentially be applied toward AWPF regulatory requirements for virus removal (a minimum of 12 log of virus removal required from raw OC San influent to potable well extraction). Planning began in FY 2021-22 and included review by the GWRS Independent Advisory Panel (IAP) that recommended OCWD collect site-specific data rather than make a credit proposal solely based on available related literature evidence of decay rates. In October 2022 (FY 2022-23), a test plan was submitted to the state Division of Drinking Water (DDW). In FY 2025-26, R&D staff will execute the test plan pending its review and approval by DDW.

PRADO WETLANDS SUPPORT:

Under direction from, and in coordination with, the Natural Resources Department, R&D staff support wetlands research efforts as-needed. This requires coordination with wetlands operations staff and Prado staff. In the last ten years, R&D efforts related to wetlands have primarily consisted of hosting university-led projects that the District agrees to support. In FY 2024-2025, this included coordination with Colorado School of Mines (Mines) to allow site visits and sampling, and support for Mines proposal pursuits for grant funding. Additionally, R&D supported District wetlands research strategic planning led by the Natural Resources Department. In FY 2025-26, R&D will continue to support these efforts.

COLLABORATIVE STUDIES AS PARTICIPATING UTILITY:

The “participating utility” designation in research studies for a utility like OCWD refers to the utility committing to a role as an official testbed partner on a grant-funded project, typically led by a university or engineering firm research team, where the utility serves as a test site and provides practical perspective on the approach and findings. Compared to the research team, the utility plays a smaller role in the overall task work and does not provide leadership or have oversight responsibility. OCWD regularly

participates as a participating utility in such projects with universities and other partners, often facilitated by R&D staff. In these efforts, OCWD provides water samples, data, operating history, hosts site visits, serves on the Project Advisory Committee (PAC) or related technical committee, and/or provides other support as an in-kind contribution. It is typically initiated with a support letter from OCWD for the competitive proposal. These projects are listed in the biannual *R&D Project Update Report*, with the funding agency and prime OCWD point of contact noted. In FY 2025-26, R&D and other District staff expect to serve as a participating utility in approximately 20 different projects.

V Pending Activities

None

VI Staff Addition Needed for FY 2025-26

- Hiring LTC Postdoctoral Research Associate to complete studies such as related to PFAS treatment.

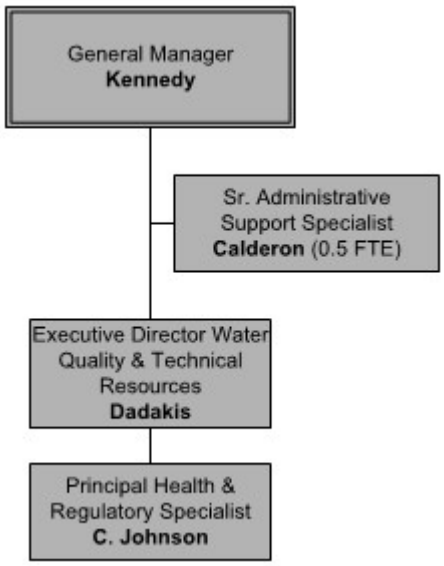
VII Future Issues

The purpose of this section is to list future issues, developments, and opportunities related to the District's objectives that may affect R&D or where R&D may contribute.

- Opportunities for future pilot testing, whether located at the Engineering Research Center or elsewhere on-site, to identify new technologies and operational strategies for the AWPF include:
    - Next-generation MF, UF, and RO membranes for the AWPF.
    - New chemical treatment techniques capable of enhancing MF and RO effectiveness and reducing operating costs.
    - Technologies for enhancing water recovery.
    - Membrane performance optimization through machine learning and Artificial intelligence (AI) analytics of process data.
    - New or improved AOP methodologies (e.g., chlorine AOP, catalytic AOPs).
    - Treatment of RO concentrate for the destruction of trace organics or improved performance of concentrate water recovery technologies.
- Evaluation of new methodologies capable of enhancing recharge efficiency, or studies of recharge impacts, such as:
    - Strategies for improved basin management.
    - Column studies or related experimentation, building on previous findings, to understand and minimize clogging in recharge systems that are fed AWPF FPW or other water supplies.
- Evaluation of new and novel methods of measuring water quality, including:

  - Sensing methodologies capable of real-time or near-real-time assessment of the UF, MF, RO and AOP barriers to chemical contaminants of public health concern.
  - Molecular biological methodologies for virus and bacterial pathogen detection and identification, such as Droplet Digital PCR for organisms of interest related to AWPF or of public health concern.
  - Bioassays to assess toxicity and other specific biological responses.
- Identification of novel treatment technologies or analytical methods for per- and polyfluoroalkyl substances (PFAS), including perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS). This may include pilot testing new technologies applicable to groundwater.
- Developing advanced dashboard tools to facilitate staff access to data and information and to promote ease of various District departments' workflows and decision-making. Dashboards can enable monitoring of process performance in real-time or near-real-time, improve efficiency of reporting and data analysis, and enable proactive insights into facility and process performance. In the future, such tools may be able to predict potential issues that could negatively impact operations, allowing for timely intervention and improved system reliability.

REGULATORY AFFAIRS



Summary Information

Existing Staff – 2.5 FTEs

1 – Executive Director of Water Quality & Technical Resources

1 – Principal Health & Regulatory Specialist

0.5 – Senior Administrative Support Specialist (shared with Hydrogeology)

Mission

Assure reasonable regulation of District projects and programs through the interface with regulatory agencies, acquisition of necessary permits, and implementation of water quality monitoring and research programs to support district goals and compliance with current and anticipated future water quality regulations. In addition, manage and oversee the Water Quality, Laboratory, and Research & Development (R&D) Departments.

Key Issues for FY 2025-26

- Per- and polyfluoroalkyl substances (PFAS) – Assist Groundwater Producers with impacted wells/sources, monitoring orders, required governing bodies, public notifications, and the permitting of wellhead treatment systems. This will include facilitation of Producer PFAS Workgroup meetings on an as needed basis; review of state Public Health Goals (PHGs), Notification Levels (NLs), and Response Levels (RLs); assisting Water Quality with implementation of compliance monitoring for new federal PFAS Maximum Contaminant Levels (MCLs); working with R&D department on evaluation of PFAS destruction technologies; working with Hydrogeology, Water Quality, and Laboratory departments to characterize the occurrence of PFAS in local

groundwater; ongoing assessment of PFAS occurrence in the Upper Watershed; interacting with state and federal regulators as needed; and supporting cost recovery litigation and settlement processing.

- Coordinate the preparation and submittal of the calendar year 2024 Groundwater Replenishment System (GWRS) Annual Report and the next Santa Ana River (SAR) Water Quality Report.
- Provide permitting support for potential future recharge facilities including Sunset Gap Seawater Intrusion Barrier and Anaheim OC River Walk.
- Lead preparations for the 2024 meeting of the GWRS NWRI Independent Advisory Panel.
- Prepare Climate Change Action Plan by December 2025 as required in Regional Board permit for the GWRS Final Expansion.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	641,125	621,543	669,827
Services and Supplies	173,912	417,400	297,400
Total	**$815,037**	**$1,038,943**	**$967,227**

I FY 2025-26 Major New Initiatives/Programs

- Provide permitting support for potential future recharge facilities including Sunset Gap Seawater Intrusion Barrier and Anaheim OC River Walk.
- Review and implement new requirements resulting from state adoption of Cross Connection Control Policy Handbook as applicable to GAP and GWRS.
- Monitor state development of state Public Health Goals, Notification/Response Levels, enforceable standards, and compliance monitoring approaches for PFAS, NDMA, 1,4-dioxane, and other pending emerging contaminants.
- Assist with WateReuse California-funded CALVAL Phase 2 effort to develop unit treatment process specific guidance documents for potable reuse treatment process regulatory validations.
- Evaluate feasibility of pathogen log removal crediting for pipeline chloramination in the GWRS.
- Coordinate with R&D staff on regulatory impacts of GWRS-related efforts including implementation of new underground retention virus study (pending regulatory approval of study plan) and flow reversal reverse osmosis (FRRO) full scale piloting.
- Coordinate with Planning, Recharge Operations, and Water Quality staff to evaluate nitrate removal through Prado Wetlands under modified wetlands management scenarios and impact on downstream recharge operations.

II Core Activities

The Regulatory Affairs Department is primarily responsible for the District's permits with the State Water Resources Control Board (SWRCB), the Regional Water Quality Control Board (RWQCB), DDW, and the Orange County Health Care Agency (OCHCA) and assuring compliance with all monitoring and quality requirements.

Core activities include:

- Manage Water Quality and Technology Group, which includes the Laboratory, Water Quality, Regulatory Affairs, and Research and Development.
- Obtain permits and negotiate conditions for District projects and facilities from health and regulatory agencies such as the SWRCB, RWQCB, DDW, and OCHCA.
- Assure compliance with permit conditions, including monitoring and reporting to regulatory agencies. Reporting includes monthly GWRS Pathogen LRV compliance, quarterly and annual GWRS and GAP reports, GWRS NPDES SAR Emergency Discharge Self-Monitoring, and Annual Recycled Water Production.
- Facilitate regular coordination between Water Quality and Technical Resources departments and OC San Division of Environmental Services, which includes OC San Laboratory, Ocean Monitoring, Environmental Compliance, and Resource Protection (i.e., Source Control) staff, with emphasis on identifying compounds of concern for control via the GWRS Source Control Program, including testing needs and concentration limits.
- Help manage and coordinate OCWD participation in external research projects with funding support, in-kind contributions, the provision of providing water quality samples and historical data, and the review of draft reports.
- Continue to support Planning and Engineering Departments with water quality and permitting needs for future GWRS recharge and injection facilities.
- Coordinate with the National Water Research Institute (NWRI) on the management of Independent Advisory Panel (IAP) appointed for GWRS.
- Evaluate recommendations from the NWRI GWRS IAP and prioritize implementation.
- Review sampling and analysis program results for the Santa Ana River and follow up on recommendations from the SARWQH Study and the SARMON NWRI IAP.
- Serve as the primary liaison with the SAWPA Emerging Constituents Workgroups.
- Participate in the optimization process for GWRS to improve treatment efficiency and product water quality.

- Assist Research and Development Department with oversight and direction of the District's post-doctoral fellow/associate researcher program.
- Coordinate with regulatory agencies and other water agencies regarding monitoring requirements for CECs.
- Provide consultation to other OCWD groups (e.g., Public Affairs), MWDOC, and the groundwater producers on water quality, health, and regulatory issues affecting District projects or programs.
- Assist in the review and development of legislation and regulation regarding water quality requirements and recycled water.
- Assist Public Affairs staff with the development and review of technical information to be included in District brochures and the enhanced hallway panels, kiosks, and displays.
- Assist Public Affairs staff with hosting and educating visitors from water agencies, regulatory agencies, and other governmental entities.

III Non-Core Activities

Non-core activities (secondary priority compared to core activities) conducted by the Regulatory Affairs include:

- Serve on WateReuse CA Board, WateReuse CA Potable Reuse Permitting and Compliance Committee, WateReuse CA Legislative-Regulatory Committee, and as NWRI Treasurer.
- Participate in Expert Panels for NWRI regarding water recycling and reuse projects planned by other agencies.
- Serve on Project Advisory Committees (PACs) for Water Research Foundation (WRF) projects and coordinate the service of other staff on such PACs.
- Provide presentations to outside groups regarding water quality, health, and regulatory issues.
- Assist other water agencies in addressing water quality issues related to groundwater recharge with recycled water.

IV Group Goals for FY 2025-26

- PFAS – Continued support of PFAS Treatment System Program with Producers, including regulatory permitting support, compliance monitoring, expanded laboratory testing capacity, implementation of new federal EPA PFAS MCLs, and litigation support. Also, coordinate with UC Irvine research team leading federal Centers for Disease Control (CDC) funded PFAS retrospective epidemiological study being conducted in select Orange County communities.
- GWRS Annual Report – Manage the preparation of the annual report to regulatory agencies on the 2024 calendar year performance of GWRS and results from the testing required by the permit.

- Santa Ana River Monitoring – Manage the water quality sampling and analysis for the SAR in follow up to the SARWQH Study and the 2018 recommendations of NWRI's SARMON Panel and prepare the next SAR Water Quality Report. Additionally, work with Planning department to determine what SAR data shall be submitted for the 2030 California Integrated Report (call for data anticipated Spring 2026).
- Enhanced GWRS Source Control – Continue to coordinate with OC San on the use of revised Response Plan to prevent contaminants from adversely affecting GWRS as a part of OC San's commitment to enhanced source control efforts, including updating Response Plan to explicitly incorporate Plant 2 sewer shed. Work with Water Production to assess impacts of higher salinity GWRS influent/source water on operations and coordinate with OC San and City of Newport Beach to determine feasibility of mitigation options within Plant 2 sewer shed/collection system.
- North Basin Remedial Investigation/Feasibility Study – Provide technical support and guidance regarding regulatory alternatives for cleanup and reuse of contaminated groundwater.
- South Basin Remedial Investigation/Feasibility Study – Provide technical support and guidance regarding regulatory alternatives for cleanup and reuse of contaminated groundwater.
- Water Quality & Laboratory Groups – Since desired monitoring tends to exceed resources in Water Quality and Laboratory Groups, programs and projects must be continuously evaluated and prioritized.
- R&D for District Critical Needs – Coordinate the Research and Development Department efforts with the most critical research needs for the District, including PFAS treatment, recharge enhancement, MF/RO optimization, online RO monitoring systems for enhanced LRV credit, UV-AOP optimization, implementation of project-site-specific underground retention study that may support enhanced underground retention virus credit, and microbial characterization of SAR recharge waters.
- GWRS Regulatory Compliance – Complete the GWRS permit-required Climate Change Action Plan. CCAP must be submitted to the RWQCB by December 2025 and must consider all components of the GWRS AWPF as well as the GWRS injection wells, spreading basins, and compliance monitoring wells. Also, respond to DDW comments and finalize the tracer test reports for both Talbert Barrier and Mid-Basin Injection.
- Green Acres Project – In cooperation with the Engineering Department, implement Cross Connection Control Policy Handbook, along with relevant county-wide standardized procedures, for receiving required OCHCA and DDW approval of new end-users and/or for required regular site inspections for established use sites.

V Pending Activities

Major activities that are not being implemented include:

- Meeting of the SARMON IAP.
- Developing an annual water quality report card on the groundwater basin.
- Developing a more comprehensive water quality testing program to ensure adequate data for assessment of emerging contaminants, threats to producer wells, and seawater intrusion.

VI Staff Addition Needed for FY 2025-26

None

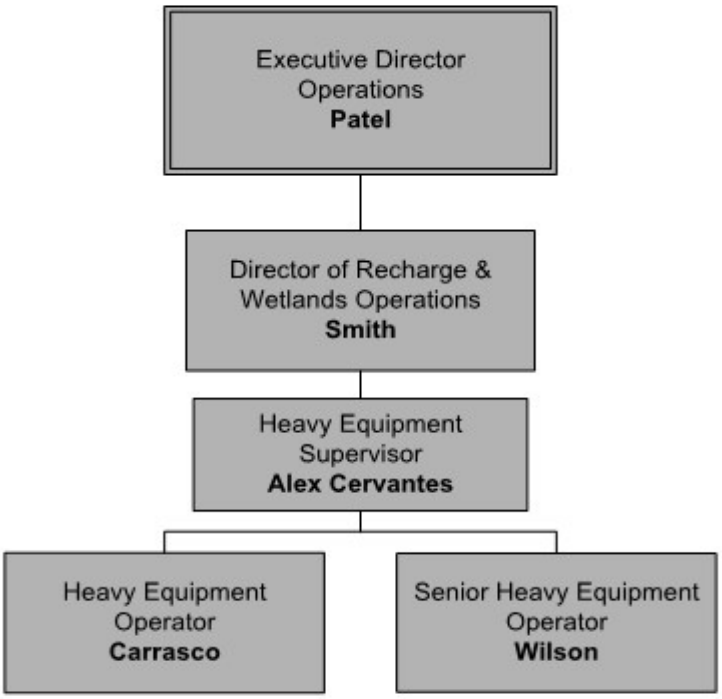
VII Future Issues

In the next one to three years, the District will need to consider the following:

- PFAS: continuous permitting of Producer treatment systems; occurrence within the Basin and SAR watershed; increased testing demand on laboratory. Compliance with new federal and state enforceable drinking water regulations.
- Assessment and permitting of additional locations for GWRS water recharge or injection for additional operational flexibility, including completion of tracer test protocols and plans for each new recharge location. This includes the proposed Anaheim OC River Walk project which will require an NPDES permit from the Santa Ana Regional Board. More stringent water quality regulations may apply to NPDES discharges including aquatic toxicity standards and narrower allowable pH standards.
- Evaluation of new technologies to enhance treatment in the GWRS and to improve energy efficiency and reduce chemical costs, specifically targeting enhanced recovery from the reverse osmosis process and/or concentrate treatment, accompanied by gaining regulatory acceptance.
- New and more stringent drinking water standards for contaminants such as PFAS, nitrosamines, 1,4-dioxane, perchlorate, manganese, arsenic, and disinfection by-products of new concern.
- Statewide requirement for testing and reporting of microplastics in drinking water.
- Enhanced monitoring and possible treatment requirements for the discharge of GWRS RO concentrate on the OC San outfall.
- Expanded source water assessment obligations that could include the entire SAR watershed and all potential contaminating activities in the watershed.
- Reassessing the feasibility, both technical and regulatory, of recycling segregated SARI Line/IEBL sewage flow from OC San Plant No.2; may be advisable should additional GWRS production be desired.

- Preparing an updated Five-Year Title 22 Engineering Report for the GWRS (due 2027).
- Preparing the Report of Waste Discharge (ROWD) for the SAR Emergency Discharge Permit which is due to the RWQCB in October 2026. Prior to submittal of the ROWD, the District may wish to engage with key stakeholders including OC San to confirm the need for this permit.

WETLANDS OPERATIONS



Summary Information

Existing Staff – 2 FTEs

1 – Senior Heavy Equipment Operator
1 – Heavy Equipment Operator

Mission

- Operate and maintain Prado Wetlands to provide natural water quality treatment of Santa Ana River flows behind Prado Dam.
- Provide operational oversight and maintenance of District property within the Prado Basin.
- Provide logistical and operational support for research activities.
- Provide operational support for the Natural Resources division.
- Coordinate operations with tenant recreational use.

Key Issues for FY 2025-26

- Implement an operational strategy to maintain optimal wetlands nitrate, and other constituents, removal.
- Provide logistical support for OCWD collaborative research projects.
- Continue to implement improvements to ponds, conveyance channels, and SAR levee infrastructure.
- Continue to support habitat sites and Natural Resource activities.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	258,829	310,401	327,619
Services and Supplies	201,051	229,000	252,100
Total	**$459,880**	**$539,401**	**$579,719**

I FY 2025-26 Major New Initiatives/Programs

- Adjust operational strategy by de-watering designated ponds to maintain optimal treatment retention time and vegetation.
- Provide logistical support for OCWD collaborative research projects.
- Removal of sediment/sand at River Road.
- Evaluate optimal usage and maintenance effort of constructed wetlands.

II Core Activities

The Wetland Operations group is primarily responsible for the management and operation of the wetland facilities that provide natural water quality treatment of SAR flows behind Prado Dam. This group supports the Natural Resources group by providing support for habitat creation and maintenance and access for biological observations. Operational oversight and maintenance of OCWD property within the Prado Basin also lies within this group.

Core activities include:

- Provide natural water treatment of SAR flows through constructed wetlands in the Prado Basin.
- Evaluation of water quality parameters to optimize wetland operations for maximum nitrate, and other constituents, removal.
- Maintenance of the levees, roads, and conveyance piping within the wetlands and Prado basin.
- Reconstruction of earthen structures and conveyances following storm events to ensure river flows through wetlands.
- Support of District habitat sites and Natural Resources activities.

III Non-Core Activities

Non-core activities conducted by the Wetlands Operations group include:

- Oversight and operational support of wetlands research projects.
- Collection and analysis of pond water quality data.
- Support the District's education and outreach programs by providing tours of the wetland system.
- Support for volunteer functions, such as open houses and group tours.

IV Group Goals for FY 2025-26

Implement Operational Strategy for Optimal Water Treatment Retention Times:

- Adjust pond operations to de-water ponds to reduce system volume, thus maintaining optimal treatment retention time due to reduced SAR baseflow.
- Adjust pond service to aid in vegetation management activities.

Modify Vegetation Management Techniques:

- Use OCWD equipment to mow dry vegetation in de-watered ponds.
- Remove harvested vegetation from operational ponds.

Provide Logistical Support for Collaborative Research Projects:

- Operate and maintain pond infrastructure per design specifications in support of research projects.
- Provide operational support for the groundwater monitoring program.

Improvements to Wetlands Infrastructure:

- Grade and repair levees and roads.
- Create new habitat sites in compliance with District permits and Natural Resource direction.

V Pending Activities (Not Being Addressed Due to Insufficient Resources)

Major activities that are not being conducted include:

- Establish SAR streambed gauging station at River Road Bridge.

VI Staff Addition Needed for FY 2025-26

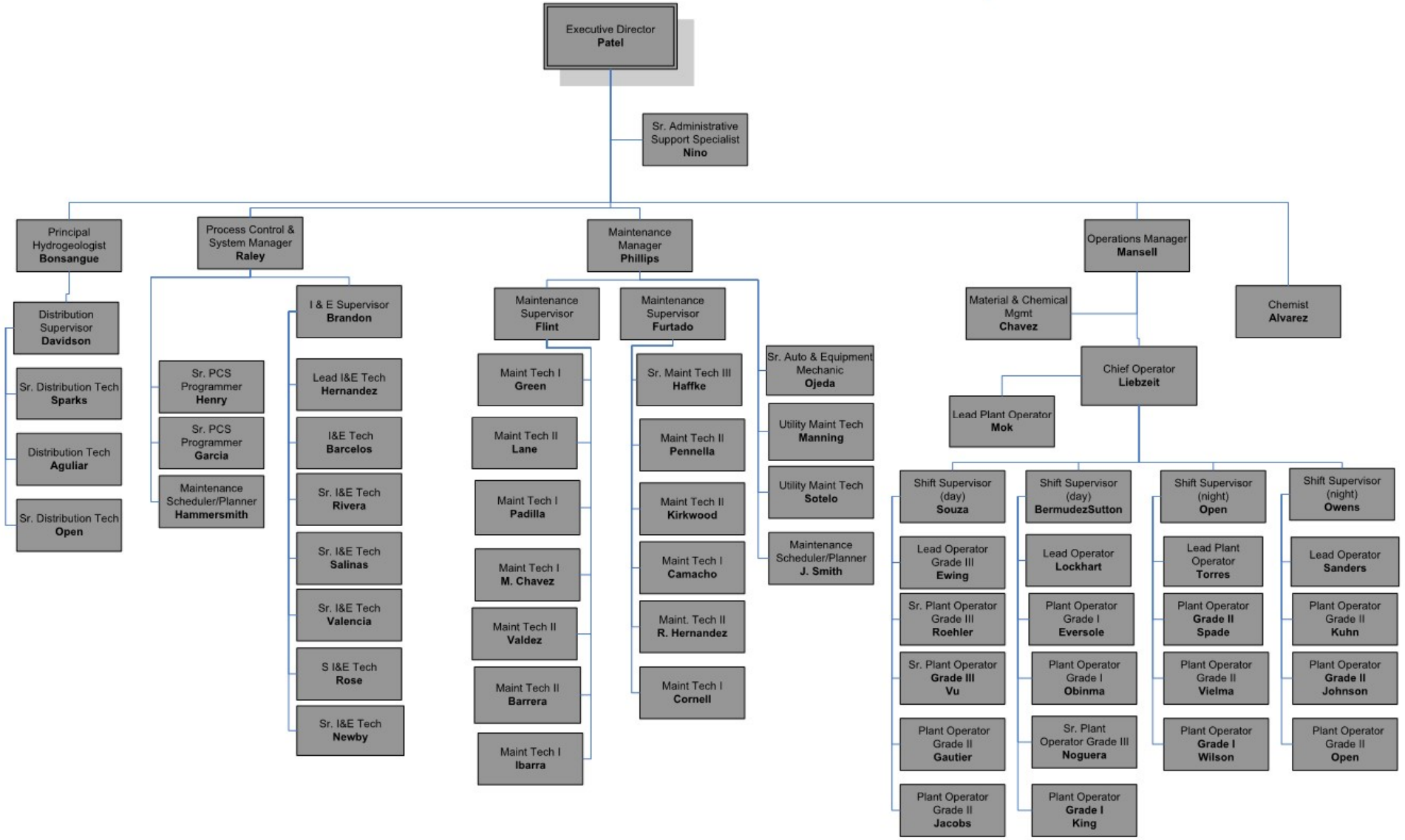
None

VII Future Issues

In the coming years, the District will need to consider the following:

- Continue to replace fleet and equipment to maintain compliance with emissions regulations. The cost of equipment upgrades and replacements is substantial. R&R fund reserves have therefore been identified and set aside to accommodate this long-term compliance program. Replacement of diversion channel control structure.
- Participate as directed by the Natural Resource Department in activities for the former Prado shooting range areas.

WATER PRODUCTION/GROUNDWATER REPLENISHMENT SYSTEM



Summary Information

Existing Staff – 66 FTEs

1 – Executive Director of Operations
1 – Senior Administrative Support Specialist
7 – Supervisors (Operations Manager, Process Control & System Manager, Maintenance Manager, I&E Supervisor, 2 Maintenance Supervisor, and Distribution Supervisor)
4 – Shift Supervisors
1 – Chief Operator
19 – Operators
13 – Maintenance Technicians
1 – Senior Auto & Equipment Mechanic
2 – Utility Maintenance Technicians
2 – Maintenance Schedulers/Planners
1 – Material and Chemical Management Technician
7 – Instrumentation & Electrical Technicians
2 – Senior Process Control System Programmers
1 – Chemist
2 – Senior Distribution Technicians
1 – Distribution Technician
1 – Principal Hydrogeologist

Mission

Operations and maintenance (O&M) of the GWRS Advanced Water Purification Facility (AWPF), Mid Basin Injection, Talbert Barrier, and Green Acres (GAP).

Key Issues for FY 2025-26

- Maximize operation of GWRS processes:
  - Continue to work with the Orange County Sanitation District to make as much water as possible for GWRS production. This includes maximizing water quantity and quality of flow from Plant No. 2.
  - Goal for 2025-26 production is 128,000-acre-feet of water.
  - Send all non-barrier production to Centennial Mid Basin Injection Wells, Canyon Power, Arctic, La Palma, Miraloma, and Kraemer/Miller basins.
  - Continue to control or reduce the water treatment unit cost by obtaining the best possible price on electricity and chemicals and spreading the system's fixed costs over the maximum possible production.

- Reduce GWRS processing costs:
  - Continue optimization of MF backwash and cleaning regimes. This includes optimizing maintenance wash processes for the new PVDF membranes installed as part of the GWRS Final Expansion.
  - Optimization of RO cleaning regimes by improving cleaning of chemical concentrations and cleaning intervals.
  - Optimization of RO pretreatment chemical program, which includes the use of acid and antiscalant to reduce cost and prevent mineral scaling of membranes in the 3rd stage of RO units. This includes optimizing dose of the existing or a new antiscalant formulation that is compatible with the new water quality expected by the GWRS Final Expansion (GWRSFE) with the use of OC San Plant No. 2 trickling filter/solids contact flows.
  - Optimize the use of the new RO energy recovery device upsized motors with new GWRSFE water quality in six RO units to reduce energy cost and/or balance flux performance.
  - Optimize the use of new inter-stage booster pumps on 15 Train A-E RO units as well as six new RO units in Trains H-I to maximize energy efficiency with the new GWRSFE water quality.
  - Continue to optimize usage of new antiscalant products to help control mineral scaling at pH 6.9 and achieve the lowest possible chemical cost. At the same time, continue to engage manufacturers to develop and evaluate antiscalant formulations that would be successful with future poorer water quality associated with the GWRS Final Expansion.
  - Work with purchasing to find and procure the best chemical pricing.
  - Reduce energy use and continue participation in demand response programs that offset the cost of electricity.
  - See renewal of direct access energy contract to achieve lowest possible electricity pricing.
  - Lifespan extension of both MF and RO membranes including new PVDF MF membranes all being operated under a new level of water quality associated with the GWRSFE.
  - Continue efforts to maximize UV lamp life to 12,000 hours.
- Manage GWRS assets by:
  - Continue to implement a robust preventative maintenance program using the Maximo computerized maintenance management system (CMMS).
  - Staff continues to update GWRS work plans in the CMMS to reflect knowledge gained with over 15 years of experience operating the

treatment plant. This includes the new assets installed as part of the GWRSFE.

- Continue to develop staff capabilities to make both minor and major mechanical and electrical repairs on equipment and facilities. These internal capabilities assure a fast response, quality repairs and lower cost.
- Conduct facility-wide electrical infrastructure preventative maintenance activities, including integration of new electrical equipment supplied as part of the GWRSFE.
- Continue yearly removal and rehabilitation of large horsepower vertical turbine pumps in the GWRS AWPF.
- Develop and implement yearly replacement and rehabilitation of electrical equipment that are no longer supported or for which identical replacements are no longer manufactured.
- Increase injection well capacity by implementing replacement of pumps and down-hole control valves to non-functional injection wells number 24 and 25.
- Develop a multi-year injection well rehabilitation budget and program to maintain performance.
- Protection of injection wells by delivery of low particle water.
- Continue to optimize performance, operation costs, and backwash frequency of four new Centennial Park MBI wells.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	11,704,307	12,226,725	12,683,151
Services and Supplies	41,491,339	47,079,120	46,428,920
Total	**$53,195,646**	**$59,305,845**	**$59,112,071**

I FY 2025-26 Major New Initiatives/Programs

- Continue to monitor changes in the MF membrane backwash and cleaning intervals to increase process efficiency and production, especially with new GWRSFE water quality.
- Optimize performance of PVDF membranes in new cells installed as part of the GWRSFE.
- Investigate new antiscalant products for use on new water quality resulting from the introduction of OC San Plant 2 flows.
- Develop key performance factors that help identify and predict MF and RO membrane end-of-life conditions under new GWRSFE water quality.
- Continue to optimize the operation of all five Mid-Basin injection wells.

- Assist Engineering with further GWRS pipeline corrosion assessments and possible further epoxy lining projects.
- Repair deteriorating or leaking one-inch blow-off piping at key locations along the GWRS pipeline.
- Rehabilitate and re-design down hole well valve technology for I-24 and I-25.
- Install replacement of key medium voltage relays and breakers no longer supported by manufacturers.

II Core Activities

- O&M of the 130 mgd GWRS AWPF.
- O&M of the 102 wells that make up the Talbert Injection Barrier well system.
- O&M of Mid Basin Injection Demonstration well.
- O&M of four new Centennial Park Mid Basin Injection wells.
- O&M of EW-1 well.
- O&M of the GAP treatment plant and distribution pipeline system.
- Work with Research and Development on engineering and research aimed at maintaining and optimizing treatment plant performance, production, and the Talbert Barrier.
- Administer the joint OCWD & OC San GWRS Steering Committee meetings.
- Continue to optimize I&E assets at FHQ maintained by Water Production.
- Facilitate monthly OCWD and OC San Joint Operation Committee meetings.

III Non-Core Activities

- Participate in technology transfer on advanced treatment with other water districts, consultants, public agencies, and industry organizations.
- Provide in-kind support as specified by OCWD for participating in the Water Reuse Research Foundation and Water Research Foundation research projects.
- Provide technical support on various wellhead treatment systems throughout Santa Ana Watershed.
- Provide technical support as needed to the Water Quality, Engineering, Hydrogeology, Public Relations, and Health & Regulatory Departments.
- Provide facility maintenance support for OCWD's Fountain Valley facilities.
- Provide support to set up meetings and events.
- Provide instrumentation and electrical support to OCWD's Recharge and Prado operations.

- Provide data collection and support for the Research and Development Department.
- Assist with GWRS tours for the Public Affairs Department as necessary.
- Provide any required GWRS technical and operational information for outside data requests.
- Provide support to the general manager as needed for technology improvement meetings with Bookey Oren Global Water Technologies.

IV Group Goals for FY 2025-26

GWRS:

- Produce up to 128,000-acre-feet of water for recharge and injection.
- Continue efforts to control net production cost to less than $1,000 per acre-foot.
- Continue development of the CMMS for the GWRS and update maintenance requirements for existing and new equipment.
- Continue development of databases to help staff monitor the individual process performance of the MF, RO, and UV treatment systems.

OC San:

- Continue with joint operation meetings with OC San plant operations and source control and OCWD staff to ensure both agencies are knowledgeable of issues with each other's operations. This includes added coordination with the use of Plant No. 2 flows for GWRS.
- Support OC San staff as needed in ongoing investigation of seawater intrusion into Plant 2 sewer collection system resulting in higher total dissolved solids to the GWRS.

DDW and the RWQCB:

- Prepare an Annual Report on the GWRS operation with District staff and outside consultant.

Talbert Barrier:

- In conjunction with the barrier, staff continues evaluating the corrosivity and injection well-fouling propensity of the GWRS finished product water.
- Support Engineering for Talbert Barrier hydraulic improvements project.
- Rehabilitate as many legacy wells as possible during the fiscal year using an outside contractor while also developing long-term plans for rehabilitation of the legacy injection well system to maximize barrier injection flows.
- Complete construction of repairs and rehabilitation to non-functional injection wells I-24 and I-25.

V Pending Activities

Continue to train staff to effectively operate and maintain the GWRS and determine preventative maintenance needs for the GWRS Final Expansion facilities. This includes new facilities now located off-site at the OC San Plant No. 2 facility in Huntington Beach, California.

VI Staff Addition Needed for FY 2025-26

Assess possible staffing increases required by the GWRSFE as well as for dealing with new cyber-security and programming requirements for both the GWRS and recharge system SCADA platforms.

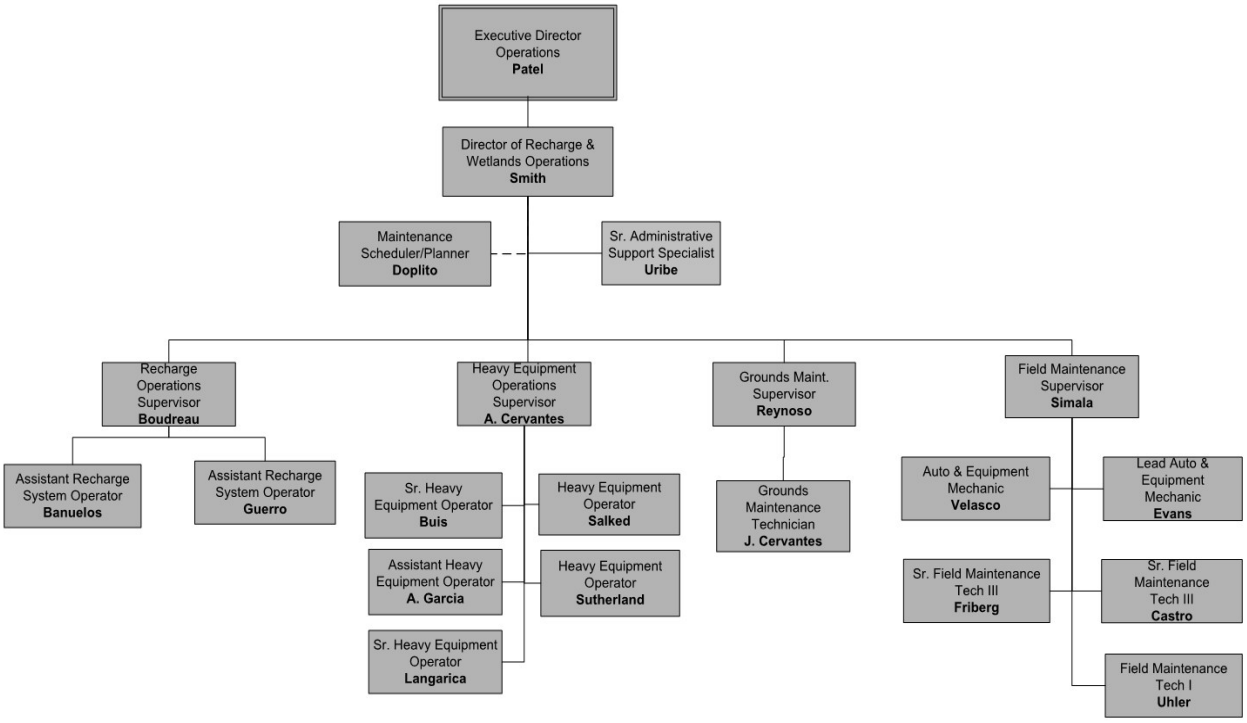
VII Future Issues

In the next two years, issues the District will need to consider include:

- Optimization of the GWRS AWPF treatment process to determine new operational costs associated with the change in water quality from the GWRSFE.
- Continue to optimize MF and RO membrane replacement strategies, including new metrics based upon expected poorer water quality associated with the GWRSFE.
- Process optimization and adjustment of preventative maintenance requirements as necessary.
- Continue forward-looking review of water treatment technologies and opportunities to optimize the current GWRS membrane and advanced oxidation treatment processes.
- Continue to monitor energy issues to ensure the lowest possible power expenditures for the GWRS.
- Support the operation and maintenance of the District's four new Centennial Park Mid-Basin Injection wells.
- Support construction of the Talbert Barrier hydraulic improvements.

  Support and plan for future Talbert Barrier pipeline corrosion assessment and correction project.
- Plan for future evaluation and possible structural upgrades to the GAP Santa Ana Reservoir facility.
- Plan for future GWRS pipeline internal inspection and possible additional epoxy lining efforts.

RECHARGE OPERATIONS



Summary Information

Existing Staff – 20 FTEs

1 – Director of Recharge & Wetlands Operations
1 – Recharge Operations Supervisor
1 – Field Maintenance Supervisor
1 – Grounds Maintenance Supervisor
1 – Heavy Equipment Operations Supervisor
1 – Senior Administrative Support Specialist
1 – Maintenance Scheduler/Planner
2 – Assistant Recharge System Operators
1 – Assistant Heavy Equipment Operator
2 – Heavy Equipment Operators
2 – Senior Heavy Equipment Operators
1 – Grounds Maintenance Technician
1 – Lead Auto & Equipment Mechanic
1 – Auto & Equipment Mechanic
2 – Senior Field Maintenance Technicians III
1 – Field Maintenance Technician I

Mission

Replenishment of the groundwater basin by operating and maintaining recharge basins and associated infrastructure, surface water conveyance system, storage, and recharge facilities, managing the conservation pool behind Prado Dam, and managing on-road and off-road equipment fleets.

Key Issues for FY 2025-26

- Continue to replace aging infrastructure and instrumentation.
- Continue fleet equipment replacement programs to maintain compliance with the CARB, SCAQMD, and other regulatory schedules.
- Develop plans for implementation of zero-emission vehicles and support infrastructure.
- Manage vegetation in a manner that accommodates both the seasonal habitat needs of nesting birds and the use of the land for groundwater recharge.
- Continue to upgrade PLC/SCADA hardware, software, and cyber security.
- Continue repairs and upgrades to infrastructure, instrumentation, and equipment.

Account Information	FY 2023-24 Actual	FY 2024-25 Budget	FY 2025-26 Proposed Budget
Salaries and Benefits	3,049,524	3,270,183	3,487,979
Services and Supplies	3,320,252	2,093,700	2,337,500
Total	**$6,369,776**	**$5,363,883**	**$5,825,479**

I FY 2025-26 Major New Initiatives/Programs

- Continue to adapt operations to allow for the recharge of an additional 36,000 AFY of GWRS produced water from the Final Expansion.
- Collaborate with the Water Production Department to improve data acquisition and retrieval at diversion points and other critical facility infrastructure.
- Collaborate with the Engineering Department to develop District standards for installation and replacement of infrastructure.
- Collaborate with the Planning, Research & Development, and Hydrogeology departments to optimize recharge operations.
- Replace and maintain infrastructure such as pavements, heavy equipment, fuel storage facilities, and pumps.
- Improve and repair site security features such as fences, automated gates, and camera surveillance.
- Replace aging fleet vehicles due to obsolescence or regulatory compliance.

II Core Activities

The Recharge Operations group is responsible for replenishing the groundwater basin by operating and maintaining the surface water conveyance system, storage, and recharge facilities, and managing the conservation pool behind Prado Dam.

III Non-Core Activities

- Support the District's education and outreach program by providing tours and presentations of the recharge system.
- Provide data and information to outside agencies and organizations.
- Support selected research and development efforts aimed at improving recharge efficiency and capacity.

IV Group Goals for FY 2025-26

- Develop strategies for the capture of local inflow with Prado storage levels at 508 ft.
- Continue to replace aging infrastructure and instrumentation.
- Continue to maintain compliance with the emission regulatory schedule through fleet and equipment replacement programs.
- Coordinate with Engineering staff to establish District standards for installation and replacement of infrastructure.
- Manage vegetation in a manner that accommodates both the seasonal habitat needs of nesting birds and the use of the land for groundwater recharge.

V Pending Activities

- Implementation of infrastructure repair and replacement projects.
- Implementation of zero-emission vehicle support infrastructure.

VI Staff Addition Needed for FY 2025-26

- An Instrumentation and Electrical Technician dedicated to Recharge Operations would greatly enhance the capture and storage of water supplies. The Water Production I&E group supports Recharge Operations on a limited basis. The SCADA system used for the surface recharge system is a different platform than the Water Production system and thus requires a specialized skill set. Additionally, the types of instrumentation used for Recharge Operations are different and require troubleshooting by personnel that is familiar with both the instruments and the SCADA system. When instrumentation requires troubleshooting, it is critical that staff can get it back into service rapidly because stormwater capture is at risk of being lost. There is enough ongoing and deferred work in Recharge Operations to support the addition of a full-time I&E Technician.

VII Future Issues

- Continue to replace fleet and equipment to maintain compliance with emissions regulations. The cost of equipment upgrades and replacements is substantial. R&R fund reserves have therefore been identified and set aside to accommodate this long-term compliance program.

- Develop and execute a plan for R&R funded infrastructure projects.
- Continue upgrades & repairs of flow and water level instrumentation, including staff to support the systems.
- Remove islands and peninsulas in Anaheim Lake to increase storage capacity. Add sand and re-grade basin bottom for improved recharge.
- Relocate the 48” magnetic flowmeter at Kraemer Basin. The current meter location does not allow accurate measurement of the flow or maintenance of the instrument.
- Install transfer pipe with valve between golf concession and Burris Basin to prevent golf lagoon de-watering at low water levels in Burris.
- Install lower elevation transfer pipes leading to Warner Basin to allow rapid fill and dewater operations in response to stormwater capture opportunities.
- Import sand into the SAR channel between the Imperial Headgates and Ball Road to reduce armoring and maintain percolation.
- Replace 48” valves at Anaheim Lake and house them inside a vault.

Section 4
Debt Service Fund

DEBT SERVICE

The District often uses debt to fund capital projects approved by the Board. The purpose of the Debt Service is to budget and set aside monies necessary to make principal and interest payments on the District's debt.

Total gross debt service payments and administration costs are budgeted at $44.5 million for FY 2025-26 as shown in Table 1. The District will utilize $44.5 million from Replenishment Assessment revenues and property tax revenues. This amount also reflects estimated revenues and payments related to the District's swap transactions. The components of the budgeted debt service payments are as follows:

- $19.5 million for fixed-rate debt.
- $4.5 million for net swap payments and variable rate debt.
- $4.6 million for commercial paper debt.
- $15.0 million for low-interest State Loans.
- $0.9 million for debt administration.

In November 2002, the Board approved a comprehensive long-term debt program with a number of goals including:

- To provide funding for the GWR System and other capital projects.
- To provide the lowest cost of funds.
- Take advantage of low interest rates and the District's variable rate debt capacity.
- Provide the lowest predictable RA.

In FY 2007-08 the Board adopted an updated Plan of Finance, which provided for the repayment of some of the District's highest cost fixed rate debt using low-interest state loan reimbursement monies and for the execution of two interest rate swap transactions. The overall impact on the District's debt structure was to lower the District's overall cost of debt outstanding; reduce the District's variable rate exposure using an interest rate swap, and reduce the duration of the existing debt outstanding by approximately two years.

The District's policy of using long-term debt to fund capital projects was established in October 2000 and calls for the following:

- Preliminary project expenses related to direct research are to be paid from the General Fund and cannot be financed with long-term debt.
- Project expenses for items such as feasibility reports, pilot studies, engineer reports, compliance with CEQA, project design, and construction may be capitalized and funded with long-term debt.
- Project expenses that are capitalized and funded with long-term debt and do not lead to the construction of a project will require an adjustment by the Accounting Department to pay off the long-term debt incurred using cash reserves.

TABLE 1
DEBT SERVICE BUDGET
FY 2025-26

	Principal Payments	Interest Payments	Debt Administration Cost	Total	Outstanding Debt Balance as of June 30, 2026
Certificates of Participation/Refunding Revenue Bonds/Short-Term Notes					
2003A COP Variable Rate	$ -	$ 4,868,063 (1)	$ -	$ 4,868,063	$ 129,815,000
2017A Refunding Revenue Bond Fixed Rate	510,000	3,828,425	-	4,338,425	85,885,000
2017B Refunding Revenue Bond Fixed Rate	-	675,418	-	675,418	16,855,000
2019B Revenue COP Fixed Rate	170,000	279,850	-	449,850	5,605,000
2019C Refunding Revenue Bonds Fixed Rate	5,375,000	3,528,975	-	8,903,975	65,665,000
2019D Refunding Revenue Bonds Fixed Rate	3,730,000	1,407,683	-	5,137,683	48,320,000
Subtotal	$ 9,785,000	$ 14,588,414	$ -	$ 24,373,414	$ 352,145,000
WIFIA Loan					
WIFIA GWRSFE - Loan N17116CA	$ -	$ -	$ -	$ -	$136,656,970
WIFIA PFAS - Loan N20116CA	$ -	$ -	$ -	$ -	$96,976,314
SWAPS - $82.55 Million					
OCWD Payments - fixed at 3.314%	$ -	$ 2,735,707	$ -	$ 2,735,707	
OCWD Revenues - .56 SOFR plus .23% - Estimates		(3,095,622) (2)	-	(3,095,622)	
State Loans					
GWR System C-06-4462-120	$ 201,783	$ 3,978	$ -	$ 205,761	$ -
GWR System C-06-4462-130	178,300	3,413	-	181,713	-
GWR System C-06-4462-140	274,296	5,224	-	279,521	-
GWR System C-06-4462-150	6,483,046	357,028	-	6,840,074	13,318,866
GWR System C-06-4462-160	215,682	4,098	-	219,780	-
Fletcher Basin C-06-7867-110	142,815	32,852	-	175,667	1,586,228
La Palma Basin C-06-8101-110	169,732	41,536	-	211,268	3,983,868
Mid Basin C-06-8252-110	511,473	287,473	-	798,946	15,459,233
Alamitos Barrier Improvement C-06-7868-110	670,963	202,284	-	873,247	9,975,569
GWRSFE 1 - SRF Loan	1,673,835	831,197	-	2,505,032	57,697,407
GWRSFE 2 - SRF loan	1,787,729	887,755	-	2,675,484	61,623,344
Subtotal	$ 12,309,653	$ 2,656,839	$ -	$ 14,966,493	$ 163,644,515
Commercial Paper					
Tax-Exempt	$ 4,500,000 (4)	$ 168,750 (3)	$ -	$ 4,668,750	$ -
Debt Administration	$ -	$ -	$ 858,394	$ 858,394	
TOTAL EXPENDITURES	$ 26,594,653	$ 17,054,088	$ 858,394	$ 44,507,135	$ 749,422,800

(1) Assumes 3.75% interest rate.
(2) Assumes .56 x SOFR plus .23% = 3.75%
(3) Assumes 3.75% for tax-exempt.
(4) Tax Exempt Principal of $4.5 million will be paid using RA revenue.

Debt Administration Fees
FY 2025-26

	Fee		Annual Amount
1	Letter of Credit Commercial Paper Fee with Sumitomo Mitsui Banking Corp.	$76.3 M x 0.32%	$244,200
2	Quarterly 2003A Remarketing Fee - Morgan Stanley	$129.8 M x 0.035%	$45,500
3	2003A Bank of America Letter of Credit	$131.9 M x 0.29%	$382,600
4	Commercial Paper Remarketing JPM	$4.5 M x .0325%	$1,500
4	Annual Rating Agency Fees: Fitch, Moody's and Standard & Poor's		$69,500
5	Bond Counsel/Financial Advisor/Arbitrage Service		$50,000
6	US Bank Trust Commercial Paper Draw Fees and Quarterly Certificate Fees		$10,000
7	U.S. Bank COP Trust Fees		$25,094
8	WIFIA Fee (2 Loans)		$30,000
	Total		$858,394

Section 5
Other Post Employment Benefits

OTHER POST EMPLOYMENT BENEFITS

The Government Accounting Standards Board Statement No. 74, *Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*, and GASB 75 - *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*, established accounting and financial reporting requirements for OPEB plan costs and obligations related to retiree healthcare benefits (Other Post Employment Benefits – OPEB). The statements generally require employers to account for and report the annual cost and outstanding obligations and commitments for these benefits. The GASB standards require that the long-term cost of retiree health care be determined and accrued on an actuarial basis. The results of the valuations are disclosed in the District's financial statements.

The GASB standards required a new actuarial study, which the District received in August 2024, with a measurement date as of June 30, 2023. The actuarial study determined the District's net OPEB liability and the new actuarially determined contributions (ADC) to provide the retiree medical benefit. Per the actuarial study measured as of June 30, 2023, the Board has directed funding for this liability to our PARS trust.

Annual OPEB Cost for the budget year 2025-26	$640,000

The District's actual cost to pay medical premiums for retired employees will be paid out of the PARS trust. This annual cost is estimated at $1.02 million.

Section 6
Water Purchase

WATER PURCHASE

The proposed FY 2025-26 water budget is $11.1 million and calls for only purchasing 5,000 acre-feet of Metropolitan Water District (MWD) untreated full-service water for two primary reasons: (1) The groundwater basin is in good condition with high water storage levels that are expected to be even higher in the near future, and (2) Funding that would have been spent to purchase imported water can be diverted to assist in paying for necessary PFAS cost. Any unspent water budget monies will remain in the water reserve.

This water budget will result in the accumulated overdraft, assuming an average hydrological year, to decline (resulting in increasing water storage levels) by approximately 20,000 acre-feet.

The groundwater basin accumulated overdraft is projected to be approximately 113,000 acre-feet on June 30, 2025. The overdraft is 62,000 acre-feet under the District's recommended target accumulated overdraft of 175,000 acre-feet (Average of 200,000 acre-feet to 150,000 acre-feet recommended range). The general maximum desired balance in the water reserve fund is to have sufficient funding available to purchase 50% of the water needed from MWD to refill the groundwater basin to the 175,000-acre-foot target. Given the anticipated June 30, 2025 overdraft, no reserve funds are needed.

Estimated June 30, 2025 Accumulated Overdraft		113,000 af
OCWD Target Accumulated Overdraft Range (150,000 to 200,000 af)		175,000 af
	Difference over/(under)	(62,000) af
	50% of Difference	0.0 af
2025-26 Average MWD untreated full-service rate including $143 per acre-feet for RTS and Capacity Charge ($948 + $143)		$1,091/af
Necessary water fund balance to purchase 0.0 af of water ($1,091/af x 0.0 af)		$0.00 million
Estimated June 30, 2025 Water Reserve Fund Balance		$7.7 Million

The accompanying table provides a detailed summary of the Water Purchase Budget for FY 2025-26. MWD's rates are assumed to increase on January 1, 2026, as shown. For budgeting purposes, the cost per acre-foot for MWD water is an average of the existing and expected calendar year 2025 rates. The specific water purchase items in the table include:

1. The District anticipates purchasing approximately 3,000 acre-feet of water from the City of Long Beach for injection into the Alamitos Barrier. The cost of this water is $5/acre-foot above the cost of MWD Tier I water plus the Readiness-To-Serve and Capacity Charge paid by the City of Long Beach to MWD. The total cost for this water is $1,615.00/af.
2. The District is budgeting 5,000 acre-feet of untreated full service non-interruptible MWD water for recharge at the District's field headquarters in the City of Anaheim.
3. MWDOC Groundwater Charge – MWDOC charges the District a fee to fund its staff time and other expenses incurred to support OCWD's programs and purchases of imported water. The fee is currently estimated at $400,000.
4. The District incurs a Capacity Charge fee on any purchase of MWD non-interruptible water supplies (i.e., OC-44 connection supplies or untreated non-interruptible water). The Capacity Charge is administered by MWDOC and is now billed monthly to the District as a flat fee. The Capacity Charge for FY 2025-26 will be approximately $10,000.
5. The District also incurs a Readiness-To-Serve charge on any purchase of MWD treated non-interruptible water supplies (i.e., OC-44 connection supplies or untreated non-interruptible water). The fee is expected to be approximately $1,100,000 in FY 2025-26.

The total Water Purchase budget expense for FY 2025-26 is $11.1 million.

Fiscal Year 2025-26 Budget for Water Purchase
(July 1, 2025 to June 30, 2026)

Item #		Volume (AF)	2025-26 Unit Cost $/af (1)	MWDOC Surcharge $/af	Total Cost Amount
1	Alamitos Barrier Injection water from Long Beach Water Department (2)	3,000	1,615.00	n/a	$4,845,000
2	Untreated Non-interruptible MWD Water (3)	5,000	948.00	n/a	$4,740,000
	Sub-total	**8,000**			**$9,585,000**
3	MWDOC Groundwater Charge				$400,000
4	MWD/MWDOC Capacity Charge (4)				$10,000
5	Readiness-to-serve charge is based upon an 4-year average of previous purchases (5)				$1,100,000
	Total	**8,000**			**$11,095,000**

NOTES

(1) Average of 2025 and 2026 rates
(2) Treated Non-interruptible rate assumed to increase from $1,395/af to $1,528/af: Average is $1,461.50/af
Unit cost includes $5/af City of Long Beach fee plus $135.30/af RTS and $13.20/af Capacity Charge paid by Long Beach to MWD
(3) Untreated non-interruptible rate assumed to increase from $912/af to $984/af: Average is $948.00/af
(4) MWD/MWDOC Capacity Charge is billed monthly by MWDOC as a flat fee
(5) Readiness-to-serve (RTS) charge is calculated and provided by MWDOC

Section 7
Basin Equity Assessment

BASIN EQUITY ASSESSMENT (BEA) BUDGET

The objective of the BEA program, as authorized by Section 31.5 of the Orange County Water District Act, is to make possible more effective management of the groundwater basin and to equalize water costs within the District.

BEA collections for FY 2025-26 are estimated at $2,750,000, which applies to pumping in excess of the basin production percentage (BPP). The District sets the BEA based on the price of the Metropolitan Water District's water.

BEA revenue is used to offset the cost of MWD water purchases. Predicting BEA revenue is difficult as it is determined by: (1) groundwater producers who decide to pump above the BPP; (2) groundwater producers participating in water quality projects that receive partial BEA exemptions for pumping above the BPP; and (3) smaller private party pumping.

BEA revenues expected for pumping above the BPP	$2,750,000

Section 8
Capital Improvement Program

Debt and PAYGO Funded Projects

CAPITAL IMPROVEMENT PROGRAM

The fiscal year (FY) 2025-26 Capital Improvement Program (CIP) is provided on the following pages. The CIP projects are funded by debt proceeds, grants, state loans, and $87.2 million from operating revenues. The assets created by the CIP projects typically have a useful life of between three to seventy years.

The total proposed CIP cost for the FY 2025-26 budget is $87.2 million, and it includes 27 projects. The life span of various CIP projects varies from project to project and it can be three years or longer. The District will fund $68.5 million CIP budget from the operating revenues and grants. This District practice is very useful in keeping the debt service cost to the minimum and maintaining debt service coverage targets.

The CIP is primarily driven by the following objectives: (1) increasing the District's recharge capacity to allow for increased sustainable production out of the groundwater basin; (2) protecting water quality by removing contaminated groundwater from the basin and providing additional wetlands treatment for Santa Ana River flows; and (3) protecting the coastal portion of the groundwater basin.

Budgeting of project expenditures does not authorize staff to proceed with a project. Each budgeted project must be individually reviewed and formally approved by the Board via the preparation of an Engineer's Report. In addition, the Board would need to approve the design and the construction contracts if the project progresses forward.

The expenditures for each project are shown in the fiscal year they are anticipated to occur in. The District has many multi-year projects that require several years to process and construct. Table 8-1 provides a broad summary of the projects in the CIP. A brief description and status of each project are provided on the attached Capital Projects Information sheet.

TABLE 8-1
SUMMARY OF PROJECTS IN THE CAPITAL IMPROVEMENT PROGRAM

PROJECT TYPE	OBJECTIVE
WATER SUPPLY	**PROVIDE FOR INCREASED GROUNDWATER PRODUCTION AND CREATE SUPPLIES WHERE ECONOMICAL AS COMPARED WITH MWD RATES.**
	Construct facilities to increase recharge capacity and percolation rates to allow for increased groundwater pumping.
	Improve existing facilities to increase percolation rates.
	Create a new water supply.
WATER QUALITY	**PROTECT THE QUALITY OF THE GROUNDWATER BASIN SUPPLIES.**
	Protect groundwater in the North Basin by extracting and treating wells threatened by VOC contamination in Anaheim and Fullerton.

COASTAL IMPROVEMENTS	MITIGATE EXISTING AND PROJECTED FUTURE PROBLEMS ALONG THE COAST.
	Construct barrier facilities to prevent seawater intrusion.

The cost of information for operating revenue funded projects is summarized in Table 8-2.

The OCWD staff works closely with the Board of Directors in processing capital projects. Formal Board approval is required at various stages of a project's life, as shown below:

1. Inclusion in OCWD annual budget.
2. Issuance of Request for Proposals for the hiring of consultants for fees greater than $20,000 to assist in processing project documents.
3. Awarding consultant contracts greater than $20,000.
4. Approval of Feasibility Study Report, if so directed by the General Manager.
5. Approval of necessary CEQA documents.
6. Approval of the project Engineer's Report.
7. Approval of any agreements (i.e. grant funding, interagency).
8. Approval of advertising construction contracts.
9. Award of construction contracts.
10. Approval of change orders greater than 5% of the construction budget.
11. Approval of Notice of Completion.

The District historically used long-term debt to fund capital projects. The District policy for using long-term debt was established in October 2000. The policy calls for the following:

- Preliminary project expenses related to direct research are to be paid from the General Fund.
- Project expenses for items such as feasibility reports, pilot studies, engineer reports, compliance with CEQA, and project design and construction may be capitalized and funded with long-term debt.
- Project expenses that are capitalized and funded with long-term debt and do not lead to the construction of a project will require an adjustment by the Accounting Department to pay off the long-term debt incurred using cash reserves.

TABLE 8-2
FISCAL YEAR 2025-26
CAPITAL IMPROVEMENT PROGRAM SUMMARY

				Fiscal Year	Salaries	Benefits	Salaries & Benefits	Pre-design	Design	Construction	Total		
			ACCOUNT NO: COST CODE					*02000*	*03000*	*40010*			
			Grand Total	**2025-26**	**426,652**	**137,810**	**564,462**	**350,000**	**8,980,000**	**77,345,000**	**87,239,462**		
				2026-27	**0**	**0**	**0**	**800,000**	**1,000,000**	**91,500,000**	**93,300,000**		
				2027-28	**0**	**0**	**0**	**500,000**	**0**	**54,958,169**	**55,458,169**		
				2028-29	**0**	**0**	**0**	**0**	**750,000**	**19,000,000**	**19,750,000**		
				2029-30	**0**	**0**	**0**	**0**	**1,500,000**	**5,000,000**	**6,500,000**		
	JDE PROJECT ID NO.	**Project Name**	**Project Description**									**Project Details**	**Dept.**
1	C25001	**FHQ Vehicle Charging Infrastructure**	To comply with CARB requirements, the District's medium and heavy-duty vehicle fleet must transition to zero-emission vehicles. Most these vehicles are housed at FHQ. Electric vehicle charging infrastructure is required to support the vehicles.	2025-26			-	50,000	50,000		100,000	To comply with CARB requirements, the District's medium and heavy-duty vehicle fleet must transition to zero-emission vehicles. Most these vehicles are housed at FHQ. Electric vehicle charging infrastructure is required to support the vehicles.	1060
				2026-27			-			300,000	300,000		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $400K								5-Year Project Total	400,000		
2	C18001	**Former Prado Shooting Range Remediation Project**	Purpose is to remediate lead and other contaminates from two former shooting areas on OCWD Property in Prado Basin. Remediation will consist of processing, consolidation and onsite containment.	2025-26	9,543	3,014	12,558		525,000	200,000	737,558	Remedial Action Plan, environmental permitting and design are in progress. Project is under a voluntary oversight agreement with DTSC. Construction activities anticipated to begin in FY-25-26.	1070
				2026-27			-			1,200,000	1,200,000		
				2027-28			-			800,000	800,000		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $3.53M								5-Year Project Total	2,737,558		
3	C19007	**Fullerton PFAS Treatment Systems**	PFAS Treatment Systems	2025-26			-			1,000,000	1,000,000	Rehabilitate Well Kim 1A and Replace Well Pump and Pump Drive.	1070
				2026-27			-				-		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $5.3M								5-Year Project Total	1,000,000		
4	C19018	**Orange Well 29 PFAS Treatment System**	PFAS Treatment Systems	2025-26			-			3,000,000	3,000,000	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers.	1070
				2026-27			-			3,000,000	3,000,000		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $6M								5-Year Project Total	6,000,000		
5	C19020	**Santa Ana Wells 27 and 28 PFAS Treatment Systems**	PFAS Treatment Systems	2025-26	27,289	7,979	35,269			8,000,000	8,035,269	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers.	1070
				2026-27			-			3,000,000	3,000,000		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $17M								5-Year Project Total	11,035,269		
6	C19021	**Santa Ana Well 31 PFAS Treatment System**	PFAS Treatment Systems	2025-26	27,289	7,979	35,269			3,000,000	3,035,269	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers.	1070
				2026-27			-				-		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $8.5M								5-Year Project Total	3,035,269		

TABLE 8-2
FISCAL YEAR 2025-26
CAPITAL IMPROVEMENT PROGRAM SUMMARY

	ACCOUNT NO: COST CODE			Fiscal Year	Salaries	Benefits	Salaries & Benefits	Pre-design	Design	Construction	Total		
								02000	03000	40010			
7	C19022	**Santa Ana Well 38 PFAS Treatment System** Estimated Total Capital Cost: $7M	PFAS Treatment Systems	2025-26	6,822	1,995	8,817			1,500,000	1,508,817	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers.	1070
				2026-27			-				-		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
										5-Year Project Total	1,508,817		
8	C23002	**Garden Grove Well 19 PFAS Treatment System** Estimated Total Capital Cost: $6.5M	PFAS Treatment Systems	2025-26	38,173	12,057	50,230			4,710,000	4,760,230	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers.	1070
				2026-27			-				-		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
										5-Year Project Total	4,760,230		
9	C23005	**Fullerton Kim 2 PFAS Treatment System** Estimated Total Capital Cost: $11.1M	PFAS Treatment Systems	2025-26	38,173	12,057	50,230			8,600,000	8,650,230	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers.	1070
				2026-27			-			1,800,000	1,800,000		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
										5-Year Project Total	10,450,230		
10	C23006	**Golden State Water Company Sherrill Well PFAS Treatment System** Estimated Total Capital Cost: $2.5M	PFAS Treatment Systems	2025-26	38,550	13,658	52,207			2,255,000	2,307,207	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers.	1070
				2026-27			-				-		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
										5-Year Project Total	2,307,207		
11	C24001	**Anaheim Wells 39, 47, 48, and 53 PFAS Treatment Systems** Estimated Total Capital Cost: $32M	PFAS Treatment Systems	2025-26	34,807	11,454	46,261		2,000,000	10,000,000	12,046,261	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established.	1070
				2026-27			-			15,000,000	15,000,000		
				2027-28			-			5,000,000	5,000,000		
				2028-29			-				-		
				2029-30			-				-		
										5-Year Project Total	32,046,261		
12	C24002	**Fullerton Wells 10 and Christlieb/15A PFAS Treatment Systems** Estimated Total Capital Cost: $15.3M	PFAS Treatment Systems	2025-26	9,543	3,014	12,558		900,000	2,000,000	2,912,558	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established.	1070
				2026-27			-			5,700,000	5,700,000		
				2027-28			-			5,700,000	5,700,000		
				2028-29			-			1,000,000	1,000,000		
				2029-30			-				-		
										5-Year Project Total	15,312,558		
13	C24003	**Garden Grove Wells 22, 26, and 27 PFAS Treatment Systems** Estimated Total Capital Cost: $25M	PFAS Treatment Systems	2025-26	28,630	9,043	37,673		700,000	6,700,000	7,437,673	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established.	1070
				2026-27			-			13,000,000	13,000,000		
				2027-28			-			3,000,000	3,000,000		
				2028-29			-				-		
				2029-30			-				-		
										5-Year Project Total	23,437,673		

TABLE 8-2
FISCAL YEAR 2025-26
CAPITAL IMPROVEMENT PROGRAM SUMMARY

	ACCOUNT NO: COST CODE			Fiscal Year	Salaries	Benefits	Salaries & Benefits	Pre-design	Design	Construction	Total		
								02000	03000	40010			
14	C24005	**Orange Wells 25 and 27 PFAS Treatment Systems**	PFAS Treatment Systems	2025-26	34,807	11,454	46,261		1,500,000	6,000,000	7,546,261	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established.	1070
				2026-27			-			5,500,000	5,500,000		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $13M								5-Year Project Total	13,046,261		
15	C24006	**Golden State Water Company Wells SCL5, SORG, SBCH, and SDAL PFAS Treatment Systems**	PFAS Treatment Systems	2025-26	19,275	6,829	26,104		300,000		326,104	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established.	1070
				2026-27			-			7,000,000	7,000,000		
				2027-28			-			4,413,523	4,413,523		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $12.75M								5-Year Project Total	11,739,627		
16	C24007	**Santa Ana Wells 16, 29, 41, and 33 PFAS Treatment System**	PFAS Treatment Systems	2025-26	20,467	5,985	26,451			4,000,000	4,026,451	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established.	1070
				2026-27			-			8,000,000	8,000,000		
				2027-28			-			8,000,000	8,000,000		
				2028-29			-			5,000,000	5,000,000		
				2029-30			-				-		
		Estimated Total Capital Cost: $25M								5-Year Project Total	25,026,451		
17	C24008	**Santa Ana Wells 18, 24, 32, 36, and 39 PFAS Treatment System**	PFAS Treatment Systems	2025-26	28,912	10,243	39,155		600,000	5,400,000	6,039,155	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established.	1070
				2026-27			-			8,000,000	8,000,000		
				2027-28			-			8,000,000	8,000,000		
				2028-29			-			8,000,000	8,000,000		
				2029-30			-				-		
		Estimated Total Capital Cost: $30M								5-Year Project Total	30,039,155		
18	C24011	**Fullerton Wells 5, 6, 7A & 8 PFAS Treatment Systems**	PFAS Treatment Systems	2025-26	19,087	6,029	25,115		200,000	6,100,000	6,325,115	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established.	1070
				2026-27			-			4,000,000	4,000,000		
				2027-28			-			1,000,000	1,000,000		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $12M								5-Year Project Total	11,325,115		
19	C24012	**Golden State Water Company Wells PLJ2 and SSYC PFAS Treatment Systems**	PFAS Treatment Systems	2025-26	9,637	3,414	13,052		175,000		188,052	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established.	1070
				2026-27			-			4,000,000	4,000,000		
				2027-28			-			3,544,646	3,544,646		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $8.25M								5-Year Project Total	7,732,698		

TABLE 8-2
FISCAL YEAR 2025-26
CAPITAL IMPROVEMENT PROGRAM SUMMARY

				Fiscal Year	Salaries	Benefits	Salaries & Benefits	Pre-design	Design	Construction	Total		
	ACCOUNT NO: COST CODE							02000	03000	40010			
20	C24013	**Orange Well 26 PFAS Treatment System**	PFAS Treatment Systems	2025-26	26,105	8,591	34,696		500,000	4,000,000	4,534,696	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established.	1070
				2026-27			-			2,500,000	2,500,000		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $7M								5-Year Project Total	7,034,696		
21	C25002	**Anaheim Well 51 PFAS Treatment System**	PFAS Treatment Systems	2025-26			-		500,000		500,000	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established.	1070
				2026-27			-			5,000,000	5,000,000		
				2027-28			-			1,500,000	1,500,000		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $7M								5-Year Project Total	7,000,000		
22	C25003	**Buena Park Linden Well PFAS Treatment System**	PFAS Treatment Systems	2025-26			-		500,000		500,000	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers. These projects are part of the "Round 2" PFAS Program to be implemented once MCL is established. Possibly block off one zone of the well to prevent PFAS concentrations from rising.	1070
				2026-27			-			1,000,000	1,000,000		
				2027-28			-			4,500,000	4,500,000		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $6M								5-Year Project Total	6,000,000		
23	C25004	**La Palma Basin Shallow Underground Recharge Demonstration**	Shallow underground recharge demonstration system at La Palma Basin.	2025-26			-		30,000	270,000	300,000	Install shallow underground recharge demonstration system at La Palma Basin to assess the feasibility of using underground groundwater recharge systems.	1070
				2026-27			-				-		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $300k								5-Year Project Total	300,000		
24	C25005	**Garden Grove Well 25 PFAS Treatment System**	PFAS Treatment Systems	2025-26	9,543	3,014	12,558		500,000		512,558	Design and construction of PFAS treatment vessel systems to remove the PFAS contaminant from the water prior to individual Producers serving to customers.	1070
				2026-27			-			3,500,000	3,500,000		
				2027-28			-			3,000,000	3,000,000		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $7M								5-Year Project Total	7,012,558		

TABLE 8-2
FISCAL YEAR 2025-26
CAPITAL IMPROVEMENT PROGRAM SUMMARY

				Fiscal Year	Salaries	Benefits	Salaries & Benefits	Pre-design	Design	Construction	Total		
	ACCOUNT NO: COST CODE							02000	03000	40010			
25	C08007	**South Basin Groundwater Protection Project**	For FY25-26: Hire consultant to prepare a pre-design investigation work plan to evaluate siting of remediation facilities (extraction wells, pipelines, and treatment systems) collect site-specific geologic, groundwater quality, and aquifer hydraulic data required to design the remediation facilities.	2025-26			-	300,000			300,000	The pre-design investigation will focus on project facilities siting and collection of site-specific hydrogeologic data necessary to design the remedial facilities, e.g., number, location and depth of extraction wells, pumping rates, and pumped groundwater quality. FY26-27 and 27-28 budgets include 350-600 CPT borings, 18-36 test wells, test extraction trench, 25-50 monitoring wells, and groundwater modeling. FY28-29 and 29-30 budgets include design and site acquisition.	1075
				2026-27			-	800,000			800,000		
				2027-28			-	500,000		1,500,000	2,000,000		
				2028-29			-		750,000		750,000		
				2029-30			-		1,500,000		1,500,000		
		Estimated Total Capital Cost: $15M								5-Year Project Total	5,350,000		
26	C25006	**Monitoring Well Pair in Yorba Linda**	Construct a pair of wells in the Shallow and Principal aquifers in the Yorba Linda subbasin where no other wells exist to provide depth-specific groundwater level and quality data.	2025-26			-			610,000	610,000	The Shallow and Principal aquifer wells would be constructed at depths of approximately 250 and 600 feet, respectively.	1075
				2026-27			-				-		
				2027-28			-				-		
				2028-29			-				-		
				2029-30			-				-		
		Estimated Total Capital Cost: $610k								5-Year Project Total	610,000		
27	C26001	**Sunset GAP Barrier**	Design and construct a seawater barrier in the Sunset Gap (pending project approval by OCWD Board)	2025-26			-				-	FY25/26: Groundwater modeling and FS completion, RFP for Preliminary Design Investigation (PDI) workplan-budgeted in General Fund. FY26/27: Prepare PDI workplan; prepare program EIR including PDI. FY27/28: Construct monitoring and test injection and extraction wells to field-verify flow rates. FY28/29: Construct and test MWs and EWs (both barrier and supply). FY29/30:Construct and test MWs and EWs (both barrier and supply). Test wells include 9 injection wells, 2 extraction wells, and 12 monitoring wells.	1075
				2026-27			-		1,000,000		1,000,000		
				2027-28			-			5,000,000	5,000,000		
				2028-29			-			5,000,000	5,000,000		
				2029-30			-			5,000,000	5,000,000		
		Estimated Total Capital Cost: $ TBD								5-Year Project Total	16,000,000		

Section 9
New Equipment
(Fixed Assets) Summary

New Equipment Budget Funded by Operating Revenues

NEW EQUIPMENT (FIXED ASSETS) SUMMARY

This section describes the equipment items proposed for FY 2025-26. The total budget for 11 equipment items listed in Table 9-1 is $539,000. These items will be funded using operating revenues.

TABLE 9-1
FY 2025-26 PROPOSED EQUIPMENT BUDGET
FUNDED BY OPERATING REVENUES

	Item Name	Item Description	Department	Budget Amount
	Information Services (1016)			
1	Windows Servers	Addition of 2 physical Windows servers to support the deployment of Maximo Maintenance Management System (CMMS) upgrade and other District utility software.	Information Services (1016)	50,000
2	VMS Network Switches	Replacement of 6 network switches nearing end-of-life with industrial switches for the Video Monitoring System.	Information Services (1016)	24,000
	E25.17110.1016	**Total**	**Information Services (1016)**	**74,000**
	Water Quality (1036)			
3	Office /Cubicle Improvements	Water Quality Office/Cubicle improvements will increase wall height, doors, and added office space.	Water Quality (1036)	20,000
	E25.17110.1036	**Total**	**Water Quality (1036)**	**20,000**
	Laboratory (1038)			
4	Promochrom SPE-03 trade-in (3)	Upgrade three Promochrom SPE-03 units dedicated to PFAS sample preparation no longer supported by the manufacturer, taking advantage of a 45% trade-in discount.	Laboratory (1038)	80,000
5	CTC PAL Autosampler	Replacing a 10-year old autosampler for PFAS sample analysis that is no longer supported by the manufacturer.	Laboratory (1038)	80,000
6	Microbiological incubator	Microbiological incubator dedicated to heating samples for total coliform and *E. coli* analyses; replacing 30-year old system that has reached end of useful life.	Laboratory (1038)	30,000
7	Scientific refrigerator	Replacing 1 out of 19 storage units for samples, standards, and reagents (20 years old).	Laboratory (1038)	15,000
	E25.17110.1038	**Total**	**Laboratory (1038)**	**205,000**
	Water Production (1050)			
8	Outdoor furniture	Seating and other furniture required for GWRS tours per Public Affairs for patio area behind Admin reception desk.	Water Production (1050)	30,000
	E25.17110.1050	**Total**	**Water Production (1050)**	**30,000**
	Recharge Operations (1060)			
9	Mobile Vehicle Lift	Portable vehicle lift used for maintenance and to service multiple vehicles at the same time.	Recharge Operations (1060)	90,000
10	Solar Water Mixer (Santiago Basin)	Solar powered water mixer to be placed in Santiago Basin to circulate water, thereby increasing dissolved oxygen levels, to support fish survival at low water levels.	Recharge Operations (1060)	90,000
	E25.17110.1060	**Total**	**Recharge Operations (1060)**	**180,000**
	Wetlands Operations (1062)			
11	Side x Side 4x4 Vehicle	Replace 2011 RT-45 with a new side x side 4x4 vehicle.	Wetlands Operations (1062)	30,000
	E25.17110.1062	**Total**	**Wetlands Operations (1062)**	**30,000**
	Grand Total for Equipment Funded by Operating Revenues			**539,000**

Section 10
Replacement and Refurbishment Fund

REPLACEMENT AND REFURBISHMENT BUDGET

The District has over $1.5 billion in assets, excluding construction in progress, that will need to be replaced or refurbished at some point in the future. To prevent additional pressure on the Replenishment Assessment, a replacement and refurbishment model was developed in 1998, which included all District assets and used engineer's estimates for the useful life of each asset. This model is capable of forecasting future costs and required revenue streams and is updated annually.

The Replacement and Refurbishment (R&R) fund was originally funded in FY 1998-99 with $15 million from the District Replacement Reserves and $20 million from the Orange County bankruptcy proceeds.

In 2004 the R&R program was downsized to only include infrastructure type assets. The amount of money annually transferred into the R&R program was reduced from $4.5 million annually to $2.8 million. The annual transfer amount for the budget year 2025-26 has grown by $1.9 million to provide sufficient funds to meet future expected R&R expenses. The fiscal year 2025-26 contribution is $28.9 million.

An update to the R&R Model was made in 2007 and the changes included:

1. All infrastructure replacement cost have been updated.
2. The R&R Fund balance was set at the current amount of $61.8 million with an expected interest earnings rate of 5% over the next 30 years.
3. The inflation rate was increased from 3% to 3.5% to reflect recent increases in construction material.
4. The cost of repairing and refurbishing the Talbert barrier injection wells has been moved out of the R&R program and into the District's general fund.
5. The cost of major lab equipment costing greater than $100,000 has been moved into the R&R program.

Another update to the Model was conducted in 2011 and the changes include the following:

1. Eliminated the replacement of the Green Acres Project's conventional filtration technology as it will be replaced by an expansion of the microfiltration treatment of GWRS.
2. The Basin Cleaning Vehicles (BCV) was removed from the R&R Model as the BCV Program was discontinued.
3. Pump stations electrical and pumps were separated from buildings as they were previously treated as a single unit in the R&R Model.
4. Transferred $10 million in reserves from the R&R Fund to the Operating Fund.

Actual expenditures from the fund vary significantly each year depending on which District assets have reached the end of their useful life and need to be replaced or which assets

can have their lives extended by refurbishing them. The proposed FY2025-26 R&R budget expenditure is $28.5 million and includes 75 projects. The top five are listed below:

- Santiago Floating Pump Station Refurbishment $3,501,104.
- Replacement of Butterfly valves and actuators at Anaheim Lake $3,014,155.
- Bond Basin Slope Repair $2,988,052.
- Replacement of RO Membranes in 3 RO Units of Train A $1,750,000.
- Replacement of RO CIP PVC piping system with Stainless Steel in area A520 $1,508,817.

FISCAL YEAR 2025-26
PROPOSED REPLACEMENT & REFURBISHMENT FUND REQUESTS

#	Project ID	Item	Description	Department	Salaries & Benefits	Project Cost	Total Project Cost	Asset Class	Refurbishment or Replacement	Asset Age
		Public Affairs (1012)								
1	R25001	H2O Learning Center Upgrades	Replace obsolete and non-functioning equipment in the hallway learning center. Incorporate new technology, enhance design, while adding new information and wall panels.	Public Affairs (1012)		200,000	200,000	Buildings	Refurbishment	10 yrs
			Total	**Public Affairs (1012)**	**$ -**	**$ 200,000**	**$ 200,000**			
		Water Quality (1036)								
2	R25002	Ford F-150 Lightning zero emission vehicle (ZEV) AWD truck with crew cab	New Ford F-150 Lightning zero emission vehicle (ZEV) AWD truck with crew cab - The new F-150 Lightning truck will replace an existing Ford F-150 truck (T-108) purchased in 2000 that is now more than 24 years old, has over 96,000 miles, and has become unreliable in recent years. The new F-150 Lightning truck replacement will be used for many water quality field monitoring activities, including the expanding PFAS Treatment Facility monitoring responsibilities in the department. The truck will provide safe, secure, and flexible transport / storage space for monitoring equipment and sample coolers. The truck will be a versatile vehicle capable of use at many different sites such as PFAS Treatment Facilities, Producer drinking water wells, small private irrigation wells, groundwater monitoring wells and also select surface water sites.	Water Quality (1036)		77,000	77,000	Vehicles > $50,000	Replacement	24 yrs
3	R24001	Westbay Water Quality Monitoring Vehicle	*Carry-Over from FY2024-25 Budget: Vehicle is in design and construction and will be received during FY2025-26 budget. The Westbay water quality monitoring vehicle is a specialized, one-of-a-kind vehicle designed to safely and effectively perform water quality monitoring of the multi-port monitoring wells located throughout the Orange County groundwater basin. OCWD has 56 separate multi-port monitoring wells with over 550 separate monitoring ports that provide important groundwater quality data. The current vehicle to be replaced was purchased in 1999 and has served the Water Quality Department for 25 years.	Water Quality (1036)		380,000	380,000	Vehicles > $50,000	Replacement	25 yrs
			Total	**Water Quality (1036)**	**$ -**	**$ 457,000**	**$ 457,000**			
		Lab (1038)								
4	R21002	Lab washroom remodel	Remove corroded stainless steel cabinetry used in lab washroom and replace with chemically resistant plastic, install new fume hoods and safety showers (14+ years old).	Laboratory (1038)	13,052	1,125,000	1,138,052	Buildings	Refurbishment	16 yrs
5	R25003	Inductively Couple Plasma Optical Emission Spectrometer (ICP-OES)	Optical emission spectrometer dedicated to trace and alkali metal analysis (iron, sodium, potassium, lithium, calcium, magnesium, boron) replacing 13-year old instrument no longer supported by manufacturer.	Laboratory (1038)		200,000	200,000	Lab Equipment > $100,000	Replacement	13 yrs
6	R25004	Segmented Flow Analyzer (SFA)	Segmented flow analyzer dedicated to analyzing nitrogen species (ammonia, cyanide, nitrate, nitrite) replacing 10-year old instrument no longer supported by manufacturer.	Laboratory (1038)		125,000	125,000	Lab Equipment > $100,000	Replacement	10 yrs
			Total	**Laboratory (1038)**	**$ 13,052**	**$ 1,450,000**	**$ 1,463,052**			

FISCAL YEAR 2025-26
PROPOSED REPLACEMENT & REFURBISHMENT FUND REQUESTS

#	Project ID	Item	Description	Department	Salaries & Benefits	Project Cost	Total Project Cost	Asset Class	Refurbishment or Replacement	Asset Age
		Research & Development (1040)								
7	R24005	Offices and Non-Lab Areas Flooring	Replace the ~25-year old R&D carpet with a non-carpet option (1st and 2nd floor Annex building) more suitable for work near lab environment. Optional bid for vendor to move then return the furniture.	Research & Development (1040)		80,000	80,000	Buildings	Replacement	25 yrs
			Total	**Research & Development (1040)**	**$ -**	**$ 80,000**	**$ 80,000**			
		Water Production (1050)								
8	R25006	Replacement of RO Membranes in 3 RO units of Train A	Replace 3,150 membranes in RO units A01, A02, and A03 that are experiencing irreversible fouling and order 50 spares for a total of 3,200 RO membranes. Price includes tax and freight.	Water Production (1050)		1,750,000	1,750,000	RO, MF units	Replacement	5 yrs
9	R22011	Replacement of RO CIP PVC Piping System with Stainless Steel in A520	Replace key sections or entire RO CIP existing PVC schedule 80 piping system that are have deteriorated over time.	Water Production (1050)	8,817	1,500,000	1,508,817	Pipe/Pipeline	Replacement	16 yrs
10	R25007	Refurbish or Replace Mechanical and Electrical Equipment or Structural Items	These funds are to refurbish or replace GWRS, GAP, and Fountain Valley campus building mechanical, electrical, and structural items that unexpectedly fail.	Water Production (1050)		1,000,000	1,000,000	RO, MF units	Replacement or Refurbishment	16 yrs
11	R25008	6 med. voltage VFD Upgrade to Forge. 3 each break tanks, 3 each PWPS	Upgrade medium voltage VFDs to Forge from classic. To allow for further operation and support.	Water Production (1050)		650,000	650,000	Pumps	Refurbishment	18 yrs
12	R25009	Fall Protection Replacements on GWRS Process Building Roof Ladder Systems	The roof ladders and hatch systems need refurbishment to meet current safety guidelines for fall protection.	Water Production (1050)		600,000	600,000	Buildings	Refurbishment	18 yrs
13	R25010	Asphalt Repair and Replacement to Fountain Valley Campus	The asphalt system in the administration and GWRS facility is in a state of degradation from age and usage. A combination of refurbishment and partial replacement required based on evaluation by Buckman Infrastructure group.	Water Production (1050)		600,000	600,000	Parking Lots/Roads	Refurbishment	18 yrs
14	R23009	GAP Process Building Stairs - install and purchase of replacement staircase	Actual stairs installation costs obtained from design engineer. Existing stairs are deteriorating and unsafe to use.	Water Production (1050)	11,565	400,000	411,565	Buildings	Replacement	20 yrs
15	R22006	Gap HPEP 3 VFD replacement	Replace Robicon HPEP 3 VFD.	Water Production (1050)		310,550	310,550	Pumps	Replacement	35 yrs
16	R25011	Green Acres and GWRS Distribution Emergency Pipeline Repairs	These funds allow for refurbishment or replacement of Green Acres or GWRS distribution pipeline assets that unexpectedly fail or damaged.	Water Production (1050)		300,000	300,000	Pipe/Pipeline	Replacement or Refurbishment	30 yrs
17	R25012	MF East and West Electrical buildings roof replacement	The MF East and West Electrical Building membrane roofing systems show signs of leaks during rain events and have been patched. A replacement of the existing membrane based roofing system is required.	Water Production (1050)		300,000	300,000	Buildings	Replacement	18 yrs
18	R24010	GWRS Pipeline leak prevention project	Repair 16 locations that are experiencing significant corrosion at blow off/Air Vac locations.	Water Production (1050)		300,000	300,000	Pipe/Pipeline	Refurbishment	17 yrs
19	R24008	Replace FV Campus Fire panels	Replace obsolete EST3 Panels with EST4.	Water Production (1050)		300,000	300,000	Buildings	Replacement	18 yrs
20	R25013	Replace Fire Pump and Controller for FV/GWRS Campus	Diesel driven pump used to supply fire flows has lost flow capacity and requires replacement to ensure adequate flow. Pump controller is outdated and requires replacement.	Water Production (1050)		200,000	200,000	Pumps	Replacement	17 yrs
21	R25014	Asphalt Repair and Replacement to GAP Santa Ana Reservoir Facility	The asphalt system around the GAP Santa Ana Reservoir facility is in a state of degradation from age and usage. A combination of refurbishment and partial replacement required based on evaluation by Buckman Infrastructure group.	Water Production (1050)		200,000	200,000	Parking Lots/Roads	Refurbishment	25 yrs
22	R23010	I-24 and I-25 Well Pump and Down Hole Valve Replacement	Replace pumps and down hole control valves that have failed and re-design well controls to restore full functionality.	Water Production (1050)	11,565	200,000	211,565	Wells (all types)	Refurbishment	20 yrs

FISCAL YEAR 2025-26
PROPOSED REPLACEMENT & REFURBISHMENT FUND REQUESTS

#	Project ID	Item	Description	Department	Salaries & Benefits	Project Cost	Total Project Cost	Asset Class	Refurbishment or Replacement	Asset Age
23	R24011	Annex Building Roof Replacement	The Annex building roofing system suffers from numerous leaks and has been patched several times. A replacement of the existing roofing is required. The exact type of roofing system to be installed will be determined.	Water Production (1050)		170,000	170,000	Buildings	Replacement	30 yrs
24	R25015	Finished Water Pump and Motor Refurbishment	Inspect, remove (use external crane service) and machine a 2,250hp RO high pressure feed pump as well as replace seals and bearings. Also, clean, dip and bake motor.	Water Production (1050)		150,000	150,000	Pumps	Refurbishment	17 yrs
25	R25016	RO Feed Pump and Motor Refurbishment	Inspect, remove and machine a 1,000hp RO high pressure feed pump as well as replace seals and bearings. Also, clean, dip and bake motor.	Water Production (1050)		150,000	150,000	Pumps	Refurbishment	17 yrs
26	R25017	RO Transfer Pump and Motor Refurbishment	Inspect, remove (use external crane service) and machine a 1,250hp RO Transfer Pump Station pump as well as replace seals and bearings. Also, clean, dip and bake motor. This is second pump to be refurbished (first in FY21 budget.)	Water Production (1050)		150,000	150,000	Pumps	Refurbishment	17 yrs
27	R24012	Finished Product Water Pump and Motor Refurbishment	The five product water pumps are over 15 years old and have never been removed for inspection and refurbishment of key components.	Water Production (1050)		150,000	150,000	Pumps	Refurbishment	17 yrs
28	R24013	Switchgear Building Roof Replacement	The Switchgear building houses sensitive electrical equipment and the existing roofing system has experienced several leaks. A replacement of the existing membrane based roofing system is required.	Water Production (1050)		150,000	150,000	Buildings	Replacement	20 yrs
29	R24014	RO Electrical Building Roof Replacement	The RO Electrical Building membrane roofing system has signs of leaks during rain events and has been patched. A replacement of the existing membrane based roofing system is required.	Water Production (1050)		150,000	150,000	Buildings	Replacement	17 yrs
30	R21010	RO Transfer Pump and Motor Refurbishment	Inspect, remove (use external crane service) and machine a 1,250hp RO Transfer Pump Station pump as well as replace seals and bearings. Also, clean, dip and bake motor.	Water Production (1050)		120,000	120,000	Pumps	Refurbishment	18 yrs
31	R25018	MF Backwash Waste Pump and Motor Refurbishment	Inspect, remove and refurbish key pump components including seals and bearings. Also, clean, dip and bake motor.	Water Production (1050)		100,000	100,000	Pumps	Refurbishment	17 yrs
32	R25019	SCBA Replacements for CSRT	Current Scott air pack systems are no longer supported and have become obsolete. All self contained breathing apparatus sets require replacement including masks and filter cartridges.	Water Production (1050)		100,000	100,000	Other	Replacement	15 yrs
33	R21011	Replace Access Ladders on Chemical Process Tanks	Replace ladders on chemical tanks either with FRP or SS depending upon chemical area and tank condition. Also, reglaze ladder mounts on FRP tanks as needed.	Water Production (1050)		100,000	100,000	Buildings	Replacement	16 yrs
34	R24004	Lab Andover BMS System Replacement	Replace obsolete Andover BMS.	Water Production (1050)		75,000	75,000	Buildings	Replacement	16 yrs
35	R25020	540 UPS Batteries	Replace batteries in 540 electric UPS.	Water Production (1050)		22,000	22,000	Substations	Replacement	7 yrs
36	R25021	LED wall sconce fixtures replace	Replace failing wall sconce campus lighting with new LED type.	Water Production (1050)		15,000	15,000	Buildings	Replacement	18 yrs
37	R25022	Centennial PCS B network buildout	Provide PCS network communications redundancy to Centennial well field by providing a secondary DeltaV area control network (B Network).	Water Production (1050)		13,000	13,000	SCADA	Refurbishment	10 yrs
38	R25023	Flir Infrared camera	Replace obsolete Flir infrared camera.	Water Production (1050)		7,000	7,000	Substations	Replacement	15 yrs
			Total	**Water Productions (1050)**	**$ 31,947**	**$ 10,232,550**	**$ 10,264,497**			
		Recharge Operations (1060)								
39	R25024	Motor Grader 160 AWD	Replace 2004 RT-33 with a new motor grader. Required by CARB regulation.	Recharge Operations (1060)		800,000	800,000	Heavy Equipment > $50,000	Replacement	21 yrs
40	R25025	Anaheim Lake Pump Replacements	Two submersible pumps at Anaheim Lake have reached the end of their life and require replacement.	Recharge Operations (1060)		600,000	600,000	Pumps	Replacement	35 yrs

FISCAL YEAR 2025-26
PROPOSED REPLACEMENT & REFURBISHMENT FUND REQUESTS

#	Project ID	Item	Description	Department	Salaries & Benefits	Project Cost	Total Project Cost	Asset Class	Refurbishment or Replacement	Asset Age
41	R25026	Fall Prevention Improvements	Roof access ladders, roof hatches, and roof access stairways require additional fall protection hardware to comply with current safety guidelines. Project includes design assessment of facilities at all FHQ facilities and installation of necessary equipment to comply with OSHA.	Recharge Operations (1060)		500,000	500,000	Buildings	Refurbishment	Varies
42	R25027	Diesel Fuel Tank Replacement	The underground diesel fuel storage tank is becoming too expensive to insure due to its age. An above ground replacement is required.	Recharge Operations (1060)		500,000	500,000	Recharge Basins	Replacement	40 yrs
43	R25028	Water Truck, Class 8	Replace 2008 T-135 with a new diesel powered water truck.	Recharge Operations (1060)		480,000	480,000	Heavy Equipment > $50,000	Replacement	17 yrs
44	R24020	Kraemer Basin Check Valves	Replace the three failed check valves at the Kraemer Basin pump station.	Recharge Operations (1060)		400,000	400,000	Pipe/Pipeline	Replacement	36 yrs
45	R25029	Imperial Highway Property Fencing	Site security at the District's Imperial Highway property needs to be improved to deter dumping and camping. This project would replace the deteriorated fencing surrounding the site.	Recharge Operations (1060)		300,000	300,000	Fences/Walls	Replacement	35 yrs
46	R25030	Pavement Maintenance: Burris, Riverview, Five Coves, Kraemer	There are approximately 18 acres of paved surfaces in the forebay and Prado areas. Refurbishment will elongate their lifespans. This item is focused on Burris, Riverview, Five Coves Dam, and Kraemer Asphalts.	Recharge Operations (1060)		200,000	200,000	Parking Lots/Roads	Refurbishment	Varies
47	R25051	Imperial Headgates Bypass Flow Meters	Replace two failing flow meters used in the Imperial Headgates bypass culverts.	Recharge Operations (1060)		200,000	200,000	Pipe/Pipeline	Replacement	9 yrs
48	R25031	Mobile Power Pack for Pumps	Replace the 2011 trailer mounted mobile power pack (TR-70) used to run mobile pumps. Replacement required per PERP regulation.	Recharge Operations (1060)		120,000	120,000	Pumps	Replacement	14 yrs
49	R24022	SCADA Hardware Replacements	Many of the SCADA hardware components throughout the recharge facilities are unsupported and potential cyber security risks.	Recharge Operations (1060)		100,000	100,000	SCADA	Replacement	Varies
50	R24021	Richfield Fencing	Consistent dumping, trespassing, and code enforcement issues are occurring along Richfield. The fence needs to be aligned with the District's property limits.	Recharge Operations (1060)		100,000	100,000	Fences/Walls	Replacement	26 yrs
51	R25032	Infrastructure & Equipment Repair	Funds to replace or refurbish infrastructure or equipment that unexpectedly fail.	Recharge Operations (1060)		100,000	100,000	Recharge Basins	Replacement or Refurbishment	Varies
52	R25033	Heavy Equipment Repair	Funds to repair heavy equipment that unexpectedly fails.	Recharge Operations (1060)		100,000	100,000	Heavy Equipment > $50,000	Replacement	Varies
53	R25034	Vehicle Gate Security Automation	Two vehicle gates at FHQ require automation in order to improve site security and safety. Includes motors, access control, and camera monitoring.	Recharge Operations (1060)		75,000	75,000	Fences/Walls	Refurbishment	35 yrs
54	R25035	Warehouse Heat Illness Compliance	Recent Cal OSHA indoor head illness regulation has resulted in the need to improve temperature controls in the FHQ Warehouse. Includes insulation and exhaust fans.	Recharge Operations (1060)		70,000	70,000	Buildings	Replacement	36 yrs
55	R24030	SCADA Screens Update & On-Call Support	Several of the SCADA screens require updates to reflect current infrastructure and remove abandoned features.	Recharge Operations (1060)		60,000	60,000	SCADA	Refurbishment	Varies
56	R25036	Pick-Up Truck F-150	Replace 19 year old 2006 T-132 with a new F-150 pick-up truck.	Recharge Operations (1060)		60,000	60,000	Vehicles > $50,000	Replacement	19 yrs
57	R25037	Pick-Up Truck F-150	Replace 18 year old 2007 T-138 with a new F-150 pick-up truck.	Recharge Operations (1060)		60,000	60,000	Vehicles > $50,000	Replacement	18 yrs
58	R25038	Pick-Up Truck F-150	Replace 17 year old 2008 T-143 with a new F-150 pick-up truck.	Recharge Operations (1060)		60,000	60,000	Vehicles > $50,000	Replacement	17 yrs
59	R25039	Undercarriage for Bulldozer TL-46	Manufacturer recommended preventative maintenance for bulldozer TL-46 incurred by hours of use.	Recharge Operations (1060)		60,000	60,000	Heavy Equipment > $50,000	Replacement	2 yrs
60	R25040	Undercarriage for Bulldozer TL-44	Manufacturer recommended preventative maintenance for bulldozer TL-44 incurred by hours of use.	Recharge Operations (1060)		60,000	60,000	Heavy Equipment > $50,000	Replacement	4 yrs

FISCAL YEAR 2025-26
PROPOSED REPLACEMENT & REFURBISHMENT FUND REQUESTS

#	Project ID	Item	Description	Department	Salaries & Benefits	Project Cost	Total Project Cost	Asset Class	Refurbishment or Replacement	Asset Age
61	R25041	Off-River Fence Replacement: West of Richfield	The fence between the Off-River and a leased parcel West of Richfield Road has completely deteriorated and requires replacement.	Recharge Operations (1060)		40,000	40,000	Fences/Walls	Replacement	30 yrs
62	R25042	HydroBoard Replacement	Replace the outdated and unsupported open channel flow measurement device.	Recharge Operations (1060)		35,000	35,000	Recharge Basins	Replacement	12 yrs
63	R25043	Office Furniture and Carpets	Replacement of 34 chairs that are 30 years old. Replace 1,650 square ft of carpet located on the second floor.	Recharge Operations (1060)		30,000	30,000	Buildings	Replacement	10 yrs
64	R25044	Anaheim Lake Pump Control Roof	The roofing materials on the Anaheim Lake pump control structure has significantly deteriorated and requires replacement.	Recharge Operations (1060)		25,000	25,000	Buildings	Replacement	35 yrs
65	R25045	Ride-On Mower Replacement	Replace 2003 RT-36 with a new ride-on-mower. Required by CARB regulation.	Recharge Operations (1060)		15,000	15,000	Recharge Basins	Replacement	22 yrs
			Total	**Recharge Operations (1060)**	**$ -**	**$ 5,150,000**	**$ 5,150,000**			
		Wetland Operations (1062)								
66	R25046	Tractor JD 7R 290	Replace 2003 RT-31 with a new tractor. Required per CARB regulation.	Wetlands Operations (1062)		500,000	500,000	Heavy Equipment > $50,000	Replacement	22 yrs
			Total	**Wetlands Operations (1062)**	**$ -**	**$ 500,000**	**$ 500,000**			
		Engineering (1070)								
67	R22014	Santiago Floating Pump Station Refurbishment	Repair cables and conduits to floating pump station and modify discharge to allow pumping above water el. 240'.	Engineering (1070)	26,104	3,475,000	3,501,104	Pumps	Refurbishment	14 yrs
68	R22028	Bond Basin Slope Repair	Slope repairs and Orange storm drain realignment at Bond Basin.	Engineering (1070)	13,052	2,975,000	2,988,052	Recharge Basins	Refurbishment	40 yrs
69	R24032	Anaheim Valve Vault	Replace two butterfly valves and five valve actuators at Anaheim Lake and install valve vault.	Engineering (1070)	39,155	2,975,000	3,014,155	Pipe/Pipeline	Replacement	40 yrs
70	R24033	Gap Reservoir Assessment	Drain and perform assessment of the GAP reservoir in Santa Ana for current condition and any necessary defects/repairs.	Engineering (1070)	11,565	95,000	106,565	Pipe/Pipeline	Refurbishment	40 yrs
71	R25047	GAP Distribution System Repairs	Repair broken valves, valve risers, and cathodic test stations on the GAP distribution system.	Engineering (1070)	11,565	95,000	106,565	Pipe/Pipeline	Replacement	40 yrs
72	R24038	MF West Basement Acoustic Panel Project	Install sound absorption panels in the existing MF West basement.	Engineering (1070)	5,000	55,000	60,000	Buildings	Refurbishment	15 yrs
			Total	**Engineering (1070)**	**$ 106,441**	**$ 9,670,000**	**$ 9,776,441**			
		Hydrogeology (1075)								
73	R25048	Monitoring Wells AM-21 and AM-21A Replacement	The area surrounding wells AM-21/21A is being redeveloped for OC Vibe, so they must be properly destroyed and replaced with new wells at a nearby location. The replacement wells are needed for regulatory permit compliance associated with planned GWRS water recharge in the Lower Santa Ana River and Burris Basin.	Hydrogeology (1075)		450,000	450,000	Wells (all types)	Replacement	33 yrs
74	R25049	Monitoring Wells OM-2 and OM-2A Decommissioning	The County plans to redevelop the site, so the wells must be properly destroyed. They have served their purpose, so there are no plans to replace them. Also includes proper destruction of 13 obsolete shallow piezometers in the Off-River System.	Hydrogeology (1075)		52,000	52,000	Wells (all types)	Refurbishment	34 yrs
75	R25050	Ford F150 truck with tool box, safety lights, and bed liner	This is a well maintenance truck to pull the pipe trailer and water tank trailer. It replaces a 23-year old Chevy Suburban (over 100,000 miles),vehicle A66, that has reached the end of its useful life.	Hydrogeology (1075)		70,000	70,000	Heavy Equipment > $50,000	Replacement	18 yrs
			Total	**Hydrogeology (1075)**	**$ -**	**$ 572,000**	**$ 572,000**			
				R&R Grand Total	**$ 151,440**	**$ 28,311,550**	**$ 28,462,990**			

Section 11
OCWD Share of PFAS Treatment Cost

OCWD FY 25-26 50% Share of PFAS Treatment Operating Cost

The PFAS Treatment Facilities and Program Agreement that OCWD has executed with eleven Groundwater Producers calls for the District to pay 50% of the PFAS treatment facilities operating cost up to the current fiscal year maximum adjusted cost. This rate is automatically adjusted annually on July 1st per the agreement by the percentage differential based on the last two annual indices set forth in the Bureau of Labor Statistics Consumer Price Index for All Urban Consumers - Los Angeles-Long Beach-Anaheim. The rate is currently $89.6 and can be expected to increase by approximately 2.9% on July 1, 2025, to $92.2/acre-foot.

OCWD currently expects all eleven Producers to continue operating the PFAS treatment systems for over 50 wells during FY 25-26. Reimbursement assumptions have been made based on expected resin media changeouts. The systems forecasted for resin changeouts were conservatively calculated with the maximum reimbursement amount and those not expecting changeouts were calculated with half the cost based on previous year reimbursement requests. The estimated amount of PFAS treated groundwater is 100,000 acre-feet with a treatment operating cost share estimate of $4.8 million.

Section 12
Cost Center Details

Detail Cost Center General Fund Budget
Acronyms and Abbreviations

GENERAL FUND BUDGET
COST CENTER DETAIL

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GENERAL FUND OPERATING BUDGET FY 25-26
GENERAL MANAGER'S OFFICE (1010)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
	SALARIES & BENEFITS		
1010.50104	REGULAR SALARIES	474,945	474,945
1010.50210	PAYROLL TAXES	10,477	10,477
1010.50202	RETIREMENT	79,078	79,078
1010.50203	457 RETIREMENT MATCH	6,500	6,500
1010.50204	HEALTH INSURANCE	68,488	68,488
1010.50206	WORKERS' COMPENSATION	2,327	2,327
	SALARIES & BENEFITS TOTAL	**641,815**	**641,815**
1010.51102	DISTRICT MEMBERSHIPS		
	AMERICAN MEMBRANE TECHNOLOGY ASSOCIATION	600	600
	AMERICAN WATER WORKS ASSOCIATION (AWWA)	2,150	2,150
	ASSOCIATION OF CALIFORNIA CITIES - ORANGE COUNTY (ACC-OC)	5,300	5,300
	ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA)	26,000	26,000
	ASSOCIATION OF METROPOLITAN WATER AGENCIES (AMWA)	28,200	28,200
	CAL DESAL	5,000	5,000
	CAL STATE FULLERTON DEMOGRAPHICS	57,500	57,500
	CALIFORNIA DATA COLLABORATIVE	16,500	16,500
	CALIFORNIA GROUNDWATER COALITION	10,500	10,500
	CALIFORNIA INVASIVE PLANT COUNCIL	1,000	1,000
	CALIFORNIA MUNICIPAL UTILITIES ASSOCIATION (CMUA)	11,000	11,000
	CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA)	9,800	9,800
	CALIFORNIA WATER EFFICIENCY PARTNERSHIP (SRF LOAN)	6,200	6,200
	CHAMBERS OF COMMERCE	5,000	5,000
	CLEAN WATER SOCAL	2,100	2,100
	COALITION FOR ENVIRON PROTECTION, RESTORATION AND DEVELOPMENT (CEPRD)	25,000	25,000
	GROUNDWATER RESOURCES FOUNDATION (GRA)	1,500	1,500
	INDEPENDENT SPECIAL DISTRICTS ASSOCIATION (ISDOC)	100	100
	INTERNATIONAL DESALINATION AND REUSE ASSOCIATION (IDRA)	3,000	3,000
	ORANGE COUNTY WATER ASSOCIATION	250	250
	PROFESSIONAL MEMBERSHIPS (ASCE, WEF & IAAP)	700	700
	SANTA ANA RIVER FLOOD PROTECTION AGENCY (SARFPA)	1,300	1,300
	SCRIPPS WATER AFFILIATES GROUP	25,000	25,000
	SOUTHERN CALIFORNIA SALINITY COALITION (NWRI)	10,000	10,000
	SOUTHERN CALIFORNIA WATER COALITION	5,000	5,000
	SOUTHWEST MEMBRANE OPERATORS ASSOCIATION	500	500
	SUSTAIN SOCAL	1,500	1,500
	URBAN WATER INSTITUTE	3,000	3,000
	WATER EDUCATION FOUNDATION	8,000	8,000
	NATIONAL WATER SUPPLY ALLIANCE	5,000	5,000
	WATER RESEARCH FOUNDATION	170,000	170,000
	WATEREUSE ASSOCIATION	20,000	20,000
	DISTRICT MEMBERSHIPS TOTAL	**466,700**	**466,700**

GENERAL FUND OPERATING BUDGET FY 25-26
GENERAL MANAGER'S OFFICE (1010)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1010.51104	SUBSCRIPTIONS		
	ADMINISTRATIVE PROFESSIONAL, WATER DESAL NEWSLETTERS	800	800
	SUBSCRIPTIONS TOTAL	**800**	**800**
1010.51112	SPECIAL DISTRICT EXPENSES (SPONSORSHIPS)		
	ACWA CONFERENCES (2)	10,800	10,800
	CALIFORNIA GROUND WATER CONFERENCE (AGWA)	5,000	5,000
	CALIFORNIA WATEREUSE CONFERENCE	6,000	6,000
	MISC. SPONSORSHIPS	10,000	10,000
	STATE OF THE COUNTY LUNCHEON - NEWPORT BEACH CHAMBER OF COMMERCE	3,000	3,000
	ORANGE COUNTY SCIENCE FAIR	3,000	3,000
	SOUTHERN CALIFORNIA WATER CONFERENCE	2,500	2,500
	TET FESTIVAL	5,000	5,000
	SPECIAL DISTRICT EXPENSES (SPONSORSHIPS) TOTAL	**45,300**	**45,300**
1010.51192	TECHNICAL TRAINING		
	STAFF TRAINING	250	250
	TECHNICAL TRAINING TOTAL	**250**	**250**
1010.51301	TRAVEL/CONFERENCE/MILEAGE		
	ACWA FALL CONFERENCE, SAN DIEGO	1,500	1,500
	ACWA SPRING CONFERENCE	2,300	2,300
	SACRAMENTO LEGISLATIVE TRIPS (4)	2,000	2,000
	WASHINGTON DC LEGISLATIVE TRIPS (2)	5,000	5,000
	WATEREUSE CA ANNUAL CONFERENCE, SAN DIEGO	1,500	1,500
	WATEREUSE ANNUAL SYMPOSIUM, LOS ANGELES	2,000	2,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**14,300**	**14,300**
1010.51501	OFFICE EXPENSE - GENERAL		
	BULK OFFICE AND CONSUMABLE SUPPLIES	4,500	4,500
	OFFICE EXPENSE - GENERAL TOTAL	**4,500**	**4,500**
1010.51531	SHIRTS - LOGO		
	SHIRTS - LOGO	300	300
	SHIRTS - LOGO TOTAL	**300**	**300**
1010.53001	PROFESSIONAL SERVICES - GENERAL		
	DISTRICT ISSUES CONSULTING	20,000	20,000
	OPERATIONAL EFFICIENCY CONSULTING	50,000	50,000
	MANAGEMENT CONSULTING	40,000	40,000
	PROFESSIONAL SERVICES - GENERAL TOTAL	**110,000**	**110,000**
1010.53005	PROFESSIONAL SERVICES - LEGAL		
	RUTAN & TUCKER, LLP	300,000	300,000
	PROFESSIONAL SERVICES - LEGAL TOTAL	**300,000**	**300,000**

GENERAL FUND OPERATING BUDGET FY 25-26
GENERAL MANAGER'S OFFICE (1010)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1010.56012	INTERAGENCY AGREEMENTS		
	ACOE WATER CONSERVATION MAINTENANCE FEE	505,000	505,000
	LOCAL AGENCY FORMATION COMMISSION (LAFCO)	51,500	51,500
	NATIONAL WATER RESOURCE INSTITUTE (NWRI)	50,000	50,000
	OCFCD WATER CONSERVATION MAINTENANCE FEE	46,000	46,000
	SAWPA	454,680	454,680
	WATER EMERGENCY RESPONSE ORGANIZATION OF ORANGE COUNTY (WEROC)	176,574	176,574
	INTERAGENCY AGREEMENTS TOTAL	**1,283,754**	**1,283,754**
1010.57004	MAINTENANCE EQUIPMENT - GENERAL		
	EQUIPMENT REPAIRS	100	100
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**100**	**100**
	GENERAL MANAGER'S OFFICE GRAND TOTAL	**2,867,819**	**2,867,819**

GENERAL FUND OPERATING BUDGET FY 25-26
PUBLIC AFFAIRS (1012)

JDE Account Number	Description	General	Youth Education	Water Summit	Water 101	Tours	Total
	ACTIVITY CODE	9900	1206	9959	9962	9963	
	SALARIES & BENEFITS						
1012.50104	REGULAR SALARIES	892,061	70,303	37,814	53,551	114,932	1,168,661
1012.50210	PAYROLL TAXES	14,031	1,019	548	776	1,667	18,041
1012.50202	RETIREMENT	145,584	11,705	6,296	8,916	19,136	191,637
1012.50203	457 RETIREMENT MATCH	19,175	1,950	813	1,300	2,763	26,001
1012.50204	HEALTH INSURANCE	133,922	10,740	5,000	10,815	19,933	180,410
1012.50206	WORKERS' COMPENSATION	4,371	344	185	262	563	5,725
	SALARIES & BENEFITS TOTAL	**1,209,144**	**96,061**	**50,656**	**75,620**	**158,994**	**1,590,475**
1012.51301	TRAVEL/CONFERENCE/MILEAGE						
	WASHINGTON D.C. - 2 TRIPS (OCWD/ACWA)	5,000					5,000
	ACWA CONF (SPRING AND FALL; 2 STAFF)	6,000					6,000
	LOCAL ONE-DAY CONFERENCES (ACWA REGION EVENTS, WEBINARS)	5,000					5,000
	SACRAMENTO (ACWA/WRA LEG COMMITTEE & COMMUNICATIONS COMMITTEE)	15,000					15,000
	MISCELLANEOUS TRAVEL EXPENSES (MILEAGE)	1,000					1,000
	WATEREUSE CA CONFERENCES (1-2 STAFF)	2,000					2,000
	COMMUNICATIONS/PUBLIC AFFAIRS CONFERENCES	6,000					6,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**40,000**	**-**	**-**	**-**	**-**	**40,000**
1012.51305	PUBLIC INFORMATION TOURS						
	GROUNDWATER ADVENTURE TOUR					20,000	20,000
	NEXT GENERATION WATER LEADERS AND PRADO FIELD TRIPS (INSIDE THE OUTDOORS & SUBSIDIZED BUS FUNDING)		20,000				20,000
	SPEAKERS BUREAU	2,000					2,000
	BRANDED APPAREL (FOR TOURS AND EVENTS)	3,000					3,000
	PUBLIC INFORMATION TOURS TOTAL	**5,000**	**20,000**	**-**	**-**	**20,000**	**45,000**
1012.51204	MISCELLANEOUS EXPENSES						
	LEGISLATIVE & PRODUCER ACTIVITIES	2,000					2,000
	LEGISLATIVE MONITORING (CAPITAL TRACK)	2,500					2,500
	MISCELLANEOUS EXPENSES TOTAL	**4,500**	**-**	**-**	**-**	**-**	**4,500**
1012.53001	PROFESSIONAL SERVICES - GENERAL						
	ENS RESOURCES (FEDERAL ADVOCACY)	98,000					98,000
	EDELSTEIN, GILBERT, SMITH & ROBSON (STATE ADVOCACY)	92,000					92,000
	GONSALVES & SON (STATE ADVOCACY)	92,000					92,000
	PROFESSIONAL SERVICES - GENERAL TOTAL	**282,000**	**-**	**-**	**-**	**-**	**282,000**
1012.51501	OFFICE EXPENSE - GENERAL						
	AWARDS (SUBMITTALS)	1,500					1,500
	PHOTOGRAPHY SERVICES & EQUIPMENT	1,000					1,000
	MEDIA MONITORING (MELTWATER)	22,000					22,000
	LICENSING TO POST/REPRINT ARTICLES	1,000					1,000
	OFFICE EXPENSES SUPPLIES, EQUIPMENT, AND PRINTING ETC.	10,000					10,000
	FLYER DISTRIBUTION & MAILINGS (WALKING MAN/POSTAGE) - CONSTRUCTION COMM. - NOT ALWAYS COVERED IN PROJECT BUDGETS	2,500					2,500
	BRANDING UPDATES (OLD SIGNAGE REPLACEMENT)	5,000					5,000
	SUBSCRIPTIONS (CONSTANT CONTACT EMAIL DATABASE, LOOMLY SOCIAL MEDIA, CANVA DESIGN, CHAT GPT, STORYBLOCK STOCK MATERIALS, NEWSPAPERS, FRAME.10 VIDEO EDITING)	9,000					9,000
	LIBRIS ONLINE PHOTO AND VIDEO LIBRARY LICENSE	8,000					8,000
	OFFICE EXPENSE - GENERAL TOTAL	**60,000**	**-**	**-**	**-**	**-**	**60,000**

GENERAL FUND OPERATING BUDGET FY 25-26
PUBLIC AFFAIRS (1012)

JDE Account Number	Description	General	Youth Education	Water Summit	Water 101	Tours	Total
	ACTIVITY CODE	9900	1206	9959	9962	9963	
1012.51102	MEMBERSHIP & TRAINING						
	PROFESSIONAL MEMBERSHIPS (CAPIO)	2,000					2,000
	STAFF TRAINING (WEBINARS, ONLINE TRAINING)	5,000					5,000
	MEMBERSHIP & TRAINING TOTAL	**7,000**	**-**	**-**	**-**	**-**	**7,000**
1012.56012	GWRS						
	GWRS VIP GROUP TOURS	4,500					4,500
	MARKETING/OUTREACH GWRS (TABLING, VIDEOS, ADVERTISING)	10,000					10,000
	GWRS COLLATERAL (PROMOTIONAL ITEMS, TECH BROCHURE, BAGS, OTHER HANDOUTS)				10,000	20,000	30,000
	GWRS TOTAL	**14,500**	**-**	**-**	**10,000**	**20,000**	**44,500**
1012.51112	SPECIAL DEPARTMENT EXPENSE						
	OCWD BROCHURES, FOLDERS & FACT SHEETS	16,500					16,500
	EMPLOYEE EVENTS	24,000					24,000
	OCWD'S INDUSTRY AND COMMUNITY IMPACT (VIDEO, ADVERTISING, SOCIAL MEDIA, WATER BOTTLE FILLING STATION)	12,000					12,000
	EVENTS AND VIDEOS	15,000					15,000
	BOARD ROOM PHOTOS & UPDATE FRAMED DISTRICT MAPS AND PHOTOS FOR CONFERENCE ROOMS AS NEEDED	1,500					1,500
	SPECIAL DEPARTMENT EXPENSE TOTAL	**69,000**	**-**	**-**	**-**	**-**	**69,000**
1012.51119	SPECIAL DEPARTMENT EXPENSE - OC WATER SUMMIT						
	OC WATER SUMMIT - OPERATING COSTS			100,000			100,000
	WATER ADVISORY COMMITTEE OF ORANGE COUNTY	6,000					6,000
	SPECIAL DEPARTMENT EXPENSE - OC WATER SUMMIT TOTAL	**6,000**	**-**	**100,000**	**-**	**-**	**106,000**
	MISCELLANEOUS REIMBURSEMENT - OC WATER SUMMIT						
1012.51119.170	MWDOC REIMBURSEMENT (SUMMIT AND WACO)	(3,000)		(3,000)			(6,000)
1012.51119.250	OC WATER SUMMIT - SPONSOR REIMBURSEMENT & REGISTRATION			(87,000)			(87,000)
	MISCELLANEOUS REIMBURSEMENT - OC WATER SUMMIT TOTAL	**(3,000)**	**-**	**(90,000)**	**-**	**-**	**(93,000)**
1012.51116	SPECIAL DEPARTMENT EXPENSE - CWEF						
	CHILDREN'S FESTIVAL		265,000				265,000
	SPECIAL DEPARTMENT EXPENSE - CWF TOTAL	**-**	**265,000**	**-**	**-**	**-**	**265,000**
1012.51116.250	MISCELLANEOUS REIMBURSEMENT - CWEF						
	CHILDREN'S FESTIVAL (SPONSORS)		(70,000)				(70,000)
	MISCELLANEOUS REIMBURSEMENT - CWF TOTAL	**-**	**(70,000)**	**-**	**-**	**-**	**(70,000)**
	PUBLIC AFFAIRS GRAND TOTAL	**1,694,144**	**311,061**	**60,656**	**85,620**	**198,994**	**2,350,475**

GENERAL FUND OPERATING BUDGET FY 25-26
INFORMATION SERVICES (1016)

JDE Account Number	Description ACTIVITY CODE	General 9900	GWRS 9922	Total
	SALARIES & BENEFITS			
1016.50104	REGULAR SALARIES	1,104,517	544,016	1,648,533
1016.50210	PAYROLL TAXES	16,015	7,888	23,903
1016.50202	RETIREMENT	183,902	90,579	274,481
1016.50203	457 RETIREMENT MATCH	21,775	10,725	32,500
1016.50204	HEALTH INSURANCE	178,698	88,015	266,713
1016.50206	WORKERS' COMPENSATION	5,412	2,666	8,078
	SALARIES & BENEFITS TOTAL	**1,510,319**	**743,889**	**2,254,208**
1016.52501	COMMUNICATION			
	PHONE SERVICE (PHYSICAL CIRCUITS, DID LINES, LONG DISTANCE, ETC.)	80,000		80,000
	DATA COMMUNICATIONS - FVALLEY X 2, ANAHEIM, SANTIAGO, PRADO, WELL SITE	54,000		54,000
	CELLULAR TELEPHONE & WIRELESS SERVICES	50,000		50,000
	ZOOM VIDEO CONFERENCING	16,000		16,000
	REPLACEMENT/ADDITIONAL PHONES/COMMUNICATION EQUIP	20,000		20,000
	COMMUNICATION TOTAL	**220,000**	**-**	**220,000**
1016.51301	TRAVEL/CONFERENCE/MILEAGE			
	CONFERENCE/TRAINING TRAVEL (MISAC/TECHNICAL CONFERENCES)	2,500		2,500
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**2,500**	**-**	**2,500**
1016.51501	OFFICE EXPENSE - GENERAL			
	GENERAL OFFICE EXPENSE (SHIPPING, FEDEX)	2,000		2,000
	OFFICE EXPENSE - GENERAL TOTAL	**2,000**	**-**	**2,000**
1016.51510	HARDWARE/SOFTWARE			
	HARDWARE & SOFTWARE PURCHASES FOR DEPTS, PROGRAMMER TOOLS FOR IS	50,000		50,000
	COMPUTER REPLACEMENTS (DESKTOPS) - QTY 27 (PHASE 4 WIN 10 REFRESH)	43,000		43,000
	COMPUTER REPLACEMENTS (LAPTOPS) - QTY 14 (VARIOUS DEPARTMENTS / WIN REFRESH)	35,000		35,000
	MICROSOFT 365 LICENSING (285 LICENSES)	82,000		82,000
	NETWORK SECURITY SERVICES/MONITORING	80,000		80,000
	ONLINE & OTHER DATA SERVICES (DATA BACKUP)	18,000		18,000
	ANTIMALWARE SUBSCRIPTION	18,000		18,000
	ONLINE SERVICES (WEBSITES, VIRTUAL SERVERS & RELATED SERVICES)	15,000		15,000
	IT MANAGEMENT SYSTEM AND SERVICE	15,000		15,000
	ADVANCED SECURITY SERVICES FOR MICROSOFT 365 EMAIL	11,000		11,000
	REPLACEMENT BATTERIES FOR DATA CENTER POWER SUPPLY (UPS)	6,000		6,000
	NETWORK WIFI AND SWITCH UPDATE SUBSCRIPTION	20,000		20,000
	COMPUTER UPGRADE HARDWARE (DRIVES AND MEMORY)	2,000		2,000
	DATA CENTER EQUIPMENT/RACKS, RAILS, POWER SUPPLIES	2,000		2,000
	PRINTERS (REPLACEMENT AND NETWORK PRINTERS)	3,000		3,000
	KLIR PERMITTING MODULE FOR PLANNING & NATURAL RESOURCES	75,000		75,000
	NJBSoft SAMS MONITORING PROGRAM MANAGEMENT SOFTWARE TRIALED BY WQ	75,000		75,000
	HARDWARE/SOFTWARE TOTAL	**550,000**	**-**	**550,000**

GENERAL FUND OPERATING BUDGET FY 25-26
INFORMATION SERVICES (1016)

JDE Account Number	Description ACTIVITY CODE	General 9900	GWRS 9922	Total
1016.57004	MAINTENANCE EQUIPMENT - GENERAL			
	MAINTENANCE AGREEMENTS FOR EXISTING HW & SW	395,000		395,000
	SUPPORT FOR BOARDROOM/CONF ROOM AUDIOVISUAL EQUIP	5,000		5,000
	ON-CALL SERVICE AGREEMENT FOR HALLWAY LEARNING CENTER EQUIPMENT	8,000		8,000
	REPAIR EXISTING CABLING (NETWORK, TELEPHONE, COPPER, ETC.)	3,000		3,000
	REPAIR EXISTING EQUIPMENT (WORKSTATIONS, PRINTERS, ETC.)	7,000		7,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**418,000**	**-**	**418,000**
1016.53001	PROFESSIONAL SERVICE - GENERAL			
	ON-CALL CONSULTING (JD EDWARDS, MAXIMO, WRMS, SECURITY, NETWORK, DOCUMENTATION)	40,000		40,000
	PROFESSIONAL SERVICE - GENERAL TOTAL	**40,000**	**-**	**40,000**
1016.51102	MEMBERSHIP			
	USER GROUP MEMBERSHIP	500		500
	MEMBERSHIP TOTAL	**500**	**-**	**500**
1016.51192	TECHNICAL TRAINING			
	ONGOING TECHNICAL TRAINING FOR IS DEPARTMENT	5,000		5,000
	ORACLE JD EDWARDS TRAINING/IBM MAXIMO TRAINING	6,000		6,000
	TECHNICAL TRAINING TOTAL	**11,000**	**-**	**11,000**
	INFORMATION SERVICES GRAND TOTAL	**2,754,319**	**743,889**	**3,498,208**

GENERAL FUND OPERATING BUDGET FY 25-26

BOARD ADMINISTRATION (1018)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
	SALARIES & BENEFITS		
1018.50104	REGULAR SALARIES	632,050	632,050
1018.50118	DIRECTORS' FEES	377,055	377,055
1018.50210	PAYROLL TAXES	14,632	14,632
1018.50202	RETIREMENT	168,016	168,016
1018.50203	457 RETIREMENT MATCH	52,000	52,000
1018.50204	HEALTH INSURANCE	340,879	340,879
1018.50206	WORKERS' COMPENSATION	4,945	4,945
	SALARIES & BENEFITS TOTAL	**1,589,577**	**1,589,577**
1018.51301	BOARD TRAVEL/CONFERENCE/MILEAGE		
	ACWA, AWWA, ADA, NWRA, ASCE, CRWUA, OCCOG, WATEREUSE, AND MISC. CONFERENCES	50,000	50,000
	BOARD TRAVEL/CONFERENCE/MILEAGE TOTAL	**50,000**	**50,000**
1018.51012	LEGAL ADVERTISING		
	LEGALLY REQUIRED NOTICES AND REPORTS, I.E. PUBLIC HEARINGS, ETC.	10,000	10,000
	LEGAL ADVERTISING TOTAL	**10,000**	**10,000**
1018.51501	OFFICE EXPENSE - GENERAL		
	BOARDROOM SUPPLIES, REFRESHMENTS FOR BOARD AND COMMITTEES	50,000	50,000
	FEDEX	100	100
	MAIL DISPATCH	4,500	4,500
	POSTAGE	20,000	20,000
	FILING FEES	100	100
	NOTARY SUPPLIES	100	100
	OFFICE SUPPLIES	100	100
	OFFICE EXPENSE - GENERAL TOTAL	**74,900**	**74,900**

GENERAL FUND OPERATING BUDGET FY 25-26
BOARD ADMINISTRATION (1018)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1018.51565	RENT EQUIPMENT - GENERAL		
	SERVICE FOR XEROX D125, XEROX C70	15,000	15,000
	QUADIENT IX-7 POSTAGE MACHINE	8,000	8,000
	RENT EQUIPMENT - GENERAL TOTAL	**23,000**	**23,000**
1018.51192	EDUCATIONAL TRAINING		
	ARMA TRAINING AND SEMINARS	500	500
	EDUCATIONAL TRAINING TOTAL	**500**	**500**
1018.51102	MEMBERSHIP		
	ASSOCIATION OF RECORDS MANAGERS & ADMINISTRATORS (1 STAFF)	215	215
	NATIONAL NOTARY ASSOCIATION (2 STAFF)	250	250
	MEMBERSHIP TOTAL	**465**	**465**
1018.51112	SPECIAL DEPARTMENT EXPENSE		
	DOCUMENT ARCHIVAL AND SCANNING	5,000	5,000
	OFFSITE STORAGE	60,000	60,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**65,000**	**65,000**
1018.51042	ELECTION COSTS		
	ACCRUED ELECTION COSTS	285,207	285,207
	ELECTION COSTS TOTAL	**285,207**	**285,207**
	BOARD ADMINISTRATION GRAND TOTAL	**2,098,649**	**2,098,649**

GENERAL FUND OPERATING BUDGET FY 25-26
PURCHASING (1022)

JDE Account Number	Description	General	GWRS	Total
	ACTIVITY CODE	9900	9922	
	SALARIES & BENEFITS			
1022.50104	REGULAR SALARIES	498,127	124,532	622,659
1022.50210	PAYROLL TAXES	7,223	1,806	9,029
1022.50202	RETIREMENT	82,938	20,735	103,673
1022.50203	457 RETIREMENT MATCH	15,600	3,900	19,500
1022.50204	HEALTH INSURANCE	88,699	22,175	110,874
1022.50206	WORKERS' COMPENSATION	4,269	1,067	5,336
	SALARIES & BENEFITS TOTAL	**696,856**	**174,215**	**871,071**
1022.51501	OFFICE EXPENSE - GENERAL			
	SAFETY SIGNS/HARDWARE FOR WAREHOUSE	250		250
	MISCELLANEOUS SUPPLIES (TONERS, DRUMS, FILING SUPPLIES)	4,500		4,500
	SHIPPING SUPPLIES (SHRINK WRAP/TAPE, BINDING, ETC.)	1,000		1,000
	PAPER RECYCLING - SET FEE AT $300 PER MONTH	3,600		3,600
	SHIPPING FEES (UPS/FEDEX)	2,500		2,500
	TRUCK WASH FOR DISTRICT VEHICLES - PRADO, FHQ AND FV	2,000		2,000
	OFFICE EXPENSE - GENERAL TOTAL	**13,850**	**-**	**13,850**
1022.51520	GAS & DIESEL			
	VEHICLE FUEL	400		400
	GAS & DIESEL TOTAL	**400**	**-**	**400**
1022.51531	SHIRTS - LOGO			
	SHIRTS - LOGO/SHIRTS/JACKETS	350		350
	SHIRTS - LOGO TOTAL	**350**	**-**	**350**
1022.51545	SMALL TOOLS			
	MISCELLANEOUS HAND TOOLS	1,000		1,000
	SMALL TOOLS TOTAL	**1,000**	**-**	**1,000**
1022.51102	MEMBERSHIP			
	CAPPO (CALIFORNIA ASSOCIATION OF PUBLIC PROCUREMENT OFFICIALS, INC.)	600		600
	MEMBERSHIP TOTAL	**600**	**-**	**600**

GENERAL FUND OPERATING BUDGET FY 25-26
PURCHASING (1022)

JDE Account Number	Description	General	GWRS	Total
	ACTIVITY CODE	9900	9922	
1022.51192	TECHNICAL TRAINING			
	OTHER PROFESSIONAL DEVELOPMENT (PURCHASING SEMINARS, INSURANCE, BIDDING AND NEGOTIATION)	1,000		1,000
	CAPPO CONFERENCE (1 STAFF)	2,000		2,000
	CPPB CERTIFICATION (1 STAFF)	450		450
	TECHNICAL TRAINING TOTAL	**3,450**	**-**	**3,450**
1022.51630	INVENTORY FREIGHT			
	DELIVERY FEES AND FREIGHT CHARGES	30,000		30,000
	INVENTORY FREIGHT TOTAL	**30,000**	**-**	**30,000**
1022.57016	MAINTENANCE STRUCTURE AND IMPROVEMENT - GENERAL			
	WAREHOUSE MAINTENANCE - ADDITIONAL SHELVING/RACKING & FLOOR REFURB.	2,000		2,000
	MAINTENANCE STRUCTURE AND IMPROVEMENT - GENERAL TOTAL	**2,000**	**-**	**2,000**
1022.51510	HARDWARE AND SOFTWARE			
	INSURANCE TRACKING SOFTWARE	20,000		20,000
	MAINTENANCE STRUCTURE AND IMPROVEMENT - GENERAL TOTAL	**20,000**	**-**	**20,000**
	PURCHASING GRAND TOTAL	**768,506**	**174,215**	**942,721**

GENERAL FUND OPERATING BUDGET FY 25-26
FINANCE (1024)

JDE Account Number	Description	General	GWRS	GAP	Total
	ACTIVITY CODE	9900	9922	9911	
	SALARIES & BENEFITS				
1024.50104	REGULAR SALARIES	1,467,863	369,585	10,478	1,847,926
1024.50210	PAYROLL TAXES	23,038	5,797	152	28,987
1024.50202	RETIREMENT	239,689	60,358	1,745	301,792
1024.50203	457 RETIREMENT MATCH	33,313	8,450	488	42,251
1024.50204	HEALTH INSURANCE	187,670	47,345	1,712	236,727
1024.50206	WORKERS' COMPENSATION	7,152	1,798	42	8,992
	SALARIES & BENEFITS TOTAL	**1,958,725**	**493,333**	**14,617**	**2,466,675**
1024.53001	PROFESSIONAL SERVICES - GENERAL				
	EXTERNAL AUDIT (SINGLE AUDIT/MPP INCLUDED)	56,650			56,650
	PAYROLL OUTSOURCING	72,500			72,500
	AP SOFTWARE MAINTENANCE	12,000			12,000
	DEBTBOOK SOFTWARE MAINTENANCE	16,000			16,000
	SPECIALIZED ACCOUNTING/FINANCIAL SERVICES	20,000			20,000
	PROFESSIONAL SERVICES - GENERAL TOTAL	**177,150**	**-**	**-**	**177,150**
1024.51501	OFFICE EXPENSE - GENERAL				
	CHECK STOCK FOR A/P - SAFECHECKS	1,000			1,000
	COLOR COPY ALLOCATION	1,000			1,000
	COLOR PRINTING CHARGE FOR ACFR AND BUDGET BOOK	2,000			2,000
	FEDEX	1,000			1,000
	MICR TONER - A/P, P/R	1,000			1,000
	ANNUAL COMPREHENSIVE FINANCIAL REPORT APPLICATION	1,000			1,000
	MISCELLANEOUS SUPPLIES (COMPUTER PAPER, TONER, OFFICE SUPPLIES)	10,000			10,000
	OFFICE EXPENSE - GENERAL TOTAL	**17,000**	**-**	**-**	**17,000**
1024.51104	SUBSCRIPTIONS				
	GASB/GAAP-ACCOUNTING JOURNAL	500			500
	SUBSCRIPTIONS TOTAL	**500**	**-**	**-**	**500**
1024.51520	GAS & DIESEL FUEL				
	SC FUEL AT $542 PER MONTH IN AVERAGE	6,500			6,500
	GAS & DIESEL FUEL TOTAL	**6,500**	**-**	**-**	**6,500**
1024.51530	UNIFORMS & SAFETY				
	WORK POLOS	500			500
	OVERALL - UNIFORMS	200			200
	UNIFORMS & SAFETY TOTAL	**700**	**-**	**-**	**700**

GENERAL FUND OPERATING BUDGET FY 25-26
FINANCE (1024)

JDE Account Number	Description	General	GWRS	GAP	Total
	ACTIVITY CODE	9900	9922	9911	
1024.51102	MEMBERSHIP				
	AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS	1,000			1,000
	INSTITUTE OF MANAGEMENT ACCOUNTANTS	300			300
	CALIFORNIA MUNICIPAL TREASURERS ASSOCIATION	300			300
	CPA LICENSE, CAL CPA MEMBERSHIP(DS, MO)	1,200			1,200
	CALIFORNIA SOCIETY OF MUNICIPAL FINANCE OFFICERS	300			300
	GOVERNMENT FINANCE OFFICERS ASSOCIATION	300			300
	MEMBERSHIP TOTAL	**3,400**	**-**	**-**	**3,400**
1024.51192	TECHNICAL TRAINING				
	TAX LAW CHANGES SEMINAR (2 STAFF)	1,000			1,000
	JDE AND OTHER TECHNICAL TRAINING	4,000			4,000
	GFOA CONFERENCE (RF, DS AND MO)	2,500			2,500
	CSMFO CONFERENCE (DS, MO)	3,500			3,500
	CAL CPA CPE TECHNICAL TRAINING (DS, MO)	3,000			3,000
	TECHNICAL TRAINING TOTAL	**14,000**	**-**	**-**	**14,000**
1024.56023	PURCHASE DISCOUNTS				
	PURCHASE DISCOUNTS	(120,000)			(120,000)
	PURCHASE DISCOUNTS TOTAL	**(120,000)**	**-**	**-**	**(120,000)**
1024.56024	REBATES - PURCHASING CARD				
	REBATES - PURCHASING CARD	(20,000)			(20,000)
	REBATES - PURCHASING CARD TOTAL	**(20,000)**	**-**	**-**	**(20,000)**
1024.56028	BANK CHARGES				
	BANK CHARGES ($1,250 AVERAGE/MO)	15,000			15,000
	BANK CHARGES TOTAL	**15,000**	**-**	**-**	**15,000**
	FINANCE GRAND TOTAL	**2,052,975**	**493,333**	**14,617**	**2,560,925**

GENERAL FUND OPERATING BUDGET FY 25-26
HUMAN RESOURCES (1030)

JDE Account Number	Description ACTIVITY CODE	General 9900	GWRS 9922	Total
	SALARIES & BENEFITS			
1030.50104	REGULAR SALARIES	139,857	559,429	699,286
1030.50210	PAYROLL TAXES	2,028	8,112	10,140
1030.50202	RETIREMENT	23,286	93,145	116,431
1030.50203	457 RETIREMENT MATCH	3,250	13,000	16,250
1030.50204	HEALTH INSURANCE	24,017	96,069	120,086
1030.50205	HEALTH INSURANCE - RETIREE PREMIUMS	5,500	-	5,500
1030.50206	WORKERS' COMPENSATION	685	2,741	3,426
	SALARIES & BENEFITS TOTAL	**198,623**	**772,496**	**971,119**
1030.51301	TRAVEL/CONFERENCE/MILEAGE			
	ACWA/JPIA COMMITTEE/ACWA/JPIA PERSONNEL COMMITTEE MEETINGS (4 TRIPS)	500		500
	CALPELRA CONFERENCE (MONTEREY, CA) & SEMINARS	2,800		2,800
	MILEAGE	400		400
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**3,700**	**-**	**3,700**
1030.51102	MEMBERSHIPS			
	CALPELRA MEMBERSHIP FEE	400		400
	SOCIETY OF HUMAN RESOURCES PROFESSIONALS	300		300
	MEMBERSHIPS TOTAL	**700**	**-**	**700**
1030.53001	PROFESSIONAL SERVICES - GENERAL			
	COMPSYCH EMPLOYEE ASSISTANCE PROGRAM	6,100		6,100
	HEALTH AND WELLNESS (FAIR AND ACTIVITIES)	3,000		3,000
	UNIVERSAL BACKGROUND INVESTIGATION	9,000		9,000
	ALLIANT BROKER SERVICES FEE	25,000		25,000
	PERSONNEL ISSUES - LEGAL FEES	20,000		20,000
	RETIREE MEDICAL ACTUARIAL FEES	2,800		2,800
	RETIREMENT PLAN LEGAL CONSULTING AND PLAN FILINGS	1,000		1,000
	PRE-EMPLOYMENT PHYSICALS	10,000		10,000
	HEALTH SAVINGS ACCOUNT FEE	100		100
	PROFESSIONAL SERVICES - GENERAL TOTAL	**77,000**	**-**	**77,000**
1030.53015	TEMPORARY LABOR - GENERAL			
	TEMPORARY LABOR - MISC. DEPARTMENTS	40,000		40,000
	TEMPORARY LABOR - GENERAL TOTAL	**40,000**	**-**	**40,000**

GENERAL FUND OPERATING BUDGET FY 25-26
HUMAN RESOURCES (1030)

JDE Account Number	Description ACTIVITY CODE	General 9900	GWRS 9922	Total
1030.51501	OFFICE EXPENSE - GENERAL			
	EMPLOYMENT ADVERTISING	20,000		20,000
	NEOGOV	33,000		33,000
	FEDERAL EXPRESS	200		200
	EMPLOYEE OF THE MONTH/YEAR AWARD EXPENSES	200		200
	ERP AWARD CERTIFICATES	3,200		3,200
	PHONE STIPEND	1,000		1,000
	LENGTH OF SERVICE AWARDS	17,000		17,000
	OFFICE SUPPLIES	9,000		9,000
	OFFICE EXPENSE - GENERAL TOTAL	**83,600**	**-**	**83,600**
1030.51104	SUBSCRIPTIONS			
	LEGAL BULLETINS AND FMLA ONLINE (3 YEARS 6/30/2026)	750		750
	SUBSCRIPTIONS TOTAL	**750**	**-**	**750**
1030.51192	TECHNICAL TRAINING			
	EMPLOYEE TRAINING	12,000		12,000
	TECHNICAL TRAINING TOTAL	**12,000**	**-**	**12,000**
1030.50208	EDUCATION TUITION REIMBURSEMENT			
	EDUCATION TUITION REIMBURSEMENT	22,000		22,000
	EDUCATION TUITION REIMBURSEMENT TOTAL	**22,000**	**-**	**22,000**
1030.51112	SPECIAL DEPARTMENT EXPENSE			
	DOT DRUG & ALCOHOL PROGRAM	5,200		5,200
	EMPLOYEE FITNESS FACILITIES	2,500		2,500
	UNEMPLOYMENT INSURANCE	15,000		15,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**22,700**	**-**	**22,700**
	HUMAN RESOURCES GRAND TOTAL	**461,073**	**772,496**	**1,233,569**

GENERAL FUND OPERATING BUDGET FY 25-26
SAFETY & RISK MANAGEMENT (1034)

JDE Account Number	Description	Administration	GWRS	Total
	ACTIVITY CODE	9900	9922	
	SALARIES & BENEFITS			
1034.50104	REGULAR SALARIES	318,031	79,508	397,539
1034.50210	PAYROLL TAXES	4,611	1,153	5,764
1034.50202	RETIREMENT	52,952	13,238	66,190
1034.50203	457 RETIREMENT MATCH	7,800	1,950	9,750
1034.50204	HEALTH INSURANCE	51,829	12,957	64,786
1034.50206	WORKERS' COMPENSATION	1,272	318	1,590
	SALARIES & BENEFITS TOTAL	**436,495**	**109,124**	**545,619**
1034.52001	INSURANCE			
	CRIME/EXCESS	4,500		4,500
	POLLUTION LIABILITY EXCESS FOR LA PALMA BASIN 10 YEARS PREPAID	30,000		30,000
	FIDUCIARY	8,000		8,000
	GENERAL LIABILITY	654,000		654,000
	PROPERTY	760,000		760,000
	TOUR GROUP AND BUSINESS TRAVEL	5,000		5,000
	UST INSURANCE	10,000		10,000
	INSURANCE TOTAL	**1,471,500**	**-**	**1,471,500**
1034.52005	CLAIMS & TESTING			
	SMALL NON-TRIAL CLAIMS, WORKERS' COMPENSATION FIRST AID	5,000		5,000
	CLAIMS & TESTING TOTAL	**5,000**	**-**	**5,000**
1034.51301	TRAVEL/CONFERENCE/MILEAGE			
	AMERICAN SOCIETY OF SAFETY PROFESSIONALS CONFERENCE	2,400		2,400
	PASMA CONFERENCE/BUSINESS MEETINGS	450		450
	INDUSTRIAL ENVIRONMENTAL COALITION OF OC MEETINGS	300		300
	MILEAGE	500		500
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**3,650**	**-**	**3,650**
1034.53001	PROFESSIONAL SERVICE - GENERAL			
	HAZARDOUS WASTE/MATERIALS AUDIT	8,000		8,000
	HEALTH AND SAFETY MEDICAL EVALUATION FOR CSRT	4,000		4,000
	HEPATITIS A AND B SHOTS	2,000		2,000
	EMERGENCY RESPONCE PLAN UPDATE	16,500		16,500
	RESPIRATOR FIT TESTS	3,800		3,800
	INDUSTRIAL HYGIENE MONITORING	12,000		12,000
	PROFESSIONAL SERVICE - GENERAL TOTAL	**46,300**	**-**	**46,300**

GENERAL FUND OPERATING BUDGET FY 25-26
SAFETY & RISK MANAGEMENT (1034)

JDE Account Number	Description	Administration	GWRS	Total
	ACTIVITY CODE	9900	9922	
1034.51501	OFFICE EXPENSE - GENERAL			
	FEDERAL EXPRESS/COURIER	200		200
	OFFICE SUPPLIES	1,900		1,900
	TRAINING MATERIALS AND MEETING EXPENSES	3,000		3,000
	OFFICE EXPENSE - GENERAL TOTAL	**5,100**	**-**	**5,100**
1034.51104	SUBSCRIPTIONS			
	CAL OSHA REPORTER	500		500
	BUSINESS AND LEGAL REPORT (BLR)	1,300		1,300
	MSDS ONLINE ANNUAL FEE (3 YEAR AGREEMENT 9/1/2022 - 8/31/2025)	4,500		4,500
	SPLAN ANNUAL FEE	3,900		3,900
	TRAINING TRACKING SERVICE (BIS)	10,000		10,000
	SUBSCRIPTIONS TOTAL	**20,200**	**-**	**20,200**
1034.51530	UNIFORMS & SAFETY			
	ERGONOMIC EQUIPMENT	6,000		6,000
	PERSONAL PROTECTIVE EQUIPMENT - NON OPERATION DEPARTMENTS	1,000		1,000
	SAFETY GLASSES - RX	3,500		3,500
	SHOES	20,000		20,000
	UNIFORMS & SAFETY TOTAL	**30,500**	**-**	**30,500**
1034.57004	MAINTENANCE EQUIPMENT - GENERAL			
	MEDICAL EQUIPMENT/AED UNITS & SUPPLIES	1,500		1,500
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**1,500**	**-**	**1,500**
1034.51550	SAFETY SUPPLIES			
	CONFINED SPACE EQUIPMENT	1,000		1,000
	DISASTER/HAZMAT EQUIPMENT/SUPPLIES	2,000		2,000
	SAFETY INCENTIVES/SUPPLIES	1,200		1,200
	FIRST AID SUPPLIES	1,000		1,000
	HEAT ILLNESS PREVENTION SUPPLIES, SIGNS, TRAFFIC CONES, MISC. SAFETY SUPPLIES	5,000		5,000
	SAFETY SUPPLIES TOTAL	**10,200**	**-**	**10,200**
1034.51102	MEMBERSHIP			
	AMERICAN SOCIETY OF SAFETY PROFESSIONALS	350		350
	INDUSTRIAL ENVIRONMENTAL COALITION OF ORANGE COUNTY	75		75
	PUBLIC SAFETY MANAGEMENT ASSOCIATION	150		150
	MEMBERSHIP TOTAL	**575**	**-**	**575**

GENERAL FUND OPERATING BUDGET FY 25-26
SAFETY & RISK MANAGEMENT (1034)

JDE Account Number	Description	Administration	GWRS	Total
	ACTIVITY CODE	9900	9922	
1034.51192	STAFF TRAINING			
	CONFINED SPACE - TRAINING AND ANNUAL REQUIRED DRILLS	5,000		5,000
	RESPIRATOR TRAINING	2,500		2,500
	CPR/FIRST AID/AED	10,000		10,000
	ERGONOMIC TRAINING	2,000		2,000
	HAZMAT 24/40 HOUR	10,000		10,000
	HAZMAT ANNUAL	6,000		6,000
	ACTIVE SHOOTER TRAINING - NEW HIRES	2,000		2,000
	LITHIUM BATTERY TRAINING	2,000		2,000
	MACHINE TRAINING (TRAIN THE TRAINER)	2,000		2,000
	SAFETY STAFF REQUIRED PROFESSIONAL TRAINING	3,000		3,000
	WORKPLACE VIOLENCE TRAINING AND ANNUAL REQUIRED DRILL	9,500		9,500
	STAFF TRAINING TOTAL	**54,000**	**-**	**54,000**
1034.51202	SECURITY PROGRAM			
	ALARM SYSTEM MONITORING - BAY ALARM (FHQ AND PRADO)	15,000		15,000
	BAY ALARM FV PANIC ALARMS	1,000		1,000
	SECURITY GUARD SERVICES	525,151		525,151
	WORKPLACE VIOLENCE SUPPLIES	25,000		25,000
	SECURITY PROGRAM TOTAL	**566,151**	**-**	**566,151**
1034.51112	SPECIAL DEPARTMENT EXPENSE			
	CITY/COUNTY ALARM PERMITS	1,800		1,800
	COUNTY HAZMAT WASTE PROGRAM - CUPA FEES	2,400		2,400
	DTSC AND EPA FEES	1,000		1,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**5,200**	**-**	**5,200**
	SAFETY AND RISK MANAGEMENT GRAND TOTAL	**2,656,371**	**109,124**	**2,765,495**

GENERAL FUND OPERATING BUDGET FY 25-26

WATER QUALITY (1036)

JDE Account Number	Description	General	GWP Assistance	GWR System O&M	SAR Monitoring	NBGPP NCP	SBGPP NCP	PFAS	PFAS O&M Anaheim	PFAS O&M EOCWD	PFAS O&M Fullerton	PFAS O&M Garden Grove	PFAS O&M GSWC	PFAS O&M IRWD	PFAS O&M Orange	PFAS O&M Santa Ana	PFAS O&M Serrano	PFAS O&M Tustin	PFAS O&M YLWD	Total
	ACTIVITY CODE	9900	4406	9922	4602	9985	9986	1914	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
	SALARIES & BENEFITS																			
1036.50104	REGULAR SALARIES	536,013	342,203	145,875	113,685	143,286	46,979	258,997	28,567	15,200	23,192	23,192	15,200	15,200	23,192	15,200	13,840	18,460	25,673	1,803,954
1036.50106	OVERTIME	4,890	3,416	1,263	1,826	2,572	882	2,468	268	123	177	177	123	123	177	123	123	123	203	19,057
1036.50210	PAYROLL TAXES	8,939	5,011	2,134	1,675	2,115	694	3,791	418	222	339	339	222	222	339	222	202	269	375	27,528
1036.50202	RETIREMENT	87,117	57,546	24,499	19,232	24,285	7,969	43,534	4,801	2,551	3,891	3,891	2,551	2,551	3,891	2,551	2,325	3,094	4,308	300,586
1036.50203	457 RETIREMENT MATCH	14,349	7,703	3,478	3,250	4,128	1,333	6,273	666	358	520	520	358	358	520	358	325	423	585	45,505
1036.50204	HEALTH INSURANCE	92,677	49,815	23,170	21,949	29,802	9,891	45,404	4,852	2,692	3,963	3,963	2,692	2,692	3,963	2,692	2,407	3,228	4,437	310,288
1036.50206	WORKERS' COMPENSATION	6,297	4,350	1,611	1,899	2,605	883	3,967	447	231	331	331	231	231	331	231	202	267	384	24,829
	SALARIES & BENEFITS TOTAL	**750,280**	**470,044**	**202,030**	**163,516**	**208,793**	**68,631**	**364,434**	**40,019**	**21,377**	**32,413**	**32,413**	**21,377**	**21,377**	**32,413**	**21,377**	**19,424**	**25,864**	**35,965**	**2,531,747**
1036.51301	TRAVEL/CONFERENCES																			
	ACWA CONFERENCES & WQ COMMITTEE (SPRING, FALL, REGULATORY)	2,000																		2,000
	TRAVEL/CONFERENCES TOTAL	**2,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2,000**
1036.51501	OFFICE EXPENSE - GENERAL																			
	OFFICE/WQ SAMPLING CONSUMABLE PRODUCTS (SAMPLE LABELS, PAPER, PRINTER CARTRIDGES, TAPE, ETC.); COMPUTER-RELATED EQUIPMENT	2,800	2,800	2,800	2,000	2,000	500	2,800	200	100	100	100	100	100	100	100	100	100	200	17,000
	FEDEX SHIPPING: WQ SAMPLE SHIPPING (CONTRACT LABS, RESEARCHERS, ETC.)	2,000	2,000	2,000																6,000
	OFFICE EXPENSE - GENERAL TOTAL	**4,800**	**4,800**	**4,800**	**2,000**	**2,000**	**500**	**2,800**	**200**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**200**	**23,000**
1036.53001	PROFESSIONAL SERVICE - GENERAL																			
	TRAFFIC CONTROL ENGINEER SERVICES - TRAFFIC CONTROL PLANS	2,500																		2,500
	TRAFFIC CONTROL CONTRACTOR SERVICES	8,000																		8,000
	PROFESSIONAL SERVICE - GENERAL TOTAL	**10,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**10,500**
1036.51520	GAS & DIESEL FUEL																			
	GASOLINE/DIESEL FUEL	3,500	4,000	3,500	2,500	3,500	2,000	2,600	400	200	200	200	200	200	200	200	200	200	200	24,000
	GAS & DIESEL FUEL TOTAL	**3,500**	**4,000**	**3,500**	**2,500**	**3,500**	**2,000**	**2,600**	**400**	**200**	**200**	**200**	**200**	**200**	**200**	**200**	**200**	**200**	**200**	**24,000**
1036.51530	UNIFORMS & SAFETY																			
	OCWD UNIFORMS, RAIN BOOTS, RAIN JACKET/OVERALLS, SUN PROTECTION	3,500																		3,500
	UNIFORMS & SAFETY TOTAL	**3,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3,500**
1036.57004	MAINTENANCE & EQUIPMENT - GENERAL																			
	ROUTINE MAINT & PARTS FOR FIELD MONITORING EQUIPMENT, PUMPS, GENERATORS, CONSTRUCTING ANCILLARY SYSTEMS, TREATMENT ISSUES, ETC.; REPLACEMENT EQUIPMENT, FIELD METERS, INSTRUMENTATION, PIPES, WIRE, CONNECTORS, FITTINGS, PARTS FOR MECHANICAL AND SUBMERSIBLE PUMPS; SAFETY ITEMS, TRAFFIC CONTROL DEVICES; REPLACEMENT VEHICLE/OTHER SPECIALTY PARTS	1,500	1,000	1,000	1,000	1,500	500	1,000												7,500
	REPLACEMENT OF FAILED SUBMERSIBLE PUMPS - MP1 & SQE PUMPS AT EXISTING SITES OR PUMPS ON TRUCKS	6,000		5,000		7,000	1,500													19,500
	BOOM HYDRAULIC SYSTEM MAINTENANCE (T-98)	800		800																1,600
	MANUFACTURER FIELD EQUIPMENT REPAIRS	4,000	400	2,000	1,000	500	300	1,200												9,400
	MAINTENANCE & EQUIPMENT - GENERAL TOTAL	**12,300**	**1,400**	**8,800**	**2,000**	**9,000**	**2,300**	**2,200**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**38,000**
1036.51545	SMALL TOOLS/FIELD SUPPLIES																			
	FIELD SUPPLIES & MATERIALS FOR SAMPLE COLLECTION TASKS; BATTERIES, BUCKETS, ICE CHESTS, MAN-HOLE PULLERS, CARBON TREATMENT VESSELS AND ANCILLARY PARTS, LOCKS, 250-GAL DECON WATER TANK(S) OR OTHER SAFETY EQUIPMENT (LIGHT BAR, CONES, SIGNS), CARBON SUPPLIES, SPECIALIZED FITTINGS FOR CARBON TREATMENT SYSTEM, DRUMS FOR SPENT CARBON; SPECIALTY ITEMS/EQUIPMENT	2,000	450	1,500	1,500	1,500	450	1,500	100	100	100	100	100	100	100	100	100	100	100	10,000
	WQ CONSUMABLE ITEMS (TUBING, HOSES, FITTINGS, SMALL TOOLS, BLUE ICE, SHIPPING SUPPLIES & PACKING MATERIALS REPLACEMENT OF AGED, FAILED FIELD METERS, PROBES, WATER LEVEL TAPES, CONTROLLERS, ETC.)	3,500	800	1,500	1,500	1,000	700	1,000												10,000
	CARBON - MOBILE CARBON TREATMENT UNITS (WELL DISCHARGES)	10,000		5,000		10,000														25,000
	SMALL TOOLS/FIELD SUPPLIES TOTAL	**15,500**	**1,250**	**8,000**	**3,000**	**12,500**	**1,150**	**2,500**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**45,000**

GENERAL FUND OPERATING BUDGET FY 25-26

WATER QUALITY (1036)

JDE Account Number	Description	General	GWP Assistance	GWR System O&M	SAR Monitoring	NBGPP NCP	SBGPP NCP	PFAS	PFAS O&M Anaheim	PFAS O&M EOCWD	PFAS O&M Fullerton	PFAS O&M Garden Grove	PFAS O&M GSWC	PFAS O&M IRWD	PFAS O&M Orange	PFAS O&M Santa Ana	PFAS O&M Serrano	PFAS O&M Tustin	PFAS O&M YLWD	Total
	ACTIVITY CODE	9900	4406	9922	4602	9985	9986	1914	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
1036.51555	LAB SUPPLIES/EQUIPMENT																			
	CALIBRATION SOLUTIONS AND FIELD PRESERVATIVES GLASSWARE, STORAGE CONTAINERS, CARBOYS, GLOVES, DISPENSERS, SAFETY GLASSES, SPILL CONTROL MATERIALS, MISC. LAB SUPPLIES AND UTENSILS, RADIOACTIVITY BOTTLES AND OTHER SPECIALTY SAMPLE CONTAINERS OR SUPPLIES (ORP SOLUTION, ETC.)	2,500	2,500	1,000	1,000	1,000	500	900	100	100	100	100	100	100	100	100	100	100	100	10,500
	LAB SUPPLIES/EQUIPMENT TOTAL	**2,500**	**2,500**	**1,000**	**1,000**	**1,000**	**500**	**900**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**10,500**
1036.51560	LAB SAMPLES ANALYSIS																			
	GWRS PERMIT: FPW, TALBERT BARRIER, FOREBAY, MID-BASIN MW SITES: RADIOLOGICAL, PRIORITY POLLUTANTS, ASBESTOS, DIOXIN; MICROBIAL, BIOANALYTICAL, AND MONTHLY ROP COLIPHAGE MONITORING.			45,000																45,000
	GWRS NPDES TOXICITY TESTING			10,000																10,000
	GWRS SPECIAL STUDIES (EMERGING CONTAMINANTS, OCWD/OCSD PATHOGEN LRV STUDY, ETC.)			20,000																20,000
	GROUNDWATER PRODUCER DRINKING WATER NEW WELL TESTING RADIOLOGICAL TESTING, CONFIRMATION TESTING, ETC.		27,000																	27,000
	GREEN ACRES MONITORING	1,000																		1,000
	SARMON WATER QUALITY: MICROBIAL (E.G., PHAGE, BACTERIAL, ETC.) TOTAL ORGANIC HALIDES (TOX) AND RADIOLOGICAL TESTING				34,000															34,000
	SARMON SPECIAL STUIDES (EMERGING CONTAMINANTS / PFAS)				5,000			5,000												10,000
	RIVER DESILTING STUDIES (RIVERBED FILTRATION)	3,000																		3,000
	IRVINE DESALTER/MCAS TCE PLUME: NAVY AGREEMENT, AND IRWD/DPH MONITORING PROGRAM - SENTINEL WELLS	8,000																		8,000
	MISC. CONTRACT LAB TESTING (SPILLS, EMERGENCIES, SPLITS, CONFIRMATION TESTING, SPECIFIC ANALYTES, ETC.)	12,000																		12,000
	NPDES TPH MONITORING DE MINIMUS PERMIT, AS NEEDED	2,000																		2,000
	LAB SAMPLES ANALYSIS TOTAL	**26,000**	**27,000**	**75,000**	**39,000**	**-**	**-**	**5,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**172,000**
1036.51192	TECHNICAL TRAINING																			
	STAFF SAFETY / WQ SAMPLING / TECHNICAL TRAINING (I.E., STORMWATER NEW PERMIT & QISP TRAINING, REGULATORY, MONITORING TECHNIQUES, ETC.)	3,000																		3,000
	TECHNICAL TRAINING TOTAL	**3,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3,000**
1036.51112	SPECIAL DEPT EXPENSE																			
	NPDES INDUSTRIAL STORMWATER PERMIT - GWRS FACILITY			3,000																3,000
	NPDES GENERAL DEWATERING PERMIT - BASINWIDE (EXCLUDES DISCHARGES TO NEWPORT BAY)	4,200																		4,200
	SPENT CARBON DISPOSAL COSTS (CARBON TREATMENT OF PURGED GW AT MONITORING WELL SITES FOR NPDES DISCHARGE PERMIT)	3,000																		3,000
	SPECIAL DEPT EXPENSE TOTAL	**7,200**	**-**	**3,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**10,200**
	WATER QUALITY GRAND TOTAL	**841,080**	**510,994**	**306,130**	**213,016**	**236,793**	**75,081**	**380,434**	**40,819**	**21,877**	**32,913**	**32,913**	**21,877**	**21,877**	**32,913**	**21,877**	**19,924**	**26,364**	**36,565**	**2,873,447**

GENERAL FUND OPERATING BUDGET FY 25-26

LABORATORY (1038)

JDE Account Number	Description	General	GWR System O&M	Talbert Barrier O&M	GAP O&M	Groundwater Producers' Assistance	MTBE Litigation	Forebay VOC N. Basin	SAR Monitoring	PFAS	Prado O&M	Total
	ACTIVITY CODE	9900	9922	9908	9911	4406	9954	9936	4602	1914	9924	
	SALARIES & BENEFITS											
1038.50104	REGULAR SALARIES	529,937	1,248,846	376,059	112,945	1,208,822	4,803	4,803	246,162	413,157	84,603	4,230,135
1038.50106	OVERTIME	7,231	32,889	9,918	2,914	32,032	-	-	5,951	10,771	2,076	103,782
1038.50210	PAYROLL TAXES	7,789	21,254	5,930	2,347	20,328	70	70	4,056	6,280	1,390	69,516
1038.50202	RETIREMENT	89,438	206,242	63,369	17,499	200,331	800	800	40,902	70,226	14,074	703,681
1038.50203	457 RETIREMENT MATCH	11,115	31,363	9,588	2,730	30,550	65	65	6,013	10,433	2,080	104,002
1038.50204	HEALTH INSURANCE	93,789	231,757	70,637	19,955	223,993	776	776	45,292	79,402	15,640	782,016
1038.50206	WORKERS' COMPENSATION	4,225	10,039	3,023	908	9,718	38	38	1,976	3,321	679	33,966
	SALARIES & BENEFITS TOTAL	**743,525**	**1,782,390**	**538,524**	**159,297**	**1,725,775**	**6,552**	**6,552**	**350,353**	**593,589**	**120,543**	**6,027,098**
1038.51301	TRAVEL/CONFERENCE/MILEAGE											
	ENVIRONMENTAL MEASUREMENT SYMPOSIUM (AUGUST 2025, ST LOUIS, MO, 2 STAFF)	7,000										7,000
	TNI FORUM ON ENVIRONMENTAL ACCREDITATION (JANUARY 2026, BOSTON, MA, 1 STAFF)	3,500										3,500
	PITTCON (MARCH 2026, SAN ANTONIO, TX, 1 STAFF)	3,500										3,500
	CWEA ANNUAL CONFERENCE (APRIL 2026, LOCATION TBD, 1 STAFF)	3,000										3,000
	AMERICAN SOCIETY OF MASS SPECTROMETRY CONFERENCE (JUNE 2026, SAN DIEGO, CA, 1 STAFF)	2,000										2,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**19,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**19,000**
1038.51501	OFFICE EXPENSE - GENERAL											
	OFFICE SUPPORT MATERIALS	20,000										20,000
	PAPERS, PARTS, DATA CABLES, INSTRUMENT DATA LINKS, ETC.	10,000										10,000
	OFFICE EXPENSE - GENERAL TOTAL	**30,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**30,000**
1038.51104	SUBSCRIPTIONS											
	GENERAL TNI STANDARD (7 USERS)	500				500						1,000
	JOURNAL: AWWA, ACS, ANALYTICAL CHROMATOGRAPHY	200										200
	STANDARD METHODS SMALL LAB ELECTRONIC LICENSE (9 USERS)	300	300			250			250			1,100
	IDEAGEN QUALITY MANAGEMENT SOFTWARE LICENSE (UP TO 50 USERS)	6,500	6,500	1,000	1,000	2,500		1,000	1,000	2,500		22,000
	SUBSCRIPTIONS TOTAL	**7,500**	**6,800**	**1,000**	**1,000**	**3,250**	**-**	**1,000**	**1,250**	**2,500**	**-**	**24,300**
1038.51530	UNIFORMS & SAFETY											
	LAB COATS AND SAFETY EQUIPMENT	8,000										8,000
	UNIFORMS & SAFETY TOTAL	**8,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**8,000**
1038.57004	MAINTENANCE EQUIPMENT - GENERAL											
	THERMO SERVICE AGREEMENT - IC (2), IC/MS, AUTOTRACE (8)		35,000	10,000	5,000	25,000			15,000	5,000	5,000	100,000
	PERKIN ELMER - ICP/OES AND ICP/MS		20,000	3,000	2,000	10,000			5,000	6,000	4,000	50,000
	SEAL DISCRETE ANALYZER		4,000			3,500						7,500
	AGILENT UV/VIS		3,500			3,500						7,000
	METTLER TOLEDO AUTOTITRATOR		500	500	500	500			500	250	250	3,000
	ANNUAL LABORATORY EQUIPMENT CERTIFICATION (TNI REQUIREMENT)		2,000	2,000	1,000	2,000			2,000	2,000	2,000	13,000
	LABORATORY SCIENTIFIC REFRIGERATORS (19)		2,500	1,000	500	2,500			500	500	500	8,000
	INSTRUMENTS SOFTWARE AND COMPUTERS UPGRADE		3,000	1,000	1,000	2,000			1,000	1,000	1,000	10,000
	TOC ANALYZERS (2)		5,000	2,000	2,000	5,000			2,000	2,000	2,000	20,000
	AGILENT GC/MS AND HPLC ANALYTICAL SYSTEMS (ORGANIC)		45,000	12,500	1,000	45,000			12,500	10,000	4,000	130,000

GENERAL FUND OPERATING BUDGET FY 25-26

LABORATORY (1038)

JDE Account Number	Description	General	GWR System O&M	Talbert Barrier O&M	GAP O&M	Groundwater Producers' Assistance	MTBE Litigation	Forebay VOC N. Basin	SAR Monitoring	PFAS	Prado O&M	Total
	ACTIVITY CODE	9900	9922	9908	9911	4406	9954	9936	4602	1914	9924	
1038.57004	MAINTENANCE EQUIPMENT - GENERAL (CONTINUED)											
	PEAK NITROGEN GENERATOR FOR IC/MS		3,000			2,500						5,500
	NITROGEN GENERATORS FOR LC-MS/MS SYSTEMS (3)		3,000	1,000		5,000			3,000	5,000		17,000
	AB SCIEX LC-MS/MS SYSTEMS (3)		30,000	5,000		25,000			10,000	80,000		150,000
	HYDROGEN GENERATOR FOR GC/ECD		1,000	1,000		1,000				500		3,500
	DI SYSTEM - SUPPORT & MAINTENANCE		3,000	2,000	1,000	2,000			1,000	3,000	1,000	13,000
	STERIS - STERILIZERS, DRYING OVENS & AUTOMATED WASHERS		3,000	1,500	1,500	1,000			2,000	1,000	2,000	12,000
	CULLIGAN RO SYSTEM		500	500	400	400			400	400	400	3,000
	EST ANALYTICAL		5,000	4,000	1,000	5,000			1,000	2,000		18,000
	ACID DILUTION TANK PM'S		1,000			1,000			500	500		3,000
	VACUUM TRUCK HAUL OFF		2,000			2,000			500	500		5,000
	CHEM PRO - CORROSION INHIBITOR		700			700						1,400
	PROMOCHROM SPE-03 (2)		500			3,000			500	3,000		7,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**-**	**173,200**	**47,000**	**16,900**	**147,600**	**-**	**-**	**57,400**	**122,650**	**22,150**	**586,900**
1038.51545	SMALL TOOLS & EQUIPMENT											
	TOOLS AND EQUIPMENT TO SERVICE ANALYTICAL SYSTEM	1,000	500	500	500			500				3,000
	SMALL TOOLS & EQUIPMENT TOTAL	**1,000**	**500**	**500**	**500**	**-**	**-**	**500**	**-**	**-**	**-**	**3,000**
1038.51555	LAB SUPPLIES											
	STANDARDS, PROFICIENCY TEST & QA/QC SAMPLES	10,000	65,000		20,000	100,000			10,000	100,000		305,000
	REAGENTS, SOLVENTS & CHEMICALS	15,000	175,000		15,000	175,000			30,000	60,000		470,000
	GC-LC-MS COLUMNS, DETECTORS & ANALYTICAL PARTS	10,000	120,000		10,000	80,000			20,000	40,000		280,000
	EXTRACTION CARTRIDGES & DISKS	5,000	25,000		3,000	15,000			10,000	35,000		93,000
	GAS (HELIUM, NITROGEN, CARBON DIOXIDE, ARGON) SUPPLY		30,000			30,000			10,000	30,000		100,000
	MISCELLANEOUS SUPPLY		800			500			500	200		2,000
	LAB SUPPLIES TOTAL	**40,000**	**415,800**	**-**	**48,000**	**400,500**	**-**	**-**	**80,500**	**265,200**	**-**	**1,250,000**
1038.51560	LAB SAMPLES ANALYSIS											
	CONFIRMATION DATA FROM A SECOND LAB		400	200	200	400			400	400		2,000
	LAB SAMPLES ANALYSIS TOTAL	**-**	**400**	**200**	**200**	**400**	**-**	**-**	**400**	**400**	**-**	**2,000**
1038.51192	EDUCATIONAL TRAINING											
	ANNUAL LAB TRAINING ON TNI QUALITY SYSTEM/ETHICS	1,000	1,000			1,000			1,000	1,000		5,000
	LOCAL WATER EDUCATION SEMINAR (AUGUST 2025, ORANGE, CA), 5 STAFF	500										500
	EDUCATIONAL TRAINING TOTAL	**1,500**	**1,000**	**-**	**-**	**1,000**	**-**	**-**	**1,000**	**1,000**	**-**	**5,500**
1038.51112	SPECIAL DEPARTMENT EXPENSE											
	ANNUAL CERTIFICATION FEES - STATE ELAP & 3RD PARTY TNI AUDIT	35,000										35,000
	HAZARDOUS WASTE DISPOSAL SERVICE	55,000										55,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**90,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**90,000**
1038.51102	MEMBERSHIP											
	AMERICAN CHEMICAL SOCIETY MEMBERSHIP (1 STAFF)	200										200
	CSEA MEMBERSHIP (1 STAFF)	30										30
	CALIFORNIA WATER ENVIRONMENT ASSOCIATION MEMBERSHIP/CERTIFICATION (4 STAFF)	1,500										1,500
	AMERICAN SOCIETY OF MASS SPECTROMETRY (3 STAFF)	300										300
	MEMBERSHIP TOTAL	**2,030**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2,030**
	LABORATORY GRAND TOTAL	**942,555**	**2,380,090**	**587,224**	**225,897**	**2,278,525**	**6,552**	**8,052**	**490,903**	**985,339**	**142,693**	**8,047,828**

GENERAL FUND OPERATING BUDGET FY 25-26
RESEARCH & DEVELOPMENT (1040)

JDE Account Number	Description	General	GWR Process Opt.	GWR System O&M	Forebay O&M	Grants/ Proposals	Particip-ating Utility	Next Gen. Seq.	PFAS	USBR PAA	RBFS PFAS	WRF PIGE	FR-RO	PRADO	WRF-RIC	NAWI CAR.	USBR KJ UF	USBR NOL	NAWI TA&M	NAWI UCI	WRF VOC	NAWI RICE	NAWI NALA RO	NAWI UCLA	USBR HAZEN	USBR ROC PFAS	EPA PIGE	WRF AOF YL	Total
	ACTIVITY CODE	9900	9952	9922	9920	9996	9997	9992	1914	1916	2005	2006	2007	9983	2019	2021	2022	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2035	
	SALARIES & BENEFITS																												
1040.50104	REGULAR SALARIES	391,795	193,006	85,267	27,848	49,160	46,213	37,889	44,942	37,165	72,432	2,287	7,319	1,245	4,575	28,289	27,765	6,098	3,455	30,035	13,169	38,185	9,527	3,608	27,376	83,780	5,667	-	1,278,097
1040.50210	PAYROLL TAXES	6,403	5,336	2,023	733	713	670	549	871	594	1,444	33	106	18	66	456	459	88	50	494	228	623	149	52	467	1,499	82	-	24,206
1040.50202	RETIREMENT	63,294	25,322	12,084	3,754	8,185	7,694	6,309	6,894	6,041	11,004	381	1,219	207	762	4,587	4,471	1,015	575	4,843	2,094	6,171	1,557	601	4,371	13,187	944	-	197,566
1040.50203	457 RETIREMENT MATCH	10,075	3,705	1,885	488	1,105	1,040	1,073	1,040	780	1,625	33	163	33	65	618	553	130	65	715	228	943	195	98	618	1,885	98	-	29,246
1040.50204	HEALTH INSURANCE	53,729	18,396	8,551	3,149	6,360	6,295	4,125	6,835	3,800	9,578	291	1,261	136	583	3,369	2,702	913	283	4,284	1,267	4,492	1,178	604	3,354	14,340	701	-	160,576
1040.50206	WORKERS' COMPENSATION	2,961	2,331	538	161	339	319	299	264	452	377	18	43	6	36	237	244	58	27	283	103	279	67	21	281	628	45	-	10,417
	SALARIES & BENEFITS TOTAL	**528,257**	**248,096**	**110,348**	**36,133**	**65,862**	**62,231**	**50,244**	**60,846**	**48,832**	**96,460**	**3,043**	**10,111**	**1,645**	**6,087**	**37,556**	**36,194**	**8,302**	**4,455**	**40,654**	**17,089**	**50,693**	**12,673**	**4,984**	**36,467**	**115,319**	**7,537**	**-**	**1,700,108**
1040.51301	TRAVEL/CONFERENCE/MILEAGE																												
	WATEREUSE CALIFORNIA ANNUAL CONFERENCE (2 STAFF, SAN DIEGO, 9/2025)	2,500																											2,500
	8th ANNUAL GRA WESTERN GROUNDWATER CONGRESS (1 STAFF, TBD LOCATION [CA], 10/2025)	1,500																											1,500
	USBR WIN WORKSHOP (1 STAFF, ALAMAGORDO NM, 10/2025)	1,500																											1,500
	AWWA WATERSMART INNOVATIONS (WSI) CONFERENCE (1 STAFF, RENO, 10/2025)	1,500																											1,500
	WQTC (2 STAFF TACOMA WA 11/20/25)	4,200																											4,200
	MICROBES IN WASTEWATER SYMPOSIUM (2 STAFF, ORANGE COUNTY, 01/2026)	1,100																											1,100
	AWWA MEMBRANE TECHNOLOGY CONFERENCE (2 STAFF, TBD LOCATION, 3/2026)	4,700																											4,700
	41st ANNUAL WATEREUSE SYMPOSIUM (2 STAFF, LOS ANGELES, 3/2026)	2,500																											2,500
	ACE25 (ANNUAL CONFERENCE & EXPOSITION) (1 STAFF, WASHINGTON DC, 6/2026)	2,500																											2,500
	AMERICAN SOCIETY OF MICROBIOLOGY (ASM) MICROBE CONFERENCE (1 STAFF, WASHINGTON DC, 6/2025)	2,000																											2,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**24,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**24,000**
1040.53001	PROFESSIONAL SERVICES - GENERAL																												
	PFAS PILOT STUDY AT YLWD - CO-FUNDING FOR WRF GRANT																											50,000	50,000
	ISLE WORK GROUP (ANNUAL FEE)	12,000																											12,000
	PFAS SUPERCRITICAL WATER OXIDATION (SCWO) STUDY								25,000																				25,000
	RESEARCH COLLABORATION SUPPORT PROJECTS	65,000																											65,000
	PROFESSIONAL SERVICES - GENERAL TOTAL	**77,000**	**-**	**-**	**-**	**-**	**-**	**-**	**25,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**50,000**	**152,000**
1040.51501	OFFICE EXPENSE - GENERAL																												
	MISC. OFFICE EXPENSES (OFFICE SUPPLIES, SOFTWARE)	1,000																											1,000
	SHIPPING SAMPLES (FEDEX/COURIER)	5,000																											5,000
	OFFICE FURNITURE	500																											500
	OFFICE EXPENSE - GENERAL TOTAL	**6,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6,500**
1040.51520	GAS & DIESEL FUEL																												
	FUEL FOR DEPARTMENT VEHICLE (SC FUELS BPO)	400			600																								1,000
	GAS & DIESEL FUEL TOTAL	**400**	**-**	**-**	**600**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,000**
1040.57004	MAINTENANCE EQUIPMENT - GENERAL																												
	BALANCES (9), INCUBATORS (7), MICROSCOPES, FRIDGES, CENTRIFUGES, AUTOCLAVE, MISC. LAB.	850																											850
	ALL HOOD SAFETY INSPECTION/CALIBRATION (5)	200																											200
	HACH 6000 SPECTROPHOTOMETER SERVICE (ERC HACH OR LAB HACH, ROTATE EVERY OTHER YEAR)	1,500																											1,500
	VERTI FAST THERMOCYCLER (PCR) REPAIR	800																											800
	MINION SEQUENCER	1,600																											1,600
	FHQ PILOTS MAINTENANCE	2,500																											2,500
	ERC PILOTS MAINTENANCE (PUMPS, SENSORS, TANKS, ETC.)	15,000																											15,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**22,450**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**22,450**
1040.57016	MAINT STRUCTURE & IMPROVEMENT - GENERAL																												
	GENERAL DEPARTMENTAL REPAIR WORK	3,000																											3,000
	MAINT STRUCTURE & IMPROVEMENT - GENERAL TOTAL	**3,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3,000**
1040.51555	LAB SUPPLIES & SMALL EQUIPMENT																												
	LAB CONSUMABLES / EQUIP. - GENERAL		21,000	11,000	9,000																								41,000
	LAB CONSUMABLES / EQUIP. - MOLEC. BIO. SUPPLIES							7,200																					7,200
	PILOTS / ERC - GENERAL		18,300																										18,300
	PILOTS / ERC - MEMBRANES (MF/RO)		7,000																										7,000
	GRAINGER (BPO)				2,050																								2,050
	HOME DEPOT (BPO)		1,550		1,550																								3,100
	MCFADDEN DALE (BPO)				1,650																								1,650
	AMAZON WEB SERVICES (BPO)		800																										800
	LAB SUPPLIES & SMALL EQUIPMENT TOTAL	**-**	**48,650**	**11,000**	**14,250**	**-**	**-**	**7,200**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**81,100**

GENERAL FUND OPERATING BUDGET FY 25-26
RESEARCH & DEVELOPMENT (1040)

JDE Account Number	Description	General	GWR Process Opt.	GWR System O&M	Forebay O&M	Grants/ Proposals	Particip-ating Utility	Next Gen. Seq.	PFAS	USBR PAA	RBFS PFAS	WRF PIGE	FR-RO	PRADO	WRF-RIC	NAWI CAR.	USBR KJ UF	USBR NOL	NAWI TA&M	NAWI UCI	WRF VOC	NAWI RICE	NAWI NALA RO	NAWI UCLA	USBR HAZEN	USBR ROC PFAS	EPA PIGE	WRF AOF YL	Total
	ACTIVITY CODE	9900	9952	9922	9920	9996	9997	9992	1914	1916	2005	2006	2007	9983	2019	2021	2022	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2035	
1040.51560	LAB SAMPLES ANALYSIS																												
	UCI LAB SERVICES (SEM ANALYSIS, MICROBIO)	6,000																											6,000
	WATER QUALITY ANALYSIS (DNA SEQUENCING, CHEMICALS, MICROBIO., ETC.)	12,000																											12,000
	PFAS SAMPLE ANALYSIS								12,000																				12,000
	LAB SAMPLES ANALYSIS TOTAL	**18,000**	-	-	-	-	-	-	**12,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**30,000**
1040.51565	EQUIPMENT RENTAL - GENERAL																												
	BOTTLED WATER SERVICE (SPARKLETTS BPO ANNEX)	1,050																											1,050
	DI CARTRIDGES (EVOQUA BPO)	3,100																											3,100
	GAS CYLINDERS/LIQUID N2 (WESTAIR BPO)	450																											450
	EQUIPMENT RENTAL - GENERAL TOTAL	**4,600**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**4,600**
1040.51102	MEMBERSHIP																												
	PROFESSIONAL ENGINEER LICENSE RENEWAL FEE	150																											150
	WATER ENVIRONMENT FEDERATION (WEF) FEE	150																											150
	CALIFORNIA WATER ENVIRONMENT ASSOCIATION FEE	250																											250
	AMERICAN CHEMICAL SOCIETY (ACS) FEE	150																											150
	AWWA (ADMINISTRATIVE STAFF FEE)	150																											150
	AMERICAN MEMBRANE TECHNOLOGY ASSOCIATION FEE	250																											250
	AMERICAN SOCIETY FOR MICROBIOLOGY FEE X 2 STAFF	450																											450
	SMART WATER NETWORKS FORUM (SWAN) MEMBERSHIP FEE FOR OCWD	1,050																											1,050
	MEMBERSHIP TOTAL	**2,600**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**2,600**
1040.51112	SPECIAL DEPARTMENT EXPENSE																												
	JOURNAL PUBLISHING AND OPEN ACCESS FEES	6,000																											6,000
	REFERENCE MATERIAL (BOOKS, MANUALS, JOURNAL ARTICLES, WEBINARS)	500																											500
	SPECIAL DEPARTMENT EXPENSE TOTAL	**6,500**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**6,500**
1040.51113	GRANT REIMBURSABLE EXPENSES																												
	GWRS RO CONCENTRATE PFAS STUDY - KENNEDY JENKS SUPPORT (GRANT REIMBURSED)	20,000																											20,000
	GWRS RO CONCENTRATE PFAS STUDY - OVIVO PILOT AND SUPPORT (GRANT REIMBURSED)	80,000																											80,000
	PFAS PILOT STUDY AT YLWD - KLEINFELDER SUBAWARD AGREEMENT																											18,000	18,000
	PFAS ADSORBENT PILOT AT YLWD (SUPPLIES & EQUIPMENT)																											3,000	3,000
	PFAS PILOT STUDY AT YLWD - CONTRACT LAB ANALYSIS																											78,500	78,500
	PFAS PILOT STUDY AT YLWD - CONTRACT LAB BIOANALYTICAL ANALYSIS																											12,000	12,000
	LAB SUPPLIES & SMALL EQUIPMENT	20,000																											20,000
	GRANT REIMBURSABLE EXPENSES TOTAL	**120,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**111,500**	**231,500**
1040.51192	TECH TRAINING																												
	TECHNICAL TRAINING (WEBINARS, COURSES)	1,500																											1,500
	TECH TRAINING EXPENSE TOTAL	**1,500**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1,500**
	RESEARCH & DEVELOPMENT GRAND TOTAL	**814,807**	**296,746**	**121,348**	**50,983**	**65,862**	**62,231**	**57,444**	**97,846**	**48,832**	**96,460**	**3,043**	**10,111**	**1,645**	**6,087**	**37,556**	**36,194**	**8,302**	**4,455**	**40,654**	**17,089**	**50,693**	**12,673**	**4,984**	**36,467**	**115,319**	**7,537**	**161,500**	**2,266,867**

GENERAL FUND OPERATING BUDGET FY 25-26
PLANNING & WATERSHED MANAGEMENT (1044)

JDE Account Number	Description	General	Prado FS	Total
	ACTIVITY CODE	9900	9978	
	SALARIES & BENEFITS			
1044.50104	REGULAR SALARIES	742,000	80,133	822,133
1044.50210	PAYROLL TAXES	12,049	1,162	13,211
1044.50202	RETIREMENT	120,080	13,342	133,422
1044.50203	457 RETIREMENT MATCH	11,700	1,300	13,000
1044.50204	HEALTH INSURANCE	92,378	10,264	102,642
1044.50206	WORKERS' COMPENSATION	3,636	393	4,029
	SALARIES & BENEFITS TOTAL	**981,843**	**106,594**	**1,088,437**
1044.51192	TRAINING			
	TECHNICAL WRITING CLASS, LEADERSHIP, PUBLIC SPEAKING, PROJECT MANAGEMENT	8,000		8,000
	TRAINING TOTAL	**8,000**	**-**	**8,000**
1044.51301	TRAVEL/CONFERENCE/MILEAGE			
	ACWA CONFERENCES (FALL AND SPRING)	5,000		5,000
	MULTI-STATE SALINITY CONFERENCE	1,700		1,700
	NATIONAL WATER SURPLY	2,000		2,000
	GRA WESTERN GROUNDWATER CONGRESS	1,750		1,750
	CASQA	1,500		1,500
	AWEE CONFERENCE	1,500		1,500
	GRA SGMA IMPLEMENTATION SUMMIT	700		700
	DATA COLLABORATIVE CONFERENCE	1,200		1,200
	BSMAR	1,800		1,800
	ESRI CONFERENCE	1,200		1,200
	AI TECHNOLOGY CONFERENCE DIGITAL TWIN	1,200		1,200
	FLOOD MAR NETWORK FORUM	1,000		1,000
	FIRO FORUM WORKSHOPS	4,000		4,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**24,550**	**-**	**24,550**

GENERAL FUND OPERATING BUDGET FY 25-26
PLANNING & WATERSHED MANAGEMENT (1044)

JDE Account Number	Description	General	Prado FS	Total
	ACTIVITY CODE	9900	9978	
1044.53001	PROFESSIONAL SERVICE - GENERAL			
	RIVERBED FILTRATION SYSTEM FEASIBILITY STUDY	75,000		75,000
	LOWER SANTIAGO CREEK RECHARGE	75,000		75,000
	ANAHEIM LAKE REHABILITATION PROJECT	75,000		75,000
	PRADO WATER CONSERVATION TECHNICAL STUDIES		300,000	300,000
	PRADO FORECAST INFORMED RESERVOIR OPERATIONS IMPLEMENTATION		466,000	466,000
	SUPPORT FOR CEQA COMPLIANCE (AIR & NOISE ANALYSES) PFAS	70,000		70,000
	RECHARGE FACILITIES MODEL SIMULATIONS	10,000		10,000
	PRADO INTEGRATED MODELING PROJECT		150,000	150,000
	MUNCIPAL STORMWATER FEASIBILITY STUDIES AND PROJECT PLANNING	200,000		200,000
	STORMWATER CREDIT BANKING FEASILITY STUDY AND PROPOSAL PLANNING	70,000		70,000
	GRANT WRITING CONTRACTOR SUPPORT FOR SEDIMENT AND STORMWATER PROJECTS	80,000		80,000
	VILLA PARK DAM WATER CONSERVATION PLANNING STUDY	70,000		70,000
	SEDIMENT REMOVAL ANALYSIS (PRADO)		150,000	150,000
	PROFESSIONAL SERVICE - GENERAL TOTAL	**725,000**	**1,066,000**	**1,791,000**
1044.51501	OFFICE EXPENSE - GENERAL			
	OFFICE SUPPLIES	1,000		1,000
	WORKSHOP EXPENSES (REWG, PLANNING BLUEPRINT, REGIONAL, MUNICIPAL, REGULATORY)	2,500		2,500
	OFFICE EXPENSE - GENERAL TOTAL	**3,500**	**-**	**3,500**
1044.51112	SPECIAL DEPARTMENT EXPENSE			
	WATER RIGHTS FEE (STATE WATER RESOURCES CONTROL BOARD)	74,000		74,000
	O.C. CONSERVATION CORP - ADOPTED CHANNEL	40,000		40,000
	REWG STUDIES (CLOGGING STUDIES, SUBSURFACE RECHARGE)	10,000		10,000
	PAYMENT TO SAWPA FOR BASIN MONITORING PROGRAM TASK FORCE EXPENSES	12,000		12,000
	PERMIT FEES FOR PROJECTS (CDFG, ARMY CORPS, REG BOARD, CEQA FILINGS)	8,000		8,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**144,000**	**-**	**144,000**
1044.51530	UNIFORMS & SAFETY			
	DISTRICT SHIRTS	300		300
	UNIFORMS & SAFETY TOTAL	**300**	**-**	**300**
1044.51102	MEMBERSHIP			
	PROFESSIONAL CERTIFICATIONS & MEMBERSHIPS	2,000		2,000
	MEMBERSHIP TOTAL	**2,000**	**-**	**2,000**
	PLANNING & WATERSHED MANAGEMENT GRAND TOTAL	**1,889,193**	**1,172,594**	**3,061,787**

GENERAL FUND OPERATING BUDGET FY 25-26
LOCAL RESOURCES (1045)

JDE Account Number	Description	General	PFAS	FHQ	Total
	ACTIVITY CODE	9900	1914	9920	
	SALARIES & BENEFITS				
1045.50104	REGULAR SALARIES	205,548	54,813	13,703	274,064
1045.50210	PAYROLL TAXES	2,980	795	199	3,974
1045.50202	RETIREMENT	34,224	9,126	2,282	45,632
1045.50203	457 RETIREMENT MATCH	2,438	650	163	3,250
1045.50204	HEALTH INSURANCE	25,199	6,720	1,680	33,599
1045.50206	WORKERS' COMPENSATION	1,007	269	67	1,343
	SALARIES & BENEFITS TOTAL	**271,396**	**72,373**	**18,093**	**361,863**
1045.51102	MEMBERSHIPS				
	MEMBERSHIPS (OCWA, AWWA)	250			250
	MEMBERSHIPS TOTAL	**250**	**-**	**-**	**250**
1045.51301	TRAVEL/CONFERENCE/MILEAGE				
	ACWA MEETING	1,500			1,500
	LOCAL MEETINGS	200			200
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**1,700**	**-**	**-**	**1,700**
1045.51501	OFFICE EXPENSE - GENERAL				
	OFFICE/MEETING SUPPLIES	500			500
	FEDERAL EXPRESS TO GRANT & LOAN FUNDING AGENCIES	400			400
	OFFICE EXPENSE - GENERAL TOTAL	**900**	**-**	**-**	**900**
	LOCAL RESOURCES GRAND TOTAL	**274,246**	**72,373**	**18,094**	**364,713**

GENERAL FUND OPERATING BUDGET FY 25-26
REGULATORY AFFAIRS (1046)

JDE Account Number	Description	General	GWR System O&M	GAP O&M	PFAS	SAWPA PFAS Regional Study	GWR O&M	CALVAL NWRI Project	SAR Monitoring	Total
	ACTIVITY CODE	9900	9922	9911	1914	2026	2003	2036	4602	
	SALARIES & BENEFITS									
1046.50104	REGULAR SALARIES	248,826	101,664	7,185	44,181	22,090	14,905	22,090	29,276	490,217
1046.50210	PAYROLL TAXES	3,608	1,474	104	641	320	216	320	424	7,107
1046.50202	RETIREMENT	41,430	16,927	1,196	7,356	3,678	2,482	3,678	4,874	81,621
1046.50203	457 RETIREMENT MATCH	5,688	1,950	163	650	325	163	325	488	9,752
1046.50204	HEALTH INSURANCE	37,879	19,447	1,606	6,599	3,300	1,694	3,300	4,905	78,730
1046.50206	WORKERS' COMPENSATION	1,219	498	35	216	108	73	108	143	2,400
	SALARIES & BENEFITS TOTAL	**338,650**	**141,960**	**10,289**	**59,643**	**29,822**	**19,533**	**29,821**	**40,110**	**669,827**
1046.51301	TRAVEL/CONFERENCE/MILEAGE									
	WATER QUALITY POLICY/LEGISLATION TRIPS (SACRAMENTO, CA)	1,500								1,500
	41ST WATEREUSE SYMPOSIUM (MARCH 2026; LOS ANGELES) (2 STAFF)	3,000								3,000
	2025 WATEREUSE CALIFORNIA ANNUAL CONFERENCE (SEPT 2025: SAN DIEGO) (2 STAFF)	3,000								3,000
	WEFTEC 2025 (SEPT 2025: CHICAGO) (1 STAFF)	2,500								2,500
	PFAS CONFERENCE (TBD) (1 STAFF)				1,500					1,500
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**10,000**	**-**	**-**	**1,500**	**-**	**-**	**-**	**-**	**11,500**
1046.53001	PROFESSIONAL SERVICE - GENERAL									
	CONSULTING SERVICES FOR 2025 GWRS ANNUAL REPORT		67,500							67,500
	NWRI GWRS INDEPENDENT ADVISORY PANEL		65,000							65,000
	NWRI PHASE 2 CALVAL PROJECT							15,000		15,000
	PFAS SUPPORT				20,000					20,000
	PROFESSIONAL SERVICE - GENERAL TOTAL	**-**	**132,500**	**-**	**20,000**	**-**	**-**	**15,000**	**-**	**167,500**
1046.51501	OFFICE EXPENSE - GENERAL									
	SHIPPING COST/FEDEX/ONTRAC	500								500
	OFFICE SUPPLIES (TONER, ETC.)	500								500
	COLOR COPIES FOR GWRS ANNUAL REPORT & GWRS NWRI IAP MEETING	1,000								1,000
	OFFICE EXPENSE - GENERAL TOTAL	**2,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2,000**
1046.51104	SUBSCRIPTIONS									
	NGWA GROUNDWATER JOURNAL	200								200
	ENVIRONMENTAL SCIENCE & TECHNOLOGY JOURNAL	200								200
	SUBSCRIPTIONS TOTAL	**400**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**400**
1046.51102	MEMBERSHIPS AND REGISTRATIONS									
	MEMBERSHIPS AND PROFESSIONAL REGISTRATIONS (P.E., P.G., IAAP LICENSES)	1,000								1,000
	MEMBERSHIPS AND REGISTRATIONS TOTAL	**1,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,000**
1046.51112	SPECIAL DEPARTMENT EXPENSE									
	RWQCB PERMIT FEE FOR GWRS EMERGENCY SAR DISCHARGE NPDES PERMIT		5,000							5,000
	RWQCB FEE FOR GWRS PERMIT		75,000							75,000
	RWQCB FEE FOR GAP PERMIT			5,000						5,000
	SWRCB DDW FEES FOR REVIEWING PERMITS, PROJECTS, PANEL MEETINGS		30,000							30,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**-**	**110,000**	**5,000**	**-**	**-**	**-**	**-**	**-**	**115,000**
	REGULATORY AFFAIRS GRAND TOTAL	**352,050**	**384,460**	**15,289**	**81,143**	**29,821**	**19,533**	**44,821**	**40,110**	**967,227**

GENERAL FUND OPERATING BUDGET FY 25-26
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	EW1	MBI	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	1711	9990	
	SALARIES & BENEFITS													
1050.50104	REGULAR SALARIES	1,061,158	5,064,378	226,463	456,997	235,311	648,620	148,541	14,701	228,197	109,319	60,905	117,965	8,372,555
1050.50106	OVERTIME SALARIES	64,797	464,888	9,456	14,952	11,130	55,801	7,532	610	12,110	5,624	2,329	3,810	653,039
1050.50210	PAYROLL TAXES	18,390	80,174	3,421	6,843	3,573	10,214	2,263	222	3,484	1,667	917	1,766	132,934
1050.50202	RETIREMENT	181,930	920,623	39,280	78,580	41,033	117,286	25,986	2,549	40,011	19,138	10,528	20,276	1,497,220
1050.50203	457 RETIREMENT MATCH	25,610	129,870	6,240	11,928	7,475	16,998	4,063	390	4,518	2,925	1,560	2,925	214,502
1050.50204	HEALTH INSURANCE	199,027	1,001,299	44,610	80,632	62,594	127,181	31,948	3,335	37,012	23,121	10,789	20,930	1,642,478
1050.50206	WORKERS' COMPENSATION	20,214	104,590	4,088	9,697	5,024	13,953	3,152	322	3,384	2,375	1,220	2,404	170,423
	SALARIES & BENEFITS TOTAL	**1,571,126**	**7,765,822**	**333,558**	**659,629**	**366,140**	**990,053**	**223,485**	**22,129**	**328,716**	**164,169**	**88,248**	**170,076**	**12,683,151**
1050.51301	TRAVEL/CONFERENCE/MILEAGE													
	PATEL- AUG 6-7, 2025 AMTA WORKSHOP, BILLINGS, MT - ATTEND AMTA BOARD MEETING		900											900
	PATEL- SEPT 7-9, 2025 WATEREUSE CA ANNUAL CONF, SAN DIEGO, CA		900											900
	PATEL- OCT 15-16, 2025 AMTA WORKSHOP, COLUMBUS, OH - ATTEND AMTA BOARD MEETING		1,000											1,000
	PATEL- FEBRUARY 2025 AWWA/AMTA MEMBRANE TECHNOLOGY CONFERENCE, MYRTLE BEACH, SC - ATTEND CONF AND AMTA BOARD MEETING		2,500											2,500
	PATEL- MARCH 8-11, 2026 WATEREUSE NATIONAL SYMPOSIUM, LOS ANGELES, CA		700											700
	PATEL OCT 2025 WEFTEC, CHICAGO, IL PARTICIPATE ON REUSE/IPR OPERATIONS PANEL WORKSHOP		2,000											2,000
	PATEL OCT 2025 WEFTEC, NEW ORLEANS, LA, PARTICIPATE ON REUSE/IPR OPERATIONS PANEL WORKSHOP		2,000											2,000
	PHILLIPS - APRIL 2026 CWEA ANNUAL CONFERENCE, SAN DIEGO OR SACRAMENTO		1,500											1,500
	CWEA TRI-STATE SEMINAR, AUG. 4-7, LAS VEGAS, NV - 4 PERSONS		3,500											3,500
	EMERSON USER CONFERENCE , 2 STAFF		7,000											7,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**-**	**22,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**22,000**
1050.53001	PROFESSIONAL SERVICES-GENERAL													
	FLOW REVERSAL RO RETROFIT FEASIBILITY STUDY	200,000												200,000
	CONSULTING SERVICES GWRS PROCESS OPTIMIZATION (SPI)		125,000											125,000
	PROFESSIONAL SERVICES - GENERAL TOTAL	**200,000**	**125,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**325,000**
1050.51501	OFFICE EXPENSE - GENERAL													
	BLUE PRINT AND COPIES		2,000											2,000
	OFFICE FURNITURE		2,000				2,500							4,500
	OFFICE SUPPLIES		8,400	400										8,800
	CHAIR/FLOOR MATS FOR AWPF CONTROL ROOM REPLACEMENTS		1,200											1,200
	REPLACEMENT CHAIRS SHOP OFFICES (17)		8,500											8,500
	ADOBE PROFESSIONAL		2,000											2,000
	OFFICE EXPENSE - GENERAL TOTAL	**-**	**24,100**	**400**	**-**	**-**	**2,500**	**-**	**-**	**-**	**-**	**-**	**-**	**27,000**
1050.51510	HARDWARE/SOFTWARE													
	REPLACE 4 OPERATOR BUSINESS SYSTEM WORKSTATIONS		8,000											8,000
	PCS SYSTEM SOFTWARE SUPPORT (EMERSON GUARDIAN)		80,100											80,100
	LAB BUILDING BMS SYSTEM HARDWARE/SOFTWARE UPGRADE							12,000						12,000
	ADOBE PROFESSIONAL				500									500
	HARDWARE/SOFTWARE TOTAL	**-**	**88,100**	**-**	**500**	**-**	**-**	**12,000**	**-**	**-**	**-**	**-**	**-**	**100,600**
1050.51520	GAS & DIESEL FUEL													
	FUEL		12,000		11,000	3,000								26,000
	GAS & DIESEL FUEL TOTAL	**-**	**12,000**	**-**	**11,000**	**3,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**26,000**
1050.51530	UNIFORMS & SAFETY													
	BOTTLED WATER AS REQUIRED IN TREATMENT AREA		3,000											3,000
	JACKETS, POLO SHIRTS, RAINGEAR		4,500											4,500
	DISTRICT SUPPLIED UNIFORMS (UNIFIRST CONTRACT PRICE INCREASE)		50,000											50,000
	UNIFORMS & SAFETY TOTAL	**-**	**57,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**57,500**

GENERAL FUND OPERATING BUDGET FY 25-26
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	EW1	MBI	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	1711	9990	
1050.57001	MAINTENANCE - SUPPLIES & MATERIAL - ELECTRICAL/INSTRUMENTATION													
	MISC MOTOR, PUMP WAREHOUSE SUPPLIES		6,000		1,000	750	1,250							9,000
	PLANT UPS SYSTEM REPAIRS		7,500		1,000		500							9,000
	ELECTRICAL WAREHOUSE SUPPLIES		5,000	1,000			500							6,500
	INSTRUMENTATION PARTS AND SUPPLIES		11,000	3,000			1,000							15,000
	LIGHTING & EMERGENCY, LIGHT SUPPLIES		3,500			1,000	200	500						5,200
	OFFICE ELECTRICAL & LIGHTING REPAIRS		5,000			1,000		500						6,500
	MAINTENANCE - SUPPLIES & MATERIAL - ELECTRICAL/INSTRUMENTATION TOTAL	**-**	**38,000**	**4,000**	**2,000**	**2,750**	**3,450**	**1,000**	**-**	**-**	**-**	**-**	**-**	**51,200**
1050.57004	MAINTENANCE - SUPPLIES & MATERIAL													
	BARRIER FIELD EQUIPMENT REPAIR SUPPLIES				2,000									2,000
	BOTTLED GAS NITROGEN ECT FOR BARRIER, OPTIONS & MAINTENANCE		500		3,200		750							4,450
	EQUIPMENT AND STRUCTURE REPAIRS SUPPLIES		5,500			3,000	2,500	2,500						13,500
	EQUIPMENT LUBRICATION SUPPLIES		14,000	2,000		2,000	3,000							21,000
	FENCING AND SECURITY GATE REPAIRS		3,000		1,500	2,000								6,500
	GASKETS, BEARINGS, AND GEARS WAREHOUSE SUPPLIES		8,500		500	1,000	2,000							12,000
	HARDWARE SUPPLIES FOR BUILDINGS AND PROCESSES		9,000	1,000	1,000	3,000	1,500							15,500
	IRRIGATION SUPPLIES		2,000		1,000	5,000	2,000							10,000
	JANITORIAL SUPPLIES					9,500								9,500
	ADMINISTRATION, LABORATORY & ANNEX REPAIRS					6,000		5,000						11,000
	LANDSCAPE SUPPLIES					3,000								3,000
	LUMBER, PAINT, HARDWARE SUPPLIES		3,500				2,500							6,000
	PIPE AND SUPPLIES		9,000	10,000		4,000	3,000							26,000
	PVC PIPE REPAIRS AND SUPPLIES		7,500	6,000		1,000	3,000							17,500
	SIGNAGE SUPPLIES		5,500			5,500	2,000				1,000			14,000
	SITE FACILITY PAINTING/SUPPLIES		7,000			4,500	2,000							13,500
	STRUCTURE BLDG REPAIRS MISC		8,000		1,000	6,000	3,000	3,000						21,000
	WELDING MATERIAL (SHEET METAL, STAINLESS, ANGLE IRON)		10,000	6,000	3,000	3,000	4,000	2,500						28,500
	SUMP PUMP REPLACEMENT ELECTRICAL MANHOLES		5,000		1,000	1,000	1,500							8,500
	WELDING SUPPLIES		6,000		500	1,000	2,000							9,500
	US FLAGS					3,000								3,000
	ENGINEERING RESEARCH CENTER PARTS			6,000										6,000
	MAINTENANCE - SUPPLIES & MATERIAL TOTAL	**-**	**104,000**	**31,000**	**14,700**	**63,500**	**34,750**	**13,000**	**-**	**-**	**1,000**	**-**	**-**	**261,950**
1050.57006	MAINTENANCE EQUIPMENT - COMMUNICATION													
	REPAIR AND REPLACEMENT OF HANDHELD AND CAR RADIOS		500		800		700							2,000
	MAINTENANCE EQUIPMENT - COMMUNICATION TOTAL	**-**	**500**	**-**	**800**	**-**	**700**	**-**	**-**	**-**	**-**	**-**	**-**	**2,000**
1050.57008	MAINTENANCE EQUIPMENT - CARTS													
	REPAIR OF CARTS	3,500	17,000											20,500
	MAINTENANCE EQUIPMENT - CARTS TOTAL	**3,500**	**17,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**20,500**
1050.57010	MAINTENANCE EQUIPMENT - VEHICLES													
	MAINTENANCE OF ALL VEHICLES IN OCWD FV POOL	40,000												40,000
	PAINT AND BODY REPAIR OF POOL VEHICLES	5,000												5,000
	SOFTWARE UPGRADE VEHICLE SCANNER	2,000												2,000
	MAINTENANCE EQUIPMENT - VEHICLES TOTAL	**47,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**47,000**
1050.57012	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT													
	MAINTENANCE OF HEAVY EQUIPMENT FOR WATER PRODUCTION		2,000											2,000
	MAINTENANCE OF LARGE AIR COMPRESSOR FOR INJECTION WELLS				2,000									2,000
	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT TOTAL	**-**	**2,000**	**-**	**2,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**

GENERAL FUND OPERATING BUDGET FY 25-26
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	EW1	MBI	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	1711	9990	
1050.57016	MAINTENANCE STRUCTURE AND IMPROVEMENT - OUTSIDE SERVICES													
	FV SITE BUILDING REPAIRS		4,000			3,500		2,500						10,000
	ROOF REPAIRS		1,300			2,500	200	1,000						5,000
	GRAFFITI REMOVAL SERVICE				5,000					10,000				15,000
	ANNUAL INSPECTION/REPAIR OF RPPD		5,000			2,500	3,000							10,500
	PLANT WIDE CRANE SERVICE AND INSPECTION		14,500			2,500	1,500							18,500
	CONCRETE REPAIRS & CORE DRILLING		2,000		500	500								3,000
	ELEVATOR YEARLY INSPECTION AND CERTIFICATION (MF, RO, ANNEX & LAB)		4,000			8,000		3,000						15,000
	FIRE SPRINKLER SERVICE WET AND DRY QUARTERLY AND ANNUAL TEST		12,000			5,000		2,000						19,000
	FIRE EXTINGUISHER SERVICE PM		6,000											6,000
	LABORATORY FIRE ALARM SERVICE							6,000						6,000
	FV SITE FIRE ALARM SERVICE/REPAIR		9,000			4,000								13,000
	HVAC & AIR HANDLING PREVENTIVE MAINT GWRS & FV OFFICES		44,000			35,000	2,000	20,000						101,000
	HVAC & AIR HANDLING REPAIRS GWRS AND FV SITE OFFICES		12,400			20,000	2,000							34,400
	HVAC LAB PM/REPAIR INCLUDES PHOENIX AND ANDOVER CONTROLS AND BOILERS							35,000						35,000
	COVID-19 EXTRA CLEANING BY JANITORIAL SERVICE					27,000								27,000
	JANITORIAL SERVICE GWRS, FV, LAB BLDS & WINDOWS (PLANT WIDE) INCLUDES SHARED MWDOC (PRICE INCREASE PER BOARD ACTION 8/13/20 AFC)					157,000								157,000
	GWRS EXTERIOR PANEL MAINTENANCE (QUOTE FOR METAL PANELS AND WINDOWS)					48,000								48,000
	EMERGENCY JANITORIAL SERVICES & CARPET CLEANING					4,000								4,000
	LANDSCAPE SERVICES INCLUDING SHARED MWDOC					52,000								52,000
	TREE TRIMMING SERVICE					12,000								12,000
	INDOOR PLANT SERVICES					3,800								3,800
	EXTERMINATOR PEST CONTROL SERVICES		3,000			6,000								9,000
	RAINBOW DISPOSAL TRASH PICKUP INCLUDES SHARED MWDOC		6,000			51,000								57,000
	SITE STREET SWEEPING					5,000								5,000
	MEDIUM VOLTAGE VFD ANNUAL PM (VFD COUNT INCREASED DUE TO GWRSFE AND ROCKWELL COSTS HAVE INCREASED)		120,000											120,000
	MOTOR CONTROL CENTER PM		2,000			1,000	1,000							4,000
	MEDIUM VOLTAGE DISTRIBUTOR & SWITCHGEAR PM & OIL TESTING		51,000											51,000
	MEDIUM VOLTAGE DISTRIBUTOR & SWITCHGEAR PM REPAIRS 20% OF PM		10,200											10,200
	NFPA SAFETY EQUIPMENT CERTIFICATION/TESTING		5,000											5,000
	NIST CERTIFICATION CALIBRATION ELECTRICAL SHOP EQUIPMENT		2,800											2,800
	GWRS EMERGENCY GENERATORS QUARTERLY INSPECTION & LOAD TEST		5,500											5,500
	MOTOR OIL ANALYSIS		5,000				3,000							8,000
	MOTOR VIBRATION ANALYSIS		3,000				1,000							4,000
	PLUMBING SERVICE BUILDINGS		1,500			3,000	1,500	1,000			1,000			8,000
	PUMP MISC INSPECTION AND MODIFICATION		2,000			1,500								3,500
	REPAIR STAINLESS STEEL VALVE, FITTINGS AND MISC PIPES		2,000		500		1,000							3,500
	REPAIR/INSPECTION OF AIR VAC AND PRESS RELIEF & BF VALVES		2,000		800		1,500							4,300
	USA OUTSOURCE UNDERGROUND SERVICE ALERTS		27,000		16,000		32,000							75,000
	USA NOTIFICATION REQUEST FEE		6,000				4,000							10,000
	STOCKING MAINTENANCE PARTS CAGE		3,500	1,500	1,000	1,500	1,500							9,000
	WINDOW AND DOOR REPAIRS AND SUPPLIES		3,000		500	1,500	500							5,500
	VIBRALIGN CALIBRATION & SERVICE		2,000											2,000
	ANNUAL GARAGE DOOR MAINTENANCE		2,500			1,000								3,500
	FUME HOOD CERTIFICATION		500					10,000						10,500
	UE SYSTEMS ULTRASONIC CALIBRATION SERVICE		1,000											1,000
	VACTOR TRUCK SERVICE FOR SCREENINGS SUMP, STORM DRAINS ON SITE		3,000				1,000							4,000
	CHEMICAL TREATMENT FOR HOT WATER LOOPS FOR ADMIN AND LAB					2,000								2,000
	BC WIRE ROPE FALL PROTECTION EQUIPMENT INSPECTION CERTIFICATION		3,000		1,000		500							4,500
	SUNBELT CONTROLS - 1 YEAR SERVICE CONTRACT FOR NEW ADMIN HVAC SOFTWARE CONTROL SYSTEM					7,000								7,000
	FUMIGATION FOR TERMITES OCWD ADMIN AND MWDOC ADMIN BUILDINGS					50,000								50,000
	ROCKWELL TECH CONNECT SUPPORT FOR BOTH MEDIUM AND LOW VOLTAGE DRIVES (NEW ITEM NEEDED FOR ONGOING TECH SUPPORT)		20,000											20,000
	MAINTENANCE STRUCTURE AND IMPROVEMENT - OUTSIDE SERVICES TOTAL	**-**	**406,700**	**1,500**	**25,300**	**517,800**	**57,200**	**80,500**	**-**	**10,000**	**1,000**	**-**	**-**	**1,100,000**
1050.57044	MAINTENANCE STRUCTURE AND IMPROVEMENT - GWRS SCREENINGS													
	SCREENINGS PM		15,000											15,000
	R3 TOC ANALYZER PM VEOLIA (2 NEW TOC ANALYZERS ADDED AT A140 AND A144)		12,000											12,000
	R3 TOC ANALYZER REAGENTS (2 NEW TOC ANALYZERS ADDED AT A140 AND A144)		5,000											5,000
	MAINTENANCE STRUCTURE AND IMPROVEMENT - GWRS SCREENINGS TOTAL	**-**	**32,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**32,000**

GENERAL FUND OPERATING BUDGET FY 25-26
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	EW1	MBI	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	1711	9990	
1050.57031	MAINTENANCE STRUCTURE AND IMPROVEMENT - GWRS MICROFILTRATION													
	MF BACKWASH PUMP PM		5,500											5,500
	MF FILTRATE PUMP PM		12,000	2,000										14,000
	MF PUMP VFD PM/REPAIRS		14,000	1,000										15,000
	MF PCS EQUIPMENT		6,000	500										6,500
	MF CHEMICAL PUMPS		9,500	2,000										11,500
	MF INSTRUMENTATION PM		12,000	1,000										13,000
	MF CHLORINE ANALYZER PM		2,000											2,000
	MF PIPE REPAIRS		21,000	500										21,500
	MF COMPRESSOR PM		12,000											12,000
	MF BLOWER PM		13,000											13,000
	MF CHEMICAL SUMP PUMP REPAIRS		5,000											5,000
	MF HORIBA AMMONIA ANALYZER REPAIRS AND CALIBRATION (NOW 2 ANALYZERS DUE TO ONE ADDED AT A144 FOR GWRSFE)		15,400											15,400
	MF VALVE/ACTUATOR PM		65,000	4,000										69,000
	TRANSFER PUMP, BACKWASH PUMP AND VALVE PM		15,500											15,500
	MISC MF ELEMENT REPLACEMENT NON WARRANTY/TESTING OF NEW (MANUFACTURERS) ELEMENT APPROX. 18 ELEMENTS AT $277 EACH			5,000										5,000
	MAINTENANCE STRUCTURE AND IMPROVEMENT - GWRS MICROFILTRATION TOTAL	**-**	**207,900**	**16,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**223,900**
1050.57032	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS REVERSE OSMOSIS													
	RO FEED PUMP PM		25,000	4,000										29,000
	REPLACE 4 MECHANICAL SEALS RO FEED PUMPS		15,000											15,000
	RO ACID PUMP PM		6,000	1,000										7,000
	RO VFD PM		10,000											10,000
	RO PCS EQUIPMENT		8,000											8,000
	RO INSTRUMENTATION PM		8,000	5,000										13,000
	ANNUAL AMMONIA ANALYZER SENSOR REPLACEMENT (NOW 2 ANALYZERS DUE TO ONE ADDED AT A144 FOR GWRSFE)		6,000											6,000
	RO PRESSURE VESSEL END CAP ORING REPLACEMENT		12,000											12,000
	RO PIPE REPAIRS		25,000	5,000										30,000
	REPLACING RO CLEANING PVC PIPE		25,000											25,000
	TOC ANALYZER CHEMICALS/MISC.		12,000											12,000
	TOC ANALYZER PM (INCREASE NUMBER OF ANALYZERS IN PLANT FROM 4 TO 6 FROM GWRSFE)		84,000											84,000
	RO VALVE ACTUATOR PM		10,000											10,000
	MISC RO MEMBRANES (FULL-SCALE EVALUATIONS)		8,000	5,000										13,000
	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS REVERSE OSMOSIS TOTAL	**-**	**254,000**	**20,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**274,000**
1050.57038	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS UV SYSTEM													
	UV CHEMICAL PUMP PM		6,000											6,000
	UV PCS EQUIPMENT		5,000											5,000
	UV INSTRUMENT PM		5,000											5,000
	UV LAMP ASSEMBLY PM ORINGS END ADAPTERS		6,000											6,000
	UV BALLASTS		15,000											15,000
	UV LAMP REPLACEMENT AND SPARES (PRICE INCREASE TO $228/LAMP AND NOT INCREASED SINCE 2017, 3460 LAMPS ESTIMATED)		900,000											900,000
	UV LAMP RECYCLING FEE		11,000											11,000
	UV QUARTZ SLEEVES		10,000											10,000
	UV TRANSMITTANCE METER PM		4,000											4,000
	UV VALVE ACTUATOR PM		5,000											5,000
	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS UV SYSTEM TOTAL	**-**	**967,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**967,000**
1050.57046	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS LIME SYSTEM													
	LIME MIXING EQUIPMENT PM		8,500											8,500
	POLYMER EQUIPMENT		10,000											10,000
	LIME INSTRUMENTATION		5,000											5,000
	LIME LOOP PUMP PM / SLAKER PM		9,000											9,000
	LIME SLURRY LOOP OPTIMIZATION			2,500										2,500
	LIME 4 INCH SLUDGE LINE PLUMBING PM		10,000											10,000
	LIME SOLIDS HAULING		2,000											2,000
	LIME VALVE PM		4,500											4,500
	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS LIME SYSTEM TOTAL	**-**	**49,000**	**2,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**51,500**

GENERAL FUND OPERATING BUDGET FY 25-26
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	EW1	MBI	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	1711	9990	
1050.57048	MAINT STRUCTURE/IMPROVEMENT - GWRS PRODUCT WATER PUMP STATION													
	VFD PM		3,500											3,500
	MOTOR PM		3,000											3,000
	SPLIT SEAL REPLACEMENT (2 SEALS)		8,000											8,000
	PUMP PM		10,000											10,000
	VALVE PM		6,000											6,000
	INSTRUMENTATION PM		3,000											3,000
	MAINT STRUCTURE/IMPROVEMENT - GWRS PRODUCT WATER PUMP STATION TOTAL	**-**	**33,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**33,500**
1050.57034	MAINTENANCE STRUCTURE/IMPROVEMENT - GREEN ACRES PROJECT													
	GAP EFFLUENT PUMP VFD PM						3,500							3,500
	GAP EFFLUENT MOTOR PM						4,000							4,000
	GAP EFFLUENT PUMP PM						3,000							3,000
	GAP BACKWASH PUMP PM						1,000							1,000
	GAP CHEMICAL PUMP PM						1,500							1,500
	GAP FLOCCULATOR PM						4,000							4,000
	GAP PCS REPAIRS						2,500							2,500
	GAP CL2 ANALYZER PM						2,500							2,500
	GAP INSTRUMENT PM						4,000							4,000
	GAP PIPING REPAIRS						1,500							1,500
	GAP VALVE PM						3,000							3,000
	GAP AIR VAC AND PIPELINE EMERGENCY REPAIRS						4,000							4,000
	GAP CHLORINE MIXER REPAIRS						2,000							2,000
	GAP GRAVITY FILTER SURVEILLANCE INSPECTION						10,000							10,000
	VACUUM TRUCK TO CLEAN BW SUMP						13,000							13,000
	MAINTENANCE STRUCTURE/IMPROVEMENT - GREEN ACRES PROJECT TOTAL	**-**	**-**	**-**	**-**	**-**	**59,500**	**-**	**-**	**-**	**-**	**-**	**-**	**59,500**
1050.57036	MAINTENANCE STRUCTURE/IMPROVEMENT - INJECTION WELLS													
	INJECTION WELL INSTRUMENT PM				4,000									4,000
	REHABILITATE ALL 36 INJECTION WELLS VIA MULTI YEAR MAINTENANCE CONTRACT				250,000									250,000
	INJECTION WELL PCS PM				3,000								1,000	4,000
	REPAIR & RECALIBRATION OF FLOW METERS/INSTRUMENTS/9 MAG METERS				2,500								1,000	3,500
	REPAIR ACCESS HATCHES AND VAULTS				25,000									25,000
	REPAIR OF DOWN-HOLE VALVES AND BF PUMPS				20,000									20,000
	REPAIR/INSPECTION OF SEB 10 INCH BACK FLOW PREVENTION				2,000									2,000
	REPLACEMENT PARTS AND SUPPLIES FOR BARRIER				30,000									30,000
	REPAIR STAINLESS STEEL VALVE, FITTINGS AND MISC PIPES				5,000									5,000
	REPAIR/INSPECTION OF AIR VAC AND PRESS RELIEF & BF VALVES				4,000									4,000
	INJECTION WELL SUMP PUMP PM				3,500									3,500
	BARRIER FIELD EQUIPMENT SUPPLIES REPAIRS				2,000									2,000
	MAINTENANCE FEES TO MAINTAIN M-26 DATA LOGGER				420									420
	MAINTENANCE FOR 3 LASER TURBIDITY METERS				1,500									1,500
	PARTICLE COUNTER MAINTENANCE				1,200									1,200
	MAINTENANCE STRUCTURE/IMPROVEMENT - INJECTION WELLS TOTAL	**-**	**-**	**-**	**354,120**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2,000**	**356,120**
1050.51540	CARTRIDGE FILTERS - REVERSE OSMOSIS													
	REPLACEMENT OF RO PRETREATMENT FILTERS 3 REPLACEMENTS OF 14 HOUSING WITH 283 FILTERS EACH (NOW 16 HOUSING WITH GWRSFE, MATERIAL COST INCREASE)		62,000											62,000
	CARTRIDGE FILTERS - REVERSE OSMOSIS TOTAL	**-**	**62,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**62,000**
1050.51545	SMALL TOOLS													
	TOOLS - OPERATIONS		1,500	300	1,000									2,800
	POWER HAND TOOLS AND INFRARED THERMOMETER		8,000											8,000
	TOOLS - MAINTENANCE		2,500	1,000	1,000	1,500								6,000
	TOOLS - I&E		5,000											5,000
	INSTRUMENT SHOP CALIBRATION EQUIPMENT		3,200		1,500									4,700
	SPECIALIZED TOOLS FOR TREATMENT PROCESS AREAS		4,500											4,500
	SMALL TOOLS TOTAL	**-**	**24,700**	**1,300**	**3,500**	**1,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**31,000**

GENERAL FUND OPERATING BUDGET FY 25-26
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	EW1	MBI	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	1711	9990	
1050.51550	SAFETY SUPPLIES													
	TRAFFIC SAFETY SUPPLIES		1,000		1,000									2,000
	CONFINED SPACE GAS DETECTORS		2,500		1,500									4,000
	CONFINED SPACE BLOWERS		1,500		500									2,000
	CONFINED SPACE RESCUE EQUIPMENT		7,000		500		500							8,000
	PPE FOR EMPLOYEES		3,000	200										3,200
	FULL FACE RESPIRATORS (REPLACE SOME EXISTING THAT ARE SEVERAL YEARS OLD, ADD MORE FOR NEW EMPLOYEES)		5,000											5,000
	RESPIRATOR FILTERS		1,500											1,500
	SCBA TESTING REPAIR		2,000											2,000
	SAFETY EQUIPMENT FOR 12 KV ELECTRICAL SYSTEM PM AND EMERGENCY TESTING		2,500											2,500
	SPILL CONTAINMENT SUPPLIES		4,000	500										4,500
	SAFETY AND OPERATION SIGNS		1,000	200	500									1,700
	SAFETY SUPPLIES TOTAL	**-**	**31,000**	**900**	**4,000**	**-**	**500**	**-**	**-**	**-**	**-**	**-**	**-**	**36,400**
1050.57040	MAINT STRUCTURE/IMPROV - GREEN ACRES INFLUENT PUMP STATION													
	INSTRUMENTATION PM						750							750
	VFD PM						750							750
	MOTOR PM						750							750
	PUMP PM						750							750
	VALVE ACTUATOR PM						500							500
	VALVE PM						500							500
	MAINT STRUCTURE/IMPROVEMENT - GREEN ACRES INFLUENT PUMP STATION TOTAL	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**
1050.57042	MAINTENANCE - SANTA ANA RESERVOIR													
	CHEMICAL PUMP PM						500							500
	INSTRUMENTATION PM						750							750
	MOTOR PM						750							750
	PUMP PM						750							750
	VALVE MOTOR ACTUATOR PM						1,500							1,500
	VALVE PM						750							750
	MAINTENANCE - SANTA ANA RESERVOIR TOTAL	**-**	**-**	**-**	**-**	**-**	**5,000**	**-**	**-**	**-**	**-**	**-**	**-**	**5,000**
1050.54001	CHEMICALS - CHLORINE (NO TAX)													
	GWRS SODIUM HYPOCHLORITE (GWRSFE POORER WATER QUALITY, HIGHER PRODUCTION, MORE USAGE WITH PVDF)		6,400,000	2,000										6,402,000
	GAP INFLUENT AND CL CONTACT SODIUM HYPOCHLORITE (1275 TONS) - 20% PRICE DECREASE						270,000							270,000
	CHEMICALS - CHLORINE (NO TAX) TOTAL	**-**	**6,400,000**	**2,000**	**-**	**-**	**270,000**	**-**	**-**	**-**	**-**	**-**	**-**	**6,672,000**
1050.54060	CHEMICALS - ANHYDROUS AMMONIA (TAX)													
	GAP CL CONTACT AMMONIA						2,500							2,500
	CHEMICALS - ANHYDROUS AMMONIA TOTAL	**-**	**-**	**-**	**-**	**-**	**2,500**	**-**	**-**	**-**	**-**	**-**	**-**	**2,500**
1050.54045	CHEMICALS - POST TREATMENT HYDRATED LIME (NO TAX)													
	HYDRATED LIME (UNIT PRICE INCREASE EXPECTED WHEN CONTRACT EXPIRES IN APRIL 2025, HIGHER PRODUCTION GWRSFE)		1,800,000											1,800,000
	CHEMICALS - POST TREATMENT HYDRATED LIME (NO TAX) TOTAL	**-**	**1,800,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,800,000**
1050.54050	CHEMICALS - HYDROGEN PEROXIDE UV (NO TAX)													
	HYDROGEN PEROXIDE UV 8% PRICE DECREASE DEC. 2023; INCREASE DOSE VIA DDW TO 4 MG/L		600,000											600,000
	CHEMICALS - HYDROGEN PEROXIDE UV (NO TAX) TOTAL	**-**	**600,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**600,000**
1050.54055	CHEMICALS - SODIUM BISULFITE (TAX)													
	SODIUM BISULFITE RO FLUSH AND SAR DISCHARGE (25 TONS)		7,000											7,000
	CHEMICALS - SODIUM BISULFITE (TAX) TOTAL	**-**	**7,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**7,000**
1050.54015	CHEMICALS - POLYMER (TAX)													
	ANIONIC POLYMER LIME SATURATOR (17 TONS) - (UNIT PRICE INCREASE BASED ON BULK VS. TOTAL DELIVERY PRICE)		70,000											70,000
	CHEMICALS - POLYMER (TAX) TOTAL	**-**	**70,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**70,000**
1050.54020	CHEMICALS - GWRS REVERSE OSMOSIS SULFURIC ACID (NO TAX)													
	SULFURIC ACID OPERATING WITH SEASONAL ADJUSTMENTS BETWEEN PH (2,900 TONS) 6.9 PH (9% UNIT PRICE DECREASE AND INCREASE FOR OC SAN WATER QUALITY)		500,000	1,500										501,500
	CHEMICALS - GWRS REVERSE OSMOSIS SULFURIC ACID (NO TAX) TOTAL	**-**	**500,000**	**1,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**501,500**

GENERAL FUND OPERATING BUDGET FY 25-26
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	EW1	MBI	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	1711	9990	
1050.54025	CHEMICALS - GWRS REVERSE OSMOSIS ANTISCALANT (NO TAX)													
	RO ANTISCALANT (510 TONS) - (DOSAGE 3.0 PPM, INCREASED PRODUCTION)		1,500,000											1,500,000
	CHEMICALS - GWRS REVERSE OSMOSIS ANTISCALANT (NO TAX) TOTAL	-	**1,500,000**	-	-	-	-	-	-	-	-	-	-	**1,500,000**
1050.54030	CHEMICALS - GWRS MF CLEANING CHEMICALS (TAX)													
	MF MEMBRANE CLEANING CHEMICALS CAUSTIC		360,000											360,000
	MF MEMBRANE CLEANING CHEMICALS CITRIC (700 TONS) - (POORER OC SAN QUALITY, MORE PVDF CELLS)		1,300,000											1,300,000
	MF PROPRIETARY CLEANING CHEMICAL STUDY			1,000										1,000
	MF MEMCLEAN		43,000											43,000
	CHEMICALS - GWRS MF CLEANING CHEMICALS (TAX) TOTAL	-	**1,703,000**	**1,000**	-	-	-	-	-	-	-	-	-	**1,704,000**
1050.54033	CHEMICALS - GWRS RO CLEANING CHEMICALS (TAX)													
	RO MEMBRANE CITRIC (50 TONS) 56% UNIT PRICE DECREASE IN DEC. 2023		80,000											80,000
	RO MEMBRANE CAUSTIC (25 TONS) UNIT PRICE DECREASE 22% IN DEC. 2023		12,000											12,000
	RO CLEANING CHEMICAL STUDY			500										500
	RO MEMBRANE PROPRIETARY CLEANING CHEMICALS 21 FULL UNIT CLEANINGS (ADDED 30% MORE RO UNITS TO CLEAN FROM 21 TO 27)		500,000	500										500,500
	CHEMICALS - GWRS RO CLEANING CHEMICALS (TAX) TOTAL	-	**592,000**	**1,000**	-	-	-	-	-	-	-	-	-	**593,000**
1050.54040	CHEMICALS GAP ALUM													
	PRETREATMENT COAGULANT (21 TONS), PRICE INCREASE EXPECTED						15,000							15,000
	CHEMICALS GAP ALUM TOTAL	-	-	-	-	-	**15,000**	-	-	-	-	-	-	**15,000**
1050.51555	LAB SUPPLIES													
	CALIBRATION STANDARDS FOR BARRIER FIELD EQUIPMENT		20,000		600									20,600
	CHEMICALS AND SUPPLIES		2,500											2,500
	LABORATORY DI WATER SYSTEM		1,400											1,400
	PEROXIDE AND CHLORINE TEST STRIPS		2,500											2,500
	NEW HANDHELD EC PH METERS (2)		2,000											2,000
	LAB SUPPLIES TOTAL	-	**28,400**	-	**600**	-	-	-	-	-	-	-	-	**29,000**
1050.51560	LAB SAMPLES ANALYSIS													
	GENERAL LAB ANALYSIS BY OUTSIDE LAB		3,000	2,000										5,000
	LAB SAMPLES ANALYSIS TOTAL	-	**3,000**	**2,000**	-	-	-	-	-	-	-	-	-	**5,000**
1050.51565	RENT EQUIPMENT- GENERAL													
	RENTAL OF EQUIPMENT FOR PM PROJECTS		5,000											5,000
	RENT EQUIPMENT - GENERAL TOTAL	-	**5,000**	-	-	-	-	-	-	-	-	-	-	**5,000**
1050.54501	UTILITIES - ELECTRICITY (OFFSITE & MISC ELECTRICAL METERS)													
	GAP CATHODIC PROTECTION						5,000							5,000
	GAP DEEP WELL WATER ELECTRICITY (DEPENDS ON IRWD SWITCHOVER PERIOD)						30,000							30,000
	GAP INFLUENT PUMPING ELECTRICITY (DEPENDS ON IRWD SWITCHOVER PERIOD)						40,000							40,000
	GAP SANTA ANA RESERVOIR PUMP STATION POWER (CNE/SCE) (DEPENDS ON IRWD SWITCHOVER PERIOD)						200,000							200,000
	EW-1 WELL POWER											50,000		50,000
	MID BASIN INJECTION WELLS (5 WELLS)												150,000	150,000
	TALBERT BARRIER INJECTION WELLS				12,000									12,000
	UTILITIES - ELECTRICITY (OFFSITE & MISC ELECTRICAL METERS) TOTAL	-	-	-	**12,000**	-	**275,000**	-	-	-	-	**50,000**	**150,000**	**487,000**
1050.54505	UTILITIES - ELECTRICITY (66KV FV SITE SCE)													
	ADMIN BLDG ELECTRICITY (NEW DA CONTRACT PRICE INCREASES FOR 2025 TO 2026)					52,000								52,000
	MWDOC BLDG ELECTRICITY (NEW DA CONTRACT PRICE INCREASES 2025 TO 2026)					50,000								50,000
	WAREHOUSE, ANNEX & MAINTENANCE SHOPS		184,000											184,000
	LABORATORY							350,000						350,000
	SCREENINGS		15,000											15,000
	MICROFILTRATION (GWRSFE GOES FROM 36 TO 48 CELLS OR 33% MORE MF, PLUS UNIT PRICE OF POWER INCREASE)		6,500,000											6,500,000
	REVERSE OSMOSIS (30% MORE RO CAPACITY PLUS WATER QUALITY DECREASE /		11,000,000											11,000,000
	UV SYSTEM ELECTRICITY (PRICE INCREASE PLUS MORE CAPACITY)		1,900,000											1,900,000
	DECARB		175,000											175,000
	CHEMICAL FEED/LIME SYSTEM		23,000											23,000
	PRODUCT WATER PUMP STATION (30% MORE PUMPING WITH GWRSFE)		6,500,000											6,500,000
	BARRIER PUMP STATION		675,000											675,000
	UTILITIES - ELECTRICITY (66KV FV SITE SCE) TOTAL	-	**26,972,000**	-	-	**102,000**	-	**350,000**	-	-	-	-	-	**27,424,000**

GENERAL FUND OPERATING BUDGET FY 25-26
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	EW1	MBI	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	1711	9990	
1050.54505.250	UTILITIES ELECTRICAL CURTAILMENT POWER CREDITS													
	ESTIMATED PAYMENTS ENEL X $900,000		(1,000,000)											(1,000,000)
	UTILITIES ELECTRICAL CURTAILMENT POWER CREDITS TOTAL	**-**	**(1,000,000)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**(1,000,000)**
1050.54510	UTILITIES - GAS													
	NATURAL GAS FOR HVAC OFFICES & ANNEX BUILDING					18,000								18,000
	NATURAL GAS FOR LABORATORY							85,000						85,000
	UTILITIES - GAS TOTAL	**-**	**-**	**-**	**-**	**18,000**	**-**	**85,000**	**-**	**-**	**-**	**-**	**-**	**103,000**
1050.54515	UTILITIES - WATER													
	POTABLE WATER AND INDUSTRIAL WATER		195,000											195,000
	UTILITIES - WATER TOTAL	**-**	**195,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**195,000**
1050.51102	MEMBERSHIPS/CERTIFICATION FEES													
	MEHUL - WEF, AWWA, ASCE MEMBERSHIP FEES		800	200										1,000
	JANICE - IAAP MEMBERSHIP (CAP CERT RENEWAL)		150											150
	JOHN - NGWA				250									250
	ISA MEMBERSHIP (4) FOR SCADA ICS CYBERSECURITY									600				600
	OPERATOR & MAINTENANCE CERTIFICATION FEES ($1900 MORE FOR OPS)		11,400											11,400
	MEMBERSHIPS/CERTIFICATION FEES TOTAL	**-**	**12,350**	**200**	**250**	**-**	**-**	**-**	**-**	**600**	**-**	**-**	**-**	**13,400**
1050.51192	TECHNICAL TRAINING													
	DELTA V PROCESS CONTROL TRAINING (2 NEW SENIOR TECHS)		10,000											10,000
	I&E MEDIUM VOLTAGE SAFETY TRAINING CLASSES (Every 3 years)		8,000											8,000
	MANAGEMENT TRAINING		1,500											1,500
	MAINTENANCE TRAINING		4,000											4,000
	ADMINISTRATIVE CERTIFICATION		250											250
	WPG TRAINING LIBRARY			400										400
	OPERATOR CERTIFICATION CLASSES		5,000											5,000
	ON SITE O&M TECHNICAL TRAINING		1,500											1,500
	CRANE TRAINING/RIGGING AND SIGNALING		2,000											2,000
	ULTRASONIC MONITOR TRAINING & CERTIFICATION		2,500											2,500
	CSRT TRAINING		5,000											5,000
	WATER DISTRIBUTION TRAINING BARRIER STAFF				500									500
	TECHNICAL TRAINING TOTAL	**-**	**39,750**	**400**	**500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**40,650**
1050.51112	SPECIAL DEPARTMENT EXPENSE													
	CONSULTING SERVICE PERMITS		2,000											2,000
	SCAQMD AND CITY PERMIT FEES		14,000											14,000
	CITY OF FOUNTAIN VALLEY ENCROACHMENT PERMITS				4,200									4,200
	UNITED PARCEL SERVICE		1,000											1,000
	ORANGE COUNTY PUBLIC FACILITIES PERMIT				10,000									10,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**-**	**17,000**	**-**	**14,200**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**31,200**
1050.56026	LADPW CURRENT EXPENSE													
	LADPW BARRIER (NUMBER COMES FROM ROY HERNDON)								1,450,000					1,450,000
	LADPW CURRENT EXPENSE TOTAL	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,450,000**	**-**	**-**	**-**	**-**	**1,450,000**
	WATER PRODUCTION GRAND TOTAL	**1,821,626**	**49,768,322**	**419,258**	**1,105,099**	**1,074,690**	**1,720,153**	**764,985**	**1,472,129**	**339,316**	**166,169**	**138,248**	**322,076**	**59,112,071**

GENERAL FUND OPERATING BUDGET FY 25-26
RECHARGE OPERATIONS (1060)

JDE ACCOUNT NUMBER	DESCRIPTION	General	GWRS	Forebay O&M	Prado O&M	Total
	ACTIVITY CODE	9900	9922	9920	9924	
	SALARIES AND BENEFITS					
1060.50104	REGULAR SALARIES	126,117	243,885	1,474,852	421,822	2,266,676
1060.50106	OVERTIME	5,735	11,413	77,481	20,076	114,705
1060.50210	PAYROLL TAX	1,967	3,811	23,057	6,791	35,626
1060.50202	RETIREMENT	21,806	42,213	256,992	72,546	393,557
1060.50203	457 RETIREMENT MATCH	3,738	6,825	42,738	11,700	65,001
1060.50204	HEALTH INSURANCE	30,592	59,661	368,862	106,616	565,731
1060.50206	WORKERS' COMPENSATION	2,397	5,034	30,673	8,579	46,683
	SALARIES AND BENEFITS TOTAL	**192,352**	**372,842**	**2,274,655**	**648,130**	**3,487,979**
1060.51102	MEMBERSHIPS					
	STATE OF CALIFORNIA PESTICIDE LICENSE (1 STAFF)	300				300
	CWEA MEMBERSHIP FOR CERTIFICATION (4 STAFF)	500				500
	ANNUAL BACKFLOW CERTIFICATION AND MEMBERSHIP (2 STAFF)	400				400
	PROFESSIONAL ORGANIZATION MEMBERSHIPS AND MEETINGS	200				200
	WATER DISTRIBUTION CERTIFICATIONS (4 STAFF)	200				200
	PROFESSIONAL ENGINEER LICENSURE (1 STAFF)	200				200
	MEMBERSHIPS TOTAL	**1,800**	**-**	**-**	**-**	**1,800**
1060.51112	SPECIAL DEPARTMENT EXPENSE					
	TRANSPORTATION FEES			500		500
	SOUTH COAST AQMD PERMIT & FEES			2,000		2,000
	CITY FIRE INSPECTION			200		200
	PERP			1,900		1,900
	CITY OF ANAHEIM CUPA (UST)			2,900		2,900
	STATE CRANE CERTIFICATION			1,000		1,000
	DMV REQ FOR CLASS A HOLDERS			500		500
	SPECIAL DEPARTMENT EXPENSE TOTAL	**-**	**-**	**9,000**	**-**	**9,000**
1060.51192	EDUCATIONAL TRAINING					
	BACKFLOW TRAINING (2 STAFF)	1,000				1,000
	DISTRIBUTION OPERATOR EXAM AND PREP	500				500
	PESTICIDE APPLICATORS PROFESSIONAL ASSOCIATION WORKSHOPS	400				400
	PRYOR MEMBERSHIP (5 STAFF)	1,500				1,500
	TRAINING FOR PERMITS	700				700
	CRANE TRAINING	8,000				8,000
	MISCELLANEOUS TRAINING (21 STAFF)	3,000				3,000
	MAINTENANCE CERTIFICATION TRAINING (3 STAFF)	600				600
	SCADA, WONDERWARE TRAINING	1,000				1,000
	EDUCATIONAL TRAINING TOTAL	**16,700**	**-**	**-**	**-**	**16,700**
1060.51501	OFFICE EXPENSE - GENERAL					
	BASIC OFFICE SUPPLIES (PAPER, INK, CALENDARS, BATTERIES, MAILING), KITCHEN SUPPLIES	4,000				4,000
	COPIER EXPENSES	1,500				1,500
	CATERING MEETINGS (CORPS., TRAINING)	4,000				4,000
	MAPS	1,000				1,000
	OFFICE EXPENSE - GENERAL TOTAL	**10,500**	**-**	**-**	**-**	**10,500**

GENERAL FUND OPERATING BUDGET FY 25-26
RECHARGE OPERATIONS (1060)

JDE ACCOUNT NUMBER	DESCRIPTION	General	GWRS	Forebay O&M	Prado O&M	Total
	ACTIVITY CODE	9900	9922	9920	9924	
1060.51510	HARDWARE/SOFTWARE					
	REMOTE ACCESS TO PLC PROGRAMMING			15,000		15,000
	SCADA HARDWARE AND SOFTWARE			10,000		10,000
	HARDWARE/SOFTWARE TOTAL	**-**	**-**	**25,000**	**-**	**25,000**
1060.51520	GAS AND DIESEL					
	GASOLINE AND DIESEL			55,000		55,000
	GAS AND DIESEL TOTAL	**-**	**-**	**55,000**	**-**	**55,000**
1060.51521	FUEL - OFF ROAD					
	DIESEL FUEL (OFF-ROAD)			90,000		90,000
	FUEL - OFF ROAD TOTAL	**-**	**-**	**90,000**	**-**	**90,000**
1060.51530	UNIFORMS					
	UNIFORM SERVICES, SHIRTS/JACKETS			20,000		20,000
	UNIFORMS TOTAL	**-**	**-**	**20,000**	**-**	**20,000**
1060.51545	SMALL TOOLS					
	MAINTENANCE AND HYDROGRAPHY OPERATIONS			600		600
	MAINTENANCE OPERATIONS			1,700		1,700
	SMALL TOOLS FOR H.E. MECHANIC & MAINTENANCE			1,700		1,700
	SMALL TOOLS TOTAL	**-**	**-**	**4,000**	**-**	**4,000**
1060.51550	SAFETY SUPPLIES					
	SAFETY EQUIPMENT, I.E., SAFETY GOGGLES, GLOVES, RESPIRATORS, EAR PROTECTORS, AIR MONITORING, TRAFFIC, AND CONFINED SPACE EQUIPMENT			3,000		3,000
	FIRE EXTINGUISHER MAINTENANCE			1,200		1,200
	ANNUAL FALL PROTECTION			1,200		1,200
	CONFINED SPACE SAFETY EQUIPMENT			1,600		1,600
	SAFETY SUPPLIES TOTAL	**-**	**-**	**7,000**	**-**	**7,000**
1060.51565	RENT EQUIPMENT - GENERAL					
	TRENCHERS, TAMPERS, DEWATERING EQUIPMENT, ETC.			1,000		1,000
	RENT EQUIPMENT - GENERAL TOTAL	**-**	**-**	**1,000**	**-**	**1,000**
1060.51570	RENT EQUIPMENT - HEAVY EQUIPMENT					
	RENTAL CRANE, MAN LIFT, SCRAPERS, ETC.			10,000		10,000
	RENT EQUIPMENT - HEAVY EQUIPMENT TOTAL	**-**	**-**	**10,000**	**-**	**10,000**
1060.53001	PROFESSIONAL SERVICES					
	SCADA MAINTENANCE AND TECHNOLOGY			20,000		20,000
	SCADA WONDERWARE AND TOPWORKS SUPPORT			15,000		15,000
	SCADA THREAT DETECTION SUPPORT			10,000		10,000
	SITEWIDE ELECTRICAL MAINTENANCE			15,000		15,000
	CATHODIC PROTECTION SYSTEM SUPPORT			10,000		10,000
	EMISSIONS REGULATORY CONSULTANT			10,000		10,000
	PROFESSIONAL SERVICES TOTAL	**-**	**-**	**80,000**	**-**	**80,000**

GENERAL FUND OPERATING BUDGET FY 25-26
RECHARGE OPERATIONS (1060)

JDE ACCOUNT NUMBER	DESCRIPTION	General	GWRS	Forebay O&M	Prado O&M	Total
	ACTIVITY CODE	9900	9922	9920	9924	
1060.53015	TEMPORARY LABOR					
	ON CALL LANDSCAPE MAINTENANCE SERVICES			10,000		10,000
	TEMPORARY LABOR TOTAL	**-**	**-**	**10,000**	**-**	**10,000**
1060.54010	HERBICIDE/CHEMICALS					
	HERBICIDE (WEED KILLER)			3,500		3,500
	HERBICIDE/CHEMICALS TOTAL	**-**	**-**	**3,500**	**-**	**3,500**
1060.54501	UTILITIES - ELECTRICITY					
	ANAHEIM LAKE DEWATER/TRANSFER			75,000		75,000
	BURRIS BASIN PUMP STATION			1,000,000		1,000,000
	KRAEMER/MILLER PUMPS			50,000		50,000
	SANTIAGO BASIN PUMP STATION			25,000		25,000
	WARNER PUMPS			10,000		10,000
	ALL OTHER (RUBBER DAMS, FHQ, VALVES, METERS, ETC.)			60,000		60,000
	UTILITIES - ELECTRICITY TOTAL	**-**	**-**	**1,220,000**	**-**	**1,220,000**
1060.54515	UTILITIES - WATER					
	GENERAL (FHQ, SANTIAGO BASIN, BURRIS PS, WARNER, KRAEMER, ETC.)			44,000		44,000
	UTILITIES - WATER TOTAL	**-**	**-**	**44,000**	**-**	**44,000**
1060.57001	MAINTENANCE-SUPPLIES & MATERIAL- ELECT					
	MOTOR, PUMP WAREHOUSE SUPPLIES			5,000		5,000
	UPS SYSTEM REPAIRS			2,000		2,000
	ELECTRICAL WAREHOUSE SUPPLIES			3,000		3,000
	INSTRUMENTATION PARTS AND SUPPLIES			6,000		6,000
	LIGHTING & EMERGENCY, LIGHT SUPPLIES			2,000		2,000
	OFFICE ELECTRICAL & LIGHTING REPAIRS			2,000		2,000
	MAINT.-SUPPLIES & MATERIAL-ELECT TOTAL	**-**	**-**	**20,000**	**-**	**20,000**
1060.57006	MAINTENANCE EQUIPMENT COMMUNICATION					
	REPAIR AND REPLACEMENT OF MOBILE RADIOS			2,000		2,000
	MONITOR REPLACEMENTS			1,000		1,000
	MAINTENANCE EQUIPMENT COMMUNICATION TOTAL	**-**	**-**	**3,000**	**-**	**3,000**
1060.57010	MAINTENANCE EQUIPMENT VEHICLES					
	TRUCK SCHEDULED AND UNSCHEDULED REPAIRS, TIRES, BELTS, ETC.			35,000		35,000
	ANNUAL SMOG AND PSIP			5,000		5,000
	ANNUAL DIAGNOSTIC SOFTWARE UPDATE			2,000		2,000
	MAINTENANCE EQUIPMENT VEHICLES TOTAL	**-**	**-**	**42,000**	**-**	**42,000**

GENERAL FUND OPERATING BUDGET FY 25-26
RECHARGE OPERATIONS (1060)

JDE ACCOUNT NUMBER	DESCRIPTION	General	GWRS	Forebay O&M	Prado O&M	Total
	ACTIVITY CODE	9900	9922	9920	9924	
1060.57011	MAINTENANCE EQ - GROUNDS					
	FENCE REPAIR			30,000		30,000
	LANDSCAPE MAINTENANCE/TREE TRIMMING			60,000		60,000
	LANDSCAPE MAINTENANCE/WARNER BASIN			80,000		80,000
	LANDSCAPE MAINTENANCE/SANTIAGO BIKE TRAIL			50,000		50,000
	LANDSCAPE MAINTENANCE/MULCH			25,000		25,000
	ANNUAL SMITH BASIN SLOPE CLEARING			15,000		15,000
	IMPERIAL PROPERTY MOWING			60,000		60,000
	INSECT/RODENT CONTROL			15,000		15,000
	MAINTENANCE EQ - GROUNDS TOTAL	**-**	**-**	**335,000**	**-**	**335,000**
1060.57012	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT					
	GENERAL HEAVY EQUIPMENT PM AND REPAIRS			24,000		24,000
	ANNUAL ET DIAGNOSITIC SOFTWARE FOR CAT			1,500		1,500
	ANNUAL ET DIAGNOSTIC SOFTWARE FOR JOHN DEER			3,000		3,000
	PARTS UNDERCARRIAGE REPAIRS			20,000		20,000
	PARTS FOR HEAVY EQUIPMENT GROUND ENGAGING TOOLS			20,000		20,000
	OIL AND LUBRICANT			20,000		20,000
	OIL ANALYSIS			4,000		4,000
	OFF ROAD TIRES			7,500		7,500
	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT TOTAL	**-**	**-**	**100,000**	**-**	**100,000**
1060.57016	MAINTENANCE STRUCTURE AND IMPROVEMENTS - GENERAL					
	GENERAL MAINTENANCE PARTS & REPAIRS			20,000		20,000
	FISH DISPOSAL (2 CLEANINGS)			10,000		10,000
	FLOWMETER AND INSTRUMENTATION MAINTENANCE			15,000		15,000
	MOTOR ACTUATOR/LIMITORQUE SERVICE			25,000		25,000
	MOTOR VIBRATION ANALYSIS			5,000		5,000
	FHQ AND FRL BUILDINGS HVAC PM AND REPAIRS			10,000		10,000
	FHQ 9 AIR COMPRESSORS PM AND CERTIFICATION			3,000		3,000
	FHQ CRANE INSPECTION			5,000		5,000
	UST SERVICE			10,000		10,000
	GASES (WESTAIR)			5,000		5,000
	PAINTING STRUCTURES			5,000		5,000
	JANITORIAL			30,000		30,000
	PLANT SERVICE			2,000		2,000
	FHQ FITNESS CENTER			2,000		2,000
	PORTABLE RESTROOM RENTALS			3,000		3,000
	MAINTENANCE STRUCTURE AND IMPROVEMENTS - GENERAL TOTAL	**-**	**-**	**150,000**	**-**	**150,000**

GENERAL FUND OPERATING BUDGET FY 25-26
RECHARGE OPERATIONS (1060)

JDE ACCOUNT NUMBER	DESCRIPTION	General	GWRS	Forebay O&M	Prado O&M	Total
	ACTIVITY CODE	9900	9922	9920	9924	
1060.57017	MAINTENANCE					
	TRASH RACK IMPERIAL			1,000		1,000
	RUBBER DAM IMPERIAL			1,000		1,000
	TRASH RACK 5 COVES			1,000		1,000
	RUBBER DAM 5 COVES			1,000		1,000
	LA JOLLA TRASH RACK			500		500
	INSTRUMENTATION PM			6,000		6,000
	VALVE AND ACTUATOR PM			6,000		6,000
	PUMP AND MOTOR PM			6,000		6,000
	VFD AND SOFT START PM			50,000		50,000
	AIR VAC PM			1,000		1,000
	FLOW METER PM			2,000		2,000
	SURGE TANK PM			500		500
	15' FLUME CALIBRATION - REQUIRED BY STATE WATER BOARD			2,000		2,000
	HVAC PM AND BUILDING FILTER CHANGE			1,500		1,500
	SOFT START PM			500		500
	MAINTENANCE TOTAL	**-**	**-**	**80,000**	**-**	**80,000**
	RECHARGE OPERATIONS GRAND TOTAL	**221,352**	**372,842**	**4,583,155**	**648,130**	**5,825,479**

GENERAL FUND OPERATING BUDGET FY 25-26
WETLAND OPERATIONS (1062)

JDE Account Number	Description	General	GWRS	Prado O&M	FHQ O&M	Total
	ACTIVITY CODE	9900	9922	9924	9920	
	SALARIES & BENEFITS					
1062.50104	REGULAR SALARIES	15,223	13,092	179,653	32,576	240,544
1062.50106	OVERTIME	237	237	3,795	474	4,743
1062.50210	PAYROLL TAXES	224	193	2,660	479	3,556
1062.50202	RETIREMENT	2,574	2,219	30,544	5,503	40,840
1062.50203	457 RETIREMENT MATCH	325	325	5,200	650	6,500
1062.50204	HEALTH INSURANCE	1,366	1,342	21,130	2,756	26,594
1062.50206	WORKERS' COMPENSATION	258	247	3,811	526	4,842
	SALARIES & BENEFITS TOTAL	**20,207**	**17,655**	**246,793**	**42,964**	**327,619**
1062.51204	MISCELLANEOUS EXPENSES					
	MISCELLANEOUS EXPENSES			1,000		1,000
	MISCELLANEOUS EXPENSES TOTAL	**-**	**-**	**1,000**	**-**	**1,000**
1062.51501	OFFICE EXPENSE - GENERAL					
	OFFICE AND KITCHEN SUPPLIES, FED-EX			500		500
	PRINTER AND COMPUTER EQUIPMENT			500		500
	OFFICE EXPENSE - GENERAL TOTAL	**-**	**-**	**1,000**	**-**	**1,000**
1062.51520	GAS & DIESEL FUEL					
	GASOLINE AND DIESEL FUEL FOR ON-ROAD VEHICLES			6,500		6,500
	GAS & DIESEL FUEL TOTAL	**-**	**-**	**6,500**	**-**	**6,500**
1062.51521	FUEL - OFF ROAD					
	FUEL - OFF ROAD			50,000		50,000
	FUEL - OFF ROAD TOTAL	**-**	**-**	**50,000**	**-**	**50,000**
1062.51530	UNIFORMS & SAFETY					
	UNIFORMS AND BOTTLED WATER			4,000		4,000
	UNIFORMS & SAFETY TOTAL	**-**	**-**	**4,000**	**-**	**4,000**

GENERAL FUND OPERATING BUDGET FY 25-26
WETLAND OPERATIONS (1062)

JDE Account Number	Description	General	GWRS	Prado O&M	FHQ O&M	Total
	ACTIVITY CODE	9900	9922	9924	9920	
1062.51545	SMALL TOOLS					
	MISCELLANEOUS HAND TOOLS (DRILLS, HAMMERS, WRENCHES, SOCKETS, AND SAWS)			1,000		1,000
	SMALL TOOLS TOTAL	**-**	**-**	**1,000**	**-**	**1,000**
1062.51550	SAFETY SUPPLIES					
	SAFETY SUPPLIES			600		600
	SAFETY SUPPLIES TOTAL	**-**	**-**	**600**	**-**	**600**
1062.51565	EQUIPMENT RENTAL - GENERAL					
	RENT SMALL CONSTRUCTION EQUIPMENT			500		500
	EQUIPMENT RENTAL - GENERAL TOTAL	**-**	**-**	**500**	**-**	**500**
1062.51570	EQUIPMENT RENTAL - HEAVY EQUIPMENT					
	VEGETATION CONTROL			25,000		25,000
	RENT EXCAVATOR, AND OTHER EQUIPMENT (DOZERS, WATER TRUCKS AND MOWERS)			45,000		45,000
	EQUIPMENT RENTAL - HEAVY EQUIPMENT TOTAL	**-**	**-**	**70,000**	**-**	**70,000**
1062.53015	TEMPORARY LABOR					
	TEMPORARY LABOR FOR PRADO			2,000		2,000
	TEMPORARY LABOR TOTAL	**-**	**-**	**2,000**	**-**	**2,000**
1062.54035	CHEMICALS					
	HERBICIDES FOR ARUNDO CONTROL			500		500
	CHEMICALS TOTAL	**-**	**-**	**500**	**-**	**500**
1062.54501	UTILITIES - ELECTRICITY					
	ELECTRICAL UTILITIES			9,000		9,000
	UTILITIES - ELECTRICITY TOTAL	**-**	**-**	**9,000**	**-**	**9,000**

GENERAL FUND OPERATING BUDGET FY 25-26
WETLAND OPERATIONS (1062)

JDE Account Number	Description	General	GWRS	Prado O&M	FHQ O&M	Total
	ACTIVITY CODE	9900	9922	9924	9920	
1062.57004	MAINTENANCE EQUIPMENT - GENERAL					
	REPAIR OF SMALL TOOLS, WQ EQUIPMENT, FLOW METERS, SENSORS, ETC.			1,000		1,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**-**	**-**	**1,000**	**-**	**1,000**
1062.57010	MAINTENANCE EQUIPMENT - VEHICLES					
	TRUCK MAINTENANCE AND ROUTINE REPAIRS			20,000		20,000
	MAINTENANCE EQUIPMENT - VEHICLES TOTAL	**-**	**-**	**20,000**	**-**	**20,000**
1062.57012	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT					
	REPAIRS (GREASE, OIL, AIR FILTERS, HYDRAULICS, BELT)			35,000		35,000
	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT TOTAL	**-**	**-**	**35,000**	**-**	**35,000**
1062.57016	MAINT STRUCTURE & IMPROVEMENT - GENERAL					
	A/C MAINTENANCE, SUPPLIES & REPAIRS			4,000		4,000
	ROCK FOR ROAD & LEVEE STABILIZATION			2,000		2,000
	GEO-CLOTH & GABIONS			1,000		1,000
	ELECTRICAL REPAIRS			1,000		1,000
	MISCELLANEOUS, RADIO AND EMERGENCY REPAIRS			4,500		4,500
	MOSQUITO AND VECTOR CONTROL			25,000		25,000
	SECURITY MAINTENANCE, FENCES, GATES, CAMERAS, REMOTE SENSING			1,000		1,000
	TRAILER MAINTENANCE & REPAIRS			3,000		3,000
	FENCING MODIFICATIONS			500		500
	JANITORIAL AND SUPPLIES SERVICE			8,000		8,000
	MAINT STRUCTURE & IMPROVEMENT - GENERAL TOTAL	**-**	**-**	**50,000**	**-**	**50,000**
	WETLAND OPERATIONS GRAND TOTAL	**20,207**	**17,655**	**498,893**	**42,964**	**579,719**

GENERAL FUND OPERATING BUDGET FY 25-26
PROPERTY MANAGEMENT (1069)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
	SALARIES & BENEFITS		
1069.50104	REGULAR SALARIES	141,047	141,047
1069.50210	PAYROLL TAXES	2,045	2,045
1069.50202	RETIREMENT	23,484	23,484
1069.50203	457 RETIREMENT MATCH	3,250	3,250
1069.50204	HEALTH INSURANCE	16,005	16,005
1069.50206	WORKERS' COMPENSATION	691	691
	SALARIES & BENEFITS TOTAL	**186,522**	**186,522**
1069.53001	PROFESSIONAL SERVICES		
	REAL ESTATE SERVICES (APPRAISAL, SURVEYING, TITLE, ETC.)	10,000	10,000
	PROFESSIONAL SERVICES TOTAL	**10,000**	**10,000**
1069.51501	OFFICE EXPENSES - GENERAL		
	OFFICE SUPPLIES INCLUDING SMALL DESK SUPPLIES, REPROGRAPHICS, FILE CABINETS	500	500
	OFFICES EXPENSES - GENERAL TOTAL	**500**	**500**
1069.51520	GAS & DIESEL FUEL		
	FUEL FOR DISTRICT VEHICLES	250	250
	GAS & DIESEL FUEL TOTAL	**250**	**250**
1069.56022	TAXES & ASSESSMENTS		
	ORANGE COUNTY SEWER & MWD FEES AND ASSESSMENTS	39,250	39,250
	RIVERSIDE PROPERTY TAX & ASSESSMENTS	37,670	37,670
	SAN BERNARDINO PROPERTY TAX & ASSESSMENTS	566	566
	TAXES & ASSESSMENTS TOTAL	**77,486**	**77,486**
1069.57016	MAINTENANCE STRUCTURE AND IMPROVEMENTS - GENERAL		
	PROPERTY FENCES, GATES, LOCKS, MISCELLANEOUS REPAIRS, DISPOSAL SERVICES	500	500
	MAINTENANCE STRUCTURE AND IMPROVEMENTS - GENERAL TOTAL	**500**	**500**

GENERAL FUND OPERATING BUDGET FY 25-26
PROPERTY MANAGEMENT (1069)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1069.51112	SPECIAL DEPARTMENT EXPENSE		
	UNITED PARCEL SERVICE	200	200
	SPECIAL DEPARTMENT EXPENSE TOTAL	**200**	**200**
1069.51206	LICENSES AND PERMITS		
	EDISON PIPELINE LICENSE ACCOUNT 2097 OLD SEAWATER LINE (RESO 72-1-5 / NO RENT INCREASE)	1,165	1,165
	GAP EDISON PIPELINE LICENSE ACCOUNT 9.4068 (FORMALLY #2110) (ADAMS, SAR, GARFIELD, HB)	25,115	25,115
	GAP EDISON PIPELINE LICENSE ACCOUNT 9.4172 (FORMALLY #3272) (GARFIELD, WARD)	14,705	14,705
	LICENSE WITH MWD FOR SANTIAGO CREEK RECHARGE ENHANCEMENT PROJECT (DOCUMENT # R.L. 2832)	1,670	1,670
	LEASE AGREEMENT WITH OC FLOOD CONTROL DISTRICT MID-BASIN INJECTION (CPI ADJUSTMENT)	72,096	72,096
	EDISON PIPELINE LICENSE ACCOUNT 9.4176 (FORMALLY # 3085) (GARFIELD/ELLIS) INJECTION WELLS I-27 & I-28	17,644	17,644
	LEASE AGREEMENT WITH CALTRANS FOR THE BURRIS BASIN / BALL ROAD PROPERTY	13,692	13,692
	LICENSES AND PERMITS TOTAL	**146,087**	**146,087**
	PROPERTY MANAGEMENT GRAND TOTAL	**421,544**	**421,544**

GENERAL FUND OPERATING BUDGET FY 25-26
ENGINEERING (1070)

JDE Account Number	Description	General	GWRS OM	GAP O&M	Forebay Recharge O&M	PFAS	Total
	ACTIVITY CODE	9900	9922	9911	9920	1914	
	SALARIES & BENEFITS						
1070.50104	REGULAR SALARIES	983,523	18,038	8,577	11,313	222,158	1,243,609
	CAPITALIZED SALARIES	(536,662)	-	-	-	-	(536,662)
1070.50210	PAYROLL TAXES	15,357	262	124	164	3,221	19,128
1070.50202	RETIREMENT	160,813	3,003	1,428	1,884	36,989	204,117
1070.50203	457 RETIREMENT MATCH	18,525	325	163	163	3,575	22,751
1070.50204	HEALTH INSURANCE	136,861	4,485	1,239	1,653	33,314	177,553
1070.50206	WORKERS' COMPENSATION	1,899	72	34	45	889	2,940
	CAPITALIZED BENEFITS	(185,805)	-	-	-	-	(185,805)
	SALARIES & BENEFITS TOTAL	**594,511**	**26,185**	**11,565**	**15,222**	**300,146**	**947,629**
1070.51102	MEMBERSHIP						
	ORGANIZATIONAL MEMBERSHIPS	1,000					1,000
	MEMBERSHIP TOTAL	**1,000**	**-**	**-**	**-**	**-**	**1,000**
1070.51301	TRAVEL/CONFERENCE/MILEAGE						
	ENGINEERS' CONFERENCE/SEMINARS	5,000					5,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**5,000**	**-**	**-**	**-**	**-**	**5,000**
1070.51192	TECHNICAL TRAINING						
	LOCAL CLASSES AND TRAINING (4 CLASSES)	1,000					1,000
	TECHNICAL TRAINING TOTAL	**1,000**	**-**	**-**	**-**	**-**	**1,000**
1070.53010	PROFESSIONAL SERVICES - ENGINEERING						
	CONSULTING SERVICES	50,000					50,000
	PROFESSIONAL SERVICES - ENGINEERING TOTAL	**50,000**	**-**	**-**	**-**	**-**	**50,000**
1070.51501	OFFICE EXPENSE - GENERAL						
	ANNUAL ENGINEER'S REPORT PREPARATION	1,000					1,000
	OUTSIDE COPYING SERVICES	200					200
	PRINTER CARTRIDGES	1,000					1,000
	CONSTRUCTION MANUALS	100					100
	DESIGN BOOKS	200					200
	FEDERAL EXPRESS	300					300
	MISCELLANEOUS OFFICE SUPPLIES	500					500
	SUPPLEMENTS TO MANUALS AND BOOKS	100					100
	OUTSIDE SERVICES	1,000					1,000
	PUBLIC WORKS INSPECTION MANUALS	600					600
	OFFICE EXPENSE - GENERAL TOTAL	**5,000**	**-**	**-**	**-**	**-**	**5,000**

GENERAL FUND OPERATING BUDGET FY 25-26
ENGINEERING (1070)

JDE Account Number	Description	General	GWRS OM	GAP O&M	Forebay Recharge O&M	PFAS	Total
	ACTIVITY CODE	9900	9922	9911	9920	1914	
1070.51104	SUBSCRIPTIONS						
	SMARTNET VRS FOR GPS	2,400					2,400
	AUTOCAD 3D	200					200
	AWWA STANDARDS	500					500
	ENR MAGAZINE	100					100
	SUBSCRIPTIONS TOTAL	**3,200**	**-**	**-**	**-**	**-**	**3,200**
1070.51520	GAS & DIESEL						
	FUEL FOR VEHICLE	3,500					3,500
	GAS & DIESEL TOTAL	**3,500**	**-**	**-**	**-**	**-**	**3,500**
1070.51531	SHIRTS - LOGO						
	SHIRTS - LOGO	700					700
	SHIRTS - LOGO TOTAL	**700**	**-**	**-**	**-**	**-**	**700**
1070.57016	MAINTENANCE S&I - GENERAL						
	PRADO SEDIMENT REMOVAL	1,100,000					1,100,000
	MAINTENANCE S&I - GENERAL TOTAL	**1,100,000**	**-**	**-**	**-**	**-**	**1,100,000**
	ENGINEERING GRAND TOTAL	**1,763,911**	**26,185**	**11,565**	**15,222**	**300,146**	**2,117,029**

GENERAL FUND OPERATING BUDGET FY 25-26
HYDROGEOLOGY (1075)

JDE Account Number	Description	General	So. Basin Litigation	Well EW-1	Talbert Barrier O&M	Alamitos Barrier O&M	North Basin NCP	South Basin NCP & CEQA	PFAS Litigation	PFAS	Total
	ACTIVITY CODE	9900	9976	1711	9908	9932	9985	9986	2003	1914	
	SALARIES & BENEFITS										
1075.50104	REGULAR SALARIES	2,067,383	12,885	8,014	10,449	70,277	41,525	-	38,654	12,885	2,262,072
1075.50106	OVERTIME	18,799				3,066					21,865
	CAPITALIZED SALARIES	(138,328)									(138,328)
1075.50210	PAYROLL TAXES	33,538	187	116	152	1,063	602	-	560	187	36,405
1075.50202	RETIREMENT	338,518	2,145	1,334	1,740	12,212	6,914	-	6,436	2,145	371,444
1075.50203	457 RETIREMENT MATCH	38,838	163	163	163	1,625	650	-	488	163	42,253
1075.50204	HEALTH INSURANCE	291,867	1,287	1,479	728	8,835	5,036	-	3,862	1,287	314,381
1075.50206	WORKERS' COMPENSATION	17,037	63	32	42	454	673	-	189	63	18,553
	CAPITALIZED BENEFITS	(49,602)									(49,602)
	SALARIES & BENEFITS TOTAL	**2,618,050**	**16,730**	**11,138**	**13,274**	**97,532**	**55,400**	**-**	**50,189**	**16,730**	**2,879,043**
1075.51301	TRAVEL/CONFERENCE/MILEAGE										
	REGULATORY & AGENCY MEETINGS FOR WQ PROJECTS, SEAWATER BARRIERS; TECHNICAL CONFERENCE ATTENDANCE (GIS, SGMA, MODELING) (CALIFORNIA)	6,000									6,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**6,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6,000**
1075.53005	PROFESSIONAL SERVICES - LEGAL										
	TUCKER ELLIS (FORMERLY CONNOR FLETCHER & HEDENKAMP)		20,000					40,000	20,000		80,000
	MILLER & AXLINE		160,000								160,000
	LARSON O'BRIEN - INCLUDES S. SOMMER & K. TAKATA						10,000	15,000			25,000
	PROFESSIONAL SERVICES - LEGAL TOTAL	**-**	**180,000**	**-**	**-**	**-**	**10,000**	**55,000**	**20,000**	**-**	**265,000**
1075.53010	PROFESSIONAL SERVICES - ENGINEER										
	ENGINEERING ANALYTICS (SOUTH BASIN NCP & CEQA SERVICES)										-
	AECOM (NORTH BASIN RI/FS SERVICES)										-
	INTERA (NORTH BASIN MODELING)										-
	PFAS SETTLEMENT MANAGEMENT CONSULTANT (SKORHEIM)								50,000		50,000
	TRAFFIC CONTROL, WASTE HAULING FOR WELL SAMPLING						4,000	24,000			28,000
	SUNSET GAP SEAWATER INTRUSION MODELING TO SUPPORT FEASIBILITY STUDY	50,000									50,000
	SUNSET GAP SEAWATER INTRUSION CONTROL FEASIBILITY STUDY	200,000									200,000
	LAND SUBSIDENCE EVALUATION CONSULTANTS	40,000									40,000
	PROFESSIONAL SERVICES - ENGINEER TOTAL	**290,000**	**-**	**-**	**-**	**-**	**4,000**	**24,000**	**50,000**	**-**	**368,000**
1075.51501	OFFICE EXPENSE - GENERAL										
	FEDERAL EXPRESS/COURIER	500									500
	OFFICE SUPPLIES INCLUDING SMALL DESK SUPPLIES, SCANNING SERVICES	4,500									4,500
	PLOTTER PAPER & INK CARTRIDGES	2,000									2,000
	SUPPLIES FROM WAREHOUSE, PETTY CASH	2,000									2,000
	OFFICE EXPENSE - GENERAL TOTAL	**9,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**9,000**
1075.51520	GAS & DIESEL FUEL										
	FUEL FOR DISTRICT FIELD VEHICLES (WELL MONITORING & MAINTENANCE)	8,000									8,000
	GAS & DIESEL FUEL TOTAL	**8,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**8,000**
1075.51530	UNIFORMS & SAFETY										
	BOOTS, RAIN GEAR, UNIFORMS FOR FIELD PERSONNEL	200									200
	UNIFORMS & SAFETY TOTAL	**200**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**200**
1075.51531	SHIRTS - LOGO										
	SHIRTS - LOGO	100									100
	SHIRTS - LOGO TOTAL	**100**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**

GENERAL FUND OPERATING BUDGET FY 25-26
HYDROGEOLOGY (1075)

JDE Account Number	Description	General	So. Basin Litigation	Well EW-1	Talbert Barrier O&M	Alamitos Barrier O&M	North Basin NCP	South Basin NCP & CEQA	PFAS Litigation	PFAS	Total
	ACTIVITY CODE	9900	9976	1711	9908	9932	9985	9986	2003	1914	
1075.57004	MAINTENANCE EQUIPMENT - GENERAL										
	FIELD EQUIPMENT REPAIR (VIDEO TRAILER, GENERATORS, PUMPS, WELDER)	1,500									1,500
	2 PRINTERS AND PLOTTER MAINTENANCE	1,000									1,000
	WATER LEVEL SENSOR REPAIR & CALIBRATION	1,500									1,500
	WESTBAY EQUIP. (REELS, SAMPLER, PROBES) SERVICE AGREEMENT	15,000									15,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**19,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**19,000**
1075.57016	MAINT STRUCTURES AND IMPROVEMENTS										
	BASIN-WIDE MONITORING WELL REPAIRS	16,000									16,000
	COASTAL MONITORING WELL REDEVELOPMENT	150,000									150,000
	MAINT STRUCTURES AND IMPROVEMENTS TOTAL	**166,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**166,000**
1075.51545	SMALL TOOLS										
	DATALOGGERS, VEHICLE EQUIPMENT, WATER LEVEL PROBES, CABLES, EC & PH METERS	7,000									7,000
	SMALL TOOLS TOTAL	**7,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**7,000**
1075.51555	LAB SUPPLIES										
	CALIBRATION STANDARDS FOR FIELD EQUIPMENT	300									300
	LAB SUPPLIES TOTAL	**300**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**300**
1075.51102	MEMBERSHIP										
	DISTRICT MEMBERSHIPS FOR GRA, NGWA, URISA AND PROFESSIONAL CERTIFICATIONS	1,500									1,500
	MEMBERSHIP TOTAL	**1,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,500**
1075.51192	TECHNICAL TRAINING										
	WEBINARS, GIS/WRMS PROGRAMMING TRAINING (ARC/GIS, ORACLE), GROUNDWATER MODELING TRAINING, GIS CONFERENCE PROCEEDINGS	5,000									5,000
	TECHNICAL TRAINING TOTAL	**5,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**5,000**
1075.51112	SPECIAL DEPARTMENT EXPENSE										
	WELL SITE & DISCHARGE LICENSE/PERMIT RENEWALS	18,000									18,000
	RWQCB & DTSC REVIEW OF SOUTH BASIN ACTIVITIES COST REIMBURSEMENT							30,000			30,000
	SANTA ANA RIVER WATERMASTER EXPENSES	45,000									45,000
	USGS STREAMGAGING (WATERMASTER/PRADO GAUGE AND SANTIAGO CREEK GAUGE)	53,000									53,000
	AERIAL IMAGERY ANNUAL SUBSCRIPTION	7,000									7,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**123,000**	**-**	**-**	**-**	**-**	**-**	**30,000**	**-**	**-**	**153,000**
	HYDROGEOLOGY GRAND TOTAL	**3,253,150**	**196,730**	**11,138**	**13,274**	**97,532**	**69,400**	**109,000**	**120,189**	**16,730**	**3,887,143**

GENERAL FUND OPERATING BUDGET FY 25-26
NATURAL RESOURCES (1080)

JDE Account Number	Description	General	Wildlife Management	Habitat Restoration	Total
	ACTIVITY CODE	9900	8010	8008	
	SALARIES AND BENEFITS				
1080.50104	REGULAR SALARIES	392,057	240,156	133,963	766,176
1080.50210	PAYROLL TAXES	6,201	4,772	2,716	13,689
1080.50202	RETIREMENT	63,892	36,523	20,227	120,642
1080.50203	457 RETIREMENT MATCH	9,750	6,500	3,250	19,500
1080.50204	HEALTH INSURANCE	62,282	40,549	23,342	126,174
1080.50206	WORKERS' COMPENSATION	6,166	4,318	2,200	12,684
	SALARIES AND BENEFITS TOTAL	**540,349**	**332,818**	**185,698**	**1,058,865**
1080.51301	TRAVEL/CONFERENCE/MILEAGE				
	THE WILDLIFE SOCIETY WESTERN SECTION CONFERENCE		1,000		1,000
	CALIFORNIA INVASIVE PLANT COUNCIL SYMPOSIUM			300	300
	WESTERN FIELD ORNITHOLOGIST CONFERNECE		1,000		1,000
	SOCIETY OF WETLAND SCIENTIST CONFERENCE	2,000			2,000
	ADDITIONAL LEADERSHIP / SUPERVISORY TRAINING	1,000			1,000
	LOCAL CONFERENCES/SYMPOSIUMS/MEETINGS	500			500
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**3,500**	**2,000**	**300**	**5,800**
1080.53001	PROFESSIONAL SERVICES - GENERAL				
	VIREO MONITORING - JIM PIKE CONTRACT		71,000		71,000
	VIREO MONITORING - NEW CONTRACTOR		65,000		65,000
	COWBIRD TRAPPING		57,000		57,000
	SUNNYSLOPE CREEK/SANTA ANA SUCKER TRANSLOCATION		126,000		126,000
	FUTURE OF THE WETLANDS CONSULTANT	150,000			150,000
	BALD EAGLE BANDING/HEALTH CHECK		2,000		2,000
	PROFESSIONAL SERVICES - GENERAL TOTAL	**150,000**	**321,000**	**-**	**471,000**
1080.53015	FIELD CREW LABOR (TEMP LABOR)				
	ON-CALL WEED ABATEMENT AND TRAIL MAINTENANCE SERVICES			80,000	80,000
	FIELD CREW LABOR (TEMP LABOR) TOTAL	**-**	**-**	**80,000**	**80,000**

GENERAL FUND OPERATING BUDGET FY 25-26
NATURAL RESOURCES (1080)

JDE Account Number	Description	General	Wildlife Management	Habitat Restoration	Total
	ACTIVITY CODE	9900	8010	8008	
1080.51104	SUBSCRIPTIONS				
	DRONE2MAP SUBSCRIPTION			1,750	1,750
	CNDDB SUBSCRIPTION	400			400
	WESTERN FIELD ORNITHOLOGIST MEMBERSHIPS		200		200
	CALIFORNIA INVASIVE PLANT COUNCIL MEMBERSHIPS			1,000	1,000
	THE WIDLLIFE SOCIETY - WESTERN SECTION MEMBERSHIPS		120		120
	SUBSCRIPTIONS TOTAL	**400**	**320**	**2,750**	**3,470**
1080.51501	OFFICE EXPENSE - GENERAL				
	MISCELLANEOUS OFFICE SUPPLIES	5,000			5,000
	PRINTER	250			250
	OFFICE EXPENSE - GENERAL TOTAL	**5,250**	**-**	**-**	**5,250**
1080.51520	GAS & DIESEL FUEL				
	GAS & DIESEL FUEL	12,000			12,000
	GAS & DIESEL FUEL TOTAL	**12,000**	**-**	**-**	**12,000**
1080.51531	SHIRTS - LOGO				
	SHIRTS - LOGO	500			500
	SHIRTS - LOGO TOTAL	**500**	**-**	**-**	**500**
1080.51530	UNIFORMS				
	OCWD QUICK-DRY FIELD SHIRTS WITH LOGO	2,000			2,000
	FIELD HATS	260			260
	BOOTS	1,000			1,000
	UNIFORMS TOTAL	**3,260**	**-**	**-**	**3,260**
1080.57016	MAINT STRUCTURE AND IMPROVEMENTS - GENERAL				
	PRADO HABITAT RESTORATION/WETLAND IMPROVEMENTS	34,000	33,000	33,000	100,000
	PRADO MITIGATION PLANTING AND MAINTENANCE			90,000	90,000
	ANAHEIM MITIGATION PLANTING AND MAINTENANCE			90,000	90,000
	ARUNDO REMOVAL			100,000	100,000
	MAINT STRUCTURE AND IMPROVEMENTS - GENERAL TOTAL	**34,000**	**33,000**	**313,000**	**380,000**
1080.51545	TOOLS AND EQUIPMENT				
	EQUIPMENT	16,000			16,000
	TOOLS AND EQUIPMENT TOTAL	**16,000**	**-**	**-**	**16,000**

GENERAL FUND OPERATING BUDGET FY 25-26
NATURAL RESOURCES (1080)

JDE Account Number	Description	General	Wildlife Management	Habitat Restoration	Total
	ACTIVITY CODE	9900	8010	8008	
1080.51550	SAFETY SUPPLIES				
	SAFETY EQUIPMENT (SAFETY GOGGLES, GLOVES, FIELD SAFETY)	1,000			1,000
	SAFETY SUPPLIES TOTAL	**1,000**	**-**	**-**	**1,000**
1080.51112	SPECIAL DEPARTMENT EXPENSE				
	PUBLIC RELATIONS / INTERPRETIVE	5,000			5,000
	HABITAT CONSERVATION PLAN		10,000	10,000	20,000
	CDFW O&M PERMIT FEES	25,000			25,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**30,000**	**10,000**	**10,000**	**50,000**
1080.56012	INTER AGENCY				
	SANTA ANA SUCKER CONSERVATION (SAWPA)		15,000		15,000
	INTER AGENCY TOTAL	**-**	**15,000**	**-**	**15,000**
	NATURAL RESOURCES GRAND TOTAL	**796,259**	**714,138**	**591,748**	**2,102,145**

ACC-OC	Association of California Cities - Orange County
ACFR	Annual Comprehensive Financial Report
ACOE or Corps	Army Corps of Engineers
ACWA	Association of California Water Agencies
ADC	Actuarially Determined Contributions
af	Acre-feet
AFFF	Aqueous Film-Forming Foam
AFY	Acre-feet per Year
AGWA	Association of Ground Water Agencies
AI	Artificial Intelligence
AMWA	Association of Metropolitan Water Agencies
AMX	Water Billing System
AOP	Advanced Oxidation Process
AP	Accounts Payable
ASSP	American Society of Safety Professionals
AWPF	Advanced Water Purification Facilities
AWWA	American Water Works Association
AWWARF	American Water Works Association Research Foundation
BCV	Basin Cleaning Vehicle
BEA	Basin Equity Assessment
BPP	Basin Production Percentage
CALVAL	Calibration and Validation
CAMU	Corrective Action Management Unit
CEC	Contaminants of Emerging Concern
CEQA	California Environmental Quality Act
CERCLA	The Comprehensive Environmental Response, Compensation, and Liability Act
CERS	California Environmental Reporting System
CIP	Capital Improvement Program
CLIP	California Laboratory Intake Portal
CMMS	Computerized Maintenance Management System
CMUA	California Municipal Utilities Association
COP	Certificate of Participation
CSDA	California Special Districts Association
DBPs	Disinfection By-Products
DDTC	Directorate of Defense Trade Controls
DDW	Division of Drinking Water
DPH	California Department of Public Health
EDC	Endocrine Disrupting Compounds
EEA	Eurofins Eaton Analytical
EO	Electrochemical Oxidation
EOC	Emergency Operations Center
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
ERC	Engineering Research Center
ERP	Emergency Response Plan
ERT	Emergency Response Team
FHQ	Field Headquarters
FIRO	Forecast Informed Reservoir Operations
FIS	Financial Information System
FRL	Field Research Laboratory

FTE	Full-Time Equivalent
FWS	Fish and Wildlife Service
FY	Fiscal Year
GAC	Granular Activated Carbon
GAP	Green Acres Project
GASB	Governmental Accounting Standards Board
GC-ECD	Gas Chromatography-Micro Electron Capture Detector
GC-MS/MS	Gas Chromatography/Mass Spectrometer
GFOA	Government Finance Officers Association
GIS	Geographic Information System
GL	General Liability Insurance
GRA	Groundwater Resources Foundation
GWP	Groundwater Producers
GWRS	Groundwater Replenishment System
GWRSFE	Groundwater Replenishment System Final Expansion
GWRSIE	Groundwater Replenishment System Initial Expansion
HCP	Habitat Conservation Plan
HRIS	Human Resources Information System
I&E	Instrumentation and Electrical
IAP	Independent Advisory Panel
IC/MS	Ion Chromatography/Mass Spectrometry
IEBL	Inland Empire Brine Line
IEC/OC	Industrial Environmental Coalition of Orange County
IEUA	Inland Empire Utilities Agency
IIS	Integrated Information Systems
IRWM	Integrated Regional Water Management
IRWD	Irvine Ranch Water District
IS	Information Services
ISDOC	Independent Special Districts Association
IX	Ion Exchange
JDE	JD Edwards
JPIA	Joint Powers Insurance Authority
KPIs	Key Performance Indicators
LAFCO	Local Agency Formation Commission
LC/MS/MS	Liquid Chromatograph/Double Mass Spectrometer
LC-OCD	Liquid Chromatography-Organic Carbon Detection
LID	Low Impact Development
LIMS	Lab Information System
LRV	Log Removal Value
LOA	Leave of Absence
LTFP	Long-Term Facilities Plan
MAR	Managed Aquifer Recharge
MCAS	Marine Corps Air Station
MCLs	Maximum Contaminant Levels
MDL	Method Detection Limit
MET	Manual Entry Tool
MF	Microfiltration
MGD	Million Gallons per Day
ML	Machine Learning
MSDS	Material Safety Data Sheet
MSL	Mean Sea Level

MWD	Metropolitan Water District of Southern California
MWDOC	Municipal Water District of Orange County
NAWI	National Alliance for Water Innovation
NBGPP	North Basin Groundwater Protection Project
NDMA	N-nitrosodimethylamine
NEMC	National Environment Management Council
NIMS	National Incident Management System
NPDES	National Pollutant Discharge Elimination System
NWRI	National Water Research Institute
O&M	Operations and Maintenance
OCBC	Orange County Business Council
OCCOG	Orange County Council of Government
OCEA	Orange County Employee Association
OCHCA	Orange County Health Care Agency
OCSD	Orange County Sanitation District
OCWD	Orange County Water District
OMMP	Operations, Maintenance, and Monitoring Plan
OPEB	Other Post-Employment Benefits
ORNL	Oak Ridge National Laboratory
OSHA	Occupational Safety and Health Administration
PAC	Project Advisory Committee
PARS	Public Agency Retirement Services
PASMA	Public Agency Safety Management Association
PAYGO	Pay As You Go
PBDE	Poly-Brominated Diphenyl Ethers
PCS	Process Control System
PDAs	Personal Digital Assistants
PED	Preconstruction Engineering and Design
PFAS	Per-and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
PHG	Public Health Goals
PIN	Personal Identification Numbers
PO	Purchase Orders
ppt	Parts per Trillion
Producers	Orange County Groundwater Producers
PVDF	Polyvinylidene Difluoride
QA/QC	Quality Assurance/Quality Control
R&D	Research and Development
R&R	Replacement and Refurbishment
RA	Replenishment Assessment
RDL	Reporting Detection Limit
REWG	Recharge Enhancement Working Group
RFP	Requests for Proposals
RFQ	Request for Quotes
RGP	Regional General Permit
RMP	Risk Management Plan
RMS	Records Management System
RO	Reverse Osmosis
RTS	Readiness-to-serve
RWQCB	Regional Water Quality Control Board
SAR	Santa Ana River

SARCCUP	Santa Ana River Conservation and Conjunctive Use Project
SARFPA	Santa Ana River Flood Protection Agency
SARI	Santa Ana Regional Interceptor
SARMON	Santa Ana River Monitoring Program
SARWQH	Santa Ana River Water Quality Health
SAWA	Santa Ana Watershed Association
SAWPA	Santa Ana Watershed Project Authority
SB	Senate Bill
SBGPP	South Basin Groundwater Protection Project
SCADA	Supervisory Control and Data Acquisition
SCAQMD	South Coast Air Quality Management District
SCWO	Supercritical Water Oxidation
SEO	Search Engine Optimization
SGMA	Sustainable Groundwater Management Act
SOFR	Secured Overnight Financing Rate
SOPs	Standard Operating Procedures
SRF	State Revolving Fund
SWPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TDS	Total Dissolved Solids
TMDL	Total Maximum Daily Load
TNI	The NELAC Institute
TOC	Total Organic Carbon
UCI	University of California Irvine
UCMR	Unregulated Contaminant Monitoring Rule
UF	Ultrafiltration
USACE	United States Army Corps of Engineers
USBR	United States Bureau of Reclamation
USFWS	United States Fish and Wildlife Service
UV	Ultraviolet Light
VOC	Volatile Organic Compounds
VFD	Variable Frequency Device
W/C	Workers' Compensation
WACO	Water Advisory Committee of Orange County
WD	Water District
WEROC	Water Emergency Response of Orange County
WL	Water Level
WQ	Water Quality
WQTC	Water Quality Technology Conference
WQTS	Water Quality and Treatment Solutions
WIFIA	Water Infrastructure Finance and Innovation Act
WRD	Water Resources Department
WRDA	Water Resources Development Act
WRF	WateReuse Research Foundation
WRMS	Water Resource Management System
WRR	Water Resources Report
WUSMA	Water Utilities Safety Managers' Association
YLWD	Yorba Linda Water District