

AGENDA
REGULAR MEETING BOARD OF DIRECTORS
ORANGE COUNTY WATER DISTRICT
18700 Ward Street, Fountain Valley, CA (714) 378-3200
Wednesday, February 21, 2024 – 5:30 p.m. - Boardroom

This meeting will be held in person. As a convenience for the public, the meeting may also be accessed by Zoom Webinar and will be available by either computer or telephone audio as indicated below. Because this is an in-person meeting and the Zoom component is not required, but rather is being offered as a convenience, if there are any technical issues during the meeting, this meeting will continue and will not be suspended.

Computer Audio: Please click the link below to join the Zoom webinar:
<https://ocwd.zoom.us/j/87881361298>

Telephone Audio: (213) 338 8477

Meeting ID: 878 8136 1298

Teleconference Sites:
10382 Bonnie Drive, Garden Grove
1454 Madison Street, Tustin
8856 Citrus Avenue, Westminster
Limelight Hotel, Lobby, 151 S. Main Street, Ketchum, ID
6 -chōme-6-7 Ginza, Chuo City, Tokyo
Hilton Palm Springs, Lobby, 400 E Tahquitz Canyon Way, Palm Springs
* Members of the public may attend and participate at both locations.

PLEDGE OF ALLEGIANCE

ROLL CALL

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

RECOMMENDATION: Adopt resolution determining need to take immediate action on item(s) and that the need for action came to the attention of the District subsequent to the posting of the Agenda (requires two-thirds vote of the Board members present, or, if less than two-thirds of the members are present, a unanimous vote of those members present.)

VISITOR PARTICIPATION

Time has been reserved at this point in the agenda for persons wishing to comment for up to three minutes to the Board of Directors on any item that is not listed on the agenda, but within the subject matter jurisdiction of the District. By law, the Board of Directors is prohibited from taking action on such public comments. As appropriate, matters raised in these public comments will be referred to District staff or placed on the agenda of an upcoming Board meeting.

At this time, members of the public may also offer public comment for up to three minutes on any item on the Consent Calendar. While members of the public may not remove an item from the Consent Calendar for separate discussion, a Director may do so at the request of a member of the public.

CONSENT CALENDAR (ITEMS NO. 1 – 11)

All matters on the Consent Calendar are to be approved by one motion, without separate discussion on these items, unless a Board member or District staff request that specific items be removed from the

Consent Calendar for separate consideration.

1. APPROVAL OF CASH DISBURSEMENTS

RECOMMENDATION: Ratify/authorize payment of bills

2. MINUTES OF BOARD OF DIRECTORS MEETINGS HELD JANUARY 17 AND FEBRUARY 7, 2024

RECOMMENDATION: Approve as presented

3. 2022-2023 ENGINEER'S REPORT ON GROUNDWATER CONDITIONS, WATER SUPPLY AND BASIN UTILIZATION

RECOMMENDATION: Receive and file the draft 2022-23 Engineer's Report and schedule a public hearing on March 20, 2024 to present the Report's findings and on April 17, 2024 to consider establishing the Replenishment Assessment, Basin Equity Assessment and Basin Production Percentage for the 2024-25 water year

ITEMS RECOMMENDED FOR APPROVAL AT WATER ISSUES COMMITTEE MEETING HELD FEBRUARY 14 (ITEMS NO. 4 –7)

4. AUTHORIZE ON CALL SERVICES AGREEMENT WITH VCS ENVIRONMENTAL FOR CULTURAL RESOURCES RECORDS SEARCHES AND TECHNICAL ANALYSIS

RECOMMENDATION: Authorize issuance of an on-call services agreement with VCS Environmental for as-needed cultural resources services for an amount not to exceed \$30,000

5. RATIFY CHANGE ORDERS TO CONTRACT NO. EOCWD-2021-1 AND AUTHORIZE BUDGET INCREASE

RECOMMENDATION: 1) Ratify issuance of Change Order Nos. 1-18, and,
2) Increase project budget by \$855,600 for a total project budget of \$8,940,600

6. CONTRACT NO. TAL-2024-1: TALBERT BARRIER WELL REDEVELOPMENT- PUBLICATION OF NOTICE INVITING BIDS

RECOMMENDATION: Authorize publication of Notice Inviting Bids for Contract No. TAL-2024-1, 2023-24 Talbert Barrier Well Redevelopment Project

7. CITIES OF ANAHEIM AND ORANGE, SERRANO WATER DISTRICT, AND YORBA LINDA WATER DISTRICT PETITIONS FOR EXEMPTION OF PAYMENT OF REPLENISHMENT ASSESSMENT AND BASIN EQUITY ASSESSMENT AND SCHEDULE PUBLIC HEARING

RECOMMENDATION: 1) Receive and file petitions for exemption from city of Anaheim for Wells 42, 43, 44, 52, and 58; city of Orange for Wells 9, 19 to 25, 27, and future wells 28 and 29; Serrano Water District for Wells 3, 5, and a future well; Yorba Linda Water District for Wells 1, 5, 7, 10, 12, and 18 to 22, three future wells; East Orange County Water District for its East (EOCW-E) and Vanderwerff (EOCW-V) wells;

and city of Santa Ana for its Wells 27, 28, and 38 from payment of the Replenishment Assessment and Basin Equity Assessment,

- 2) Receive and file staff report evaluating the petitions from cities of Anaheim, Santa Ana, and Orange, East Orange County Water District, Serrano Water District, and Yorba Linda Water District, and,
- 3) Schedule a Public Hearing on this matter on March 20, 2024, in accordance with Section 38.1 of the OCWD Act

ITEMS RECOMMENDED FOR APPROVAL AT ADMINISTRATION FINANCE COMMITTEE MEETING HELD FEBRUARY 15 (ITEMS NO. 8 – 11)

8. MONTHLY CASH CONTROL REPORT

RECOMMENDATION: Receive and file Summary Cash and Cash Equivalents Control Reports dated January 31, 2024

9. INVESTMENT PORTFOLIO HOLDINGS REPORTS

RECOMMENDATION: Receive and file the Investment Portfolio Holdings Reports dated January 31, 2024

10. AMENDMENTS 4 AND 5 TO AGREEMENT 1315 WITH VALLEY CITIES/GONZALES FENCE, INC., FOR ON-CALL FENCE REPAIRS

RECOMMENDATION: 1) Ratify Amendment No. 4 to Agreement No. 1315 with Valley Cities/Gonzales Fence, Inc., for an amount not to exceed \$25,000, at the same rates, for on-call fence repairs for the period of August 1, 2023, to July 31, 2024; and,

2) Authorize issuance of Amendment No. 5 to Agreement No. 1315 with Valley Cities/Gonzales Fence, Inc. to extend the termination date to June 30, 2025, and increase the not-to-exceed amount by \$40,000

11. BUDGET TO ACTUAL SECOND QUARTER 2023-24

RECOMMENDATION: Receive and file the Budget to Actual Report for the Second Quarter of Fiscal Year 2023-24 ending December 31, 2023

INFORMATIONAL ITEMS

12. UPDATE ON FORECAST INFORMED RESERVOIR OPERATIONS (FIRO) AT PRADO DAM, SUBSEASONAL TO SEASONAL (S2S) FORECASTING AND ATMOSPHERIC RIVER RECONNAISSANCE (AR RECON)

13. WATER RESOURCES SUMMARY

14. SAWPA UPDATE

15. COMMITTEE/CONFERENCE/MEETING REPORTS

- ▶ Feb 08 - Communication & Legislative Liaison Committee (Chair Bilodeau)
- ▶ Feb 14 - Water Issues Committee (Chair Whitaker)

- ▶ Feb 15 - Administration and Finance Issues Committee (Chair Yoh)
- ▶ Reports on Committees/Conferences/Meetings Attended at District Expense (at which a quorum of the Board was present)

16. VERBAL REPORTS

- PRESIDENT'S REPORT
- GENERAL MANAGER'S REPORT
- DIRECTORS' REPORTS
- GENERAL COUNSEL REPORT

ADJOURNMENT

Agenda Posting: In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted in the main lobby of the Orange County Water District, 18700 Ward Street, Fountain Valley, CA and on the OCWD website: www.ocwd.com not less than 72 hours prior to the meeting date and time above. All written materials relating to each agenda item are available for public inspection in the office of the Assistant District Secretary. Backup material for the Agenda is available at the District offices for public review and can be viewed online at the District's website: www.ocwd.com.

Accommodations to the Disabled: Pursuant to the Americans with Disabilities Act, persons with a disability who require a disability-related modification or accommodation in order to participate in a meeting, including auxiliary aids or services, may request such modification or accommodation from the District Secretary at (714) 378-3234 or by email at cfuller@ocwd.com. Notification 24 hours prior to the meeting will enable District staff to make reasonable arrangements to assure accessibility to the meeting.

Availability of Agenda Material: As a general rule, agenda reports or other written documentation that has been prepared or organized with respect to each item of business listed on the agenda can be reviewed at www.ocwd.com. Copies of these materials and other disclosable public records distributed to all or a majority of the members of the Board of Directors in connection with an open session agenda item are also on file with and available for inspection at the Office of the District Secretary, 18700 Ward Street, Fountain Valley, California, during regular business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday. If such writings are distributed to members of the Board of Directors on the day of a Board meeting, the writings will be available at the entrance to the Board of Directors meeting room at the Orange County Water District office.

AGENDA ITEM SUBMITTAL

Meeting Date: February 21, 2024

To: Board of Directors

From: John Kenendy

Staff Contact: M. Ochoa

Budgeted: N/A

Budgeted Amount:

Cost Estimate \$10,803,671.39

Funding Source: N/A

Program/Line Item No. N/A

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

Subject: APPROVAL OF CASH DISBURSEMENTS

SUMMARY

For the period of February 01, 2024 through February 14, 2024, including manual checks and wire transfers, staff is presenting cash disbursements totaling \$10,803,671.39 disbursed for each period as follows:

Accounts Payable:	
02/01/2024-02/07/2024	\$ 1,949,144.99
02/08/2024-02/14/2024	\$ 7,269,169.38
Payroll	\$ 1,585,357.02
Total Disbursements	\$ 10,803,671.39

RECOMMENDATION

Ratify/Authorize payment of bills

PRIOR RELEVANT BOARD ACTION(S)

Semi-monthly

Orange County Water District

Check Register

Begin Date: 2024-02-01

End Date: 2024-02-07

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Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
803819	2024-02-07	ALTA FOODCRAFT	Inv# 12402336	BPO FIRST AID SUPPLIES	\$1,049.22		
Total for Check: 803819						\$1,049.22	\$14,018.07
803820	2024-02-07	GOPHER PATROL	Inv# 11230900	PATROL	\$185.00		
Total for Check: 803820						\$185.00	\$4,970.00
803821	2024-02-07	WESTAIR GASES & EQUIPMENT	Inv# 0011766431	1/9 carton gouging rod-Recharg	\$104.09		
803821	2024-02-07	WESTAIR GASES & EQUIPMENT	Inv# 0011767798	1/9 Lab-nitrogen & helium	\$1,483.51		
803821	2024-02-07	WESTAIR GASES & EQUIPMENT	Inv# 0011767798	frt,haz,helium surcharge	\$872.57		
803821	2024-02-07	WESTAIR GASES & EQUIPMENT	Inv# 0011768747	haz.m-frt-surcharge	\$59.11		
803821	2024-02-07	WESTAIR GASES & EQUIPMENT	Inv# 0011768747	Water Prod-nitrogen	\$35.24		
Total for Check: 803821						\$2,554.52	\$68,381.11
Run Date: 2/6/2024					\$3,788.74	\$3,788.74	

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
116611	2024-02-01	UNITED PARCEL SERVICE	Inv# 0000X81601044 01/27/24		\$677.80		
Total for Check: 116611						\$677.80	\$4,151.85
116612	2024-02-07	U.S. BANK CORPORATE PAYMENT SYSTEM	Inv# BH JANUARY 2024 CC	BH Jan24 cc	\$16,508.42		
116612	2024-02-07	U.S. BANK CORPORATE PAYMENT SYSTEM	Inv# CMF JANUARY 2024 CC		\$1,280.63		
116612	2024-02-07	U.S. BANK CORPORATE PAYMENT SYSTEM	Inv# JLK JANUARY 2024 CC	JLK Jan24 cc	\$6,931.56		
116612	2024-02-07	U.S. BANK CORPORATE PAYMENT SYSTEM	Inv# LAV JANUARY 2024 CC		\$2,726.27		
116612	2024-02-07	U.S. BANK CORPORATE PAYMENT SYSTEM	Inv# ORDER #1086751687 1/3/24	Generated by reorder	\$1,252.15		
116612	2024-02-07	U.S. BANK CORPORATE PAYMENT SYSTEM	Inv# ORDER #1086751687 1/3/24	Generated by reorder	\$156.10		
116612	2024-02-07	U.S. BANK CORPORATE PAYMENT SYSTEM	Inv# ORDER #1086751687 1/3/24	Generated by reorder	\$91.93		
116612	2024-02-07	U.S. BANK CORPORATE PAYMENT SYSTEM	Inv# ORDER #1086751687 1/3/24	Generated by reorder	\$81.74		
116612	2024-02-07	U.S. BANK CORPORATE PAYMENT SYSTEM	Inv# ORDER #1086751687		(\$15.20)		
Total for Check: 116612						\$29,013.60	\$475,959.55
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 161D-QKPT-W4VW	SUPPLIES	\$173.33		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 161D-QKPT-W4VW	SUPPLIES	\$13.02		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 16VQ-Q1MW-LMK7	FIELD EQUIPMENT	\$41.76		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 16VQ-Q1MW-LMK7	FIELD EQUIPMENT	\$22.35		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 16VQ-Q1MW-LMK7	Shipping	\$7.60		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 17XN-9HR1-K71R	REPLACES BPO# 516808	\$269.20		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 1FGQ-KGK7-VVX7	REPLACES BPO# 516808	\$147.18		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 1HNP-FC11-146G	TOUR EQUIP/ ITEMS FOR MMARKUS	\$97.86		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 1HNP-FC11-146G	TOUR EQUIP/ ITEMS FOR MMARKUS	\$71.73		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 1HNP-FC11-146G	TOUR EQUIP/ ITEMS FOR MMARKUS	\$35.32		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 1HNP-FC11-146G	TOUR EQUIP/ ITEMS FOR MMARKUS	\$28.26		

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116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 1HNP-FC11-146G	TOUR EQUIP/ ITEMS FOR	\$19.57		
			MMAKUS				
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 1NWQ-7NP6-VCRX	REPLACES BPO# 516808	\$418.32		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 1WTH-H3DX-H3CF	Promotion	(\$2.34)		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 1XVH-44YC-6R4F	SUPPLIES/GEAR/EQUIP	\$32.29		
116614	2024-02-07	AMAZON CAPITAL SERVICES, INC	Inv# 1XVH-44YC-6R4F	Shipping	\$10.86		
Total for Check:		116614				\$1,386.31	\$28,678.24
116615	2024-02-07	AMERICAN WATER CHEMICAL, INC	Inv# 52228861	1/11 40800 lb antiscalant	\$53,448.00		
Total for Check:		116615				\$53,448.00	\$1,206,840.40
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0110198000_20240118	12.14.23-01.16.24	\$123.73		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0110452300_20240119	12.14.23-01.16.24	\$445.70		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0110561300_20240119	12.14.23-01.16.24	\$38.62		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0110562000_20240119	12.15.23-01.17.24	\$2,565.49		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0127464300_20240112	12.11.23-01.10.24	\$866.96		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0127602300_20240112	12.11.23-01.10.24	\$57.32		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0127603000_20240116	12.11.23-01.10.24	\$48.35		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0127704000_20240112	12.11.23-01.10.24	\$497.51		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0128276000_20240116	12.12.23-01.11.24	\$119.00		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0128277000_20240114	12.12.23-01.11.24	\$1,565.36		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0128279000_20240116	12.12.23-01.11.24	\$1,595.09		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0128280300_20240116	12.11.23-01.10.24	\$59.30		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0128282300_20240116	12.11.23-01.10.24	\$290.59		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0128283000_20240116	12.12.23-01.11.24	\$1,150.11		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0128284000_20240116	12.12.23-01.11.24	\$128.19		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0128660002_20240116	12.12.23-01.11.24	\$477.13		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0131487000_20240116	12.12.23-01.11.24	\$51.31		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0132538000_20240116	12.12.23-01.11.24	\$413.63		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0134144000_20240116		\$50.65		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0134145000_20240112	12.11.23-01.10.24	\$50.65		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0134965000_20240112	12.11.23-01.10.24	\$80.88		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0137310300_20240119	12.14.23-01.16.24	\$19.93		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0138802000_20240116	12.12.23-01.11.24	\$15.60		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0139824000_20240116	12.12.23-01.11.24	\$49.56		

Orange County Water District

Check Register

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Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0140776000_20240119	12.15.23-01.17.24	\$73.46		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0145086300_20240119	12.14.23-01.16.24	\$19.93		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0145552000_20240116	12.12.23-01.11.24	\$20.86		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0147092000	12.15.23-01.17.24	\$139.83		
116618	2024-02-07	ANAHEIM, CITY OF	Inv# 0111128000_20240119	12.15.23-01.17.24	\$339.68		
Total for Check: 116618						\$11,354.42	\$231,772.37
116619	2024-02-07	ARAMARK UNIFORM SERVICES	Inv# 589000728		\$5,088.69		
116619	2024-02-07	ARAMARK UNIFORM SERVICES	Inv# 589000729		\$8,016.40		
116619	2024-02-07	ARAMARK UNIFORM SERVICES	Inv# 5890328806		\$142.87		
116619	2024-02-07	ARAMARK UNIFORM SERVICES	Inv# 5890328808		\$47.03		
Total for Check: 116619						\$13,294.99	\$43,455.33
116620	2024-02-07	ASSI SECURITY	Inv# 74759	Annual CCTV Maintenance	\$24,000.00		
Total for Check: 116620						\$24,000.00	\$29,850.00
116621	2024-02-07	AT & T	Inv# 714 974-3616_20240111	01/11/24 - 02/10/24	\$86.78		
Total for Check: 116621						\$86.78	\$24,008.56
116622	2024-02-07	BATTERY SYSTEMS	Inv# 28880108241058	BPO BATTERIES	\$154.84		
116622	2024-02-07	BATTERY SYSTEMS	Inv# 28880108241058	Battery Fee	\$2.00		
Total for Check: 116622						\$156.84	\$3,600.00
116623	2024-02-07	BEARCOM	Inv# 5671744	HANDHELD RADIOS AND ANTENNA	\$1,939.48		
116623	2024-02-07	BEARCOM	Inv# 5671744	HANDHELD RADIOS AND ANTENNA	\$285.53		
116623	2024-02-07	BEARCOM	Inv# 5671744	Shipping	\$43.10		
Total for Check: 116623						\$2,268.11	\$7,707.58
116624	2024-02-07	BOOT BARN INC.	Inv# INV00330036	BPO BOOT BARN	\$200.00		
116624	2024-02-07	BOOT BARN INC.	Inv# INV00330037	BPO BOOT BARN	\$200.00		
Total for Check: 116624						\$400.00	\$5,420.52
116625	2024-02-07	BOTTOMLINE TECHNOLOGIES	Inv# USINV-108811	1505	\$9,710.25		
116625	2024-02-07	BOTTOMLINE TECHNOLOGIES	Inv# USINV-108811		\$6,473.50		
116625	2024-02-07	BOTTOMLINE TECHNOLOGIES	Inv# USINV-108811		\$3,236.75		
116625	2024-02-07	BOTTOMLINE TECHNOLOGIES	Inv# USINV-108811		(\$9,710.25)		
Total for Check: 116625						\$9,710.25	\$21,533.87
116626	2024-02-07	BRENNTAG PACIFIC INC.	Inv# BPI406228	2/1 21.36 ton H.Peroxide	\$10,680.00		
116626	2024-02-07	BRENNTAG PACIFIC INC.	Inv# BPI406228	discount	(\$213.60)		

Orange County Water District

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
116626	2024-02-07	BRENNTAG PACIFIC INC.	Inv# BPI406229	2/1 22.065 ton citric acid	\$29,130.76		
116626	2024-02-07	BRENNTAG PACIFIC INC.	Inv# BPI406229	discount	(\$582.62)		
Total for Check: 116626						\$39,014.54	\$1,488,389.58
116627	2024-02-07	BUCKNAM INFRASTRUCTURE GROUP INC	Inv# 392-01.03	1552	\$2,759.00		
Total for Check: 116627						\$2,759.00	\$7,777.50
116628	2024-02-07	Barker, Zachary	Inv# JUL23-JAN24 STIPENDS	7/18/23-1/17/24	\$240.00		
				stipends (6)			
Total for Check: 116628						\$240.00	\$480.00
116629	2024-02-07	CERIDIAN HCM, INC.	Inv# 1N1113947		\$75.21		
Total for Check: 116629						\$75.21	\$58,146.81
116630	2024-02-07	CITY OF HUNTINGTON BEACH	Inv# 5386189_20240125	12.22.23-01.24.24	\$49.88		
Total for Check: 116630						\$49.88	\$356.82
116631	2024-02-07	COMMERCIAL DOOR OF ORANGE CO.	Inv# 27620	Misc Door Repairs Around Facil	\$3,044.44		
Total for Check: 116631						\$3,044.44	\$7,748.05
116632	2024-02-07	CSUF ASC	Inv# AR173747	10.01-12.31 /01.01.24-03.31.24	\$31,216.56		
Total for Check: 116632						\$31,216.56	\$61,190.34
116633	2024-02-07	DEPARTMENT OF TOXIC SUBSTANCES	Inv# 23SM3322	South Basin RI/FS	\$672.30		
Total for Check: 116633						\$672.30	\$12,165.14
116634	2024-02-07	DEPARTMENT OF TOXIC SUBSTANCES	Inv# 23SM3262		\$8,772.91		
Total for Check: 116634						\$8,772.91	\$12,165.14
116635	2024-02-07	ENVIRONMENTAL EXPRESS	Inv# 1000769597	SUPPLIES	\$31.21		
116635	2024-02-07	ENVIRONMENTAL EXPRESS	Inv# 1000769597	reight	\$16.97		
Total for Check: 116635						\$48.18	\$3,547.03
116636	2024-02-07	EPPENDORF NORTH AMERICA INC.	Inv# 4009189988	SAMPLE ANALYSIS	\$1,692.00		
Total for Check: 116636						\$1,692.00	\$3,820.12
116637	2024-02-07	EXCELSIOR ELEVATOR	Inv# 34161	BPO ELEVATOR SERVICE	\$583.33		
116637	2024-02-07	EXCELSIOR ELEVATOR	Inv# 34161	Discount	(\$5.83)		
Total for Check: 116637						\$577.50	\$17,460.76
116638	2024-02-07	F.D. THOMAS, INC.	Inv# 725.03	EPOXY COATING	\$34,267.00		

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116638	2024-02-07	F.D. THOMAS, INC.	Inv# 725.03	EPOXY COATING	\$25,000.00		
116638	2024-02-07	F.D. THOMAS, INC.	Inv# 725.03	EPOXY COATING	\$10,117.00		
Total for Check: 116638						\$69,384.00	\$69,384.00
116639	2024-02-07	FACTORY MOTOR PARTS	Inv# 102-203098	BPO AUTO PARTS	\$28.44		
116639	2024-02-07	FACTORY MOTOR PARTS	Inv# 12-5718716	BPO AUTO PARTS	\$125.06		
116639	2024-02-07	FACTORY MOTOR PARTS	Inv# 164-310743	BPO AUTO PARTS	\$50.05		
116639	2024-02-07	FACTORY MOTOR PARTS	Inv# 164-310779	BPO AUTO PARTS	\$170.15		
116639	2024-02-07	FACTORY MOTOR PARTS	Inv# 164-310779	BPO AUTO PARTS	\$42.47		
116639	2024-02-07	FACTORY MOTOR PARTS	Inv# 164-310709	BPO AUTO PARTS	\$34.80		
116639	2024-02-07	FACTORY MOTOR PARTS	Inv# 164-310644	BPO AUTO PARTS	\$73.13		
Total for Check: 116639						\$524.10	\$10,421.59
116640	2024-02-07	FEDERAL EXPRESS CORPORATION	Inv# 8-396-25203	Package Delivery	\$114.93		
116640	2024-02-07	FEDERAL EXPRESS CORPORATION	Inv# 8-396-25204	Package Delivery	\$80.18		
Total for Check: 116640						\$195.11	\$11,429.65
116641	2024-02-07	FERGUSON WATERWORKS #1083	Inv# 0021888	Cover Gaskets for Crispin Air	\$651.37		
116641	2024-02-07	FERGUSON WATERWORKS #1083	Inv# 0021888	Freight	\$16.30		
Total for Check: 116641						\$667.67	\$3,467.97
116642	2024-02-07	FIDELITY INVESTMENTS	Inv# FEBRUARY7, 2024 457B	Feb 7, 24 PR#3 457b	\$0.33		
116642	2024-02-07	FIDELITY INVESTMENTS	Inv# FEBRUARY7, 2024 457B	Feb 7, 24 PR#3 457b	(\$0.33)		
Total for Check: 116642						\$0.00	\$712,357.47
116643	2024-02-07	FIELDMAN, ROLAPP & ASSOCIATES	Inv# 28959	1532	\$2,000.00		
Total for Check: 116643						\$2,000.00	\$7,347.50
116644	2024-02-07	FILMTEC CORP	Inv# 951457233	Replacement membranes	\$524,414.25		
116644	2024-02-07	FILMTEC CORP	Inv# 951457233	Replacement membranes	\$15,732.43		
Total for Check: 116644						\$540,146.68	\$2,747,016.96
116645	2024-02-07	FISHER SCIENTIFIC CO.	Inv# 8718013	Generated by reorder 12/18/23	\$1,982.94		
116645	2024-02-07	FISHER SCIENTIFIC CO.	Inv# 8718013	Shipping	\$8.20		
Total for Check: 116645						\$1,991.14	\$144,612.95
116646	2024-02-07	FRONTIER COMMUNICATIONS	Inv# 714-965-1308_20240215	01.22.24-02.21.24	\$237.12		
Total for Check: 116646						\$237.12	\$32,532.57
116647	2024-02-07	FRONTIER COMMUNICATIONS	Inv# 209-150-2229_20241116	12.16.24-01.15.24	\$80.57		

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		Total for Check:	116647			\$80.57	\$32,532.57
116648	2024-02-07	FRONTIER COMMUNICATIONS	Inv# 323-171-0001_20240220	01/26/24-02/25/24	\$555.00		
		Total for Check:	116648			\$555.00	\$32,532.57
116649	2024-02-07	FRUIT GROWERS LABORATORY INC	Inv# 320475A	BPO RADIOACTIVITY ANAYLSES	\$531.00		
116649	2024-02-07	FRUIT GROWERS LABORATORY INC	Inv# 321185A	BPO RADIOACTIVITY ANAYLSES	\$64.00		
		Total for Check:	116649			\$595.00	\$31,017.00
116650	2024-02-07	GRAINGER INC.	Inv# 9947512456	BPO INDUSTRIAL SUPPLIES	\$64.17		
		Total for Check:	116650			\$64.17	\$128,447.51
116651	2024-02-07	GRAYBAR ELECTRIC COMPANY, INC.	Inv# 9335774659	Generated by reorder 1/25/24 6	\$84.69		
116651	2024-02-07	GRAYBAR ELECTRIC COMPANY, INC.	Inv# 9335774659	Discount	(\$0.78)		
		Total for Check:	116651			\$83.91	\$15,332.26
116652	2024-02-07	Gautier, Eric	Inv# GAUTITER JANUARY 26, 2024		\$48.90		
		Total for Check:	116652			\$48.90	\$198.90
116653	2024-02-07	Greening, Mark	Inv# JUN23-JAN24 STIPENDS (7)	6/5/23-1/4/24 stipends	\$280.00		
		Total for Check:	116653			\$280.00	\$520.00
116654	2024-02-07	HACH COMPANY	Inv# 13874555	Hydrogen Peroxide Analyzer4 St	\$36,745.54		
116654	2024-02-07	HACH COMPANY	Inv# 13874555	Hydrogen Peroxide Analyzer4 St	\$4,131.00		
116654	2024-02-07	HACH COMPANY	Inv# 13874555	Hydrogen Peroxide Analyzer4 St	\$518.74		
116654	2024-02-07	HACH COMPANY	Inv# 13874555	Freight	\$372.65		
		Total for Check:	116654			\$41,767.93	\$83,588.57
116655	2024-02-07	HAZEN AND SAWYER	Inv# 0000003	Dec23 Sunset GAP intrusion	\$24,529.25		
		Total for Check:	116655			\$24,529.25	\$64,520.84
116656	2024-02-07	HB DIGITAL ARTS & BLUEPRINT	Inv# INV-120955	BANNERS FOR TET PARADE	\$68.96		
116656	2024-02-07	HB DIGITAL ARTS & BLUEPRINT	Inv# INV-120955	BANNERS FOR TET PARADE	\$51.72		
		Total for Check:	116656			\$120.68	\$702.71
116657	2024-02-07	HOME DEPOT CREDIT SERVICES	Inv# 4627130	BPO INDUSTRIAL SUPPLIES	\$55.93		
116657	2024-02-07	HOME DEPOT CREDIT SERVICES	Inv# 8013670	BPO INDUSTRIAL SUPPLIES	\$38.50		
116657	2024-02-07	HOME DEPOT CREDIT SERVICES	Inv# 9626560	BPO INDUSTRIAL SUPPLIES	\$28.42		
		Total for Check:	116657			\$122.85	\$22,044.36

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116658	2024-02-07	IMPERIAL SPRINKLER	Inv# 0014108787-001	BPO LANDSCAPE SUPPLIES	\$130.62		
116658	2024-02-07	IMPERIAL SPRINKLER	Inv# 0014108787-001	Discount	(\$2.42)		
		Total for Check:	116658			\$128.20	\$441.95
116659	2024-02-07	IN-SITU INC.	Inv# 1NV104134	Hydrovu Data Services Plan - 2	\$220.50		
		Total for Check:	116659			\$220.50	\$5,631.54
116660	2024-02-07	INTERA INCORPORATED	Inv# 12-23-93	Dec23 N.Basin grndwtr.model	\$1,150.00		
		Total for Check:	116660			\$1,150.00	\$103,750.00
116661	2024-02-07	IRVINE PIPE & SUPPLY CO	Inv# S116923780.001	Generated by reorder 11/20/23	\$14,055.94		
116661	2024-02-07	IRVINE PIPE & SUPPLY CO	Inv# S116923780.001	S&H	\$27.19		
116661	2024-02-07	IRVINE PIPE & SUPPLY CO	Inv# S116923780.001	Discount	(\$258.50)		
116661	2024-02-07	IRVINE PIPE & SUPPLY CO	Inv# S117334147.001	BPO PIPE SUPPLIES	\$232.60		
116661	2024-02-07	IRVINE PIPE & SUPPLY CO	Inv# S117334147.001	Discount	(\$4.26)		
116661	2024-02-07	IRVINE PIPE & SUPPLY CO	Inv# S117335426.001	BPO PIPE SUPPLIES	\$136.86		
116661	2024-02-07	IRVINE PIPE & SUPPLY CO	Inv# S117335426.001	S&H	\$16.99		
116661	2024-02-07	IRVINE PIPE & SUPPLY CO	Inv# S117335426.001	Discount	(\$2.52)		
		Total for Check:	116661			\$14,204.30	\$69,342.14
116662	2024-02-07	JOE A. GONSALVES AND SON	Inv# 161299	Jan24 legis.support/SACTO	\$8,000.00		
		Total for Check:	116662			\$8,000.00	\$56,000.00
116663	2024-02-07	KDC SYSTEMS	Inv# 35407	Lab-Andover Controls Support a	\$3,000.00		
		Total for Check:	116663			\$3,000.00	\$156,353.32
116664	2024-02-07	LANCE, SOLL & LUNGHARD, LLP	Inv# 61383	2023 state controller report	\$1,159.00		
		Total for Check:	116664			\$1,159.00	\$35,253.00
116665	2024-02-07	LHOIST NORTH AMERICA	Inv# 1102400271	1/2-9 (6)lime tot.155.93 tons	\$63,619.43		
		Total for Check:	116665			\$63,619.43	\$1,043,464.07
116666	2024-02-07	MCFADDEN-DALE HARDWARE CO.	Inv# 5362175	BPO INDUSTRIAL SUPPLIES	\$34.00		
116666	2024-02-07	MCFADDEN-DALE HARDWARE CO.	Inv# 5362175	DISCOUNT	(\$0.95)		
116666	2024-02-07	MCFADDEN-DALE HARDWARE CO.	Inv# 5367845	BPO INDUSTRIAL SUPPLIES	\$55.71		
116666	2024-02-07	MCFADDEN-DALE HARDWARE CO.	Inv# 5367845	Discount	(\$1.55)		
		Total for Check:	116666			\$87.21	\$6,915.69
116667	2024-02-07	MCMaster-CARR SUPPLY COMPANY	Inv# 20802154	BPO INDUSTRIAL SUPPLIES	\$140.23		
116667	2024-02-07	MCMaster-CARR SUPPLY COMPANY	Inv# 20802154	Shipping	\$14.73		

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116667	2024-02-07	MCMaster-CARR SUPPLY COMPANY	Inv# 20802154	Discount	(\$2.80)		
116667	2024-02-07	MCMaster-CARR SUPPLY COMPANY	Inv# 21305509	Battery and High-Volt J.HAMMER	\$254.48		
116667	2024-02-07	MCMaster-CARR SUPPLY COMPANY	Inv# 21305509	Battery and High-Volt J.HAMMER	\$232.40		
116667	2024-02-07	MCMaster-CARR SUPPLY COMPANY	Inv# 21305509	Battery and High-Volt J.HAMMER	\$140.09		
116667	2024-02-07	MCMaster-CARR SUPPLY COMPANY	Inv# 21305509	Shipping	\$47.54		
116667	2024-02-07	MCMaster-CARR SUPPLY COMPANY	Inv# 21305509	Battery and High-Volt J.HAMMER	\$20.11		
116667	2024-02-07	MCMaster-CARR SUPPLY COMPANY	Inv# 21305509	Discount	(\$12.94)		
Total for Check: 116667						\$833.84	\$18,026.56
116668	2024-02-07	MICRO MOTION, INC.	Inv# 40773003	Generated by reorder 1/2/24	\$3,748.61		
116668	2024-02-07	MICRO MOTION, INC.	Inv# 40773003	Frt&handling	\$6.39		
Total for Check: 116668						\$3,755.00	\$87,022.55
116669	2024-02-07	MUNIQUEIP, LLC	Inv# 201164	Generated by reorder 12/11/23	\$906.32		
116669	2024-02-07	MUNIQUEIP, LLC	Inv# 201164	Generated by reorder 12/11/23	\$688.82		
116669	2024-02-07	MUNIQUEIP, LLC	Inv# 201164	Freight	\$20.15		
Total for Check: 116669						\$1,615.29	\$2,670.40
116670	2024-02-07	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 697695	BPO AUTO PARTS	\$18.43		
116670	2024-02-07	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 697695	Discount	(\$0.37)		
Total for Check: 116670						\$18.06	\$2,901.95
116671	2024-02-07	ODP BUSINESS SOLUTIONS LLC	Inv# 351476251001		\$100.03		
Total for Check: 116671						\$100.03	\$3,243.52
116672	2024-02-07	ONESOURCE DISTRIBUTORS INC.	Inv# S7267585.002	Allen Bradley Circuit Boards B	\$1,841.14		
116672	2024-02-07	ONESOURCE DISTRIBUTORS INC.	Inv# S7267585.002	Discount	(\$16.93)		
Total for Check: 116672						\$1,824.21	\$99,042.67
116673	2024-02-07	ORANGE COUNTY TREASURER-TAX COLLECTOR	Inv# SAR PRCL E01-706.1	September2023	\$2,420.25		
Total for Check: 116673						\$2,420.25	\$19,362.00

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116674	2024-02-07	PACIFIC HYDROTECH CORPORATION	Inv# 14	Prog.Pmt#14 SA-2021-1	\$298,680.00		
116674	2024-02-07	PACIFIC HYDROTECH CORPORATION	Inv# 3	Prog.Pmt#3 SA-2022-1	\$76,964.25		
Total for Check: 116674						\$375,644.25	\$4,770,008.28
116675	2024-02-07	AMERICAN BUSINESS BANK	Inv# ESC 8169802 RET#14	Ret#14 P.Hydro SA-2021-1	\$15,720.00		
Total for Check: 116675						\$15,720.00	\$20,401.10
116676	2024-02-07	AMERICAN BUSINESS BANK	Inv# ESC 8799804 RET#3	Ret#3 P.Hydro SA-2022-1	\$4,050.75		
Total for Check: 116676						\$4,050.75	\$23,947.19
116677	2024-02-07	PACIFIC OFFICE AUTOMATION	Inv# 962195	BPO KONICA SERVICE	\$109.35		
Total for Check: 116677						\$109.35	\$2,022.01
116678	2024-02-07	PENDERGRAFT, REX	Inv# JANUARY 2024	Retiree Cash Medical	\$412.45		
Total for Check: 116678						\$412.45	\$3,253.10
116679	2024-02-07	PHENOVA INC	Inv# 200674	SUPPLIES	\$142.05		
116679	2024-02-07	PHENOVA INC	Inv# 200674	Frts&Handling	\$39.13		
Total for Check: 116679						\$181.18	\$7,624.66
116680	2024-02-07	PURE PROCESS FILTRATION INC	Inv# 87887	ICE MACHINE WATER FILTERS	\$261.00		
116680	2024-02-07	PURE PROCESS FILTRATION INC	Inv# 87887	S&H	\$61.89		
Total for Check: 116680						\$322.89	\$1,769.27
116681	2024-02-07	QUINN COMPANY	Inv# PC830417979	BPO EQUIPMENT & SUPPLIES	\$676.82		
Total for Check: 116681						\$676.82	\$2,071,224.32
116682	2024-02-07	RAINBOW DISPOSAL CO INC	Inv# 0605-001057101	BPO TRASH SERVICE	\$6,603.77		
Total for Check: 116682						\$6,603.77	\$50,393.90
116683	2024-02-07	RAINS-FLO MFG., CO. INC.	Inv# 065526	Generated by reorder 1/8/24 7:	\$4,936.00		
116683	2024-02-07	RAINS-FLO MFG., CO. INC.	Inv# 065526	freight	\$27.01		
Total for Check: 116683						\$4,963.01	\$9,424.39
116684	2024-02-07	RAYMOND HANDLING SOLUTIONS	Inv# W11662242	BPO FORKLIFT SERVICE	\$117.00		
Total for Check: 116684						\$117.00	\$1,527.00
116685	2024-02-07	INTERSTATE BILLING SERVICE, INC.	Inv# 3035861898	BPO TRUCK PARTS	\$334.03		
Total for Check: 116685						\$334.03	\$12,143.53
116686	2024-02-07	Reynoso, Octavio	Inv# JUN23-JAN24 STIPENDS	6/14/23-1/28/24	\$280.00		
Total for Check: 116686						\$280.00	\$660.00

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116687	2024-02-07	SAN DIEGO FLUID SYSTEM TECHNOLOGIES	Inv# 99286	1/4in Metering Valves - Resear	\$944.82		
116687	2024-02-07	SAN DIEGO FLUID SYSTEM TECHNOLOGIES	Inv# 99286	Freight	\$18.67		
Total for Check: 116687						\$963.49	\$5,533.75
116688	2024-02-07	SANTA ANA, CITY OF	Inv# 5-3995.300_20240124	11.08.23-01.11.24	\$410.35		
Total for Check: 116688						\$410.35	\$1,001,641.40
116689	2024-02-07	SOUTHWEST MATERIAL HANDLING INC.	Inv# PSVI-153675		\$152.00		
116689	2024-02-07	SOUTHWEST MATERIAL HANDLING INC.	Inv# PSVI-153675	OPEN SERVICE BPO	\$37.93		
Total for Check: 116689						\$189.93	\$3,334.00
116690	2024-02-07	STATE OF CALIFORNIA	Inv# 12-ORA-057-0010-04		\$810.00		
Total for Check: 116690						\$810.00	\$5,670.00
116691	2024-02-07	SUNSET INDUSTRIAL PARTS	Inv# INV66384	4in Green Sump Pump Hoses	\$983.51		
Total for Check: 116691						\$983.51	\$9,195.51
116692	2024-02-07	Safarik, Jana	Inv# JUL-DEC23 STIPENDS	Jul-Dec23 stipends (6)	\$240.00		
Total for Check: 116692						\$240.00	\$1,411.11
116693	2024-02-07	THE PRINTERY INC	Inv# 139899	PRINT JOB - GWRS TECH BROCHURE	\$5,262.09		
Total for Check: 116693						\$5,262.09	\$8,309.84
116694	2024-02-07	TOM'S TRUCK CENTER, INC	Inv# 1325618	BPO FORD PARTS	\$979.06		
116694	2024-02-07	TOM'S TRUCK CENTER, INC	Inv# 1325618		\$27.00		
116694	2024-02-07	TOM'S TRUCK CENTER, INC	Inv# 1325955	BPO FORD PARTS	\$268.67		
116694	2024-02-07	TOM'S TRUCK CENTER, INC	Inv# 1325955		\$27.00		
Total for Check: 116694						\$1,301.73	\$30,102.75
116695	2024-02-07	TROJAN TECHNOLOGIES, INC.	Inv# 200 / 19660	Generated by reorder 1/3/24 2:	\$299.50		
116695	2024-02-07	TROJAN TECHNOLOGIES, INC.	Inv# 200 / 19660	Freight	\$17.75		
Total for Check: 116695						\$317.25	\$731,936.85
116696	2024-02-07	U.S. BANK	Inv# 14105480	12.01.23-12.31.23	\$1,195.67		
Total for Check: 116696						\$1,195.67	\$36,000.96
116697	2024-02-07	UNIFIRST CORPORATION	Inv# 2190111157	1557	\$9.10		
116697	2024-02-07	UNIFIRST CORPORATION	Inv# 2190111158	1557	\$134.34		
116697	2024-02-07	UNIFIRST CORPORATION	Inv# 2190111159	1557	\$250.72		
116697	2024-02-07	UNIFIRST CORPORATION	Inv# 2190111160	1557	\$38.55		

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116697	2024-02-07	UNIFIRST CORPORATION	Inv# 2190111161	1557	\$618.09		
116697	2024-02-07	UNIFIRST CORPORATION	Inv# 2190111163	1557	\$24.14		
116697	2024-02-07	UNIFIRST CORPORATION	Inv# 2200088032	1557	\$33.34		
		Total for Check:	116697			\$1,108.28	\$2,278.71
116698	2024-02-07	UNITED PARCEL SERVICE	Inv# 0000X81601054_20240203		\$174.87		
		Total for Check:	116698			\$174.87	\$4,151.85
116699	2024-02-07	UNITED STATES GEOLOGICAL SURVEY	Inv# 91132743		\$11,675.00		
		Total for Check:	116699			\$11,675.00	\$34,440.00
116700	2024-02-07	UNITED WATER WORKS INC	Inv# S100123159.002	20" x 36" AIR VAC Covers - San	\$654.06		
		Total for Check:	116700			\$654.06	\$2,651.79
116701	2024-02-07	UNIVAR SOLUTIONS USA	Inv# 51817596	1/3 23.588 ton sulfuric acid	\$5,330.89		
116701	2024-02-07	UNIVAR SOLUTIONS USA	Inv# 51817596	discount	(\$106.62)		
116701	2024-02-07	UNIVAR SOLUTIONS USA	Inv# 51820987	2/1 23.563 ton sulfuric acid	\$5,325.24		
116701	2024-02-07	UNIVAR SOLUTIONS USA	Inv# 51820987	discount	(\$106.50)		
116701	2024-02-07	UNIVAR SOLUTIONS USA	Inv# 51820989	2/1 23.46 ton sulfuric acid	\$5,301.96		
116701	2024-02-07	UNIVAR SOLUTIONS USA	Inv# 51820989	discount	(\$106.04)		
116701	2024-02-07	UNIVAR SOLUTIONS USA	Inv# 51825257	2/2 525 gal s.bisulfite	\$1,079.07		
116701	2024-02-07	UNIVAR SOLUTIONS USA	Inv# 51825257	discount	(\$21.58)		
		Total for Check:	116701			\$16,696.42	\$474,168.53
116702	2024-02-07	UNIVERSAL BACKGROUND SCREENING INC	Inv# 202401008258	BPO BACKGROUND CHECK	\$550.42		
		Total for Check:	116702			\$550.42	\$6,304.95
116703	2024-02-07	UTILIQUEST LLC	Inv# 330946-Q	12/31-1/6 screen/mark pipes	\$836.43		
116703	2024-02-07	UTILIQUEST LLC	Inv# 330946-Q	12/31-1/6 screen/mark pipes	\$487.92		
116703	2024-02-07	UTILIQUEST LLC	Inv# 330946-Q	12/31-1/6 screen/mark pipes	\$59.80		
116703	2024-02-07	UTILIQUEST LLC	Inv# 330946-Q	12/31-1/6 screen/mark pipes	\$9.90		
		Total for Check:	116703			\$1,394.05	\$67,210.10
116704	2024-02-07	VEOLIA WTS SERVICES USA INC	Inv# 902495854	Generated by reorder 1/2/24	\$16,149.38		
116704	2024-02-07	VEOLIA WTS SERVICES USA INC	Inv# 902495854	freight	\$538.10		
		Total for Check:	116704			\$16,687.48	\$167,674.82
116705	2024-02-07	VWR INTERNATIONAL LLC	Inv# 8814957673		\$79.47		
116705	2024-02-07	VWR INTERNATIONAL LLC	Inv# 8815000409	Generated by reorder 12/20/23	\$345.80		

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
Total for Check:		116705				\$425.27	\$75,878.43
116706	2024-02-07	VertiGIS North America Ltd.	Inv# IN-VGNA-00006106	VertiGIS Software Suport & Co	\$10,200.00		
116706	2024-02-07	VertiGIS North America Ltd.	Inv# IN-VGNA-00006106		\$9,350.00		
116706	2024-02-07	VertiGIS North America Ltd.	Inv# IN-VGNA-00006106		\$850.00		
116706	2024-02-07	VertiGIS North America Ltd.	Inv# IN-VGNA-00006106		(\$10,200.00)		
Total for Check:		116706				\$10,200.00	\$10,200.00
116707	2024-02-07	WASTE MANAGEMENT CORPORATE SERVICES INC	Inv# 1063502-4946-7	02.01.24-02.29.24	\$205.51		
Total for Check:		116707				\$205.51	\$1,647.16
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932250	1/22 4905 gal s.hypochlorite	\$8,445.92		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932250	discount	(\$168.92)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932251	1/22 4972 gal s.hypochlorite	\$8,561.29		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932251	discount	(\$171.23)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932252	1/22 4869 gal s.hypochlorite	\$8,383.93		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932252	discount	(\$167.68)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932253	1/22 4972 gal s.hypochlorite	\$8,561.29		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932253	discount	(\$171.23)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932348	1/23 4850 gal s.hypochlorite	\$8,351.22		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932348	discount	(\$167.02)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932349	1/23 4976 gal s.hypochlorite	\$8,568.17		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932349	discount	(\$171.36)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932350	1/23 4810 gal s.hypochlorite	\$8,282.34		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932350	discount	(\$165.65)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932351	1/23 4857 gal s.hypochlorite	\$8,363.27		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932351	discount	(\$167.27)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932544	credit for 932134	(\$17.22)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932552	1/25 4934 gal s.hypochlorite	\$8,495.85		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932552	discount	(\$169.92)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932553	1/25 4922 gal s.hypochlorite	\$8,475.19		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932553	discount	(\$169.50)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932554	1/25 4962 gal s.hypochlorite	\$8,544.07		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932554	discount	(\$170.88)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932555	1/25 4883 gal s.hypochlorite	\$8,408.04		

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978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932555	discount	(\$168.16)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932656	1/26 4901 gal s.hypochlorite	\$8,439.03		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932656	discount	(\$168.78)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932658	1/26 4996 gal s.hypochlorite	\$8,602.61		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932658	discount	(\$172.05)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932659	1/26 4986 gal s.hypochlorite	\$8,585.39		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932659	discount	(\$171.71)		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932675	1/26 4980 gal s.hypochlorite	\$8,575.06		
978312	2024-02-01	JCI JONES CHEMICAL, INC	Inv# 932675	discount	(\$171.50)		
Total for Check:		978312				\$132,912.59	\$531,754.39
978313	2024-02-01	FIDELITY INVESTMENTS	Inv# FEBRUARY 1, 2024 401A #89137	Fidelity 401a Plan	\$6,535.63		
Total for Check:		978313				\$6,535.63	\$1,658,402.58
978314	2024-02-01	FIDELITY INVESTMENTS	Inv# FEBRUARY 1, 2024 457B Plan#89148	Fidelity 457b	\$5,986.55		
Total for Check:		978314				\$5,986.55	\$712,357.47
978315	2024-02-02	U.S. BANK TRUST	Inv# COMM PPR TAX EXEMPT	Attn: Rosalyn Callender	\$32,778.69		
Total for Check:		978315				\$32,778.69	\$14,934,088.47
978316	2024-02-07	U.S. BANK NA	Inv# COP 2203A INT 01/03-02/06 Nguyen-Dao	Attn: Hong-	\$279,315.07		
Total for Check:		978316				\$279,315.07	\$33,788,892.25
978317	2024-02-06	WELLS FARGO BANK	Inv# FEBRUARY 7, 2024 #6527	Feb.7,24 PR#3 #6527	\$43,197.95		
Total for Check:		978317				\$43,197.95	\$15,336,140.76
978318	2024-02-06	WELLS FARGO BANK	Inv# FEBRUARY 7, 2024 #6911	Feb 7,24 PR#3 #6911	\$1,052,223.76		
Total for Check:		978318				\$1,052,223.76	\$15,336,140.76
978319	2024-02-06	WELLS FARGO BANK	Inv# FEBRUARY 7, 24 GARNABF GARNABF	Feb 7,24 PR#03	\$2,159.53		
Total for Check:		978319				\$2,159.53	\$15,336,140.76
978320	2024-02-07	FIDELITY INVESTMENTS	Inv# FEBRUARY 7, 2024 401A 89137 401a	Feb 7, 24 PR#3 Plan	\$215,341.52		
Total for Check:		978320				\$215,341.52	\$1,658,402.58
978321	2024-02-07	FIDELITY INVESTMENTS	Inv# FEBRUARY7, 2024 457B	Feb 7, 24 PR#3 457b	\$140,592.30		
Total for Check:		978321				\$140,592.30	\$712,357.47
978322	2024-02-07	FIDELITY INVESTMENTS	Inv# FEBRUARY7, 2024 457B	Feb 7, 24 PR#3 457b	\$140,592.30		

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978322	2024-02-07	FIDELITY INVESTMENTS	Inv# FEBRUARY7, 2024 457B	Feb 7, 24 PR#3 457b	(\$140,592.30)		
Total for Check: 978322						\$0.00	\$712,357.47
978323	2024-02-01	Wedge, Marc	Inv# FINAL PR CK#2345	Final PR CK#2345	\$4,616.83		
Total for Check: 978323						\$4,616.83	\$39,742.53
978324	2024-02-01	Wedge, Marc	Inv# FINAL PR CK#2346	Final PR CK#2346	\$35,125.70		
Total for Check: 978324						\$35,125.70	\$39,742.53
978325	2024-02-02	Ishida, Kenneth P.	Inv# FINAL CK#2347	Final PR CK#2347	\$5,722.51		
Total for Check: 978325						\$5,722.51	\$79,577.25
978326	2024-02-02	Ishida, Kenneth P.	Inv# FINAL CK#2348	Final PR CK#2348	\$73,854.74		
Total for Check: 978326						\$73,854.74	\$79,577.25
979318	2024-02-06	WELLS FARGO BANK	Inv# FEBRUARY 7, 2024 #6911	Feb 7,24 PR#3 #6911	\$1,052,223.76		
979318	2024-02-06	WELLS FARGO BANK	Inv# FEBRUARY 7, 2024 #6911	Feb 7,24 PR#3 #6911	(\$1,052,223.76)		
Total for Check: 979318						\$0.00	\$15,336,140.76
Run Date: 2/7/2024					\$3,530,713.27	\$3,530,713.27	

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
803822	2024-02-14	ALTA FOODCRAFT	Inv# 12403449	BPO FIRST AID SUPPLIES	\$222.70		
803822	2024-02-14	ALTA FOODCRAFT	Inv# 12403449		\$12.95		
		Total for Check:	803822			\$235.65	\$14,253.72
803823	2024-02-14	EWING IRRIGATION	Inv# 21386698	SANTIAGO MITIGATION	\$4,101.50		
		Total for Check:	803823			\$4,101.50	\$6,640.45
803824	2024-02-14	GOPHER PATROL	Inv# 11230902	Gopher Pest Control FHQ	\$525.00		
803824	2024-02-14	GOPHER PATROL	Inv# 11252567	RODENT CONTROL AT THE FRLAB	\$1,000.00		
		Total for Check:	803824			\$1,525.00	\$6,495.00
803825	2024-02-14	IRON MOUNTAIN	Inv# JDTV566	BPO ARCHIVAL SERVICES	\$4,770.54		
		Total for Check:	803825			\$4,770.54	\$51,107.66
803826	2024-02-14	SIGMA-ALDRICH, INC.	Inv# 561802256	SUPPLIES	\$1,211.48		
803826	2024-02-14	SIGMA-ALDRICH, INC.	Inv# 561802256	Handling	\$19.62		
803826	2024-02-14	SIGMA-ALDRICH, INC.	Inv# 561807894	SUPPLIES	\$91.02		
803826	2024-02-14	SIGMA-ALDRICH, INC.	Inv# 561807894	Handling	\$43.86		
803826	2024-02-14	SIGMA-ALDRICH, INC.	Inv# 561810134	SUPPLIES	\$398.03		
803826	2024-02-14	SIGMA-ALDRICH, INC.	Inv# 561810134	Handling	\$66.95		
		Total for Check:	803826			\$1,830.96	\$16,684.28
803827	2024-02-14	SPEX CERTIPREP, LLC	Inv# 491386	SUPPLIES	\$77.00		
803827	2024-02-14	SPEX CERTIPREP, LLC	Inv# 491386		\$16.09		
803827	2024-02-14	SPEX CERTIPREP, LLC	Inv# 491387	SUPPLIES	\$112.00		
803827	2024-02-14	SPEX CERTIPREP, LLC	Inv# 491387	freight	\$16.09		
		Total for Check:	803827			\$221.18	\$7,292.03
803828	2024-02-14	WECK LABORATORIES, INC.	Inv# W4A1151	BPO WATER ANALYSES	\$220.00		
		Total for Check:	803828			\$220.00	\$14,639.25
803829	2024-02-14	WESTAIR GASES & EQUIPMENT	Inv# 0011771118	Recharge-oxygen,acetylene	\$227.63		
803829	2024-02-14	WESTAIR GASES & EQUIPMENT	Inv# 0011771118	hazardous material	\$16.04		
803829	2024-02-14	WESTAIR GASES & EQUIPMENT	Inv# 0011771582	Lab-helium,nitrogen	\$1,539.68		
803829	2024-02-14	WESTAIR GASES & EQUIPMENT	Inv# 0011771582	Haz.m,frt,surcharges	\$872.57		
		Total for Check:	803829			\$2,655.92	\$71,037.03

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\$15,560.75

\$15,560.75

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116334	2024-01-17	ACE CRANE SERVICE, INC.	Inv# 31764		(\$24.22)		
116334	2024-01-17	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	(\$214.31)		
116334	2024-01-17	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	(\$304.50)		
116334	2024-01-17	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	(\$574.20)		
116334	2024-01-17	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	(\$806.53)		
116334	2024-01-17	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	(\$2,017.67)		
116334	2024-01-17	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	(\$2,017.67)		
Total for Check: 116334						(\$5,959.10)	\$22,656.81
116394	2024-01-17	LHOIST NORTH AMERICA	Inv# 1102330965	12/19 (2)lime 25.85,25.29 tons	(\$20,865.12)		
116394	2024-01-17	LHOIST NORTH AMERICA	Inv# 1102331127	12/21 25.65 tons lime	(\$10,465.20)		
116394	2024-01-17	LHOIST NORTH AMERICA	Inv# 1102331176	12/21 25.52 ton lime	(\$10,412.16)		
Total for Check: 116394						(\$41,742.48)	\$1,085,953.20
116665	2024-02-07	LHOIST NORTH AMERICA	Inv# 1102400271	1/2-9 (6)lime tot.155.93 tons	(\$63,619.43)		
Total for Check: 116665						(\$63,619.43)	\$1,085,953.20
116708	2024-02-14	ABSOLUTE STANDARDS, INC.	Inv# 228130	SUPPLIES	\$148.75		
116708	2024-02-14	ABSOLUTE STANDARDS, INC.	Inv# 228130	SUPPLIES	\$148.75		
116708	2024-02-14	ABSOLUTE STANDARDS, INC.	Inv# 228130	Shipping	\$15.00		
116708	2024-02-14	ABSOLUTE STANDARDS, INC.	Inv# 231800	SUPPLIES	\$382.50		
Total for Check: 116708						\$695.00	\$10,144.00
116709	2024-02-14	ACCUSTANDARD, INC.	Inv# 996993	SUPPLIES	\$119.63		
116709	2024-02-14	ACCUSTANDARD, INC.	Inv# 996993	Shipping	\$17.73		
116709	2024-02-14	ACCUSTANDARD, INC.	Inv# 996993	Handling	\$10.88		
Total for Check: 116709						\$148.24	\$9,721.59
116710	2024-02-14	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	\$2,017.67		
116710	2024-02-14	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	\$2,017.67		
116710	2024-02-14	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	\$806.53		
116710	2024-02-14	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	\$574.20		
116710	2024-02-14	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	\$304.50		
116710	2024-02-14	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	\$214.31		
116710	2024-02-14	ACE CRANE SERVICE, INC.	Inv# 31764	JDN Monocrane Parts (memsap)	\$24.22		
Total for Check: 116710						\$5,959.10	\$22,656.81
116711	2024-02-14	ACE LAWN MOWER & SAW	Inv# 275797	BPO EQUIPMENT REPAIR	\$23.90		

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		Total for Check:	116711			\$23.90	\$38.03
116712	2024-02-14	ACWA	Inv# ACWA SPONSORSHIP	SPONSORSHIP	\$10,800.00		
		Total for Check:	116712			\$10,800.00	\$33,337.00
116713	2024-02-14	ACWA/JPIA	Inv# 701826 MARCH2024 2024	Health Insurance March	\$479,977.66		
		Total for Check:	116713			\$479,977.66	\$3,612,974.67
116714	2024-02-14	AECOM TECHNICAL SERVICES, INC.	Inv# 2000845317	11/25-12/22 PFAS IRWD OPA wo#1	\$2,890.00		
		Total for Check:	116714			\$2,890.00	\$113,639.72
116715	2024-02-14	AGILENT TECHNOLOGIES, INC.	Inv# 127102822	SUPPLIES	\$184.44		
116715	2024-02-14	AGILENT TECHNOLOGIES, INC.	Inv# 127102822	Shipping	\$8.70		
		Total for Check:	116715			\$193.14	\$298,020.02
116716	2024-02-14	AKESO OCCUPATIONAL HEALTH	Inv# EM001929	DOT PHYSICALS BPO	\$1,005.00		
		Total for Check:	116716			\$1,005.00	\$6,269.92
116717	2024-02-14	ALLIANT INSURANCE SERVICES INC	Inv# 2544218	INSURANCE BROKER BPO	\$6,249.99		
		Total for Check:	116717			\$6,249.99	\$19,147.01
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 16MP-KPGF-DVPH	OFFICE EQUIPMENT	\$347.99		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 16MP-KPGF-DVPH	OFFICE EQUIPMENT	\$108.73		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 16MP-KPGF-DVPH		\$5.00		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 196C-G4MR-L6WJ	Computer Accesories	\$54.36		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 196C-G4MR-L6WJ	Computer Accesories	\$46.48		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 196C-G4MR-L6WJ	Computer Accesories	\$29.36		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 196C-G4MR-L6WJ	Computer Accesories	\$14.14		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 196C-G4MR-L6WJ	Computer Accesories	\$13.00		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 196C-G4MR-L6WJ	Computer Accesories	\$10.33		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 1CW1-YCCM-FMDV 3	Generated by reorder 1/11/24	\$255.02		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 1CW1-YCCM-FMDV 3	Generated by reorder 1/11/24	\$201.68		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 1M4K-33L7-KTN9	Watermaster Paper Supplies	\$34.78		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 1M4K-33L7-KTN9	Watermaster Paper Supplies	\$16.63		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 1TMV-1TTV-JNHL		\$44.34		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 1TMV-1TTV-JNHL		\$25.55		

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116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 1WTH-H3DX-H3CF	SUPPLIES/GEAR/EQUIP	\$28.26		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 1WTH-H3DX-H3CF	SUPPLIES/GEAR/EQUIP	\$9.54		
116719	2024-02-14	AMAZON CAPITAL SERVICES, INC	Inv# 1WTH-H3DX-H3CF	SUPPLIES/GEAR/EQUIP	\$7.82		
		Total for Check:	116719			\$1,253.01	\$29,931.25
116720	2024-02-14	AT & T	Inv# 000021133869	12/17/23 - 01/16/24	\$1,073.46		
		Total for Check:	116720			\$1,073.46	\$1,073.46
116721	2024-02-14	B & M LAWN & GARDEN CENTER	Inv# 625745	BPO LANDSCAPING SUPPLIES	\$135.10		
		Total for Check:	116721			\$135.10	\$2,656.66
116722	2024-02-14	BANK OF AMERICA, N.A.	Inv# 681759180086PAY	FEB24	\$295.00		
		Total for Check:	116722			\$295.00	\$344,949.89
116723	2024-02-14	BC WIRE ROPE & RIGGING	Inv# 0377846-IN	SLR Winch Repair and Recertify	\$1,522.50		
		Total for Check:	116723			\$1,522.50	\$13,021.51
116724	2024-02-14	BEES LIGHTING	Inv# INV1001864	Generated by reorder 12/20/23	\$3,119.08		
116724	2024-02-14	BEES LIGHTING	Inv# INV1001864	Generated by reorder 12/20/23	\$3,119.03		
		Total for Check:	116724			\$6,238.11	\$11,498.75
116725	2024-02-14	BUTIER ENGINEERING, INC.	Inv# OCWD 1558 001	Dec23 PFAS TUS-2022-1	\$5,850.00		
		Total for Check:	116725			\$5,850.00	\$5,850.00
116726	2024-02-14	Bouyounes, Pauline	Inv# JUL-DEC23 TRAVELS	Jul-Dec23 travels	\$128.42		
		Total for Check:	116726			\$128.42	\$603.84
116727	2024-02-14	CALTROL INC.	Inv# CD99193712	Square Nut Actuators	\$163.13		
116727	2024-02-14	CALTROL INC.	Inv# CD99193712	Shipping	\$13.06		
		Total for Check:	116727			\$176.19	\$169,300.79
116728	2024-02-14	CART MART, INC	Inv# 295906	BPO	\$102.60		
116728	2024-02-14	CART MART, INC	Inv# 295906		\$32.31		
		Total for Check:	116728			\$134.91	\$499.59
116729	2024-02-14	CDN ISOTOPES INC.	Inv# 134351	SUPPLIES	\$640.00		
116729	2024-02-14	CDN ISOTOPES INC.	Inv# 134351	SUPPLIES	\$325.00		
116729	2024-02-14	CDN ISOTOPES INC.	Inv# 134351	Freight	\$90.00		
		Total for Check:	116729			\$1,055.00	\$3,230.00
116730	2024-02-14	CITY OF ORANGE	Inv# 00095690-00_20240205	11.28.23-02.01.24	\$163.13		
		Total for Check:	116730			\$163.13	\$200,873.13
116731	2024-02-14	COMMERCIAL DOOR OF ORANGE CO.	Inv# 27679	Motor Replacement at the Polym	\$5,878.75		

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
Total for Check:		116731				\$5,878.75	\$13,626.80
116732	2024-02-14	DXP ENTERPRISES, INC.	Inv# 54174158	RO F01 Pump Shaft and Pump Reb	\$58,588.84		
116732	2024-02-14	DXP ENTERPRISES, INC.	Inv# 54174158	RO F01 Pump Shaft and Pump Reb	\$44,257.00		
116732	2024-02-14	DXP ENTERPRISES, INC.	Inv# 54174158	Freight	\$470.71		
Total for Check:		116732				\$103,316.55	\$160,599.98
116733	2024-02-14	COUNTY OF ORANGE	Inv# Z2445179		\$1,098.93		
Total for Check:		116733				\$1,098.93	\$44,496.35
116734	2024-02-14	CPI INTERNATIONAL	Inv# 20063598		\$713.40		
116734	2024-02-14	CPI INTERNATIONAL	Inv# 20063598		\$632.93		
116734	2024-02-14	CPI INTERNATIONAL	Inv# 20063598		\$613.35		
116734	2024-02-14	CPI INTERNATIONAL	Inv# 20063598		\$438.25		
116734	2024-02-14	CPI INTERNATIONAL	Inv# 20063598		\$228.38		
116734	2024-02-14	CPI INTERNATIONAL	Inv# 20063598		\$184.88		
116734	2024-02-14	CPI INTERNATIONAL	Inv# 20063695	SUPPLIES	\$72.86		
116734	2024-02-14	CPI INTERNATIONAL	Inv# 20063695	Shipping	\$20.83		
116734	2024-02-14	CPI INTERNATIONAL	Inv# 20063695		(\$1.34)		
Total for Check:		116734				\$2,903.54	\$7,434.03
116735	2024-02-14	CWEA	Inv# J. PANNELLA CERT RENEWAL		\$103.00		
Total for Check:		116735				\$103.00	\$4,553.00
116736	2024-02-14	DAVID WILSON'S VILLA FORD	Inv# REC83253	FORD F-250	\$52,576.61		
Total for Check:		116736				\$52,576.61	\$153,954.34
116737	2024-02-14	DAVIDSON, ELY	Inv# JUL23-JAN24 STIPENDS	7/12/23-1/11/24 phone stipends	\$240.00		
Total for Check:		116737				\$240.00	\$240.00
116738	2024-02-14	DIAMOND ENVIRONMENTAL SERVICES	Inv# 0005205532	BPO PORTA POTTY	\$259.66		
116738	2024-02-14	DIAMOND ENVIRONMENTAL SERVICES	Inv# 0005205532	BPO PORTA POTTY	\$95.48		
Total for Check:		116738				\$355.14	\$3,272.14
116739	2024-02-14	DOPUDJA & WELLS CONSULTING INC	Inv# 1384	Thru 11/30 advisory consulting	\$590.00		
Total for Check:		116739				\$590.00	\$5,100.00
116740	2024-02-14	Drain, Matthew	Inv# JUL-DEC23 STIPENDS	7/27-12/26/23 stipends (6)	\$240.00		
Total for Check:		116740				\$240.00	\$480.00

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116741	2024-02-14	EDELSTEIN GILBERT ROBSON AND SMITH	Inv# 1485	Oct23 legis.support/SACTO	\$8,000.00		
116741	2024-02-14	EDELSTEIN GILBERT ROBSON AND SMITH	Inv# 1520	Nov23 legis.support/SACTO	\$8,000.00		
116741	2024-02-14	EDELSTEIN GILBERT ROBSON AND SMITH	Inv# 1575	Dec23 legis.support/SACTO	\$8,000.00		
Total for Check: 116741						\$24,000.00	\$56,000.00
116742	2024-02-14	ENVIRONMENTAL EXPRESS	Inv# 1000770037	SUPPLIES	\$371.93		
116742	2024-02-14	ENVIRONMENTAL EXPRESS	Inv# 1000770037		\$33.88		
Total for Check: 116742						\$405.81	\$3,952.84
116743	2024-02-14	ENVIRONMENTAL SCIENCE ASSOCIATES	Inv# 192556	Dec23 wo#11 Sunset GAP archaeo	\$868.35		
Total for Check: 116743						\$868.35	\$37,678.61
116744	2024-02-14	ENVIRONMENTAL TRAINING AND	Inv# 41120	HAZMAT Training	\$310.00		
Total for Check: 116744						\$310.00	\$1,868.60
116745	2024-02-14	EST ANALYTICAL	Inv# I090257	SUPPLIES	\$1,664.65		
116745	2024-02-14	EST ANALYTICAL	Inv# I090257	Freight	\$19.44		
Total for Check: 116745						\$1,684.09	\$22,847.19
116746	2024-02-14	EUROFINS ENVIRONMENT TESTING SW LLC	Inv# 5700164210	SAMPLE ANALYSIS	\$202.50		
Total for Check: 116746						\$202.50	\$3,975.00
116747	2024-02-14	FACTORY MOTOR PARTS	Inv# 164-311641	BPO AUTO PARTS	\$129.90		
116747	2024-02-14	FACTORY MOTOR PARTS	Inv# 164-311641	Battery Fee	\$2.00		
Total for Check: 116747						\$131.90	\$10,553.49
116748	2024-02-14	FEDERAL EXPRESS CORPORATION	Inv# 8-403-73660	Package Delivery	\$561.79		
116748	2024-02-14	FEDERAL EXPRESS CORPORATION	Inv# 8-403-73661	Package Delivery	\$171.19		
Total for Check: 116748						\$732.98	\$12,162.63
116749	2024-02-14	FIRELINE BROADBAND	Inv# 95762	INTERNET SERVICE FOR PRADO	\$825.00		
Total for Check: 116749						\$825.00	\$6,600.00
116750	2024-02-14	FISHER SCIENTIFIC CO.	Inv# 8822459	SUPPLIES	\$266.60		
116750	2024-02-14	FISHER SCIENTIFIC CO.	Inv# 8854363	SUPPLIES	\$50.98		
116750	2024-02-14	FISHER SCIENTIFIC CO.	Inv# 8854363	Shipping	\$16.50		
116750	2024-02-14	FISHER SCIENTIFIC CO.	Inv# 8854363	Shipping	\$7.45		

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116750	2024-02-14	FISHER SCIENTIFIC CO.	Inv# 8885473		\$57.29		
		Total for Check:	116750			\$398.82	\$145,011.77
116751	2024-02-14	FRONTIER COMMUNICATIONS	Inv# 7149641492_20240221	01/28/24-02/27/24	\$60.99		
		Total for Check:	116751			\$60.99	\$32,593.56
116752	2024-02-14	FRUIT GROWERS LABORATORY INC	Inv# 319717A	BPO RADIOACTIVITY ANAYLSES	\$392.00		
		Total for Check:	116752			\$392.00	\$31,409.00
116753	2024-02-14	GEIGER	Inv# 7503.75	PEN, BOWIE SOFTY W/STYLUS	\$7,503.75		
		Total for Check:	116753			\$7,503.75	\$32,862.32
116754	2024-02-14	GOVERNMENTJOBS.COM, INC.	Inv# INV-39645	NeoGov	\$7,948.92		
		Total for Check:	116754			\$7,948.92	\$7,948.92
116756	2024-02-14	GRAINGER INC.	Inv# 9948954194		\$1,214.89		
116756	2024-02-14	GRAINGER INC.	Inv# 9948954202	Generated by reorder 12/27/23	\$70.43		
116756	2024-02-14	GRAINGER INC.	Inv# 9948954202	Generated by reorder 12/27/23	\$35.73		
116756	2024-02-14	GRAINGER INC.	Inv# 9948954202	Generated by reorder 12/27/23	\$24.34		
116756	2024-02-14	GRAINGER INC.	Inv# 9948954210	Generated by reorder 12/27/23	\$82.43		
116756	2024-02-14	GRAINGER INC.	Inv# 9950500521		\$447.92		
116756	2024-02-14	GRAINGER INC.	Inv# 9951699041		\$141.78		
116756	2024-02-14	GRAINGER INC.	Inv# 9951699058		\$374.99		
116756	2024-02-14	GRAINGER INC.	Inv# 9951699066	Credit Inv# 9948954202	(\$35.73)		
116756	2024-02-14	GRAINGER INC.	Inv# 9952158963	Anti-Seize Compound, Permatex	\$35.73		
116756	2024-02-14	GRAINGER INC.	Inv# 9953453025	Generated by reorder 1/3/24 10	\$98.01		
116756	2024-02-14	GRAINGER INC.	Inv# 9953758597	BPO INDUSTRIAL SUPPLIES	\$50.93		
116756	2024-02-14	GRAINGER INC.	Inv# 9953760965	Generated by reorder 1/3/24 10	\$244.46		
116756	2024-02-14	GRAINGER INC.	Inv# 9953760965	Generated by reorder 1/3/24 10	\$65.85		
116756	2024-02-14	GRAINGER INC.	Inv# 9953760965	Generated by reorder 1/3/24 10	\$42.77		
		Total for Check:	116756			\$2,894.53	\$131,342.04
116757	2024-02-14	GRAYBAR ELECTRIC COMPANY, INC.	Inv# 9335816331	Replacement for 9335774659	\$84.69		
116757	2024-02-14	GRAYBAR ELECTRIC COMPANY, INC.	Inv# 9335856706	Credit for INV 9335774659	(\$77.88)		
		Total for Check:	116757			\$6.81	\$15,339.07
116758	2024-02-14	GREEN THUMB, LLC	Inv# 20240169	BPO PLANT SERVICE	\$291.56		

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116758	2024-02-14	GREEN THUMB, LLC	Inv# 20240169	BPO PLANT SERVICE	\$102.44		
		Total for Check:	116758			\$394.00	\$3,405.91
116759	2024-02-14	GROUNDWATER RESOURCES ASSOC.	Inv# 25840	Membership Renewal 2024	\$1,500.00		
		Total for Check:	116759			\$1,500.00	\$1,525.00
116760	2024-02-14	HACH COMPANY	Inv# 13888648	Generated by reorder 1/16/24 1	\$689.69		
116760	2024-02-14	HACH COMPANY	Inv# 13888648	Generated by reorder 1/16/24 1	\$659.03		
116760	2024-02-14	HACH COMPANY	Inv# 13888648	Freight	\$30.45		
116760	2024-02-14	HACH COMPANY	Inv# 13889085	Generated by reorder 1/16/24 1	\$659.03		
		Total for Check:	116760			\$2,038.20	\$85,626.77
116761	2024-02-14	HB DIGITAL ARTS & BLUEPRINT	Inv# INV-121076	Plan Prints	\$407.26		
		Total for Check:	116761			\$407.26	\$1,109.97
116762	2024-02-14	HOME DEPOT CREDIT SERVICES	Inv# 2902832	BPO INDUSTRIAL SUPPLIES	\$100.00		
116762	2024-02-14	HOME DEPOT CREDIT SERVICES	Inv# 303678	CONTRACT Credit Bal for Contract	(\$24.50)		
116762	2024-02-14	HOME DEPOT CREDIT SERVICES	Inv# 6523632	BPO INDUSTRIAL SUPPLIES	\$67.21		
116762	2024-02-14	HOME DEPOT CREDIT SERVICES	Inv# 6615619	BPO INDUSTRIAL SUPPLIES	\$34.42		
116762	2024-02-14	HOME DEPOT CREDIT SERVICES	Inv# 7075140	BPO INDUSTRIAL SUPPLIES	\$224.89		
116762	2024-02-14	HOME DEPOT CREDIT SERVICES	Inv# 8522422	BPO INDUSTRIAL SUPPLIES	\$33.26		
116762	2024-02-14	HOME DEPOT CREDIT SERVICES	Inv# 8634689	BPO INDUSTRIAL SUPPLIES	\$33.82		
		Total for Check:	116762			\$469.10	\$22,513.46
116763	2024-02-14	INDUSTRIAL METAL SUPPLY CO.	Inv# 2345023	4x8 metal sheets for Research	\$289.09		
116763	2024-02-14	INDUSTRIAL METAL SUPPLY CO.	Inv# 2345023	4x8 metal sheets for Research	\$123.98		
116763	2024-02-14	INDUSTRIAL METAL SUPPLY CO.	Inv# 2345023	Discount	(\$3.80)		
		Total for Check:	116763			\$409.27	\$3,882.68
116764	2024-02-14	INNOVAPREP LLC	Inv# 18436		\$690.00		
116764	2024-02-14	INNOVAPREP LLC	Inv# 18436	UPS	\$35.00		
		Total for Check:	116764			\$725.00	\$5,455.97
116765	2024-02-14	IRVINE PIPE & SUPPLY CO	Inv# S117279198.001	Generated by reorder 1/23/24 7	\$247.29		
116765	2024-02-14	IRVINE PIPE & SUPPLY CO	Inv# S117279198.001	Discount	(\$4.55)		
		Total for Check:	116765			\$242.74	\$69,584.88
116766	2024-02-14	LHOIST NORTH AMERICA	Inv# 1102330965	12/19 (2)lime 25.85,25.29 tons	\$20,865.12		
116766	2024-02-14	LHOIST NORTH AMERICA	Inv# 1102331127	12/21 25.65 tons lime	\$10,465.20		

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116766	2024-02-14	LHOIST NORTH AMERICA	Inv# 1102331176	12/21 25.52 ton lime	\$10,412.16		
116766	2024-02-14	LHOIST NORTH AMERICA	Inv# 1102400271	1/2-9 (6)lime tot.155.93 tons	\$63,619.43		
116766	2024-02-14	LHOIST NORTH AMERICA	Inv# 1102400817	1/16 26.35 ton lime	\$10,750.80		
116766	2024-02-14	LHOIST NORTH AMERICA	Inv# 1102400999	1/16 25.25 ton lime	\$10,302.01		
116766	2024-02-14	LHOIST NORTH AMERICA	Inv# 1102401046	1/18 (2)lime 25.97 & 26.57 ton	\$21,436.32		
Total for Check: 116766						\$147,851.04	\$1,085,953.20
116767	2024-02-14	LILLESTRAND LEADERSHIP CONSULTING	Inv# 7938	1/10 & 1/15 leadership consult	\$1,312.50		
Total for Check: 116767						\$1,312.50	\$22,803.74
116768	2024-02-14	LONG BEACH WATER DEPARTMENT	Inv# 35083	Dec23 Alamitos 80.40 acft	\$108,379.20		
116768	2024-02-14	LONG BEACH WATER DEPARTMENT	Inv# 35086	Jul-Dec23 capacity charge	\$4,297.78		
Total for Check: 116768						\$112,676.98	\$595,307.32
116769	2024-02-14	MAIL DELIVERY SERVICE CO.	Inv# 21965	BPO MAIL DELIVERY	\$345.30		
116769	2024-02-14	MAIL DELIVERY SERVICE CO.	Inv# 21965	BPO MAIL DELIVERY	\$22.20		
116769	2024-02-14	MAIL DELIVERY SERVICE CO.	Inv# 21965	Fuel surcharge	\$20.67		
116769	2024-02-14	MAIL DELIVERY SERVICE CO.	Inv# 21965	Fuel surcharge	\$1.33		
Total for Check: 116769						\$389.50	\$3,119.98
116771	2024-02-14	MANHATTAN STITCHING COMPANY INC	Inv# 99151	SHIRTS- WPG, LAB, EHC	\$195.75		
116771	2024-02-14	MANHATTAN STITCHING COMPANY INC	Inv# 99151	SHIRTS- WPG, LAB, EHC	\$130.50		
116771	2024-02-14	MANHATTAN STITCHING COMPANY INC	Inv# 99151	SHIRTS- WPG, LAB, EHC	\$108.75		
116771	2024-02-14	MANHATTAN STITCHING COMPANY INC	Inv# 99151	SHIRTS- WPG, LAB, EHC	\$81.56		
116771	2024-02-14	MANHATTAN STITCHING COMPANY INC	Inv# 99151	SHIRTS- WPG, LAB, EHC	\$76.12		
116771	2024-02-14	MANHATTAN STITCHING COMPANY INC	Inv# 99151	SHIRTS- WPG, LAB, EHC	\$43.50		
116771	2024-02-14	MANHATTAN STITCHING COMPANY INC	Inv# 99151	SHIRTS- WPG, LAB, EHC	\$21.75		
116771	2024-02-14	MANHATTAN STITCHING COMPANY INC	Inv# 99151	SHIRTS- WPG, LAB, EHC	\$21.75		

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116771	2024-02-14	MANHATTAN STITCHING COMPANY INC	Inv# 99151	SHIRTS- WPG, LAB, EHC	\$21.75		
116771	2024-02-14	MANHATTAN STITCHING COMPANY INC	Inv# 99151	SHIRTS- WPG, LAB, EHC	\$10.88		
116771	2024-02-14	MANHATTAN STITCHING COMPANY INC	Inv# 99151	SHIRTS- WPG, LAB, EHC	\$10.88		
Total for Check: 116771						\$723.19	\$1,430.07
116772	2024-02-14	MCMaster-CARR SUPPLY COMPANY	Inv# 21511424	Chem. Resist. Expansion- JSmit	\$937.50		
116772	2024-02-14	MCMaster-CARR SUPPLY COMPANY	Inv# 21511424	Chem. Resist. Expansion- JSmit	\$57.81		
116772	2024-02-14	MCMaster-CARR SUPPLY COMPANY	Inv# 21511424	Shipping	\$21.02		
116772	2024-02-14	MCMaster-CARR SUPPLY COMPANY	Inv# 21511424	Discount	(\$19.91)		
Total for Check: 116772						\$996.42	\$19,022.98
116773	2024-02-14	MUNICIPAL WATER DISTRICT OF OC	Inv# 11360	Dec23 water purchase	\$156,733.96		
Total for Check: 116773						\$156,733.96	\$2,039,344.26
116774	2024-02-14	Miller, Liam	Inv# AUG23-JAN24 STIPENDS stipends (5)	8/21/23-1/20/24	\$200.00		
Total for Check: 116774						\$200.00	\$480.00
116775	2024-02-14	NEW LINE FIRE	Inv# 01192024-01	Fire Alarm Testing Fountain Va	\$3,400.00		
116775	2024-02-14	NEW LINE FIRE	Inv# 01202024-01	Annual Fire Alarm Inspection &	\$255.00		
Total for Check: 116775						\$3,655.00	\$5,030.38
116776	2024-02-14	NEWPORT URGENT CARE INC	Inv# 154075	A.Garcia DOT Exam	\$88.00		
116776	2024-02-14	NEWPORT URGENT CARE INC	Inv# 155189	J.Langarica DMV Exam	\$88.00		
116776	2024-02-14	NEWPORT URGENT CARE INC	Inv# 155190	O.Reynoso DMV Exam	\$88.00		
Total for Check: 116776						\$264.00	\$352.00
116777	2024-02-14	ODP BUSINESS SOLUTIONS LLC	Inv# 351419254001		\$58.55		
116777	2024-02-14	ODP BUSINESS SOLUTIONS LLC	Inv# 351419254001		\$58.55		
116777	2024-02-14	ODP BUSINESS SOLUTIONS LLC	Inv# 351419254001		\$58.55		
116777	2024-02-14	ODP BUSINESS SOLUTIONS LLC	Inv# 351419254001		\$49.18		
116777	2024-02-14	ODP BUSINESS SOLUTIONS LLC	Inv# 351419254001		\$11.66		
Total for Check: 116777						\$236.49	\$3,480.01

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116778	2024-02-14	ONESOURCE DISTRIBUTORS INC.	Inv# S7309219.001	Burriss pump station VFD PM	\$47,777.00		
116778	2024-02-14	ONESOURCE DISTRIBUTORS INC.	Inv# S7309219.001		(\$477.77)		
116778	2024-02-14	ONESOURCE DISTRIBUTORS INC.	Inv# S7393119.001	Generated by reorder 1/25/24 6	\$507.41		
116778	2024-02-14	ONESOURCE DISTRIBUTORS INC.	Inv# S7393119.001	Generated by reorder 1/25/24 6	\$62.66		
116778	2024-02-14	ONESOURCE DISTRIBUTORS INC.	Inv# S7393119.001	Discount	(\$5.24)		
Total for Check: 116778						\$47,864.06	\$146,906.73
116779	2024-02-14	ORR PROTECTION SYSTEMS	Inv# IN-0032040	FM-200 System Maintenance	\$520.00		
116779	2024-02-14	ORR PROTECTION SYSTEMS	Inv# IN-0032040	FM-200 System Maintenance	\$415.00		
116779	2024-02-14	ORR PROTECTION SYSTEMS	Inv# IN-0032040	FM-200 System Maintenance	\$415.00		
Total for Check: 116779						\$1,350.00	\$4,900.00
116780	2024-02-14	PHENOVA INC	Inv# 194398	SUPPLIES	\$304.50		
116780	2024-02-14	PHENOVA INC	Inv# 194398	Frt&Handling	\$39.10		
116780	2024-02-14	PHENOVA INC	Inv# 194398	SUPPLIES	\$32.62		
116780	2024-02-14	PHENOVA INC	Inv# 194398	SUPPLIES	\$10.88		
116780	2024-02-14	PHENOVA INC	Inv# 200962	SUPPLIES	\$380.63		
116780	2024-02-14	PHENOVA INC	Inv# 200962	Frt&Handling	\$39.10		
Total for Check: 116780						\$806.83	\$8,431.49
116781	2024-02-14	PROTEC ARISAWA AMERICA	Inv# 61825	Generated by reorder 1/2/24	\$6,467.60		
116781	2024-02-14	PROTEC ARISAWA AMERICA	Inv# 61825	S&H	\$77.30		
Total for Check: 116781						\$6,544.90	\$107,471.78
116782	2024-02-14	PRUDENTIAL GROUP INSURANCE	Inv# C#00694,B#252925 FEB2024 Feb2024	Life Insurance	\$35,788.62		
Total for Check: 116782						\$35,788.62	\$282,872.79
116783	2024-02-14	Price, Rebecca	Inv# PRICE JUL23-JAN24 STIPEND phone stipends	7/9/23-1/8/24	\$233.39		
Total for Check: 116783						\$233.39	\$473.39
116784	2024-02-14	RAYMOND HANDLING SOLUTIONS	Inv# W11663392	BPO FORKLIFT SERVICE	\$79.00		
116784	2024-02-14	RAYMOND HANDLING SOLUTIONS	Inv# W11663393	BPO FORKLIFT SERVICE	\$117.00		
Total for Check: 116784						\$196.00	\$1,723.00
116785	2024-02-14	RED WING SHOE CO. INC.	Inv# 789-1-57613	BPO WORK BOOTS	\$181.05		
Total for Check: 116785						\$181.05	\$9,068.75
116786	2024-02-14	RESTEK CORPORATION	Inv# CD50419143	Discount	(\$41.29)		
116786	2024-02-14	RESTEK CORPORATION	Inv# CD50419143	SUPPLIES	\$2,245.26		

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
Total for Check:		116786				\$2,203.97	\$9,050.63
116787	2024-02-14	SAN DIEGO FLUID SYSTEM	Inv# 99442	Stainless Steel Swagelok Male	\$483.04		
		TECHNOLIGIES					
116787	2024-02-14	SAN DIEGO FLUID SYSTEM	Inv# 99442		\$18.67		
		TECHNOLIGIES					
Total for Check:		116787				\$501.71	\$6,035.46
116788	2024-02-14	SC FUELS	Inv# 2577812-IN	BPO BULK RED DIESEL	\$4,140.62		
116788	2024-02-14	SC FUELS	Inv# 2577812-IN		\$399.11		
116788	2024-02-14	SC FUELS	Inv# 2577812-IN	Discount	(\$41.41)		
Total for Check:		116788				\$4,498.32	\$64,347.56
116790	2024-02-14	SC FUELS	Inv# 0823827	BPO UNLEADED FUEL FOR VEHICLES	\$1,663.98		
116790	2024-02-14	SC FUELS	Inv# 0823827	BPO UNLEADED FUEL FOR VEHICLES	\$926.93		
116790	2024-02-14	SC FUELS	Inv# 0823827	BPO UNLEADED FUEL FOR VEHICLES	\$581.67		
116790	2024-02-14	SC FUELS	Inv# 0823827	BPO UNLEADED FUEL FOR VEHICLES	\$454.06		
116790	2024-02-14	SC FUELS	Inv# 0823827	BPO UNLEADED FUEL FOR VEHICLES	\$292.78		
116790	2024-02-14	SC FUELS	Inv# 0823827	BPO UNLEADED FUEL FOR VEHICLES	\$234.91		
116790	2024-02-14	SC FUELS	Inv# 0823827	BPO UNLEADED FUEL FOR VEHICLES	\$205.01		
116790	2024-02-14	SC FUELS	Inv# 0823827	BPO UNLEADED FUEL FOR VEHICLES	\$183.05		
116790	2024-02-14	SC FUELS	Inv# 0823827	BPO UNLEADED FUEL FOR VEHICLES	\$126.65		
116790	2024-02-14	SC FUELS	Inv# 0823827	BPO UNLEADED FUEL FOR VEHICLES	\$57.96		
116790	2024-02-14	SC FUELS	Inv# 0823827	BPO UNLEADED FUEL FOR VEHICLES	\$44.54		
Total for Check:		116790				\$4,771.54	\$70,813.33
116791	2024-02-14	SOUTHERN CALIFORNIA EDISON	Inv# 700145466803FEB24		\$724,784.62		
		CO.					
116791	2024-02-14	SOUTHERN CALIFORNIA EDISON	Inv# 700306425771FEB24		\$81,806.79		
		CO.					
Total for Check:		116791				\$806,591.41	\$7,068,439.26
116792	2024-02-14	SOUTHERN TIRE MART LLC	Inv# 7090024790	BPO TIRES	\$20.00		
Total for Check:		116792				\$20.00	\$1,369.69
116793	2024-02-14	SPARKLETTS DS WATER OF	Inv# 4076005 011524	BPO WATER DELIVERY	\$245.39		
		AMERICA LP					
116793	2024-02-14	SPARKLETTS DS WATER OF	Inv# 4076005 011524	BPO WATER DELIVERY	\$107.73		
		AMERICA LP					
116793	2024-02-14	SPARKLETTS DS WATER OF	Inv# 4076005 011524	BPO WATER DELIVERY	\$15.96		
		AMERICA LP					

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116793	2024-02-14	SPARKLETTS DS WATER OF AMERICA LP	Inv# 6144555 011924	BPO WATER DELIVERY	\$37.97		
116793	2024-02-14	SPARKLETTS DS WATER OF AMERICA LP	Inv# 6144555 011924	BPO WATER DELIVERY	\$9.00		
Total for Check: 116793						\$416.05	\$5,693.47
116794	2024-02-14	STAPLES ADVANTAGE	Inv# 3556835097	PLANNERS FOR PAULA AND DARLA	\$18.70		
116794	2024-02-14	STAPLES ADVANTAGE	Inv# 3556835097	PLANNERS FOR PAULA AND DARLA	\$18.69		
116794	2024-02-14	STAPLES ADVANTAGE	Inv# 3556835097	Order Size Premium	\$4.35		
116794	2024-02-14	STAPLES ADVANTAGE	Inv# 3556835097	Order Size Premium	\$4.34		
116794	2024-02-14	STAPLES ADVANTAGE	Inv# 3556857619	DRY ERASE BOARD FOR SCADA ROOM	\$61.40		
116794	2024-02-14	STAPLES ADVANTAGE	Inv# 3557224215	SUPPLIES	\$52.18		
116794	2024-02-14	STAPLES ADVANTAGE	Inv# 3557224215	SUPPLIES	\$48.03		
116794	2024-02-14	STAPLES ADVANTAGE	Inv# 3557224216	Generated by reorder 1/12/24 7	\$107.86		
116794	2024-02-14	STAPLES ADVANTAGE	Inv# 3557287645		\$188.70		
116794	2024-02-14	STAPLES ADVANTAGE	Inv# 3557605754	Toner for network plotter	\$122.16		
Total for Check: 116794						\$626.41	\$18,265.95
116795	2024-02-14	SUNSTATE EQUIPMENT CO.	Inv# 12215953-001	R22020 Warehouse LED fixtures	\$504.68		
116795	2024-02-14	SUNSTATE EQUIPMENT CO.	Inv# 12215953-001	Protection Plan	\$67.50		
Total for Check: 116795						\$572.18	\$572.18
116796	2024-02-14	SUPERIOR SWEEPING LTD.	Inv# 377-0124	BPO STREET SWEEPING	\$495.00		
Total for Check: 116796						\$495.00	\$3,960.00
116797	2024-02-14	SWRCB ACCOUNTING OFFICE	Inv# SW-0279844	10.01.23-09.30.24	\$704.00		
Total for Check: 116797						\$704.00	\$1,304.00
116798	2024-02-14	THE REGENTS OF THE UNIVERSITY OF CA	Inv# 8782CA0058	1286	\$14,513.72		
Total for Check: 116798						\$14,513.72	\$44,655.80
116799	2024-02-14	UNIFIRST CORPORATION	Inv# 2190107739	1557	\$42.70		
116799	2024-02-14	UNIFIRST CORPORATION	Inv# 2190113764	1557	\$288.21		
116799	2024-02-14	UNIFIRST CORPORATION	Inv# 2190113764	1557	\$0.62		
116799	2024-02-14	UNIFIRST CORPORATION	Inv# 2190114728	1557	\$3.49		
116799	2024-02-14	UNIFIRST CORPORATION	Inv# 2190114729	1557	\$129.16		
116799	2024-02-14	UNIFIRST CORPORATION	Inv# 2190114730	1557	\$235.58		
116799	2024-02-14	UNIFIRST CORPORATION	Inv# 2190114731	1557	\$38.55		

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116799	2024-02-14	UNIFIRST CORPORATION	Inv# 2190114732	1557	\$532.84		
116799	2024-02-14	UNIFIRST CORPORATION	Inv# 2190114734	1557	\$24.14		
116799	2024-02-14	UNIFIRST CORPORATION	Inv# 2200090712	1557	\$33.34		
Total for Check:		116799				\$1,328.63	\$3,607.34
116800	2024-02-14	UNITED PARCEL SERVICE	Inv# 0000X81601064_20240210		\$89.01		
Total for Check:		116800				\$89.01	\$4,240.86
116801	2024-02-14	UNIVAR SOLUTIONS USA	Inv# 51837975	2/7 23.553 ton sulfuric acid	\$5,322.98		
116801	2024-02-14	UNIVAR SOLUTIONS USA	Inv# 51837975	discount	(\$106.46)		
116801	2024-02-14	UNIVAR SOLUTIONS USA	Inv# 51837976	2/7 23.468 ton sulfuric acid	\$5,303.77		
116801	2024-02-14	UNIVAR SOLUTIONS USA	Inv# 51837976	discount	(\$106.08)		
Total for Check:		116801				\$10,414.21	\$484,582.74
116802	2024-02-14	UTILIQUEST LLC	Inv# 331180-Q	1/7-13 screen/mark pipes	\$1,198.08		
116802	2024-02-14	UTILIQUEST LLC	Inv# 331180-Q	1/7-13 screen/mark pipes	\$698.88		
116802	2024-02-14	UTILIQUEST LLC	Inv# 331180-Q	1/7-13 screen/mark pipes	\$85.66		
116802	2024-02-14	UTILIQUEST LLC	Inv# 331180-Q	1/7-13 screen/mark pipes	\$14.18		
Total for Check:		116802				\$1,996.80	\$69,206.90
116803	2024-02-14	Uribe, Esmeralda	Inv# FEB 7, 2024	2/7 TV for Prado	\$449.68		
Total for Check:		116803				\$449.68	\$1,175.53
116804	2024-02-14	VWR INTERNATIONAL LLC	Inv# 8815023551		\$189.78		
116804	2024-02-14	VWR INTERNATIONAL LLC	Inv# 8815031628	SUPPLIES	\$310.37		
116804	2024-02-14	VWR INTERNATIONAL LLC	Inv# 8815038815		\$1,879.20		
116804	2024-02-14	VWR INTERNATIONAL LLC	Inv# 8815038815		\$773.43		
116804	2024-02-14	VWR INTERNATIONAL LLC	Inv# 8815038815		\$662.94		
Total for Check:		116804				\$3,815.72	\$79,694.15
116806	2024-02-14	WALTERS WHOLESALE ELECTRIC CO.	Inv# S124876750.001	R22020 Warehouse LED fixtures	\$83.66		
116806	2024-02-14	WALTERS WHOLESALE ELECTRIC CO.	Inv# S124876750.001	R22020 Warehouse LED fixtures	\$81.42		
116806	2024-02-14	WALTERS WHOLESALE ELECTRIC CO.	Inv# S124876750.001	R22020 Warehouse LED fixtures	\$81.10		
116806	2024-02-14	WALTERS WHOLESALE ELECTRIC CO.	Inv# S124876750.001	R22020 Warehouse LED fixtures	\$46.73		
116806	2024-02-14	WALTERS WHOLESALE ELECTRIC CO.	Inv# S124876750.001	R22020 Warehouse LED fixtures	\$41.81		

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116806	2024-02-14	WALTERS WHOLESALE ELECTRIC CO.	Inv# S124876750.001		(\$5.83)		
116806	2024-02-14	WALTERS WHOLESALE ELECTRIC CO.	Inv# S124877187.001	R22020 Warehouse LED fixtures	\$72.07		
116806	2024-02-14	WALTERS WHOLESALE ELECTRIC CO.	Inv# S124877187.001	Shipping	\$12.00		
116806	2024-02-14	WALTERS WHOLESALE ELECTRIC CO.	Inv# S124877187.001	Discount	(\$1.34)		
116806	2024-02-14	WALTERS WHOLESALE ELECTRIC CO.	Inv# S124880307.001	R22020 Warehouse LED fixtures	\$5.77		
116806	2024-02-14	WALTERS WHOLESALE ELECTRIC CO.	Inv# S124880307.001	Discount	(\$0.11)		
Total for Check: 116806						\$417.28	\$9,846.46
116807	2024-02-14	WATER DISTRICT JOBS	Inv# 1272401	RECRUITMENT AD	\$290.00		
Total for Check: 116807						\$290.00	\$580.00
116808	2024-02-14	WATER EDUCATION FOUNDATION	Inv# WEFMEM2024KS1675		\$8,000.00		
Total for Check: 116808						\$8,000.00	\$8,000.00
116809	2024-02-14	WESTBAY INSTRUMENTS INC.	Inv# WB-02812	ON-SITE TECHINICAL ASSISTANCE	\$11,549.72		
Total for Check: 116809						\$11,549.72	\$83,776.72
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932751	1/29 4974 gal s.hypochlorite	\$8,564.73		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932751	discount	(\$171.29)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932752	1/29 4984 gal s.hypochlorite	\$8,581.95		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932752	discount	(\$171.64)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932753	1/29 4998 gal s.hypochlorite	\$8,606.06		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932753	discount	(\$172.12)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932754	1/29 4984 gal s.hypochlorite	\$8,581.95		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932754	discount	(\$171.64)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932857	1/30 4947 gal s.hypochlorite	\$8,518.24		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932857	discount	(\$170.36)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932858	1/30 4974 gal s.hypochlorite	\$8,564.73		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932858	discount	(\$171.29)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932859	1/30 4939 gal s.hypochlorite	\$8,504.46		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932859	discount	(\$170.09)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932860	1/30 4895 gal s.hypochlorite	\$8,428.70		

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 932860	discount	(\$168.57)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933075	discount	(\$170.61)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933081	2/1 4974 gal s.hypochlorite	\$8,564.73		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933081	discount	(\$171.29)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933083	2/1 4990 gal s.hypochlorite	\$8,592.28		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933083	discount	(\$171.85)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933084	2/1 4931 gal s.hypochlorite	\$8,490.69		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933084	discount	(\$169.81)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933124	2/2 4916 gal s.hypochlorite	\$8,464.86		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933124	discount	(\$169.30)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933125	2/2 4923 gal s.hypochlorite	\$8,476.91		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933125	discount	(\$169.54)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933126	2/2 5053 gal s.hypochlorite	\$8,700.76		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933126	discount	(\$174.02)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933127	2/2 5107 gal s.hypochlorite	\$8,793.74		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933127	discount	(\$175.87)		
978327	2024-02-08	JCI JONES CHEMICAL, INC	Inv# 933075	2/1 4954 gal s.hypochlorite	\$8,530.29		
Total for Check:		978327				\$134,225.79	\$665,980.18
978328	2024-02-09	U.S. BANK NA	Inv# REV REF BONDS 2019B INT	Attn: Hong	\$131,680.43		
			Nguyen-Dao				
Total for Check:		978328				\$131,680.43	\$38,879,505.41
978329	2024-02-14	U.S. BANK NA	Inv# REV REFUND BONDS 2017A&B	ATTN: HONG	\$2,270,043.98		
			NGUYEN- DAO				
Total for Check:		978329				\$2,270,043.98	\$38,879,505.41
978330	2024-02-14	U.S. BANK NA	Inv# REV REFUND BONDS 2019C&D		\$2,688,888.75		
Total for Check:		978330				\$2,688,888.75	\$38,879,505.41
Run Date:	2/13/2024					\$7,253,608.63	\$7,253,608.63

MINUTES OF MEETING
BOARD OF DIRECTORS, ORANGE COUNTY WATER DISTRICT
January 17, 2024 5:30 p.m.

President Green called to order the January 17, 2024 regular meeting of the Orange County Water District Board of Directors at 5:30 p.m. Following the Pledge of Allegiance to the Flag, the District Secretary called the roll and reported a quorum as follows. Public access was also provided via Zoom webinar.

Directors

Valerie Amezcua
Denis Bilodeau
Cathy Green
Dina Nguyen
Natalie Meeks
Stephen Sheldon (arrived @ 5:40 p.m.)
Van Tran
Erik Weigand
Bruce Whitaker
Roger Yoh

Staff

Mike Markus, General Manager
John Kennedy, Executive Director
Jeremy Jungreis, General Counsel
Christina Fuller, District Secretary

VISITOR PARTICIPATION

There were no visitors wishing to address the Board at this meeting.

FLAG PRESENTATION TO MIKE MARKUS

Field Representative Abigail Fachtmann from Representative Young Kim’s office presented General Manager Mike Markus with a certificate of recognition and a flag flown over the U.S. Capital in commemoration of his years of service.

CONSENT CALENDAR

The Consent Calendar was approved upon motion by Director Amezcua, seconded by Director Whitaker and carried [8-0] as follows,

Ayes: Amezcua, Bilodeau, Green, Meeks, Nguyen, Tran, Whitaker, Yoh

Absent: Sheldon

1. Resolution Commending Orange County Water District General Manager Michael R. Markus Upon His Retirement
-

RESOLUTION NO. 24-1-1
COMMEMORATING THE RETIREMENT OF MICHAEL R. MARKUS FROM THE
ORANGE COUNTY WATER DISTRICT

WHEREAS, Michael R. Markus, P.E., D.WRE, BCEE, F.ASCE, is retiring as general manager of the Orange County Water District (OCWD; the District), having served in this capacity since September 2007, becoming only the sixth general manager in the District’s history; and

WHEREAS, Mr. Markus has successfully led OCWD in accomplishing its core operation to manage, replenish and protect the Orange County Groundwater Basin – Orange County’s largest source of drinking water – in a financially sound manner, by diversifying and expanding the District’s water portfolio. The basin provides a record amount of 85% of the water supply to 2.5 million residents in north and central Orange County; and

WHEREAS, Prior to becoming OCWD’s general manager, Mr. Markus’ career at OCWD began in 1988 as a construction manager, rising to the ranks of assistant general manager, where he was responsible for managing and implementing the District’s capital improvement program, the construction of over \$1.5 billion in water infrastructure projects, optimizing District operations and assets, and leading community and stakeholder communications; and

WHEREAS, Throughout his 45-year career, Mr. Markus has become a respected leader and global expert on groundwater and water reuse issues, including serving as a Santa Ana River Watermaster, and has managed all aspects of the world-renowned Groundwater Replenishment System (GWRS) – from project implementation, optimization, and public outreach; and

WHEREAS, Mr. Markus was instrumental in working with the Orange County Sanitation District (OC San) and multiple project partners and stakeholders to bring the GWRS online in 2008 as the world’s largest water purification system for indirect potable reuse, producing 70 million gallons of water a day (70 MGD). He led the implementation of the initial expansion in 2015, producing 100 MGD and the final expansion, completed in 2023, producing 130 MGD and recycling 100% of OC San’s reclaimable wastewater flows, enough to serve nearly one million people in north and central Orange County; and

WHEREAS, Under Mr. Markus’ leadership, OCWD has won more than 100 awards including the Stockholm Industry Water Award, ASCE Outstanding Civil Engineering Achievement Award, U.S. Water Prize, ACWA Innovation Award, WaterReuse Large Recycled Water Agency of the Year, and the Lee Kuan Yew Prize; and

WHEREAS, Throughout his tenure as general manager, Mr. Markus represented the District to external audiences, including effectively engaging in legislative advocacy and providing Congressional testimony. His technical expertise consistently garnered recognition from prominent media outlets including CBS, CNN, and CNBC. Furthermore, he made noteworthy appearances on the award-winning television programs 60 Minutes and California’s Gold, adding prestige to the District’s profile.

WHEREAS, Mr. Markus is called upon often to share his knowledge and expertise with agencies and associations around the world and has served in leadership capacities for many organizations, including WaterReuse California, Water Research Foundation, National Water Research Institute, American Water Works Association, and Association of Metropolitan Water Agencies; and

WHEREAS, His leadership extends beyond OCWD, which has been recognized by the many awards and achievements Mr. Markus has received, including the USC Sonny Astani Department of Civil and Environmental Engineering Lifetime Achievement Award, Pioneer in Groundwater by the Environmental & Water Resources Institute, Top 25 Industry Leaders by Water & Wastewater International, Saïd Houry Award for Engineering Construction Excellence, Excellence in Promotion of Infrastructure, and American Society of Civil Engineers’ Government Engineer of the Year Award; and

WHEREAS, Mr. Markus obtained a Bachelor of Science degree in civil engineering from California State Polytechnic University, Pomona and a Master of Science degree in civil engineering from the University of Southern California, paving the road to his ultimate success and legacy in water resource management; and

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Orange County Water District does hereby officially commend and congratulate Mr. Markus for his visionary leadership at the Orange County Water District and wishes him well in his retirement and continued success in his future endeavors.

2. Approval of Cash Disbursements

MOTION NO. 24-2
APPROVING CASH DISBURSEMENTS

Payment of bills for the period of December 28, 2023 through January 10, 2024 in the total amount of \$10,515,762.20 is ratified and approved.

3. Minutes of Board of Directors Meetings held December 20, 2023 and January 3, 2024

MOTION NO. 24-3
APPROVING MINUTES OF BOARD OF DIRECTORS MEETINGS

The Minutes of the Board of Directors meeting held December 20, 2023 and January 3, 2024 are hereby approved as presented.

4. Ratification of Job Classification Salary Range Adjustments

MOTION NO. 24-4
RATIFYING OF JOB CLASSIFICATION SALARY RANGE ADJUSTMENT

The following job classification salary range adjustments are hereby ratified effective January 18, 2024:

Operations Shift Supervisor:	R-17 to R-18
Chief Operator GWRS:	R-19 to R-20
Operations Manager GWRS:	R-20 to R-21
Maintenance Manager GWRS	R-20 to R-21

5. At-Will Employment Statement Update

RESOLUTION NO. 24-1-2
APPROVING UPDATED AT-WILL EMPLOYMENT STATEMENT

RESOLVED, that the updated At-Will Employment Statement (Section 3.2) contained in the Personnel Manual effective January 18, 2024 is hereby authorized.

ITEMS RECOMMENDED FOR APPROVAL AT COMMUNICATIONS AND LEGISLATIVE
LIASION COMMITTEE MEETING HELD JANUARY 4

6. Federal Legislative Update

MOTION NO. 24-5
APPROVING A LETTER IN SUPPORT OF CONCEPT FOR THE PRIORITY FOR WATER SUPPLY
AND CONSERVATION ACT

A letter in support of concept for The Priority for Water Supply and Conservation Act is hereby approved.

ITEMS RECOMMENDED FOR APPROVAL AT WATER ISSUES COMMITTEE MEETING HELD
JANUARY 10

7. GWRS Pipeline Repair Work

RESOLUTION NO. 24-1-3
RESCINDING RESOLUTION NO. R23-12-163 AND APPROVING AMENDMENT NO. 2 TO FD
THOMAS, INC. FOR ADDITIONAL REPAIR WORK TO THE GWRS PIPELINE

WHEREAS, pursuant to Resolution No. 21-3-34 adopted March 3, 2021, as subsequently modified, OCWD authorized Agreement No. 1458 to FD Thomas, Inc. for epoxy coating of portions of the Unit II GWRS Pipeline; and

WHEREAS, at the December 20, 2023 Board of Directors meeting, the Board approved Amendment No. 2 to such Agreement in the amount of \$10,117 for additional repair work to the GWRS pipeline.

WHEREAS, after further investigation into previous billings and payments, it was determined that the original Agreement was for \$850,000 with Amendment No. 1 for \$25,000 which was expected to cover the costs for extra work completed and described in the original contract scope.

WHEREAS, the extra work totaled \$69,384 more than the Agreement plus Amendment No. 1 making the December 20, 2023 Board recommendation incorrect as there were not sufficient funds to cover the majority of the balance as originally expected.

WHEREAS, the Water Issues Committee of this Board has recommended rescinding Resolution No. R23-12-163, Authorizing Amendment No. 2 to FD Thomas, Inc. contract in the amount of \$10,117 for additional repair work to the GWRS pipeline; and,

WHEREAS, the Water Issues Committee of this Board has further recommended approval of Amendment No. 2 to FD Thomas, Inc. contract in the amount of \$69,384 for additional repair work to the GWRS pipeline.

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby:

Section 1: Rescind Resolution No. R23-12-163, Authorizing Amendment No. 2 to FD Thomas, Inc. contract in the amount of \$10,117 for additional repair work to the GWRS pipeline; and,

Section 2: Authorize Amendment No. 2 to FD Thomas, Inc. contract in the amount of \$69,384 for additional repair work to the GWRS pipeline.

8. Agreement with DDB Engineering for the Preparation of 2023 GWRS Annual Report

RESOLUTION NO. 24-1-4
APPROVING AGREEMENT WITH DDB ENGINEERING FOR PREPARATION
OF 2023 GWRS ANNUAL REPORT

RESOVLED, that issuance of an Agreement is authorized to DDB Engineering Inc. for an amount not to exceed \$62,580 to provide consulting services for the preparation of the calendar year 2023 GWRS Annual Report.

9. Agreement to Powers Bros Machine for Anaheim Lake Vertical Turbine Pump and Motor Inspection and Rehabilitation

RESOLUTION NO. 24-1-5
ESTABLISHING THE ANAHEIM LAKE VERTICAL TURBINE PUMP AND MOTOR INSPECTION
AND REPLACEMENT PROJECT AND APPROVING AGREEMENT WITH POWERS BROS
MACHINE INC.

WHEREAS, the vertical turbine pump and motor at Anaheim Lake, which are used to transfer water from the lake to other recharge facilities, are due for inspection and rehabilitation due to age and amount of use.

WHEREAS, the Water Issues Committee of this Board has recommended establishing the Anaheim Lake Vertical Turbine Pump and Motor Inspection and Replacement project in the amount of \$75,000;

WHEREAS, the Water Issues Committee of this Board has further recommended issuance of Agreement to Powers Bros Machine Inc. for the project in the amount of 75,000.

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby approve the aforementioned project and Agreement as outlined herein; and, upon approval as to form by General Counsel, its execution by the District officers is authorized.

10. Alamitos Seawater Barrier 2024-25 Operations And Maintenance Budget

MOTION NO. 24-6
APPROVING ALAMITOS SEAWATER BARRIER 2024-25 O&M BUDGET

The Alamitos Barrier 2024-25 total Operations & Maintenance (O&M) budget in the amount of \$3,170,000 is approved, and payment of the District's share not to exceed \$1,263,000 payable to the Los Angeles County Department of Public Works is authorized after receipt and review of invoices.

ITEMS RECOMMENDED FOR APPROVAL AT ADMINISTRATION FINANCE COMMITTEE
MEETING HELD JANUARY 11

11. Monthly Cash Control Report

MOTION NO. 24-7
RECEIVING AND FILING THE MONTHLY CASH CONTROL REPORTS

The Summary Cash and Cash Equivalents Control Reports dated December 31, 2023 are hereby received and filed.

12. Investment Portfolio Holdings Reports

MOTION NO. 24-8
RECEIVING AND FILING INVESTMENT PORTFOLIO HOLDINGS REPORTS

The Investment Portfolio Holdings Reports dated December 31, 2023 are hereby received and filed.

13. Authorize Purchase Order to DXP Enterprises for Repair of RO High Pressure Feed Pump F01

RESOLUTION NO. 24-1-7
APPROVING PURCHASE ORDER TO DXP ENTERPRISES FOR REPAIR OF REVERSE OSMOSIS
HIGH PRESSURE FEED PUMP F01

RESOLVED, that issuance of a Purchase Order is authorized to DXP Enterprises, Inc. in the amount of \$98,123 for repair of reverse osmosis high pressure feed pump F01.

14. Agreement with Western Audio Visual and Security (WAVS) to Develop Audiovisual Specifications for the Boardroom And Conference Rooms

RESOLUTION NO. 24-1-8
APPROVING AGREEMENT WITH WESTERN AUDIO VISUAL AND SECURITY TO DEVELOP
AUDIOVISUAL SPECIFICATIONS

RESOVLED, that issuance of an Agreement is authorized to Western Audio Visual & Security for an amount not to exceed 14,000 to develop audiovisual specifications for the Boardroom, C2 and C3 conference rooms.

15. Surplus of Computer Equipment, Tools, Office Furniture, and Heavy-Duty Equipment

MOTION NO. 24-9
DECLARING COMPUTER EQUIPMENT, TOOLS, OFFICE FURNITURE AND HEAVY -DUTY
EQUIPMENT SURPLUS

The computer equipment, tools, office furniture, and heavy duty equipment items on Surplus List as of 1/03/24 are declared surplus and the sale and disposal thereof is authorized.

16. Basin Production Percentage and Replenishment Assessment Estimates for Fiscal Year 2024-25

MOTION NO. 24-10
PROVIDING BASIN PRODUCTION PERCENTAGE AND REPLENISHMENT ASSESSMENT
ESTIMATES FOR FISCAL YEAR 2024-25 TO GROUNDWATER PRODUCERS

Staff is authorized to provide the following Fiscal Year 2024-25 Replenishment Assessment and Basin Production Percentage estimates to the Groundwater Producers: Combined Replenishment Assessment & Additional RA - \$688/acre-foot; and Basin Production Percentage - 85%.

17. Division Seven Board Vacancy

President Green recalled that at the December 6, 2023 Board meeting, the Board directed staff to post a Notice of Vacancy in Division 7 indicating that the District would consider filling the vacancy at the January 17, 2024 Board meeting. She noted that OCWD received seven resumes for the position, including an application from Bruce Elieff, which was submitted after the deadline of 5pm on January 10, 2024. She advised that the Board will vote on whether to consider post deadline candidate Bruce Elieff.

MOTION NO. 24-11
NOT CONSIDER CANDIDATE BRUCE ELIEFF AS A LATE ENTRY APPLICANT FOR THE
DIVISION 7 VACANCY

Upon motion by Director Amezcua, seconded by Director Yoh and carried [8-0], the Board of Directors hereby denies Bruce Elieff as a late entry candidate for the Division 7 vacancy.

Ayes: Amezcua, Bilodeau, Green, Meeks, Nguyen, Tran, Whitaker, Yoh
Absent: Sheldon

President Green advised that after receiving input from OCWD's Executive Committee, staff recommends the Board utilize the following procedures for tonight's selection process:

1. Board votes to determine whether to consider the application of Bruce Elieff and to approve the procedures recommended herein.
2. Request the candidates to move to the foyer outside the boardroom once the Board begins consideration of this issue and commences interviews.
3. Staff brings in candidates individually into the boardroom for interview based upon alphabetical order.
4. Candidates are to be allowed three minutes for an opening statement.
5. Board will be allowed up to 15 minutes per applicant for any questions they wish to ask each applicant.
6. Time, as needed, for Director discussion regarding the candidates. Following said discussion, staff to announce that candidates can reenter the Boardroom.

Selection Procedure

7. Board members begin the nomination process by writing the name of the candidate they want to be considered on the provided paper, which will be given to the Board Secretary. Board members attending the meeting via Zoom will tell the Board Secretary their nomination via text or email.

Documents used to nominate applicants will be kept by the Board Secretary and can be made available upon request.

8. The Board Secretary will announce if any candidate has five or more nominations based upon the nominations received. If a candidate has five or more nominations, the Board can then take a formal vote to potentially appoint that candidate to the Division Seven seat.
9. If no candidate has five or more nominations, the Board Secretary will then eliminate the candidate(s) that received one or less nominations from further consideration and announce the name(s) of the candidate(s) no longer being considered.
10. The Board will repeat steps 7-9 until a candidate has five or more nominations. Once an applicant has five or more nominations, a formal vote can then occur taking action to fill the vacancy by selecting an applicant.
11. The Board reserves the right to change the process described above as may be needed.

MOTION NO. 24-12

APPROVING THE DESCRIBED PROCESS TO SELECT A NEW DIRECTOR FOR DIVISION SEVEN

Upon motion by Director Meeks, seconded by Director Amezcua and carried [8-0], the Board of Directors hereby approves utilizing the described process to select a new Director for Division 7.

Ayes: Amezcua, Bilodeau, Green, Meeks, Nguyen, Tran, Whitaker, Yoh

Absent: Sheldon

The Board then interviewed the five remaining candidates as follows: James Fisler, Leslie Lindahl, Robert Ooten, Erik Weigand and Mark Willie. Applicant Brett Sanders was not in attendance. The Board considered the candidates and presented the District Secretary with their nominations. The District Secretary announced that Erik Weigand received seven nominations. The Board thanked all applicants for applying and interviewing then took the following action.

Upon motion by Director Amezcua, seconded by Director Meeks, the following resolution was adopted [9-0].

Ayes: Amezcua, Bilodeau, Green, Meeks, Nguyen, Sheldon, Tran, Whitaker, Yoh

RESOLUTION NO. 24-1-9

APPOINTING ERIK WEIGAND AS DIRECTOR, DIVISION 7

WHEREAS, a vacancy in the position of Director representing Division 7 of the Orange County Water District has occurred due to the death of Kelly Rowe; and

WHEREAS, the Notice of Vacancy in the Office of Director of Division 7 of the Orange County Water District has been posted as required by law;

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby appoint Erik Weigand as Director representing Division 7 of the District to fill the unexpired portion of Kelly Rowe's term through December 6, 2024.

OATH OF OFFICE

The District Secretary administered the oath of office to new Division 7 Director Erik Weigand, and he assumed his seat on the Board.

INFORMATIONAL ITEMS

18. Water Resources Summary

General Manager Mike Markus stated the report is in the packet.

19. SAWPA Update

Director Whitaker provided an update on recent SAWPA activities.

20. Committee/Conference/Meeting Reports

The Board reported on attendance at the following Committee meetings, noting the Action Agendas were included in tonight’s Board packet.

- Jan 04 - Communication & Legislative Liaison Committee
- Jan 08 - GWRS Steering Committee
- Jan 10 - Water Issues Committee
- Jan 11 - Administration and Finance Issues Committee

21. Verbal Reports

President Green reported that Moulton Niguel Water District signed a Memorandum of Understanding (MOU) with Denmark. General Manager Mike Markus thanked the Board for their support over the years.

ADJOURNMENT

There being no further business to come before the Board, the meeting adjourned at 6:45 p.m.

Christina Fuller, District Secretary

Cathy Green, President

MINUTES OF MEETING
BOARD OF DIRECTORS, ORANGE COUNTY WATER DISTRICT
February 7, 2024, 5:30 p.m.

President Green called to order the February 7, 2024 regular meeting of the Orange County Water District Board of Directors at 5:30 p.m. Following the Pledge of Allegiance to the Flag, the District Secretary called the roll and reported a quorum as follows. Public access was also provided via Zoom webinar.

Directors

Valerie Amezcua
Denis Bilodeau
Cathy Green
Dina Nguyen (6:05 p.m.)
Natalie Meeks
Stephen Sheldon (member of public)
Van Tran
Erik Weigand
Bruce Whitaker (5:40 p.m.)
Roger Yoh

Staff

John Kennedy, General Manager
Jeremy Jungreis, General Counsel
Christina Fuller, District Secretary

VISITOR PARTICIPATION

There were no visitors wishing to address the Board this evening.

CONSENT CALENDAR

The Consent Calendar was then approved upon motion by Director Amezcua, seconded by Director Meeks and carried [7-0] as follows.

Ayes: Amezcua, Bilodeau, Green, Meeks, Tran, Weigand, Yoh

Absent: Nguelyn, Sheldon, Whitaker

1. Approval of Cash Disbursements

MOTION NO. 24-13
APPROVING CASH DISBURSEMENTS

Payment of bills for the period of January 11, 2024 through January 31, 2024 in the total amount of \$10,983,469.13 is ratified and approved.

2. 2024 Updated Board Committee and Outside Agency

MOTION NO. 24-14
RATIFYING UPDATED BOARD AND COMMITTEE
AND OUTSIDE AGENCY ASSIGNMENTS

The updated Board Committee and Outside Agency assignments as recommended by the Board President are hereby ratified.

3. Award Contract No. SA-2023-2 City of Santa Ana PFAS Water Treatment Plant Well No. 31 to Pacific Hydrotech Corporation
-

RESOLUTION NO. 24-2-10

AWARDING CONTRACT SA-2023-2 TO PACIFIC HYDROTECH CORPORATION FOR THE CITY OF SANTA ANA PFAS WATER TREATMENT PLANT WELL NO. 31 PROJECT

WHEREAS, a Notice Inviting Bids for Contract No. SA-2023-2, City of Santa Ana PFAS Water Treatment Plant Well No. 31, was published in The Orange County Register on, November 1, 2023; and

WHEREAS, the following bids were received and opened on January 17, 2024:

Pacific Hydrotech Corporation	\$5,559,100
Innovative Construction Solutions	\$6,382,695
Caliagua	\$6,484,800
RC Foster Corporation	\$6,800,000
MMC Inc.	\$8,450,000

WHEREAS, the Water Issues Committee of this Board has recommended award of said Contract to the lowest responsive bidder, Pacific Hydrotech Corporation, in the amount of \$5,559,100; and

WHEREAS, the Water Issues Committee has also recommended that a budget of \$8,276,635 be established for the City of Santa Ana PFAS Water Treatment Plant Well No. 31 Project.

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby resolve as follows:

Section 1: The Affidavit of Publication of Notice Inviting Bids for Contract No. SA-2023-2 is received and filed.

Section 2: The lowest responsive bid of Pacific Hydrotech Corporation, in the amount of \$5,559,100 is accepted and all other bids are rejected.

Section 3: A budget of \$8,276,635 for the City of Santa Ana PFAS Water Treatment Plant Well No. 31 Project is hereby established.

ITEMS RECOMMENDED FOR APPROVAL AT PROPERTY MANAGEMENT COMMITTEE MEETING HELD JANUARY 26

4. Amendment to License Agreement with T.E. Roberts for Storing of Construction Equipment Located at Huckleberry Basin, Anaheim
-

RESOLUTION NO. 24-2-11

APPROVING AMENDMENT TO LICENSE AGREEMENT WITH T.E. ROBERTS FOR STORING CONSTRUCTION EQUIPMENT AT HUCKLEBERRY POND, ANAHEIM

WHEREAS, pursuant to Resolution No. 18-1-2 adopted January 3, 2018, as subsequently amended, OCWD issued a License Agreement to T.E. Roberts, Inc. to allow equipment storage at the District's Huckleberry Pond property in Anaheim utilizing the District's maintenance roads; and

WHEREAS, the Property Management Committee has recommended execution of Amendment Nine to such License Agreement extending the expiration date to January 31, 2025, for a fee of \$1,337 per month, with all other Agreement terms to remain the same.

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby approve Amendment Nine to such License Agreement as described herein, and upon approval as to form by District General Counsel, its execution by the District officers is authorized.

INFORMATIONAL ITEMS

5. GWRS Operations Update

Executive Director Mehul Patel provided an operations update on the Groundwater Replenishment System.

6. PFAS Update

Director of Engineering Chris Olsen provided an update on PFAS treatment plant design and construction.

7. SAWPA Update

Director Whitaker provided an update on recent SAWPA activities.

8. Committee/Conference/Meeting Reports

The Board reported on attendance at the following Committee meetings, noting the Action Agendas were included in tonight's Board packet.

January 24 – Joint Planning Committee
January 26 – Property Management Committee

9. Verbal Reports

President Green reported that ACWA elected three Executive Committee at large seats. General Manager John Kennedy provided an update on OCWD facilities and Prado Dam.

RECESS TO CLOSED SESSION

- CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION, [Government Code Section 54956.9 (d)(1)], two cases, OCWD v. Sabic Innovative Plastics US LLC and OCWD v. Sanmina Corp. (South Basin cases)

RECONVENE IN OPEN SESSION

The Board reconvened in Open Session whereupon General Counsel Jungreis advised that there were no reportable items.

ADJOURNMENT

There being no further business to come before the Board, the meeting adjourned at 6:45 p.m.

Christina Fuller, District Secretary

Cathy Green, President

AGENDA ITEM SUBMITTAL

Meeting Date: February 21, 2024

To: Board of Directors

From: John Kennedy

Staff Contact: Lo Tan

Budgeted: N/A

Budgeted Amount: N/A

Cost Estimate: N/A

Funding Source: N/A

Program/Line Item No.: N/A

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

**SUBJECT: 2022-2023 ENGINEER'S REPORT ON GROUNDWATER CONDITIONS,
WATER SUPPLY AND BASIN UTILIZATION**

SUMMARY

The District Act requires the preparation of an annual Engineer's Report on the groundwater conditions, water supply and basin utilization. The draft Engineer's Report for the 2022-23 water year (from July 1, 2022 to June 30, 2023) is attached. The only action required at this time is to receive and file the draft report. The annual Engineer's Report will be finalized following the public hearing on March 20, 2024.

A subsequent public hearing, to be scheduled for April 17, 2024, is required to set the Replenishment Assessment, Basin Equity Assessment and Basin Production Percentage for the ensuing 2024-25 water year.

Attachment – Draft 2022-23 Engineers Report

RECOMMENDATION

Receive and file the draft 2022-23 Engineer's Report and schedule a public hearing on March 20, 2024 to present the Report's findings and on April 17, 2024 to consider establishing the Replenishment Assessment, Basin Equity Assessment and Basin Production Percentage for the 2024-25 water year.

PRIOR RELEVANT BOARD ACTION(S)

Annual

DRAFT

2022-2023

ENGINEER'S REPORT ON

GROUNDWATER CONDITIONS,

WATER SUPPLY AND BASIN UTILIZATION

IN THE

ORANGE COUNTY WATER DISTRICT

FEBRUARY 2024

ORANGE COUNTY WATER DISTRICT
BOARD OF DIRECTORS

Valerie Amezcua
Denis R. Bilodeau, P.E.
Cathy Green
Natalie Meeks
Dina Nguyen, Esq.
Stephen R. Sheldon
Van Tran, Esq.
Erik K. Weigand
Bruce Whitaker
Roger C. Yoh, P.E.

John C. Kennedy
General Manager

DRAFT

2022-2023

ENGINEER'S REPORT ON

GROUNDWATER CONDITIONS,

WATER SUPPLY AND BASIN UTILIZATION

IN THE

ORANGE COUNTY WATER DISTRICT

FEBRUARY 2024

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DIRECTORS

VALERIE AMEZCUA
DENIS R. BILODEAU, P.E.
CATHY GREEN
NATALIE MEEKS
DINA L. NGUYEN, ESQ.
STEPHEN R. SHELDON
VAN TRAN, ESQ.
ERIK K. WEIGAND
BRUCE WHITAKER
ROGER C. YOH, P.E.



ORANGE COUNTY WATER DISTRICT
ORANGE COUNTY'S GROUNDWATER AUTHORITY

OFFICERS

President
CATHY GREEN

First Vice President
DENIS R. BILODEAU, P.E.

Second Vice President
VAN TRAN, ESQ.

General Manager
JOHN C. KENNEDY

February 21, 2024

John C. Kennedy
General Manager
Orange County Water District
Post Office Box 8300
Fountain Valley, CA 92728-8300

Dear Mr. Kennedy:

In accordance with Section 26 of the District Act, the 2022-2023 Engineer's Report on the Groundwater Conditions, Water Supply and Basin Utilization in the District is hereby submitted.

Precipitation for the water year July 1, 2022 through June 30, 2023 within the District's boundaries averaged 21.12 inches, which was one hundred fifty eight percent of the long-term average rainfall. The average discharge of Santa Ana River flow past Prado Dam for the water year was measured to be 286,907 acre-feet which represented one hundred thirty two percent of the 30-year average flow. Flow past the District's spreading grounds (including any flow from the Santiago Creek) that was lost to the Pacific Ocean totaled 16,390 acre-feet.

Total water demands within the District for the water year 2022-2023 were 351,719 acre-feet (excluding water used for groundwater replenishment and barrier maintenance), the lowest demands in the past fifty water years. The use of supplemental water in the District's service area during the water year totaled 107,723 acre-feet. Groundwater production within the basin for the water year totaled 245,210 acre-feet which was a decrease of 4.5 percent from the prior water year.

The accumulated basin overdraft decreased from 258,000 acre-feet on June 30, 2022 to 189,000 acre-feet on June 30, 2023 using the three-layer approach and the new benchmark for full-basin conditions. Under the provisions of Section 27 of the District Act, a portion of the Replenishment Assessment for the ensuing 2024-2025 water year could be equal to an amount necessary to purchase up to 123,000 acre-feet of replenishment water.

Sincerely,

Chris S. Olsen
Director of Engineering

Lo Tan
Principal Engineer

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EXECUTIVE SUMMARY

Total water demands within Orange County Water District (OCWD) were 351,719 acre-feet (AF) for the 2022-23 water year (beginning on July 1, 2022 and ending on June 30, 2023). Groundwater production for the water year totaled 245,210 AF including any available In-Lieu Program water. The use of supplemental water in OCWD's service area during the 2022-23 water year totaled 107,723 AF of which 88,441 AF resulted from the direct use by water agencies and districts and 19,282 AF were used for the purpose of groundwater basin replenishment and maintenance of seawater intrusion control barriers.

For the water year which ended on June 30, 2023, the "annual overdraft" (annual basin storage decrease without supplemental replenishment water) was 52,250 AF. The accumulated overdraft decreased from 258,000 AF on June 30, 2022 to 189,000 AF on June 30, 2023. Precipitation within the groundwater basin was one hundred fifty eight percent of the long-term average during this water year, totaling 21.12 inches.

Based on the groundwater basin conditions for the water year ending on June 30, 2023, OCWD may purchase up to 123,000 AF of water for groundwater replenishment during the ensuing water year, beginning on July 1, 2024, pursuant to the District Act.

ACKNOWLEDGMENTS

A number of public and private entities contributed data used in this report including:

City of Anaheim
City of Buena Park
East Orange County Water District
City of Fountain Valley
City of Fullerton
City of Garden Grove
Golden State Water Company
City of Huntington Beach
Irvine Ranch Water District
City of La Palma
Mesa Water District
Metropolitan Water District of Southern California
Municipal Water District of Orange County
City of Newport Beach
City of Orange
County of Orange, Public Works Department
Orange County Sanitation District
City of Santa Ana
Santa Ana Watershed Project Authority
City of Seal Beach
Serrano Water District
City of Tustin
United States Geological Survey
City of Westminster
Yorba Linda Water District

The cooperation received from all agencies is gratefully acknowledged.

This report is based on the 2022-23 Basic Data Report which is placed on file at the office of OCWD in Fountain Valley.

GLOSSARY OF ACRONYMS

AF	Acre-Feet
AWPF	Advanced Water Purification Facility
BEA	Basin Equity Assessment
BPP	Basin Production Percentage
CPTP	Coastal Pumping Transfer Program
CUP	Conjunctive Use Program
EOS	Extraordinary Supply
GAP	Green Acres Project
GWRS	Groundwater Replenishment System
IDP	Irvine Desalter Project
IRWD	Irvine Ranch Water District
MF	Microfiltration
mg/L	Milligrams per Liter
MBI	Mid-Basin Injection
MGD	Million Gallons per Day
MSL	Mean Sea Level
MWD	Metropolitan Water District of Southern California
MWDOC	Municipal Water District of Orange County
NO ₃	Nitrate
O&M	Operation and Maintenance
OC San	Orange County Sanitation District
OCWD	Orange County Water District
PFAS	per- and polyfluoroalkyl substances
RA	Replenishment Assessment
RO	Reverse Osmosis
RTS	Readiness-to-Serve
SAR	Santa Ana River
SARCCUP	Santa Ana River Conservation and Conjunctive Use Program
SBVMWD	San Bernardino Valley Municipal Water District
SPW	State Project Water
TDS	Total Dissolved Solids
UV	Ultraviolet
WRD	Water Replenishment District of Southern California

PART I: GROUNDWATER CONDITIONS

Section 25 of the OCWD Act requires that OCWD order an annual investigation to report on the groundwater conditions within the District's boundaries. A summary of the groundwater conditions for the water year covering July 1, 2022 to June 30, 2023 is as follows.

GROUNDWATER CONDITIONS 2022-23 SUMMARY OF FINDINGS

1. Groundwater production (including any In-Lieu Program water) totaled 245,210 acre-feet (AF) for the 2022-23 water year.
2. Groundwater stored in the basin increased by 69,000 AF for the 2022-23 water year.
3. Accumulated Overdraft¹ on June 30, 2023 was 189,000 AF.²
4. Annual Overdraft was 52,250 AF for the 2022-23 water year.
5. Average Annual Overdraft³ for the immediate past five water years (2018-19 through 2022-23) was 103,700 AF.
6. Projected Annual Overdraft³ for the current 2023-24 water year is 98,000 AF.
7. Projected Annual Overdraft³ for the ensuing 2024-25 water year is 110,000 AF.
8. Projected Accumulated Overdraft² on June 30, 2024 is 168,000 AF.
9. Under the provisions of Section 27 of the District Act, a portion of the 2024-25 Replenishment Assessment (RA) could be equal to an amount necessary to purchase up to 123,000 AF of replenishment water.⁴

¹ Accumulated overdraft was calculated using OCWD's three-layer storage change methodology adopted on March 21, 2007 and the associated new benchmark for full-basin conditions. Water year 2005-06 was the first year this methodology was used. Additional explanation can be found in the report on "Evaluation of Orange County Groundwater Basin Storage and Operational Strategy" by OCWD in 2007.

² Water from the Metropolitan Water District of Southern California Long-Term Groundwater Storage Program was included as part of the total stored water in determining the basin's accumulated overdraft.

³ Annual overdraft is defined in the District Act as "the quantity, determined by the Board of Directors, by which the production of groundwater supplies within said District during the water year exceeds the natural replenishment of such groundwater supplies in such water year."

⁴ Determined by adding the five-year average annual overdraft (103,700 AF) to one-tenth of the accumulated overdraft (189,000 AF) which results in the following:
 $103,700 \text{ AF} + [(189,000 \text{ AF}) \times 0.10] = 122,600 \text{ AF}$ (or 123,000 AF when rounded).

BASIN HYDROLOGY

Groundwater conditions in the Orange County groundwater basin are influenced by the natural hydrologic conditions of rainfall, capture and recharge of Santa Ana River (SAR) and Santiago Creek stream flows, natural infiltration of surface water, and the transmissive capacity of the basin. The basin is also influenced by groundwater extraction and injection through wells, use of imported water for groundwater replenishment, wastewater reclamation and water conservation efforts and activities throughout OCWD's service area.

The water year beginning on July 1, 2022, yielded an average of 21.12 inches of rainfall within OCWD's boundaries, which is approximately one hundred fifty eight percent of the long-term annual average of 13.40 inches. Rainfall data within OCWD's boundaries was provided by the Orange County Public Works Department. The rainfall for the previous water year (2021-22) was 6.84 inches. The average annual rainfall in the OCWD service area for the five-year period (from July 1, 2018 through June 30, 2023) was 13.56 inches, and above-average rainfall in the watershed tends to lead to higher flows in the SAR reaching Orange County. Stream flow in the SAR measured downstream of Prado Dam for the water year 2022-23 totaled 286,907 AF which was approximately 132 percent of the 30-year flow average of 216,401 AF.

GROUNDWATER PRODUCTION

Groundwater production from wells within OCWD for the 2022-23 water year totaled 245,210 AF (excluding In-Lieu Program water, MWD Groundwater Storage Program extractions, and any groundwater used for the Talbert Barrier): 244,674 AF for non-irrigation and 536 AF for irrigation uses. The term "irrigation" used in the District Act and herein refers to irrigation for agricultural, horticultural, or floricultural crops and for pasture grown for commercial purposes.

OCWD's In-Lieu Program replaces groundwater supplies with imported water to reduce groundwater pumping. During the 2022-23 water year, OCWD did not purchase In-Lieu Program water from MWD in spite of its availability. Historical data on the annual groundwater production and In-Lieu quantities within OCWD are shown in Figure 1. Table 1 summarizes the annual groundwater production and In-Lieu Program water for the period of 1973-74 through 2022-23.

Groundwater production and In-Lieu Program quantities for 2022-23 for the major groundwater producers are summarized in Appendix 1. The groundwater production for all producers exceeding 25 AF per year for non-irrigation and irrigation purposes are presented in Appendices 2 and 3, respectively.

FIGURE 1. Groundwater Production

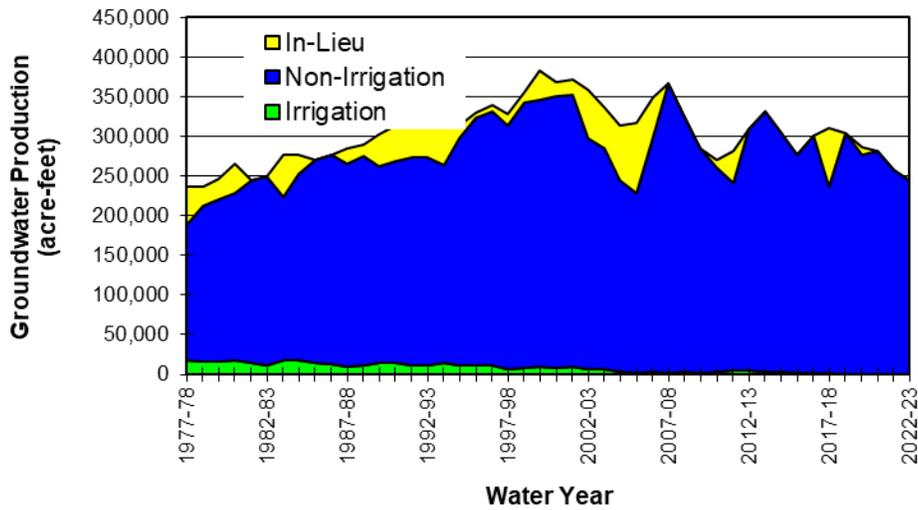


TABLE 1. Historical Groundwater Production Within OCWD

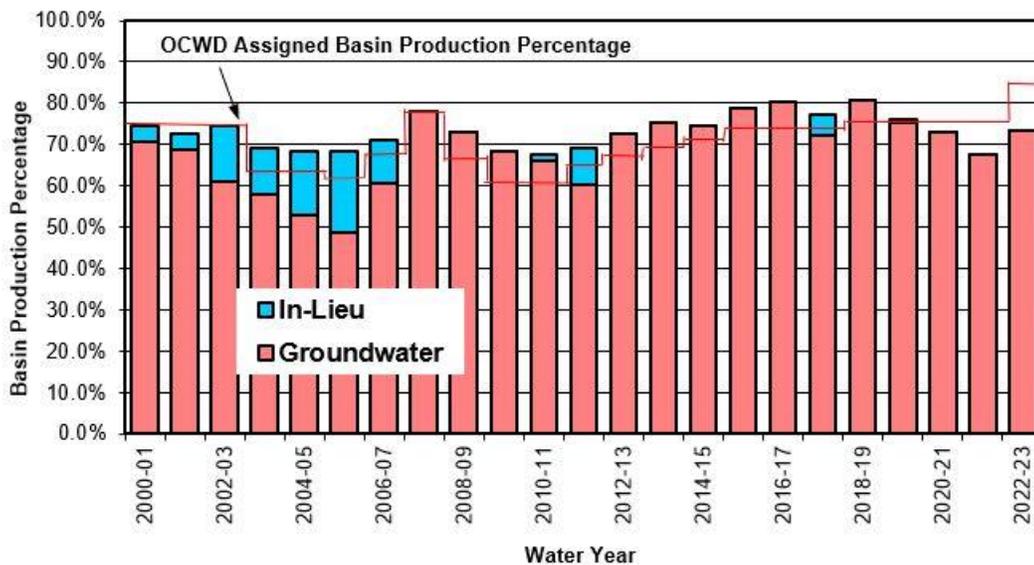
Water Year Jul 1-Jun 30	Groundwater Production (AF)	In-Lieu Program (AF)	Water Year Jul 1-Jun 30	Groundwater Production (AF)	In-Lieu Program (AF)
1973-74	218,863	-	1998-99	342,823	13,352
1974-75	225,597	-	1999-00	345,362	38,007
1975-76	245,456	-	2000-01	350,385	18,640
1976-77	243,511	-	2001-02	352,113	19,473
1977-78	188,407	-	2002-03	297,191	61,463
1978-79	213,290	48,290	2003-04	284,621	52,168
1979-80	221,453	23,792	2004-05	244,370	69,617
1980-81	228,943	24,861	2005-06	228,159	89,216
1981-82	244,184	36,373	2006-07	299,118	50,740
1982-83	249,548	-	2007-08	366,185	-
1983-84	223,207	-	2008-09	324,147	-
1984-85	252,070	52,822	2009-10	285,575	-
1985-86	270,932	25,198	2010-11	259,861	10,435
1986-87	276,354	-	2011-12	241,082	40,564
1987-88	265,226	-	2012-13	309,295	-
1988-89	275,077	18,856	2013-14	330,782	-
1989-90	261,190	15,022	2014-15	305,259	-
1990-91	266,745	38,961	2015-16	277,090	-
1991-92	271,224	44,588	2016-17	301,637	-
1992-93	273,587	39,789	2017-18	236,916	73,108
1993-94	264,159	38,900	2018-19	303,496	-
1994-95	298,217	48,134	2019-20	277,195	9,355
1995-96	324,111	5,542	2020-21	281,793	-
1996-97	331,406	7,883	2021-22	256,921	-
1997-98	313,805	15,096	2022-23	245,210	-

BASIN PRODUCTION PERCENTAGE

The Basin Production Percentage (BPP) is defined in the District Act as “...the ratio that all water to be produced from groundwater supplies within the district bears to all water to be produced by persons and operators within the district from supplemental sources as well as from groundwater within the district.” The BPP applies only to water producers that utilize more than 25 AF of groundwater per water year. Water producers that use 25 AF or less from the groundwater basin are excluded from the production percentage limitation.

The BPP for the 2022-23 water year was initially established at 77.0 percent by the OCWD Board of Directors, but effectively increased to 85% in February 2023 for the remainder of the water year. The overall BPP achieved within OCWD for non-irrigation use in the 2022-23 water year was 73.3 percent. The achieved pumping is less than the assigned BPP for the water year primarily due to the water quality impacts of per- and polyfluoroalkyl substances (PFAS). The production percentage achieved by each major producer for non-irrigation use is presented in Appendix 1. Historical assigned and achieved BPPs are illustrated below in Figure 2.

FIGURE 2. Groundwater BPP



GROUNDWATER LEVELS

Groundwater levels in the Orange County groundwater basin are shown on Plate 1. Groundwater level data used to prepare this plate were collected during late June and early July 2023 from over 500 production and monitoring wells screened within the principal aquifer system (approximately 300 to 1,200 feet deep), from which over 90% of basin pumping occurs. The groundwater elevation contours range from 10 to 80 feet below mean sea level in the coastal area of the basin due to pumping. A general indicator of changing basin levels is the location of the zero (0) mean sea level (MSL) elevation contour each year (MSL elevations are referenced to Vertical Datum NGVD 29). The zero MSL contour moved seawards (ranging from 0.1 to 1.7 miles) when compared to its alignment of the prior year, indicating an increase in groundwater levels in the principal aquifer system from June 2022 to June 2023.

Plate 1 also shows the relatively large depression in groundwater levels in the southern Santa Ana and northern Costa Mesa area due to the large concentration of production wells in this area. Groundwater levels are 40 to 50 feet lower than the surrounding areas. The potential impacts of this pumping depression include increased seawater intrusion and low well water levels which have been mitigated by OCWD's basin management programs including the Talbert seawater barrier expansion, the Groundwater Replenishment System (GWRS) and the mid-basin injection (MBI) wells. However, should groundwater production in this area substantially increase or groundwater elevations continue to decrease, the potential negative impacts should be evaluated in advance as they could, at least, partially offset the mitigative benefits of the aforementioned basin management programs.

Plate 2 shows the change in groundwater levels from June 2022 to June 2023 for the principal aquifer system. In the principal aquifer, groundwater levels generally rose by approximately 10 to 20 feet throughout most of the groundwater basin except at the OCWD Santiago Basin recharge facility in Orange where groundwater levels rose by 60 to 80 feet, at the OCWD recharge facilities in Anaheim where groundwater levels rose by 20 to 30 feet, and in the Irvine Sub-basin where groundwater levels rose by 20 to 40 feet.

Plate 3 shows the groundwater elevation trends within the principal aquifer since 1980 at four key well locations across the groundwater basin. In the pressure area of the basin at key wells GG-16 and COS-PLAZ, seasonal groundwater level fluctuations are noticeably larger than at AM-14 and IDM-3 located in the Anaheim and Irvine Forebay areas, respectively. All four key well locations show an increased water level response during or immediately following high-recharge wet periods such as 2005-06, 2011-12, 2018-19, and most recently 2022-23, but the response is largest at AM-14 due to its proximity to OCWD's spreading grounds.

The storage increase of 69,000 AF resulted primarily from a significant rise in groundwater levels throughout most of the basin from June 2022 to June 2023. In the shallow aquifer, groundwater levels increased approximately 30 to 40 feet in the Anaheim Forebay area surrounding the OCWD recharge facilities, 20 to 50 feet near Santiago Basin, and 5 to 10 feet throughout the greater Anaheim/Fullerton Forebay area. Shallow aquifer groundwater levels increased approximately 0 to 5 feet in the pressure area of the basin and were stable relative to the prior year near the Talbert Barrier, where elevations remained at or above protective elevations for seawater intrusion control.

In the principal aquifer, groundwater levels rose approximately 20 to 30 feet surrounding the OCWD Anaheim recharge facilities, 20 to 60 feet in the Santiago area, 10 to 20 feet in the greater Anaheim/Fullerton Forebay area, and 20 to 40 feet in the Irvine Sub-basin. Principal aquifer groundwater levels rose 5 to 10 feet throughout most of the pressure area of the basin, except for the Irvine Ranch Water District (IRWD) Dyer Road Well Field and west end of the Talbert Barrier, where water levels slightly decreased 0 to 5 feet.

In the deep aquifer, groundwater levels surrounding the OCWD recharge facilities rose 10 to 20 feet in Anaheim, 20 to 30 feet in Orange near the SAR, and 20 to 40 feet near Santiago Basin. Deep aquifer groundwater levels rose 10 to 20 feet in the greater Anaheim/Fullerton Forebay area, 5 to 20 feet in the Irvine Sub-basin, and 0 to 10 feet in the pressure area.

In all three aquifers, groundwater levels in the Central Basin near the county line generally increased as much or more than in western Orange County.

ANNUAL OVERDRAFT

Annual groundwater basin overdraft, as defined in the District Act, is the quantity, determined by the Board of Directors, by which the production of groundwater supplies within the District during the water year exceeds the natural replenishment of such groundwater supplies in such water year. This difference between extraction and replenishment can be estimated by determining the change in volume of groundwater in storage that would have occurred had supplemental and recycled water not been used for any groundwater recharge purpose, including seawater intrusion protection, advanced water reclamation and the In-Lieu Program.

For the 2022-23 water year, it is estimated that the volume of groundwater in storage increased by 69,000 AF. The annual overdraft was 52,250 AF for the 2022-23 water year. For the five-year period from July 1, 2018 to June 30, 2023, an annual average of approximately 121,300 AF of supplemental water and recycled water were percolated for replenishment of groundwater basin or injected into the underground basin via wells for seawater intrusion control or used directly in place of pumping groundwater (i.e., In-Lieu

Program). The average annual overdraft during the same five-year period was approximately 103,700 AF.

GROUNDWATER BASIN ACCUMULATED OVERDRAFT

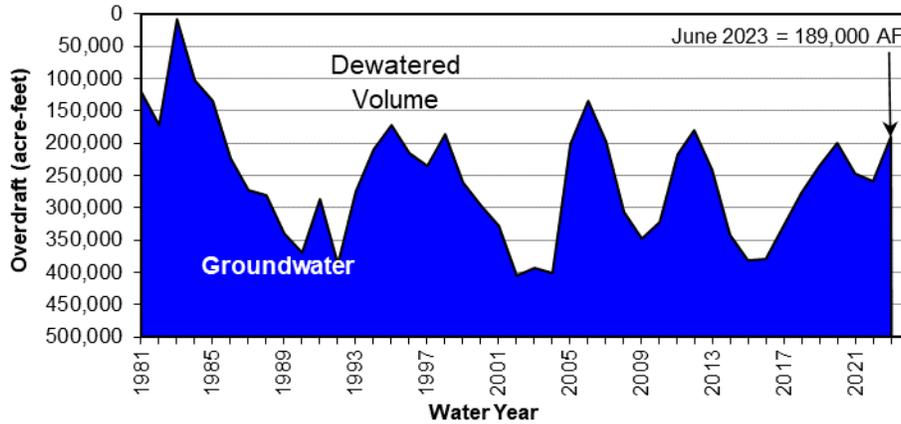
The accumulated overdraft, as defined in the District Act, is the quantity of water needed to be replaced at OCWD's intake area to prevent landward movement of ocean water into the fresh groundwater body. Landward movement of ocean water can be prevented if groundwater levels near the coast are several feet above sea level. Groundwater levels along the coast are related to the volume of water stored in the intake area, water pumped from the entire basin and the pattern or location of pumping. However, the Talbert and Alamitos seawater intrusion control projects have been implemented to prevent landward movement of ocean water into the fresh groundwater body. Due to the operation of seawater intrusion barrier facilities, there is no longer a direct correlation between accumulated overdraft and controlling seawater intrusion. These facilities allow greater utilization of the storage capacity of the groundwater basin. OCWD is also dedicated to maximizing its replenishment capabilities by actively negotiating with the U.S. Army Corps of Engineers to increase its water conservation program behind Prado Dam and implementing a Long-Term Facilities Plan to evaluate cost-effective improvements to its groundwater recharge capabilities.

In February 2007, OCWD staff completed a report entitled "Evaluation of Orange County Groundwater Basin Storage and Operational Strategy." This report presented a new methodology that had been developed, tested, and documented for calculating accumulated overdraft and storage change based on a three-aquifer layer approach. Furthermore, the report provided the basis for calculating accumulated overdraft using a new full-basin benchmark that was developed for each of the three aquifer layers, which in effect replaces the traditional single-layer full benchmark of 1969.

The annual analysis of basin storage change and accumulated overdraft for water year 2022-23 has been completed. Based on the three-layer methodology, an accumulated overdraft of 189,000 AF was calculated for the water year ending on June 30, 2023. The accumulated overdraft for the prior water year ending on June 30, 2022 was 258,000 AF (also calculated using the three-layer storage method). Therefore, an annual increase of 69,000 AF (reported earlier herein this report) was calculated as the difference between the June 2022 and June 2023 accumulated overdrafts.

Figure 3 shows the accumulated basin overdraft quantities for the period 1981 through 2023.

FIGURE 3. Accumulated Basin Overdraft



The accumulated overdraft for the current water year ending on June 30, 2024 is projected to be 167,000 AF. The projected annual overdraft is estimated to be 98,000 AF. This quantity is based on assumed annual groundwater production of approximately 280,000 AF for the current water year (including groundwater pumping within the BPP, In-Lieu Program water, groundwater pumped above the basin production percentage (BPP) from water quality improvement projects and MWD Groundwater Storage Program extractions) and that natural replenishment (including captured SAR flows and incidental recharge) is estimated to be approximately 182,000 AF for the basin under average rainfall conditions. In addition, GWRS production is projected to reach 117,000 AF.

Projected annual overdraft for the ensuing water year 2024-25 is estimated to be 110,000 AF. This estimate is based on the assumption that total annual groundwater production for the ensuing water year will be 292,000 AF, a figure that is based upon an assumed BPP of 85 percent and includes 15,000 AF of production above the BPP from water quality improvement projects (discussed further in the subsequent section entitled Recommended Basin Production Percentage). The natural replenishment is estimated to be 182,000 AF (average of last five years) under average rainfall conditions, and the GWRS production is projected to be 128,000 AF.

OCWD, MWD, the Municipal Water District of Orange County (MWDOC) and participating producers approved the funding agreement for the MWD Long-Term Groundwater Storage Program on June 25, 2003. This conjunctive use program (also informally referred to as MWD CUP) provides for MWD to store up to 66,000 AF in the OCWD groundwater basin to be pumped (less basin losses) by participating producers in place of receiving imported supplies during water shortage events. A compensation package from MWD was included in the agreement to build eight new groundwater

production wells, improvements to the seawater intrusion barrier, construction of the Diemer Bypass Pipeline and an annual administrative fee. The preferred means to store water in the MWD storage account has been through the In-Lieu deliveries to participating groundwater producers. Water into the MWD storage account has also been conducted through direct replenishment utilizing OCWD Forebay recharge basins. In any event, the water stored or extracted by MWD is considered as MWD supply and not groundwater production. There was no MWD CUP water stored or extracted in water year 2022-23 and the balance remains zero AF in the MWD CUP account at the end of the water year. The annual quantities and cumulative totals of MWD water stored since the inception of the program are shown in Appendix 4. It is important to note that the reported quantities do not include pumping extractions from the account or basin losses.

In April 2019, OCWD established the Santa Ana Conservation and Conjunctive Use Program (SARCCUP) water bank in the OCWD groundwater basin. Other SARCCUP water bank owners which include San Bernardino Valley Municipal Water District (SBVMWD), Western Municipal Water District (WMWD) and Eastern Municipal Water District (EMWD) also established water banks within their own service areas. The OCWD water bank can contain up to 36,000 AF of water to be used during dry years, as determined by OCWD. Sources of water for the SARCCUP banks include surplus State Project Water (SPW) from SBVMWD, imported water purchased from MWD, and water purchased on the open market. The SBVMWD, a SPW contractor, and MWD have an agreement in which surplus SPW purchased by MWD is made available to OCWD and other SARCCUP agencies for storage in the multiple water banks in the SAR watershed. Surplus SPW purchased from MWD can qualify as Extraordinary Supply (EOS) water which can be used during years when MWD reduces imported supplies via an allocation process. For accounting purposes, two types of water will be tracked in the OCWD SARCCUP water bank. The first is imported water, which is designated as local water and can be used in dry years as determined by OCWD. The second is the EOS water which is surplus SPW. The EOS water can be used during dry years or during allocation years.

The SARCCUP water bank was financed by a \$55M Proposition 84 Integrated Regional Water Management grant from the Department of Water Resources and local matching funds from participating agencies including OCWD, SBVMWD, Inland Empire Utilities Agency, WMWD and EMWD. To date, 2,000 AF of imported water is in SARCCUP OCWD water bank.

REPLENISHMENT RECOMMENDATION

Section 27(b) of the District Act states the following:

“The total of the replenishment assessment levied in any year shall not exceed an amount of money found to be necessary to purchase sufficient water to replenish the average annual overdraft for the immediate past five water years plus an additional amount of water sufficient to eliminate over a

period of not less than 10 years nor more than 20 years, the accumulated overdraft, plus an amount of money to pay the costs of initiating, carrying on, and completing any of the powers, projects and purposes for which this district is organized.”

Based upon Section 27(b), that portion of the RA that is used for water purchases for the ensuing water year 2024-25 is limited to the amount needed to purchase 123,000 AF as calculated below:

Five-year (7/1/2018 through 6/30/2023) Average Annual Overdraft* = 103,700 AF
 Accumulated Overdraft (End of Water Year 2022-23) = 189,000 AF
 Assumed Time Period to Eliminate Accumulated Overdraft = 10 years
 Potential Water Purchase Amount: 103,700 AF + (189,000 AF/10 years) = 122,600 AF (use 123,000 AF)

*Referred to as the Average Annual Overdraft in Section 27(b) of the District Act.

Table 2 presents the proposed 2024-25 water budget expenses, which shows the proposed quantity of purchased water (3,000 AF) being significantly less than the prescribed limit of 123,000 AF as allowed for under the provisions of Section 27(b) of the District Act.

TABLE 2. 2024-25 Water Budget Expenses

Water Source	Amount (AF)	Unit Cost (\$/AF)	Total Cost (\$)
Alamitos Barrier	3,000	\$ 1,440.00	\$ 4,320,000
MWD Untreated Full-Service Water	<u>0</u>	\$ 879.50	<u>\$ 0</u>
Water Purchases Sub-total	3,000	—	\$ 4,320,000
Applicable Charges			Total Cost (\$)
MWD Readiness to Serve Charge	—	—	\$ 1,300,000
MWDOC Groundwater Charge	—	—	\$ 400,000
MWD Capacity Charge	—	—	\$ 10,000
Total Expenses			\$ 6,030,000

RECOMMENDED BASIN PRODUCTION PERCENTAGE

In December 2002, OCWD approved a basin management approach for determining the BPP for future water years. The management approach is based upon the development of a base amount of groundwater production the basin can annually sustain utilizing dependable water supplies OCWD expects to receive. It is a policy for OCWD to provide an estimate of the BPP each January for the following fiscal year to assist the groundwater producers in the preparation of their annual budgets.

The BPP does not restrict the amount of groundwater that a groundwater producer may pump; but a groundwater producer must pay the basin equity assessment (BEA) on any groundwater production (other than BEA-exempt groundwater) above the BPP. The BEA

is set at an amount so that groundwater production above the BPP cost the same amount as imported supplemental water. If groundwater producers produced groundwater significantly above the BPP, this additional groundwater production could increase the annual overdraft (and, over time, increase the accumulated overdraft), with potential detriments to the basin, including seawater intrusion. Substantial groundwater production significantly above the BPP could also impair OCWD's ability to manage the groundwater basin for sustainable groundwater production. The OCWD Act provides regulatory powers to OCWD that can be exercised by OCWD, including the setting of basin production limitations and surcharges, and mid-year modifications to the BPP, BEA, and production limitations/surcharges, to address potential production of significant quantities of groundwater above the BPP. The OCWD Board of Directors may approve a surcharge, in an amount to be determined in its discretion, for production by a producer in excess of any production limitation.

A BPP of 85 percent is currently being proposed for the ensuing water year 2024-25. Analysis of the groundwater basin's projected accumulated overdraft, the available supplies to the basin (assuming below-average hydrology) and the projected pumping demands indicate that this level of pumping could potentially be sustained for 2024-25 without detriment to the basin. Under normal conditions, the annual groundwater production could reach 315,000 AF. However, it is anticipated that the groundwater production for the ensuing water year 2024-25 will be approximately 292,000 AF due to the water quality impacts of PFAS causing wells to be shut down.

In order to achieve water quality objectives in the groundwater basin, it is estimated for the ensuing water year 2024-25 that additional production of approximately 15,000 AF (above the BPP) will be undertaken by the City of Tustin, City of Huntington Beach, Mesa Water District and IRWD. These agencies need the additional pumping allowance in order to accommodate groundwater quality improvement projects. As in prior years, production above the BPP from these projects would be partially or fully exempt from the BEA as a result of the benefit provided to the basin by removing poor-quality groundwater and treating it for beneficial use.

In March 2024, staff will review with the OCWD Board of Directors the basis and the assumptions made for the proposed BPP and receive any direction on the matter. In April 2024, staff will again apprise the OCWD Board of Directors on the status of the aforementioned conditions. If the estimate of basin supplies in the current or ensuing year are substantially different than those contained in the respective conditions, a revised BPP may then be recommended.

PART II: WATER SUPPLY AND BASIN UTILIZATION

Section 31.5 of the District Act requires an investigation and annual report setting forth the following information related to water supply and basin utilization within the OCWD service area, together with other information as OCWD may desire:

WATER SUPPLY AND BASIN UTILIZATION 2022-23 SUMMARY OF FINDINGS

1. Water usage from all supplemental sources and non-local water sources (if any) totaled 107,723 AF for the 2022-23 water year.
2. Water usage from recycled water produced from within OCWD including the GWRS totaled 120,018 AF for the 2022-23 water year.
3. Water demands within OCWD totaled 351,719 AF for the 2022-23 water year.
4. Estimated demands for groundwater for the ensuing 2024-25 water year are 292,000 AF.

SUPPLEMENTAL WATER

Supplemental water is used by water agencies within OCWD's boundary to augment groundwater supplies in satisfying their user demands and by OCWD to recharge the groundwater basin. Supplemental water, as defined in Section 31.5 of the District Act, is any water that originates from outside the SAR watershed (comprised of an area of 2,081 square miles) with the exception of that portion of that watershed on and along Santiago Creek upstream of the downstream toe of the slope of the Villa Park Flood Control Dam which is counted as supplemental water. It is important to note that the Santiago Creek watershed lies entirely within the SAR watershed. Sources of supplemental water typically include imported deliveries from MWD and diversions from Irvine Lake/Santiago Reservoir (i.e., Santiago Creek) that are conveyed to users within OCWD boundaries. MWD deliveries originate from either the Colorado River or the SWP. In addition, supplemental water would also include deliveries from within the SAR watershed that involve water exchanges (i.e., releasing a quantity of water that originates from within the SAR watershed while importing an equal quantity of supplemental water to replace it).

Non-local waters are defined, for the purposes of this report, as waters purchased from agencies outside of OCWD's boundary for use within OCWD. Non-local waters include all water deliveries to OCWD where the water source is located within the SAR watershed. Water deliveries to OCWD from the Arlington Desalter in Riverside and the San Bernardino Valley Municipal Water District's High Groundwater Mitigation Project are considered non-local waters. Although not utilized in recent years, both projects involve pumping (and treatment in Arlington's case) and release of groundwater from the SAR upstream groundwater basins to OCWD via the SAR for groundwater replenishment at OCWD Forebay recharge facilities. For the purpose of being consistent with previous Engineer's Reports and to present information in a concise manner, non-local water deliveries that are purchased and used by OCWD for groundwater replenishment are included in the supplemental water totals in this report. However, while accounted for in the supplemental water totals in this Engineer's Report for convenience and consistency purposes, these non-local waters are not supplemental sources of water as defined in Section 31.5 of the District Act because the non-local waters originate within the SAR watershed. These non-local water deliveries are not included in the accounting of supplemental sources that address water demands within OCWD as shown in Table 5.

Recycled wastewater produced and used within OCWD is considered, for the purposes of this report, as neither non-local water nor supplemental water (sometimes referred to as neutral water). Therefore, recycled water that originates from within OCWD is reported separately from supplemental water totals. However, recycled water used in the Alamitos Barrier is supplied by Water Replenishment District of Southern California

(WRD) and originated from outside the SAR watershed, and, as such, is categorized as supplemental water.

Water agencies utilizing supplemental water are listed in Appendix 1. As summarized in Table 3, the use of supplemental water in OCWD’s service area during the 2022-23 water year totaled 107,723 AF of which 88,441 AF resulted from the direct use by water agencies and districts and 19,282 AF were used for groundwater replenishment purposes. The supplemental water used by water agencies included 86,510 AF for municipal and industrial use and zero AF for agricultural purposes. Historical supplemental water usage is illustrated in Figure 4. The GWRS delivered recycled water to OCWD Forebay recharge basins and the Talbert seawater intrusion barrier throughout the 2022-23 water year. A breakdown of non-local water purchases by OCWD from water years 2003-2004 through 2022-23 is presented in Appendix 4.

TABLE 3. 2022-23 Supplemental Water Usage

Direct Agency Use		AF
Imported Water ¹		86,510
Santiago Creek Native Water		1,931
	Subtotal	88,441
Groundwater Replenishment (Purchased)		AF
In-Lieu Program ²		0
Forebay Recharge ³		16,865
Alamitos Barrier ⁴		2,414
Talbert Barrier		3
	Subtotal	19,282
	TOTAL	107,723

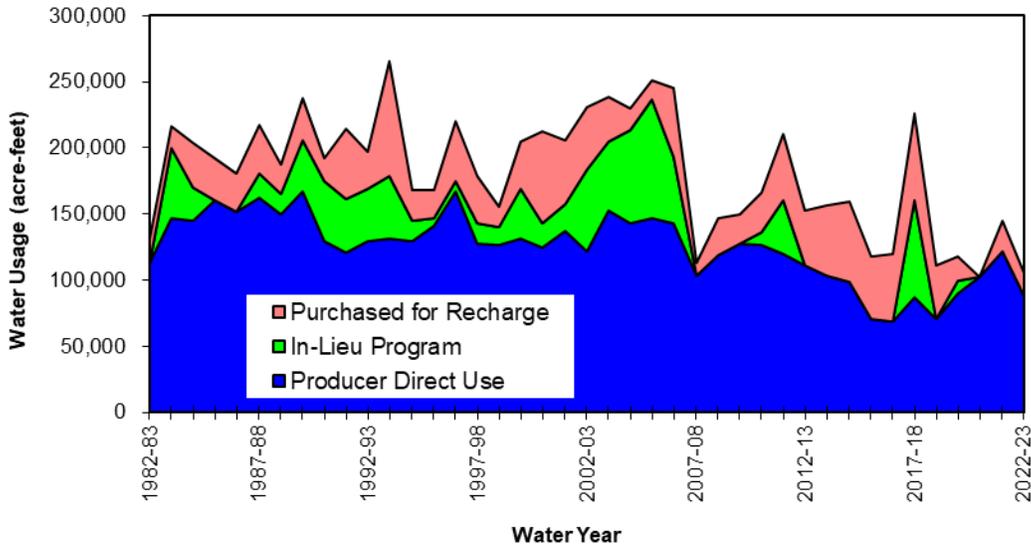
¹Includes any extractions from MWD Groundwater Storage Program.

²Any amount reported herein includes water received by OCWD’s groundwater producers as In-Lieu water.

³Full service rate untreated water.

⁴Total amount combines imported and recycled water deliveries.

FIGURE 4. Historical Supplemental Water Usage



Recycled water use within OCWD is presented in Table 4 (excluding WRD-supplied recycled water to the Alamitos Barrier because this water is categorized as supplemental water and already included in the total amount reported in Table 3). The major uses of recycled water are groundwater replenishment (including Kraemer, Miller, Miraloma and La Palma recharge basins and Talbert Barrier injection wells) and supply water for irrigation and industrial users.

TABLE 4. 2022-23 Recycled Water Usage

Groundwater Replenishment		Water Usage (AF)
GWRS AWPf (for Talbert Barrier)		19,747
GWRS AWPf (for Recharge Basins) ¹		74,687
GWRS AWPf (for Mid-Basin Injection)		7,516
Subtotal		101,950
Irrigation		Water Usage (AF)
IRWD ²		14,672
OCWD (Green Acres Project) ³		3,396
Subtotal		18,068
TOTAL		120,018

¹Includes 63 AF of GWRS recycled water delivered to City of Anaheim Canyon Power Plant and Anaheim Regional Transportation Intermodal Center.

²Recycled water used within the portion of OCWD that lies within IRWD's boundaries (excludes OCWD/IRWD intertie water deliveries to the Green Acres Project).

³Excludes deliveries to the Orange County Sanitation District and includes IRWD/OCWD Intertie deliveries to the Green Acres Project.

AVAILABILITY OF SUPPLEMENTAL REPLENISHMENT WATER

MWD's untreated full-service water supply for any groundwater-basin agencies was available during the water year 2022-23 as a result of its allocation of State Project Water and normal rainfall conditions. Supplemental water from MWD to recharge the groundwater basin is available in the current water year and is expected to be available in the ensuing water year 2024-25. OCWD is not planning to purchase untreated full-service water to recharge its groundwater basin in the ensuing water year 2024-25 due to the relatively full condition of the groundwater basin.

WATER DEMANDS

During the 2022-23 water year, the total water demands within OCWD's service area were 351,719 AF. Total demands include the use of groundwater, MWD In-Lieu Program water, supplemental sources (including imported water and Santiago Creek native water) and recycled water (which is not included within supplemental sources if originating within the SAR watershed). Total demands exclude any groundwater, supplemental water, and recycled water (such as the GWRS recycled water) used by OCWD for groundwater recharge.

Water demands for 2022-23 and projected water demands for 2023-24 and 2024-25 are summarized in Table 5. The water demands for the current year 2023-24 were determined by assessing the data that is presently available for the first half of the water year and projecting that data to develop the total annual water demands. The water demands for the ensuing year 2024-25 are based on the projections provided by the retail water agencies within OCWD's service area. Long-term projections are presented in Figure 5.

TABLE 5. Water Demands Within OCWD

	Ground-water¹	Imported Water^{2,3}	Santiago Creek Native Water³	Recycled Water⁴	Total⁶
2022-23					
Non-Irrigation	244,674	86,510	1,931	-	333,115
Irrigation	536	0	-	18,068	18,604
Total	245,210	86,510	1,931	18,068	351,719
2023-24 (Current Year)⁵					
Non-Irrigation	279,400	70,000	2,000	-	351,400
Irrigation	600	-	-	18,000	18,600
Total	280,000	70,000	2,000	18,000	370,000
2024-25 (Ensuing Year)⁵					
Non-Irrigation	291,300	59,000	2,000	-	350,300
Irrigation	700	-	-	18,000	18,700
Total	292,000	59,000	2,000	18,000	370,000

¹ Includes In-Lieu Program water, if available. Also includes groundwater pumped under water quality improvement agreements entered into between OCWD and certain producers pursuant to Section 38.1 of the District Act where the produced groundwater is exempted from payment of all or a portion of the BEA. The BEA-exempt groundwater is deducted from the projection of total groundwater used to calculate the BPP.

² Excludes water conservation credits and imported water used for groundwater replenishment.

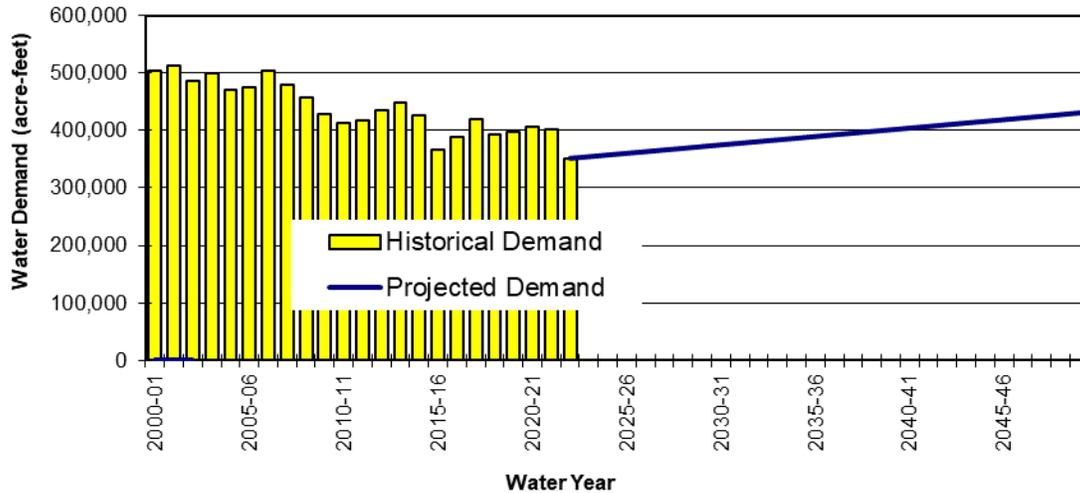
³ "Imported Water" and "Santiago Creek Native Water" are both counted as supplemental water.

⁴ Excludes GWRS recycled water recharged into the groundwater basin. Includes recycled water from IRWD and OCWD's Green Acres Project (excluding Orange County Sanitation District's usage).

⁵ Water demands are estimated by OCWD assuming average hydrology.

⁶ Includes all groundwater and non-groundwater sources and is greater than the number of supplemental sources used in the calculation of BPP. For purposes of this table, supplemental water is calculated as the sum of Imported Water and Santiago Creek Native Water and does not include Recycled Water.

FIGURE 5. Water Demand Projections



Talbert seawater intrusion barrier and percolation into the OCWD groundwater basin via recharge basins and MBI well.

For water year 2022-23, OCWD and IRWD recycled water deliveries for landscape irrigation and industrial uses in Fountain Valley, Costa Mesa, Huntington Beach, Newport Beach, Santa Ana and IRWD's service area within OCWD totaled 18,068 AF.

WRD operates the Alamitos Barrier Recycled Water Project, known as the Leo J. Vander Lans Water Treatment Facility, that has a design capacity of 8 MGD; however, its recent production is typically 4 MGD. This project supplies highly treated recycled water to the Alamitos Barrier. The Leo J. Vander Lans advanced wastewater treatment facility located in Long Beach utilizes the treatment processes of MF, RO and advanced oxidation process of UV light and hydrogen peroxide. This project is ultimately intended to replace most of the imported water used to supply the Alamitos Barrier with purified recycled water. The project operated throughout the water year 2022-23 and supplied 1,619.9 AF of purified recycled water to OCWD's portion of the Alamitos Barrier, which represented 67.1 percent of the barrier's supply that OCWD is responsible for payment. Recycled water deliveries from the Leo J. Vander Lans plant to the Orange County portion of the Alamitos Barrier are classified as supplemental water because this recycled water originates from outside the SAR watershed.

WATER QUALITY

OCWD maintains a comprehensive groundwater protection policy that includes water quality monitoring, removal of contaminants, regulatory agency support, toxic residuals removal and hazardous waste management. In addition, OCWD provides water quality information to regulatory agencies, other water agencies and the general public. In order to meet the current and future water quality testing requirements, OCWD operates the Philip L. Anthony Water Quality Laboratory at the Fountain Valley campus. The laboratory houses approximately 31 chemists and laboratory technicians, 12 water quality monitoring personnel and all the analytical instruments that are needed to perform more than 400,000 analyses of approximately 20,000 water samples taken each water year. The laboratory supports the extensive water quality testing requirements for the GWRS.

When blended together by the major agencies within OCWD's service area, the blended groundwater (without treatment) and treated supplemental water for 2022-23 was determined to have a flow-weighted average of 440 milligrams per liter (mg/L) of total dissolved solids (TDS) which is lower than the average TDS concentration of 465 mg/L reported for the prior year (2021-22). The average groundwater TDS concentration for the basin for 2022-23 was 415 mg/L (compared to 402 mg/L reported for 2021-22), ranging from a low of 235 mg/L in coastal areas (such as Seal Beach) to a high of approximately 716 mg/L in certain inland areas.

Average concentrations of TDS, nitrate (NO₃) and hardness for groundwater and groundwater combined with supplemental water supplied by agencies within OCWD's service area during the 2022-23 water year are summarized in Table 6. These concentrations were determined from groundwater and supplemental water analyses and from production reports submitted to and filed with OCWD by each water agency. The City of Tustin and IRWD have active groundwater treatment projects that help to reduce certain constituents reported in Table 6 in their groundwater supply prior to service to their customers (see note 6 for detailed explanation).

WATER RESOURCES DATA

A summary of water resources data within OCWD for the 2022-23 water year and the previous water year (2021-22) is included in Appendix 5.

PART III: WATER PRODUCTION COSTS FOR ENSUING WATER YEAR (2024-25)

Section 31.5 of the District Act requires that costs of producing groundwater and obtaining supplemental water be evaluated annually. These costs vary for each groundwater producer and depend on many factors. Although these variations in cost are recognized, it is necessary for the purpose of this report to arrive at figures representing the average cost of producing groundwater and purchasing supplemental water.

ENSUING WATER YEAR (2024-25) WATER PRODUCTION COSTS SUMMARY OF FINDINGS

1. Cost for producing water from the groundwater basin within OCWD including a replenishment assessment for 2024-25 is estimated to be \$1,009.00 per acre-foot.
2. Cost of treated, non-interruptible supplemental water for 2024-25 is estimated to be \$1,380.00 per acre-foot.

GROUNDWATER PRODUCTION COSTS FOR NON-IRRIGATION USE

Cost for producing an acre-foot of groundwater in the ensuing 2024-25 water year has been estimated for a potable water well for a large groundwater producer (i.e., a city water department, water district) in OCWD’s service area. Operations and maintenance (O&M) and energy costs were determined using the cost information provided by nineteen large groundwater producers from a survey conducted by OCWD in fall 2023. The capital cost component was derived using the current capital cost of a typical production well (including design and construction costs) financed with an annual interest rate of five percent and amortized over a 30-year repayment period. Appendix 6 contains several of the key design characteristics for a typical production well. The OCWD RA used in the determination of groundwater production cost is the proposed RA for 2024-25.

The estimated cost for groundwater production for a large groundwater producing entity such as a city water department or a water district is presented in Table 7. The total cost to produce an acre-foot of groundwater within OCWD in the ensuing 2024-25 water year is estimated to be \$1,009 per acre-foot. Based on the responses to the aforementioned survey, the flow-weighted average (based upon the quantity of groundwater pumped) for energy cost equaled \$110 per AF. The O&M costs ranged from \$5 to \$395 per acre-foot with a median cost of approximately \$86 per acre-foot. Elements that influence these costs include load factors and variations in groundwater levels. Recently drilled wells are generally deeper than those drilled decades ago. From the aforementioned survey, the average load factor which indicates the percent-of-use of an extraction facility equaled 50 percent.

TABLE 7. Estimated 2024-25 Groundwater Production Costs

Cost Item	Non-Irrigation Use	
	Annual Cost (\$)	Cost per AF (\$/AF)
Energy	286,000	110 ²
RA	1,788,800	688 ³
Capital	325,000 ^{1,4}	125 ^{1,4}
O&M	223,600	86 ²
Total Cost to Producers	2,623,400	1,009

¹ Based upon an annual average production of 2,600 AF per production well.
² Based on survey of major agencies within OCWD’s service area, non-irrigation groundwater users.
³ Proposed RA for 2024-25.
⁴ Assuming \$5,000,000 capital cost (including design and construction) with an interest rate of five percent amortized over a 30-year period and excluding cost of land purchase.

COST OF SUPPLEMENTAL WATER

Supplemental water is supplied to OCWD’s service area by MWD. MWD delivers both treated and untreated water as either an uninterruptible supply or an interruptible supply. As a result, there are several categories of water available from MWD. The categories most applicable for purposes of this report are 1) uninterruptible (i.e., firm) treated water, which is referred to as “full-service water,” and 2) uninterruptible untreated water. Treated water is purchased and used directly by various groundwater producers for municipal and industrial purposes, while untreated water is purchased and recharged into the basin by OCWD to support higher groundwater production. Table 8 shows the estimated cost for the MWD uninterruptible treated water (full-service water) cost for the ensuing 2024-25 water year. Figure 6 illustrates the historical supplemental water costs along with the historical groundwater production costs. A comparison of estimated costs for groundwater versus supplemental water (non-irrigation use) during the ensuing water year 2024-25 is summarized in Table 9 and in Figure 6. Values used in Figure 6 are presented in tabular form in Appendix 7.

TABLE 8. Estimated 2024-25 Supplemental Water Cost¹

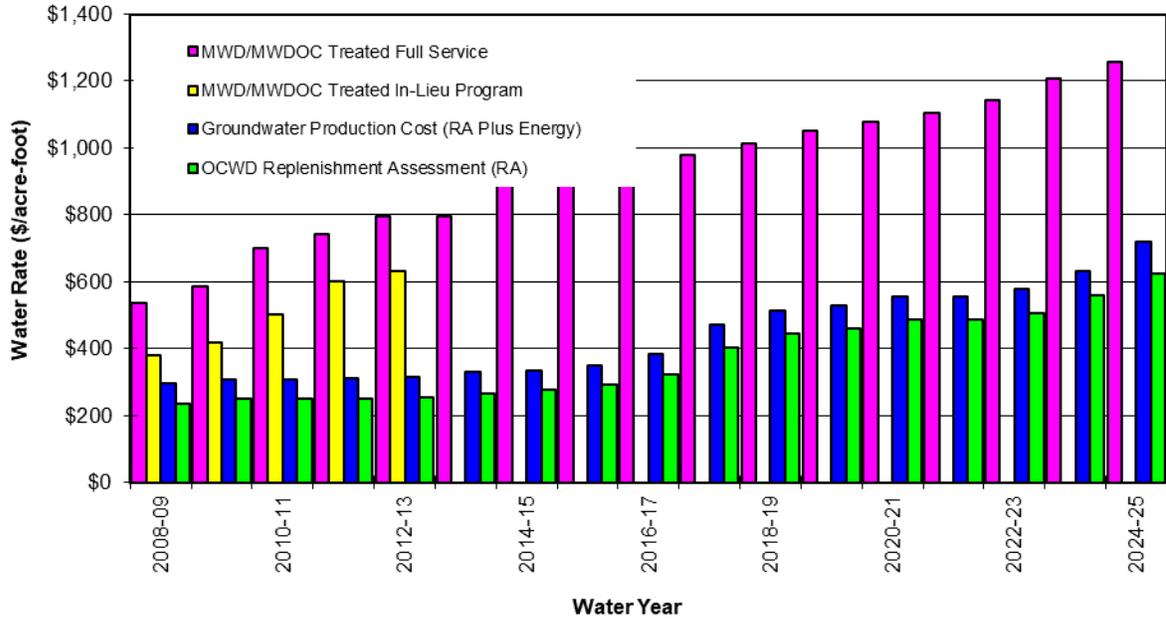
Rate and Charge Components	Treated Water Rate (\$/AF)
Firm Deliveries	Full-Service Water
MWD Supply Rate (MWDOC Melded Rate)	343.50
MWD System Access Rate	402.50
MWD System Power Rate	188.50
MWD Treatment Surcharge	365.50
MWD RTS and Capacity Charges ²	<u>80.00</u>
Total	1,380.00

¹ Rates are an average of calendar year 2024 and calendar year 2025. Supplemental water costs for MWD’s member agencies (i.e., Anaheim, Fullerton, and Santa Ana) are not reported herein due to the variability among these agencies on water supply allocations between MWD’s Tier 1 and Tier 2.

² Readiness-to-Serve (RTS) and Capacity Charges have been converted to an approximate cost per acre-foot but are not normally reported in terms of unit cost.

Cost components for supplemental treated and untreated water are listed in Table 8. Beyond the normally expected water supply, treatment and power charges, there are several other charges. The System Access charge is for costs associated with the conveyance and distribution system, including capital and O&M costs. MWD uses the Capacity Charge to recover its cost for use of peaking capacity within its distribution system. The RTS charge is to recover MWD’s cost associated with providing standby and peak conveyance capacity and system emergency storage capacity.

FIGURE 6. Adopted and Projected Water Rates for Non-Irrigation Use¹



¹ Refer to Appendix 7 for actual values used in Figure 6.

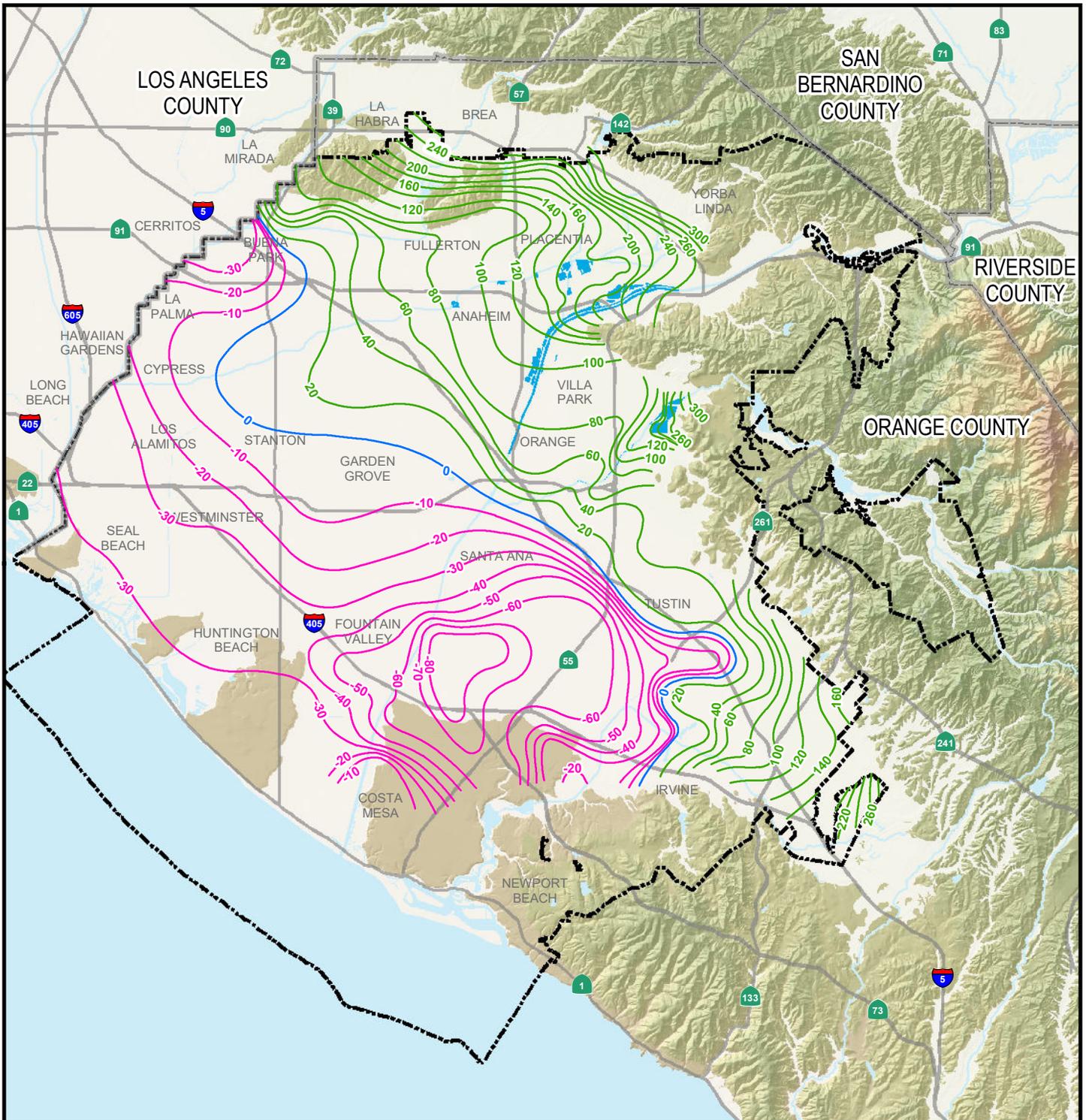
TABLE 9. Estimated 2024-25 Water Production Cost Comparison

Non-Irrigation Use	Groundwater Cost (\$/AF)	Supplemental Water Cost (\$/AF)
Fixed Cost	125.00 ¹	1,380.00 ³
Variable Cost	884.00 ²	- ³
Total	1,009.00	1,380.00

¹ Capital cost.

² Cost for energy, O&M and proposed RA.

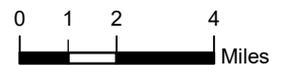
³ Delineation of fixed and variable costs is not available.



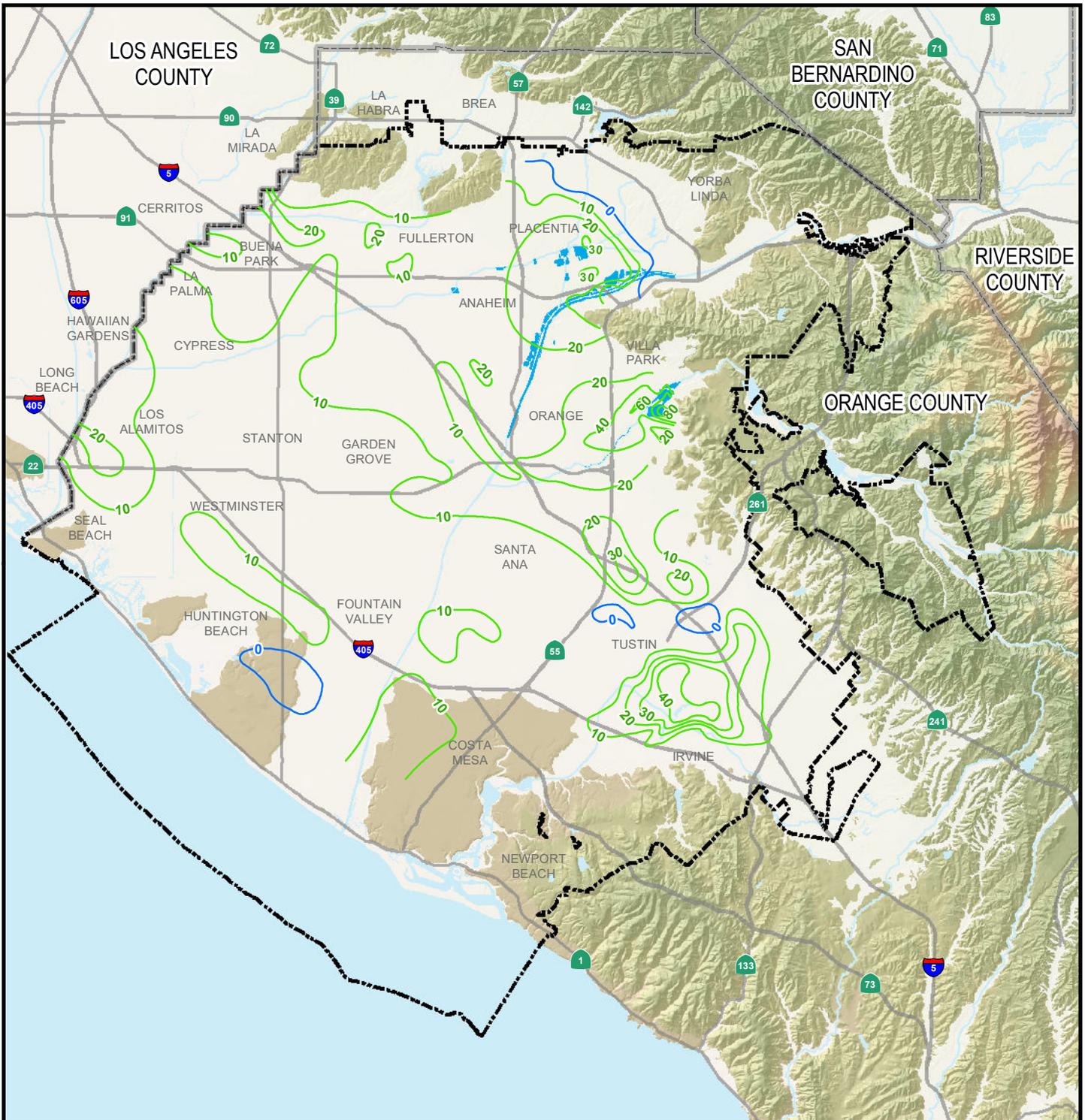
Estimated Groundwater Elevations within the Principal Aquifer Feet above Mean Sea Level* (ft MSL)

- -80 to -10
- 0
- 20 to 300
- Recharge Facility Areas
- Freeways / Highways
- Rivers / Streams
- Orange County Water District
- Water Bodies

**PLATE 1
GROUNDWATER CONTOUR MAP
JUNE 2023**



*NOTE: MSL elevations are referenced to Vertical Datum NGVD 29



**PLATE 2
CHANGE IN GROUNDWATER LEVEL
FROM JUNE 2022 TO JUNE 2023**

- Estimated Groundwater Elevation Changes within the Principal Aquifer (Feet)**
- 0
 - 10 to 80
 - Recharge Facility Areas
 - Freeways / Highways
 - Rivers / Streams
 - Orange County Water District
 - Water Bodies

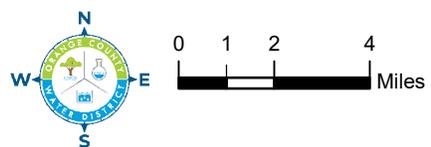
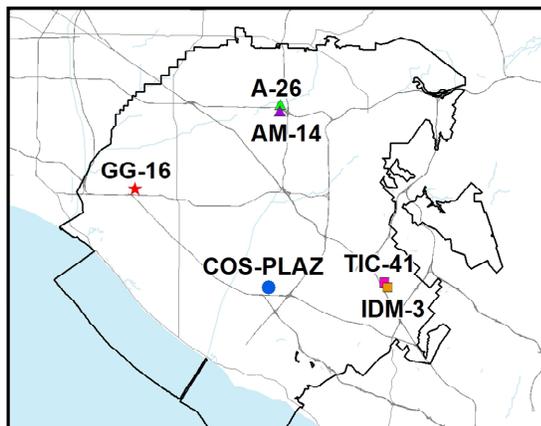
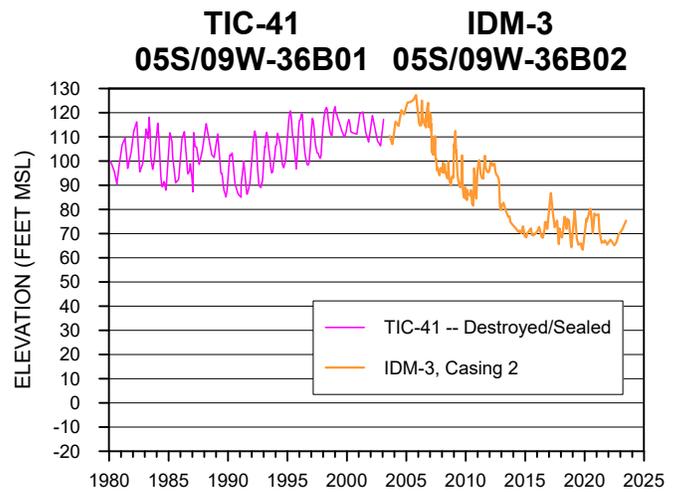
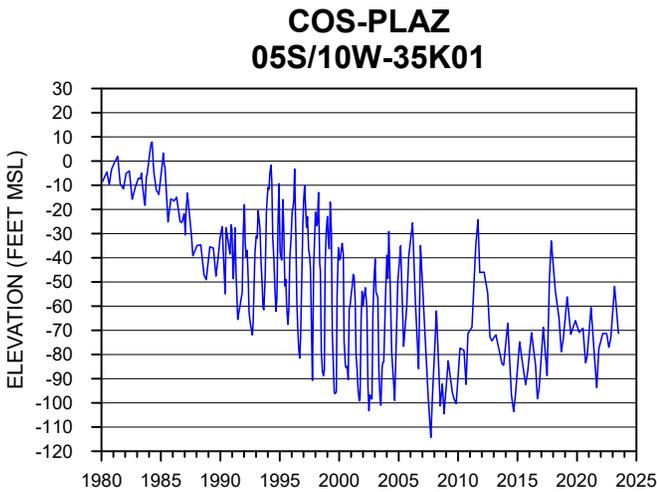
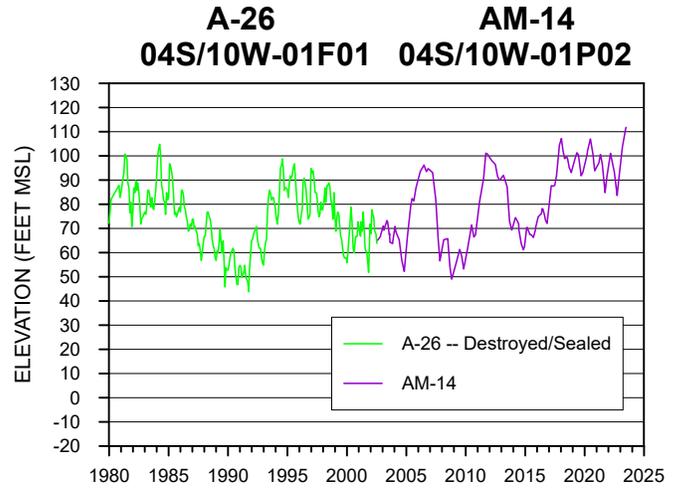
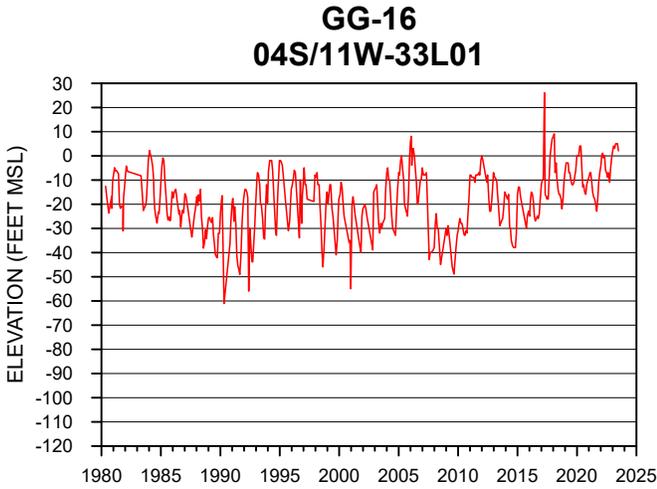


PLATE 3 KEY WELL GROUNDWATER ELEVATION TRENDS IN THE PRINCIPAL AQUIFER

 Measured water level elevations
in feet relative to mean sea level



APPENDIX 1. 2022-23 Water Production Data

Groundwater Producer	Groundwater (AF)				Supplemental Water (AF)			Grand Total (AF)	Actual BPP Non-Irrigation ¹ Only
	Non-Irrigation ¹		Irrigation Pumping	Total	Non-Irrigation Deliveries	Irrigation Deliveries	Total		
	Pumping	In-Lieu ²							
Anaheim, City of ⁶	15,482.1	-	-	15,482.1	36,572.9	-	36,572.9	52,055.0	29.7%
Buena Park, City of ⁶	10,465.3	-	-	10,465.3	1,302.3	-	1,302.3	11,767.6	88.9%
East Orange County Water District	2.5	-	-	2.5	753.9	-	753.9	756.4	0.3%
County of Orange	103.5	-	-	103.5	59.1	-	59.1	162.6	63.7%
Fountain Valley, City of	7,854.8	-	-	7,854.8	-	-	0.0	7,854.8	100.0%
Fullerton, City of	15,469.5	-	-	15,469.5	5,058.1	-	5,058.1	20,527.6	75.4%
Garden Grove, City of ^{3,6}	16,136.2	-	-	16,136.2	3,641.7	-	3,641.7	19,777.9	81.6%
Golden State Water Company ⁶	11,393.7	-	-	11,393.7	8,813.0	-	8,813.0	20,206.7	56.4%
Huntington Beach, City of	16,108.6	-	-	16,108.6	7,257.9	-	7,257.9	23,366.5	68.9%
Irvine Ranch Water District ^{3,4}	43,964.0	-	-	43,964.0	2,212.4	-	2,212.4	46,176.4	95.2%
La Palma, City of	1,610.2	-	-	1,610.2	4.1	-	4.1	1,614.3	99.7%
Mesa Water District ³	14,777.9	-	-	14,777.9	9.8	-	9.8	14,787.7	99.9%
Newport Beach, City of	10,595.9	-	-	10,595.9	2,248.8	-	2,248.8	12,844.7	82.5%
Orange, City of ⁴	18,390.1	-	-	18,390.1	4,374.3	-	4,374.3	22,764.4	80.8%
Orange County Water District ⁵	1,558.0	-	-	1,558.0	-	-	0.0	1,558.0	100.0%
Santa Ana, City of ⁶	22,674.2	-	-	22,674.2	7,894.3	-	7,894.3	30,568.5	74.2%
Seal Beach, City of	2,152.5	-	-	2,152.5	569.9	-	569.9	2,722.4	79.1%
Serrano Water District ⁴	1,803.6	-	-	1,803.6	852.4	-	852.4	2,656.0	67.9%
Tustin, City of ³	5,296.2	-	-	5,296.2	4,279.7	-	4,279.7	9,575.9	55.3%
Westminster, City of ⁶	9,499.7	-	-	9,499.7	218.2	-	218.2	9,717.9	97.8%
Yorba Linda Water District ⁶	14,239.7	-	-	14,239.7	2,318.7	-	2,318.7	16,558.4	86.0%
Total Major Groundwater Producers	239,578.2	0.0	0.0	239,578.2	88,441.5	0.0	88,441.5	328,019.7	73.0%
Other Producers	5096.3	-	535.5	5,631.8	-	-	-	5,631.8	
Total Amount	244,674.5	0.0	535.5	245,210.0	88,441.5	0.0	88,441.5	333,651.5	
Basin Production Percentage Overall									73.3%

¹ Water classed as being used for purposes other than commercial agriculture.

² Imported MWD water purchased for domestic use to offset groundwater pumping.

³ Agencies that participate in a groundwater water quality improvement project.

⁴ Agencies that receive Santiago Creek native water above Villa Park Dam which are conveyed to users within OCWD. Such water, if delivered, is included within the classification of "Supplemental Water"

⁵ Groundwater quantity reported herein is that quantity used by OCWD for purposes other than seawater intrusion barrier maintenance.

⁶ These agencies participated in the MWD Long-Term Groundwater Storage Program for which groundwater was extracted and accounted for as supplemental water.

**APPENDIX 2. 2022-23 Groundwater Production — Non-Irrigation Use
Production Over 25 Acre-feet**

PRODUCER	AF	PRODUCER	AF
Alta Vista Country Club	168.5	Mesa Verde Country Club	280.1
Anaheim Cemetery	43.5	Mesa Water District	14,777.9
Anaheim, City of	15,482.1	Midway City Mutual Water Co.	127.7
Billy Casper Golf	193.0	Mile Square Golf Course	69.0
Buena Park, City of	10,465.3	Newport Beach Golf Course	102.3
Canyon RV Park	65.8	Newport Beach, City of	10,595.9
County of Orange	103.5	Old Ranch Country Club	319.9
DS Services of America, Inc.	158.1	Orange County Water District	1,557.9
Eastlake Village HOA	53.3	Orange, City of	18,390.1
Eastside Water Association	171.0	River View Golf	181.3
Fairhaven Memorial Park	136.5	Santa Ana Cemetery	51.7
Forest Lawn Memorial Park	120.3	Santa Ana Country Club	214.5
Fountain Valley, City of	7,854.8	Santa Ana, City of	22,674.2
Fullerton, City of	15,469.5	Seal Beach, City of	2,152.5
Garden Grove, City of	16,136.2	Serrano Water District	1,803.6
Golden State Water Company	11,393.7	SMCM Water Co.	63.5
Hargis and Associates, Inc.	57.1	The Boeing Company	156.3
Huntington Beach, City of	16,108.6	The Good Shepherd Cemetery	51.6
Hynes Estates, Inc.	71.2	The Lakes Master Association	59.6
Irvine Ranch Water District	43,964.0	Tustin, City of	5,296.2
Knott's Berry Farm	150.8	Westminster Memorial Park	277.5
La Palma, City of	1,610.2	Westminster, City of	9,499.7
Laguna Beach County Water District	450.4	Yorba Linda Country Club	298.9
Lockheed Martin Corp.	27.0	Yorba Linda Water District	14,239.7
Los Alamitos Race Course	161.9		
		Total	243,857.9

**APPENDIX 3. 2022-23 Groundwater Production — Irrigation Use Production
Over 25 Acre-feet**

PRODUCER	AF
OG Citrus Pickers, Inc.	40.7
Orange County Produce	346.9
Treesap Farms, LLC	122.9
Total	510.5

APPENDIX 4. Non - Local Water Purchased by OCWD for Water Years 2003-04 through 2022-23

Water Year	Water Exchange		Talbert Barrier		Forebay Recharge		In-Lieu Program		SARCCUP	SAR Upstream Groundwater Projects		TOTAL
	Western	Alamitos	FV ¹	Mesa WD	Forebay	CUP ²	CUP ²		Water	Arlington	SBVMWD	
	Mun. WD	Barrier	OC32A	OC44B	Recharge	Recharge	In-Lieu	In-Lieu	Bank ³	Desalter		
	Purch.	Purch.	Purch.	Purch.	Purchase	Delivery	Delivery	Purch.	Delivery	Purch.	Purch.	Delivery and Purchase
	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF
2003-04	3,605.0	1,938.3	1,703.3	3,380.6	14,832.0	2,462.7	2,479.6	49,688.8	-	4,087.3	-	84,177.6
2004-05	-	1,914.9	2,451.8	8,368.6	3,810.8	-	15,021.1	54,596.1	-	567.5	-	86,730.8
2005-06	-	833.0 ⁴	1,079.9	5,431.1	7,256.7	-	15,452.9	73,763.1 ⁵	-	-	-	103,816.7
2006-07	1,745.0	534.1 ⁴	143.9	7,394.7	42,173.0	-	14,427.3	36,313.0	-	227.6	-	102,958.6
2007-08	2,882.4	1,505.7 ⁴	-	4,581.4	-	-	-	-	-	1,266.6	-	10,236.1
2008-09	3,663.5	2,094.2 ⁴	-	4,140.3	18,100.0	-	-	-	-	428.2	-	28,426.2
2009-10	-	1,321.9 ⁴	-	176.9	20,535.7	-	-	-	-	106.2	-	22,140.7
2010-11	-	1,689.1 ⁴	-	100.5	11,038.6	16,500.0	-	10,435.4	-	-	-	39,763.6
2011-12	-	1,198.7 ⁴	-	1.9	41,230.8	7,709.6	9,719.9	30,843.6	-	-	-	90,704.5
2012-13	-	1,721.8 ⁴	-	3.7	24,356.1	15,570.8	-	-	-	-	-	41,652.4
2013-14	-	2,370.2 ⁴	-	6.2	50,700.5	-	-	-	-	-	-	53,076.9
2014-15	-	2,236.3 ⁴	-	17.7	48,616.8	-	-	-	-	-	-	60,870.8 ⁶
2015-16	-	2,398.9 ⁴	-	7.0	45,118.0	-	-	-	-	-	-	47,523.9
2016-17	-	1,166.1 ⁴	-	7.8	48,918.1	-	-	-	-	-	-	50,092.0
2017-18	-	912.2 ⁴	-	18.4	66,113.5	-	-	73,108.6	-	-	-	140,152.7
2018-19	-	2,015.2 ⁴	-	20.1	40,344.9	-	-	-	-	-	-	42,380.2
2019-20	-	2,100.0 ⁴	-	2.0	18,098.2	-	-	9,354.7	-	-	-	29,554.9
2020-21	-	2,617.6 ⁴	1.3	15.7	-	-	-	-	2,000.0	-	-	4,634.6
2021-22	-	2,704.0 ⁴	-	14.1	22,982.1	-	-	-	-	-	-	25,700.2
2022-23	-	2,414.0 ⁴	-	3.6	16,865.0	-	-	-	-	-	-	19,282.6
Total	11,895.9	35,686.2	5,380.2	33,692.3	541,090.8	42,243.1	57,100.8	338,052.0	2,000.0	6,683.4	0	1,083,824.7

¹ Includes only imported water and excludes groundwater deliveries from Fountain Valley to OCWD.

² CUP is the multi-agency conjunctive use program (known as the MWD Long-Term Groundwater Storage Program or MWD CUP). Basin losses are excluded.

³ Both EOS and imported water from MWD will be tracked in the SARCCUP water bank.

⁴ Includes both MWD imported deliveries and supplemental recycled water deliveries.

⁵ Includes 16,000 AF of 2005-06 MWD Supplemental Storage Program (i.e., "Super In-Lieu") water that was received as In-Lieu by the groundwater producers.

⁶ Includes purchase of 10,000 AF of stored water from MWD CUP storage account at full-service untreated water rate in water year 2014-15.

APPENDIX 5. 2022-23 Water Resources Summary

	2022-2023 Water Year (AF)	2021-2022 Water Year (AF)	Change from last year to this year
SUMMARY OF BASIN CONDITIONS			
BASIN SUPPLIES			
Water Purchases from MWD (excludes In-Lieu)	16,865	22,982	-6,117
Water into MWD Storage Account (excludes In-Lieu)	0	0	0
SAR & Santiago Creek Flows ¹	313,265	127,168	186,097
GWRS AWPf Water to Forebay Recharge Basins	74,624	60,774	-13,850
GWRS AWPf Water to Mid-Basin Injection	7,516	7,807	-291
GWRS AWPf Water to Talbert Barrier	19,747	23,980	-4,233
Imported Water to Talbert Barrier (OC-44 & Fountain Valley)	25	14	11
Alamitos Barrier	2,414	2,704	-290
Incidental Recharge	23,921	20,449	3,472
Evaporation from Recharge Facilities	-3,449	-2,567	882
SAR Flow Lost to Ocean	-141,373	-16,390	-124,983
Total Groundwater Recharge	313,555	246,921	66,634
WATER PRODUCTION			
Groundwater Production	245,210	256,921	-11,711
MWD Storage Program Extractions	0	0	0
Total Groundwater Production	245,210	256,921	-11,711
BASIN STATUS			
Change in Groundwater Storage	69,000	-10,000	79,000
Change in Groundwater Storage excluding MWD Stored Water	69,000	-10,000	79,000
Accumulated Overdraft (AOD)	189,000	258,000	69,000
AOD without MWD Storage Program Water	189,000	258,000	69,000
IN-LIEU WATER			
OCWD In-Lieu Purchases	0	0	0
MWD In-Lieu Storage	0	0	0
Total In-Lieu	0	0	0
OTHER KEY INFORMATION			
1. Total Dissolved Solids of SAR below Prado Dam (mg/L)	656	646	10
2. Total Nitrogen of SAR below Prado Dam (mg/L)	1	4	-3
3. Total GWRS AWPf Production ²	101,950	92,623	9,327
4. Green Acres Project	3,396	3,827	-431
5. Base Flow of Santa Ana River	67,753	71,141 ³	-3,388
6. Year-end Storage behind Prado Dam	1	0 ³	1
7. Year-end Storage in Recharge Facilities	21,250	10,876 ³	10,374
8. Total Artificial Recharge (percolation plus barriers)	289,632	226,472	63,159
9. Rainfall Measured at OCWD Field Headquarters (inches)	26	7	19
10. Annual Mean Temperature at Santa Ana Fire Station (°F)	65	67	-2

¹ Accounts for storage to/from recharge facilities.

² Total includes deliveries to recharge basins, Talbert Barrier, MBI, Anaheim Canyon Power Plant and ARTIC

³ These values were revised after the publication of 2021-22 Engineer's Report.

APPENDIX 6. Typical Groundwater Extraction Facility Characteristics

PARAMETER	CHARACTERISTICS
Water System Pressure	62 psi
Load (Use) Factor	63%
Design Flow Rate	2,563 gpm
Annual Production	2,600 AF
Bowl Efficiency (minimum)	84%
Motor Horsepower	325 hp
Type Motor	Electric
Well Casing Diameters	16 – 20 inches
Type of Pump	Vertical Turbine
Depth of Well	1,052 feet
Depth of Bowls	278 feet
Total Dynamic Head	325 feet
Estimated Life	30 years
Annual Cost of Facilities ¹	\$325,000

¹ Assuming \$5,000,000 capital cost (including design and construction) with an interest rate of five percent amortized over a 30-year period and excluding the cost for land purchase.

APPENDIX 7. Values Used in Figure 6 For Water Rates for Non-Irrigation Use

Water Year	RA (\$/AF)	Estimated Groundwater Production Cost ^{1,2} (\$/AF)	MWD Treated Interruptible Rate (In-Lieu and Replenishment Water Programs) ^{2,3} (\$/AF)	MWD Treated Uninterruptible Rate (Full Service) ^{2,3} (\$/AF)
1989-90	45	119	136	231
1990-91	48	91	137	232
1991-92	51	100	156	263
1992-93	60	116	206	325
1993-94	67.5	124	257	389
1994-95	88	145	279	416
1995-96	85	140	294	440
1996-97	88	140	303	448
1997-98	91	141	303	455
1998-99	94	143	303	458
1999-00	100	150	303	459
2000-01	107	150	303	459
2001-02	117	162	303	459
2002-03	127	176	299	455
2003-04	149	203	301	460
2004-05	172	229	318	479
2005-06	205	258	337	494
2006-07	223	278	354	510
2007-08	237	296	382	538
2008-09	249	307	420	586
2009-10	249	308	501 ⁴	701
2010-11	249	310	602 ⁴	744
2011-12	254	315	633 ⁴	794
2012-13	266	330	.5	794
2013-14	276	334	.5	890
2014-15	294	349	.5	923
2015-16	322	386	.5	942
2016-17	402	473	.5	979
2017-18	445	513	.5	1,015
2018-19	462	529	.5	1,050
2019-20	487	557	.5	1,078
2020-21	487	555	.5	1,104
2021-22	509	581	.5	1,143
2022-23	544	620	.5	1,209
2023-24	624	720	.5	1,256
2024-25	688 ³	798	.5	1,380 ⁴

¹ Includes RA plus energy cost to produce groundwater.

² Rate is rounded.

³ Rate is proposed.

⁴ Rate is estimated.

⁵ This rate is no longer available because MWD terminated the Replenishment Program.

AGENDA ITEM SUBMITTAL

Meeting Date: February 14, 2024

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: L. Haney

Budgeted: Yes

Budgeted Amount: \$50,000

Cost Estimate: \$30,000

Funding Source: General Fund

Program/Line Item No.: 1044.53001

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

**Subject: AUTHORIZE ON CALL SERVICES AGREEMENT WITH VCS
ENVIRONMENTAL FOR CULTURAL RESOURCES RECORDS
SEARCHES AND TECHNICAL ANALYSIS**

SUMMARY

OCWD can be required to conduct records searches for cultural, historic and paleontological resources in order to comply with the California Environmental Quality Act (CEQA) as well as other state and federal regulations for different projects and programs. VCS Environmental has expertise in conducting these records searches and preparing accompanying memorandums that summarize the findings. Staff recommends approving a new on-call services agreement with VCS Environmental in the amount of \$30,000 to perform these records search services on an as-needed basis.

Attachment: Proposal from VCS Environmental for an on-call agreement to complete cultural resources services.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for February 21 Board meeting: Authorize issuance of an on-call services agreement with VCS Environmental for as-needed cultural resources services for an amount not to exceed \$30,000.

DISCUSSION

OCWD can be required to conduct records searches to determine the potential for impacts related to cultural, historic and paleontological resources. These records searches are routinely performed for all new ground disturbances such as PFAS treatment plant construction, construction of monitoring wells and work efforts related to the implementation of FIRO at Prado Basin. VCS Environmental has demonstrated expertise in conducting these records searches and providing accompanying memorandums that evaluate the results of the records search. The records searches are utilized to comply with CEQA requirements as well as other regulatory requirements.

VCS Environmental has successfully completed cultural, historic and paleontological records searches and analysis for OCWD projects for PFAS treatment systems and other

projects under a previously authorized on-call services agreement. The budget under the previous on-call services agreement has been exhausted. Staff recommends that the Board authorize execution of an on-call services agreement with VCS for an amount not to exceed \$30,000.

PRIOR RELEVANT BOARD ACTIONS:

9/7/2022, R22-9-119: Board authorized approval of an on-call services agreement in the amount of \$30,000 to prepare cultural resources reports and technical data.

AGENDA ITEM SUBMITTAL

Meeting Date: February 14, 2024

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: C. Olsen / R. Bouley

Budgeted: Yes

Budget Amount: \$8,085,000

Cost Estimate: \$8,940,600

Funding Source: CIP

Program/Line Item No.: C19015

General Counsel Approval: Yes

Engineers Report: Completed

CEQA Compliance: MND

**Subject: RATIFY CHANGE ORDERS TO CONTRACT NO. EOCWD-2021-1 AND
AUTHORIZE BUDGET INCREASE**

SUMMARY

Pascal & Ludwig has substantially completed construction of the East Orange County Water District PFAS Treatment Plant, Contract No. EOCWD-2021-1, and is currently commissioning the site in preparation for startup. There are eighteen change orders which were previously processed under the General Managers authority that require ratification. Staff recommends ratifying change orders 1-18 and increasing the project budget by \$855,600.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for February 21 Board meeting:

1. Ratify issuance of Change Order Nos. 1-18, and
2. Increase project budget by \$855,600 for a total project budget of \$8,940,600.

BACKGROUND/ANALYSIS

Construction of the EOCWD PFAS water treatment plant is complete and the system is expected to be ready to send water to distribution in early March. The Contractor has performed additional work to remove oversized rocks and concrete, modify piping and electrical duct banks, improve site grading, and add necessary electrical components along with additional work to manage extensive material availability delays due to the pandemic. Eighteen change orders have been issued to date, as summarized below:

- CCO #1. Additional work to remove a man-made buried concrete foundation located during initial site clearing – Add \$15,789 and 6 Calendar Days.
- CCO #2. Non-compensable time extension due to Pandemic related material supply chain delays – no additional cost. Add 125 Calendar Days.
- CCO #3. Remove oversized rocks and cobbles after initial site grading – Add \$23,416 and 7 Calendar Days.
- CCO #4. Value Engineering changes to improve design and remove unnecessary work – Credit (\$68,611).

- CCO #5. Add conduits and wiring for power service and modify piping and valves at IX and potable water supply lines – Add \$30,506.
- CCO #6. Delete EOCWD Monument Sign and modify piping at chemical building – Credit (\$16,357).
- CCO #7. Non-compensable time extension due to concrete unavailability beyond the Contractor's control – no additional cost. Add 34 Calendar Days.
- CCO #8. Modify IX control panels and site lighting configuration – Add \$23,528 and 6 Calendar Days.
- CCO #9. Modify IX Vessels for flushing/draining and coat chemical building floor for safety – Add \$18,418.
- CCO #10. Relocated fire hydrant at frontage as required by City of Orange and reconfigure IX valve trees to meet design – Add \$33,391 and 61 Calendar Days.
- CCO #11. Reconstruct water line in front of site as required by City of Orange to accommodate IX piping installation and tie-in – Add \$17,229 and 75 Calendar Days.
- CCO #12. Update SCADA devices that were discontinued and add pressure gauges at potable meter that are required but not shown on plans – Add \$7,238.
- CCO #13. Remove oversized rocks and cobbles after onsite trenching and add small fence panels to fill gaps between walls and ends of fence – Add \$30,623.
- CCO #14. Add 8-inch fire service for EOCWD, modify chemical building floor drain, install corrosion test stations and valve supports, and replace pipe backfill within City ROW with slurry per newly modified City of Orange requirements – Add \$74,269 and 70 Calendar Days.
- CCO #15. Non-compensable time extension due to SCE electrical service design revision instigated by SCE – no additional cost. Add 90 Calendar Days.
- CCO #16. Revise pavement grades to assure drainage and modify curb around permeable pavers to accommodate sliding gate track and add decomposed granite to fill gap between City sidewalk and gate track – Add \$15,758.
- CCO #17. Remove oversized rocks and cobbles after offsite trenching in City of Orange ROW – Add \$40,674.
- CCO #18. Add Hydrogen monitoring and audible/visual alarms outside of the chemical building to meet California Fire Code – Add \$11,790.

Change orders 1-18 account for 4.45% of the construction contract. Staff requests ratifying the existing change orders since there will be additional change orders that exceed the General Manager's current signing authority. These additional change orders total approximately \$65,000, and include the following extra work: install concrete bollards and extend concrete aprons at the chemical building; phase installation of concrete flatwork, reconfigure the primary electrical service location, and add Contractor overhead due to SCE revisions and delays; overlay the existing asphalt pavement in front of the site due to revised City Permit requirements; and relocate a site light pole and add a gate operator per EOCWD's request.

There have also been additional costs of construction management by OCWD Staff (\$133,600) and CDM Smith (\$369,559), and the IX Vessel System and IX media costs have increased (\$98,000). EOCWD has also incurred reimbursable costs directly related to the implementation of the PFAS system, including pilot testing to assure dissolved oxygen in their water would not impede IX effectiveness, costs of water used during the pilot testing, and plan review costs incurred by their engineering consultant (\$195,161).

Staff recommends ratifying Change Orders 1 – 18 and increasing the project budget by \$855,600 due to these additional project costs. The proposed project budget is shown in Table 1, below:

Table 1: EOCWD PFAS Treatment Budget Summary

Description	Budget	Proposed Budget
Design and Construction Management		
Design (CDM Smith)	\$481,955	\$481,955
Work Order 1A (Additional Design Services)	\$216,045	\$216,033
<i>Work Order 1B (CM Services)</i>		\$248,382
<i>Work Order 1C (Additional CM Services)</i>		\$72,477
<i>Work Order 1D (Additional CM Services)</i>		\$48,700
Subtotal	\$698,000	\$1,067,547

Construction		
Contract EOCWD-2021-1	\$5,789,640	\$5,789,640
CCOs 1-18		\$257,661
<i>EOCWD Treatment Vessels (Evoqua)</i>	\$809,000	\$856,000
<i>IX Resin (TBD)</i>	\$499,000	\$550,000
Construction Sub-Total	\$7,097,640	\$7,453,301
<i>EOCWD Costs due to PFAS Project</i>	\$0	\$195,161
<i>Permits and Bid Costs</i>	\$0	\$23,600
<i>OCWD Staff Expense</i>	\$0	\$110,000
<i>Project Contingency</i>	\$289,360	\$90,991
Total Project Budget	\$8,085,000	\$8,940,600
<i>EOCWD Contribution (Credit to OCWD)</i>	\$3,000,000	\$2,427,800
Total Cost to OCWD	\$5,085,000	\$6,512,800

PRIOR RELEVANT BOARD ACTION(S)

11/17/21, R21-10-171: Award Contract No EOCWD-2021-1 East Orange County Water District PFAS Water Treatment Plant to Pascal & Ludwig Constructors

8/18/21, R21-8-121: Approval of Engineer’s Report for East Orange County Water District VanderWerff Well Per- and Polyfluoroalkyl Substances Water Treatment Plant Project, and filing of Mitigated Negative Declaration for such project, issuance of Request for Proposal for Ion Exchange Resin Media, and publication of Notice Inviting Bids for such contract.

1/22/20, R20-1-13: Issuance of a Request for Quotes to pre-purchase up to 150 PFAS treatment vessels; Issuance of a Request for Proposals for on-call consultants to prepare PFAS Treatment System designs; Execution of PFAS treatment system professional services agreements for design services with the highest ranked consultants; and Establishment of a project design budget of \$10,000,000.

AGENDA ITEM SUBMITTAL

Meeting Date: February 14, 2024

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: M. Patel/J. Bonsangue

Budgeted: Yes

Budgeted Amount: \$150,000

Cost Estimate: \$150,000

Funding Source: General Fund

Program/ Line Item No. 1050.57036.9908

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

**Subject: CONTRACT NO. TAL-2024-1: TALBERT BARRIER WELL
REDEVELOPMENT - PUBLICATION OF NOTICE INVITING BIDS**

SUMMARY

Technical specifications for fiscal year 2023-24 Talbert Barrier Injection Well Redevelopment services have been prepared. The activities consist of backwashing up to 8 injection wells sites. Rehabilitation activities are necessary to maintain effective injection rates.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for February 21 Board meeting: Authorize publication of Notice Inviting Bids for Contract No. TAL-2024-1, 2023-24 Talbert Barrier Well Redevelopment Project.

BACKGROUND/ANALYSIS

All injection wells require regular rehabilitation to maintain and maximize individual well injection rates. The annual operations budget includes funds to rehabilitate approximately 25% of the legacy injection well system each year. Legacy wells are those injection wells originally constructed with Water Factory 21 and are over 45 years old. These wells are referred to as I-1 through I-23. Although GWRS effluent is of high purity, suspended solids from the stabilization process and the distribution pipeline material accumulate slowly and form a clogging layer at the well bore interface with the aquifer formation with injection rates eventually reduced to less than 30% of their "clean" rate over a period of years. If the clogging material is not removed periodically, the particles will travel further into the formation causing irreparable damage to the well.

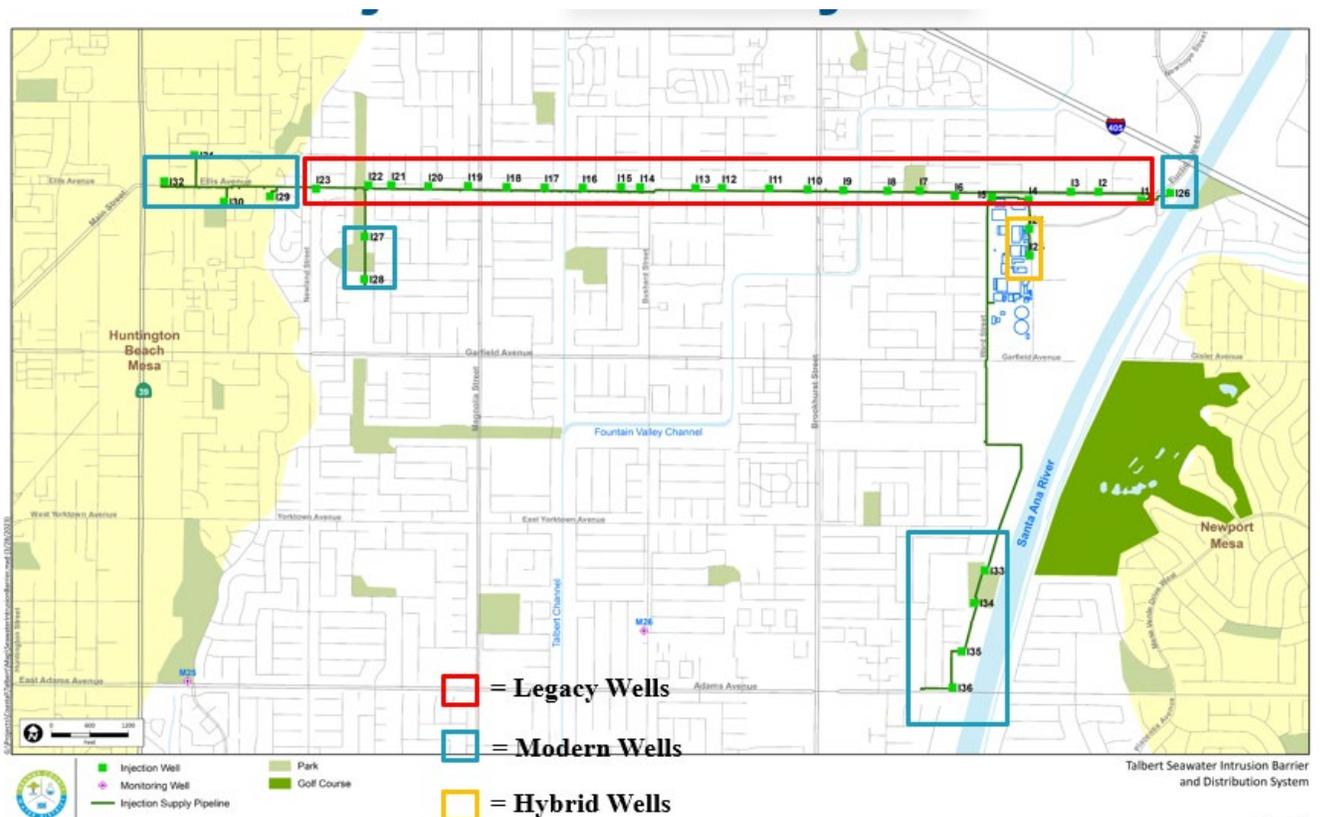
Legacy well rehabilitation typically occurs on a selected number of wells on a yearly basis. However, rehabilitation has not occurred over the past few years due to GWRS Final Expansion and 405 Partners freeway widening project construction. It is now time to resume legacy well rehabilitation work on an ongoing basis to address all well sites on a periodic basis. The legacy well design requires well rehabilitation equipment and significant lane closers with traffic control along Ellis Avenue. This rehabilitation work is contracted to a qualified licensed well contractor that can mobilize equipment and staff for this type of work that can take 2-3 months to complete. Rehabilitation is conducted by air-

lift pumping and high-volume airlift purging to agitate the well bore and disturb, dislodge and remove mineral scale and fine, loose sediment. This fiscal year up to 8 Legacy Well sites are expected to be rehabilitated. Should funding be approved for fiscal year 2024-2025 and the contractor is providing quality craftsmanship, the District may retain the contractor to rehabilitate up to 4 Modern Well casings. The exact well site locations where rehabilitation work will occur will be determined based upon pricing received from qualified contractors.

Modern Wells were completed in 2006 as part of the original Groundwater Replenishment System (GWRS) project and have the capacity to take up to half of the Talbert Barrier injection flow demand. The Modern Wells are known as I-29 through I-36. Since 2008, Modern Wells have been backwashed using District staff and in-house equipment. These backwashes have been effective for the past 15 years; however, a recent decline in well performance indicates that traditional mechanical redevelopment work is required to restore the lost performance.

Based on results of the last rehabilitation, staff estimates that 4 to 5 million gallons per day (mgd) of lost injection capacity will be regained by this new well redevelopment project.

Talbert Sea Water Intrusion Barrier



PRIOR RELEVANT BOARD ACTION(S) N/A

Water Issues Committee meeting held February 14

CITIES OF ANAHEIM AND ORANGE, SERRANO WATER DISTRICT, AND YORBA LINDA WATER DISTRICT PETITIONS FOR EXEMPTION OF PAYMENT OF REPLENISHMENT ASSESSMENT AND BASIN EQUITY ASSESSMENT AND SCHEDULE PUBLIC HEARING

After the February 14 Water Issues Committee meeting, staff received petitions for RA/BEA exemption for well start-up discharges to waste from East Orange County Water District (EOCWD) and the city of Santa Ana (attached). EOCWD's petition is for its two wells (EOCW-E and EOCW-V), and Santa Ana's petition is for its Wells 27, 28, and 38, all of which discharge to Santiago Creek. The well discharge outlets to Santiago Creek are located where the discharged water will recharge into the groundwater basin. Staff considers the pump to waste discharges from these wells to meet the RA/BEA exemption eligibility criteria.

In addition, Yorba Linda Water District (YLWD) requested that three planned future wells be added to its petition. One of YLWD's future wells will be located on the north side of Warner Basin, and the other two are planned to be located at YLWD's main headquarters. Based on these locations and the discharge outlets to Warner Basin or the Santa Ana River, staff believes the start-up discharge water from these wells will recharge into the groundwater basin similarly to YLWD's existing wells and considers it to meet the criteria for eligibility for exemption.

Staff has revised its recommendation below to incorporate these additional petitions.

RECOMMENDATION

Agendize for February 21 Board meeting:

1. Receive and file petitions for exemption from city of Anaheim for Wells 42, 43, 44, 52, and 58; city of Orange for Wells 9, 19 to 25, 27, and future wells 28 and 29; Serrano Water District for Wells 3, 5, and a future well; Yorba Linda Water District for Wells 1, 5, 7, 10, 12, 18 to 22, three future wells; East Orange County Water District for its East (EOCW-E) and Vanderwerff (EOCW-V) wells; and city of Santa Ana for its Wells 27, 28, and 38 from payment of the Replenishment Assessment and Basin Equity Assessment;
2. Receive and file staff report evaluating the petitions from cities of Anaheim, Santa Ana, and Orange, East Orange County Water District, Serrano Water District, and Yorba Linda Water District; and
3. Schedule a Public Hearing on this matter on March 20, 2024, in accordance with Section 38.1 of the OCWD Act.

AGENDA ITEM SUBMITTAL

Meeting Date: February 14, 2024

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Herndon

Budgeted: N/A

Budgeted Amount: N/A

Funding Source: N/A

Program/Line Item No.: N/A

Cost Estimate: N/A

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

Subject: CITIES OF ANAHEIM AND ORANGE, SERRANO WATER DISTRICT, AND YORBA LINDA WATER DISTRICT PETITIONS FOR EXEMPTION OF PAYMENT OF REPLENISHMENT ASSESSMENT AND BASIN EQUITY ASSESSMENT AND SCHEDULE PUBLIC HEARING

SUMMARY

The cities of Anaheim and Orange, Serrano Water District, and Yorba Linda Water District have submitted petitions formally requesting OCWD to exempt and/or provide credit for water “pumped to waste” from payment of the Replenishment Assessment (RA) and Basin Equity Assessment (BEA). The petitions cover water that is discharged to OCWD recharge facilities where it infiltrates into key aquifers of the groundwater basin. Staff has reviewed the petitions and believes the requests pertaining to groundwater discharged from the wells meet the criteria for exemption of the RA and BEA as described in Section 38.1 of the OCWD Act.

Attachments:

- City of Anaheim letter dated October 17, 2023 and email dated January 24, 2024
- City of Orange letter dated November 21, 2023
- Serrano Water District letter dated December 13, 2023
- Yorba Linda Water District letter dated December 13, 2023
- Presentation

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for February 21 Board meeting:

1. Receive and file petitions for exemption from city of Anaheim for Wells 42, 43, 44, 52, and 58; city of Orange for Wells 9, 19 to 25, 27, and future wells 28 and 29; Serrano Water District for Wells 3, 5, and a future well; and Yorba Linda Water District for Wells 1, 5, 7, 10, 12, and 18 to 22 from payment of the Replenishment Assessment and Basin Equity Assessment;
2. Receive and file staff report evaluating the petitions from cities of Anaheim and Orange, Serrano Water District, and Yorba Linda Water District; and

3. Schedule a Public Hearing on this matter on March 20, 2024, in accordance with Section 38.1 of the OCWD Act.

STAFF REPORT

Background

When a groundwater well initially turns on, the stagnant water in the well casing is routinely “pumped to waste” for approximately 10 minutes as a precautionary measure before the water is pumped into the potable distribution system. This is a standard operating procedure for many wells to reduce sediment loading due to the initial surge from pump start-up. It can also reduce the potential for bacteriological detections. The “pumped to waste” water is metered or estimated and typically discharged into a nearby storm drain. The OCWD Act requires that this groundwater is included in the producers’ semi-annual pumping statements to OCWD and that the RA, and BEA if applicable, must be paid.

City of Anaheim wells 42, 43, 44, 52 and 58 are located next to the Anaheim Lake recharge basin. The “pumped to waste” groundwater from these wells is discharged into Anaheim Lake where it infiltrates into the aquifer system. Anaheim has never paid the RA and BEA for this water based on its understanding that this water was exempt; however, Anaheim and OCWD staff have not been able to locate records indicating the necessary documents had been processed allowing for this situation.

In addition to the periodic pumping of its wells to Anaheim Lake, Anaheim has requested consideration for a \$194,728.37 credit for its payment of the RA for 339.7 acre-feet (AF) of groundwater that was used to flush the newly-constructed Linda Vista PFAS treatment system and subsequently discharged to Anaheim Lake from May through November 2023. Although the source of the water used to flush the treatment system was groundwater from one or more Anaheim wells, the question remains as to whether this treatment system water is eligible for an exemption from payment of the RA. Staff addresses this question below following summaries of the petitions from the other groundwater producers.

The City of Orange operates nine existing wells (nos. 9, 19 to 25, and 27) and plans to construct two new wells (28 and 29) that discharge or will discharge to portions of the Santa Ana River or Santiago Creek where OCWD recharges water. The estimated pump-to-waste groundwater discharge volume from these wells is 289 AF per year. Orange’s Well 26 does not discharge to an area used by OCWD for recharge. Orange submitted a letter requesting the Board’s consideration of exempting the groundwater pumped to waste from these wells from payment of the RA and BEA.

Serrano Water District (SWD) operates two wells (nos. 3 and 5) and is considering constructing one future well that discharge or will discharge “pump to waste” groundwater to a storm drain that leads to the portion of Santiago Creek that OCWD uses for recharge. SWD estimates approximately 10 AF per year are pumped to the storm drain. SWD submitted a letter to OCWD requesting Board consideration of exemption of the RA and BEA for groundwater pumped to waste from Wells 3 and 5 and a potential future well that would be constructed nearby.

Yorba Linda Water District (YLWD) operates ten wells (1, 5, 7, 10, 12, and 18 to 22) that discharge to either a portion of the Santa Ana River where OCWD recharges water or to

Conrock or Foster-Huckleberry Basins which are part of OCWD's Warner Basin recharge system. All of YLWD's wells pump to a central treatment system to remove PFAS before distribution to the potable system. YLWD submitted a letter requesting OCWD Board consideration to exempt the groundwater pumped to waste from its wells from payment of the RA and BEA. YLWD also requested that water that is periodically flushed from the PFAS treatment system during servicing and pumped to waste be exempted from the RA and BEA. The estimated volume of water pumped to waste is 115 AF per year.

Analysis

The OCWD Act requires that all groundwater pumped from a "water-producing facility¹," typically a well, be subject to payment of the RA, and BEA if applicable. Only the Board of Directors via a Public Hearing process can waive these assessments after making certain findings. Section 38.1 of the OCWD Act provides language allowing the Board to exempt groundwater from payment of the RA and BEA if the Board finds:

“ . . . that the water produced . . . is unsuitable for domestic or agricultural purposes,

AND

. . . production of such unsuitable water will have no adverse effects on the groundwater supplies of the District . . . ”

Based on information provided by the petitioning agencies, it is staff's understanding that the groundwater pumped to waste from wells during start-up often exceeds turbidity and potentially bacteriological standards making it unsuitable for discharge into the potable system. In addition, it is staff's understanding that the groundwater pumped to waste from the petitioning agencies' wells is discharged to recharge facilities used by OCWD to replenish the groundwater basin such that there is no net reduction to groundwater in the basin. Therefore, staff believes there is adequate information supporting the petitioners' requests that the well discharge water may be exempted from the RA and BEA in accordance with Section 38.1 of the OCWD Act.

As to the requests for RA exemption and/or credit made by petitioners for water discharged from the Linda Vista Reservoir and PFAS treatment systems, these facilities are not water-producing facilities as defined in the OCWD Act. These facilities are *downstream* of the wells and groundwater flow meters where the OCWD Act provisions apply. Because water discharged from these non-[ground]water-producing facilities is not subject to payment of the RA or BEA, there is no provision to exempt such water under the OCWD Act. Staff suggests below an alternative approach to administering necessary PFAS system water discharges.

OCWD staff understands that initial flushing of a PFAS treatment system to achieve stable and acceptable water quality is a normal activity during system construction and commissioning. As such, the cost of the RA for groundwater used for the initial flushing may be considered a reimbursable capital cost under the PFAS Treatment Program

¹The OCWD Act defines "water-producing facility" as "any device or method, mechanical or otherwise, for the production of water from the groundwater supplies within said district."

Agreement between OCWD and participating producers. As the PFAS treatment systems have and will become operational, their normal operation and maintenance may occasionally require the discharge of water to storm drains or other conveyances which may or may not lead to an OCWD's recharge facility. Regardless of the ultimate fate of these discharges, the cost of these necessary water discharges can be included in the producers' annual PFAS O&M costs.

PRIOR RELEVANT BOARD ACTIONS:

4/15/20, R20-4-54 – Approve PFAS treatment facilities and program agreement with groundwater producers.

1/22/20, R20-1-12 – Approve modifications to the PFAS Program Policy.

11/20/19, M19-147 – Approve PFAS program policy to assist groundwater producers with treatment groundwater to remove PFAS (with the BEA exemption policy principle removed).

AGENDA ITEM SUBMITTAL

Meeting Date: February 15, 2024

To: Administration/Finance Issues Cte.
Board of Directors

From: John Kennedy

Staff Contact: R. Fick/D. Swanson

Budgeted: N/A

Budgeted Amount: N/A

Cost Estimate: N/A

Funding Source: N/A

Program/Line-Item No.: N/A

General Counsel Approval: N/A

Engineers Report: N/A

CEQA Compliance: N/A

Subject: **MONTHLY CASH CONTROL REPORTS**

SUMMARY

The following monthly financial information is provided in the staff report.

Attachment(s):

- Summary Cash and Cash Equivalent Control Reports
- Summary of Reserves
- Summary Sources and Disbursements
- Sources of Funds
- Disbursement of Funds

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for February 21 Board meeting: Receive and file Summary Cash and Cash Equivalents Control Reports dated January 31, 2024.

PRIOR RELEVANT BOARD ACTION(S) Monthly

AGENDA ITEM SUBMITTAL

Meeting Date: February 15, 2024

To: Administration/Finance Issues Cte.
Board of Directors

From: John Kennedy

Staff Contact: R. Fick/D. Swanson

Budgeted: N/A

Budgeted Amount: N/A

Cost Estimate: N/A

Funding Source: N/A

Program/Line Item No: N/A

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

Subject: INVESTMENT PORTFOLIO HOLDINGS REPORTS

SUMMARY

The District's monthly Investment Portfolio Holdings Report is provided for Committee review.

Attachment(s): Investment Portfolio Holdings Reports dated January 31, 2024.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for February 21 Board meeting: Receive and file the Investment Portfolio Holdings Reports dated January 31, 2024.

BACKGROUND/ANALYSIS

The Investment Portfolio Holdings Report is a list of each of the District's fixed income investments and provides the market value at the end of each month. All securities within the District's Investment Portfolio are in compliance with the District's Statement of Investment Policy. The District's portfolio maturities provide cash liquidity sufficient to meet the District's projected six-month expenditures (as required by Government Code Section 53646).

Highlights of the current and previous report:

Description	Prior Month	Current Month
SWAP Value (in Citi's favor)	\$5,765,646	\$5,292,479
Required Collateral	None	None
Duration/Maturity	391 Days or 1.07 years	302 Days or 0.83 years
Rate of Return/Yield	3.196%	3.464%

- The yield on the one-year Treasury note as of the month end is at 4.73%; two-year at 4.27% and the five-year at 3.91%. The last Federal Open Market committee (FOMC) meeting was held on January 30-31, 2024. The FOMC kept the Federal fund rates steady at a 22-year high of 5.25% to 5.50%. This is the

rate prime banks lend to each other.

AGENDA ITEM SUBMITTAL

Meeting Date: February 15, 2024

Budgeted: Yes

Budgeted Amount: \$10k FY 23-24
\$30k FY 24-25

To: Administration/Finance Issues Cte
Board of Directors

Cost Estimate: \$40,000

Funding Source: General Fund & R&R

Program/ Line Item No. 1060.57011,
R23008

From: John Kennedy

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

Staff Contact: M. Patel / B. Smith

CEQA Compliance: N/A

**Subject: AMENDMENTS 4 AND 5 TO AGREEMENT 1315 WITH VALLEY
CITIES/GONZALES FENCE, INC., FOR ON-CALL FENCE REPAIRS**

SUMMARY

Valley Cities/Gonzales Fence, Inc., has provided excellent on-call fence repair for the past six years and has agreed to maintain the fence repairs at the same price over the next year. Ratification of this year's agreement extension and authorization of an additional year for the on-call fence repair agreement is recommended.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for February 21 Board meeting:

1. Ratify Amendment No. 4 to Agreement No. 1315 with Valley Cities/Gonzales Fence, Inc., for an amount not to exceed \$25,000, at the same rates, for on-call fence repairs for the period of August 1, 2023, to July 31, 2024; and,
2. Authorize issuance of Amendment No. 5 to Agreement No. 1315 with Valley Cities/Gonzales Fence, Inc. to extend the termination date to June 30, 2025, and increase the not-to-exceed amount by \$40,000.

BACKGROUND/ANALYSIS

Fencing companies provide fence repair and replacement throughout District property. Damaged fences are caused by vandals who cut the fence to enter District property or distracted drivers who destroy the fence with their vehicles. Additionally, some locations require fence replacement because they are dilapidated and do not secure the property properly.

Over the past six years, the Valley Cities/Gonzales Fence company has provided fair estimates for each repair project and has completed the jobs on time with satisfactory work quality. Amendment No. 4 was issued to this company in 2023 in accordance with

Resolution R22-7-95 that included an option to renew for an additional year (August 1, 2023 to July 31, 2024). Staff recommends ratification by the Board of Amendment No. 4.

Additionally, staff recommends issuance of Amendment No. 5 to extend agreement 1315 through June 30, 2025, at the same rates for the on-call fence replacement and repairs with an increase of \$40,000 to agreement 1315 to bring the total amount of the agreement 1315 to a not-to-exceed amount of \$165,000.

The District typically budgets \$25,000 per year for this effort, however the number of repairs and replacements required per year is increasing. In the current fiscal year 2023-2024, it is estimated this expense will total \$35,000, thus requiring an additional allocation of \$10,000 to the agreement from the fiscal year 2023-2024 for unexpected repairs to the GWRS distribution facilities charged to Refurbishment & Replacement (R23008). To plan for increased fence repair efforts in fiscal year 2024-2025, the proposed Recharge Operations budget for fence repairs is being increased to \$30,000.

The term of this agreement and previous amendments have overlapped fiscal year start and end dates, which required allocation of funds from two separate budget years. The term of Amendment No. 5 will align the agreement terms with the District's fiscal year end, thus making budgeting and future amendment term dates simpler.

PRIOR RELEVANT BOARD ACTION(S)

7/22/22, R22-7-95, Authorize issuance of Amendment No. 3 to Agreement No. 1315 to Valley Cities/Gonzales Fence, Inc., for an amount not to exceed \$25,000 per year, at the same rates, for on-call fence repairs for the recharge basins, for a period of one year with the option to renew for an additional year.

7/21/21, R21-7-110, Authorize issuance of Amendment No. 2 to Agreement No. 1315 to Valley Cities/Gonzales Fence, Inc., for an amount not to exceed \$25,000 per year, at the same rates, for on-call fence repairs for the recharge basins, for a period of one year with the option to renew for an additional year.

6/19/19, R19-6-91, Authorize issuance of Amendment No. 1 to Agreement No. 1315 to Valley Cities/Gonzales Fence, Inc., for an amount not to exceed \$25,000 per year, at the same rates, for on-call fence repairs for the recharge basins, for a period of two years with the option to renew for two years.

6/20/18, R18-6-64, Authorize issuance of an Agreement to Valley Cities/Gonzales Fence, Inc., for an amount not to exceed \$25,000 for on-call fence repairs for the recharge basins, for a period of one year with the option to renew for two years.

AGENDA ITEM SUBMITTAL

Meeting Date: February 15, 2024

Budgeted: N/A

To: Administration/Finance Issues Cte.
Board of Directors

Budgeted Amount: N/A

Cost Estimate: N/A

From: John Kennedy

Funding Source: N/A

Program/Line-Item No.: N/A

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

Staff Contact: R. Fick /M. Ochoa

CEQA Compliance: N/A

Subject: BUDGET TO ACTUAL REPORT FOR THE SECOND QUARTER FY 2023–24

SUMMARY

Attached is a copy of the Budget to Actual Report for the second quarter year-to-date fiscal year 2023-24. General Fund operations expenditures are \$765,000 less than the revised annual budget. Debt Service expenditures are \$2.3 million under budget. Replacement & Refurbishments are \$1.6 million less than the revised budget and Water Purchases are \$1.2 million less than the revised budget.

Attachment(s):

- Attachment A – Operating Costs Budget to Actual
- Attachment B – Cost Center Budget to Actual Summary
- Attachment C – Cost Center Budget to Actual Details
- Attachment D – Operating Revenues Budget to Actual
- Presentation

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for February 21 Board meeting: Receive and file the Budget to Actual Report for the Second Quarter of Fiscal Year 2023-24 ending December 31, 2023.

BACKGROUND/ANALYSIS

Attachment A provides an overall summary of the District's various operating costs for the first quarter to date. Attachment B provides a budget to actual summary of the 21 cost centers that comprise the general fund and attachment C provides the details of these 21 cost centers. The district's revenue performance is summarized in attachment D.

General Fund

Total General Fund costs are \$765,000 lower than budget due to lower than planned expenses in the Hydrogeology and Natural Resources departments. Individually the Water Production department has the greatest budget exceedance to date due to higher electrical cost. Specific details on the expense categories that make up this variance can be found in

the footnotes to the reports in attachments B and C.

Replacement & Refurbishment

Replacement & Refurbishment are \$1.6 million lower than planned, primarily to the Santiago pump station repair project expected to begin in early 2024.

Water Purchases

Water purchases are \$1.2 million less than budget due to elevated basin levels requiring less injection in the Alamosa Barrier to maintain protective levels to prevent seawater intrusion.

Revenues

Replenishment Assessment revenue was more than planned in the first half of the year. The six month budget for groundwater pumping is 140,131 acre-feet of water - actual pumping was approximately 147,720 acre-feet, or 5% more than planned.

PRIOR RELEVANT BOARD ACTION(S): Quarterly

AGENDA ITEM SUBMITTAL

Meeting Date: February 21, 2024

To: Board of Directors

From: John Kennedy

Staff Contact: L. Haney

Budgeted: N/A

Budgeted Amount: N/A

Cost Estimate: N/A

Funding Source: N/A

Program/Line Item No. N/A

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

Subject: UPDATE ON FIRO AT PRADO DAM, SUBSEASONAL TO SEASONAL (S2S) FORECASTING AND ATMOSPHERIC RIVER RECONNAISSANCE (AR RECON)

SUMMARY

Forecast Informed Reservoir Operations (FIRO) shows promise of increasing the amount of storm water capture at Prado Dam for groundwater recharge. The District has been working on a multi-phase program to apply FIRO at Prado Dam and recently completed the Final Viability Assessment (FVA) in November 2023. Dr. Marty Ralph of the Center for Western Weather and Water Extremes (CW3E) at the Scripps Institution of Oceanography will update the Board on Prado Dam FIRO efforts and other FIRO studies, Subseasonal to Seasonal (S2S) forecasting research, and atmospheric river reconnaissance (AR Recon).

RECOMMENDATION

Informational

BACKGROUND/ANALYSIS

FIRO represents the next generation of operating water reservoirs using the best available technology. Moreover, given the importance of atmospheric river (AR) storms on water supplies in California, FIRO represents a methodology to take advantage of our increasing understanding of AR storms which are infrequent but provide a large percentage of total precipitation.

Dr. Marty Ralph, director of the Center for Western Weather and Water Extremes (CW3E) at the Scripps Institution of Oceanography, is at the forefront of AR research and FIRO implementation. The District is one of several ongoing FIRO efforts in the western United States. Dr. Ralph will provide an update on FIRO activities, Subseasonal to Seasonal (S2S) forecasting research, and AR reconnaissance (AR Recon).

Forecast-Informed Reservoir Operations (FIRO)

FIRO holds promise to allow the US Army Corps of Engineers (USACE) to capture more stormwater in a manner that does not negatively impact flood risk management capabilities and other dam priorities. The first FIRO pilot project was undertaken at Lake Mendocino. FIRO at Prado Dam is the second FIRO pilot project. Other FIRO projects are underway on the Yuba-Feather River system in northern California and at Howard Hansen Dam Washington.

Stormwater represents a significant source of water used by OCWD to recharge the groundwater basin. Over the last 20 years, OCWD has captured and recharged an average of 58,000 acre-feet per year (afy) of stormwater with a maximum of 85,000 af in 2005, which was a very wet year in the Santa Ana Watershed. Much of this recharge is made possible by the capture of stormwater in the Prado Dam Conservation Pool.

Prado Dam is owned and operated by USACE. OCWD continues to work closely with USACE to manage the Conservation Pool and to increase the amount of water that can be temporarily impounded in the Conservation Pool. Currently, the Conservation Pool can rise to elevation 505 feet mean sea level (ft msl) (approx. 20,000 acre-feet of storage).

To study the potential of increased stormwater capture, the Board approved a Scoping Study of FIRO at Prado Dam with the Scripps Institution of Oceanography in 2017. Since then, several phases of the FIRO study have been completed as shown on Table 1.

Table 1: Phases of FIRO Study and Schedule

Phase	Activity	Schedule
I	Scoping Study, Develop FIRO Viability Assessment Work Plan Outline, preliminary technical studies	Completed 2018
II	Complete FIRO Viability Assessment Work Plan, continue technical studies	Completed 2019
III	Prepare Preliminary FIRO Viability Assessment Report	Completed 2021
IV	Prepare Final FIRO Viability Assessment Report	Completed 2023
IV/V	Conduct Minor Deviation to Elevation 508 ft msl	Est. 2024-29
V	FIRO incorporated into Prado Dam Water Control Manual as permanent feature.	Est. 2028*

*Phase IV/V schedule dependent on hydrology and completion of the Santa Ana River Mainstem Project.

Phase III of the Study was completed in 2021 with a key finding that FIRO is a viable tool to increase storm water capture without compromising flood risk management. The estimated increased storm water capture ranged from 3,400 afy for a maximum Water Conservation Pool elevation of 508 ft msl to 7,000 afy for a maximum Water Conservation Pool elevation of 512 ft msl.

Prado Dam FIRO Phase IV and Minor Deviation Request

Phase IV involves building on the PVA to complete the Final FIRO Viability Assessment (FVA). Work on the FVA started in Summer 2021 and was completed in November 2023 and is posted on OCWD's website ([Prado FIRO Final Viability Assessment](#)). The scope of Phase IV includes the development of decision support tools during a proposed Minor Deviation to increase the maximum Water Conservation Pool to elevation to 508 ft msl for a five-year period. A five-year period was selected due to the infrequent nature of large precipitation events to achieve water storage to elevation 508 ft msl, which has approximately 25,370 acre-feet of storage. OCWD and USACE staff are working closely to get the Minor Deviation in place in 2024.

Prado Dam FIRO Phase V

The ultimate objectives of Prado Dam FIRO is to codify FIRO in the USACE's Prado Dam Water Control Manual (WCM). The WCM describes the rules the USACE follows in operating Prado Dam. Efforts are underway with the USACE, Sonoma Water, OCWD, DWR, and Yuba Water Agency to develop flexible language describing the application of FIRO in the WCM's of Lake Mendocino, Prado Dam, Lake Oroville, and New Bullards Bar Reservoir.

USACE is working to complete WCM Update No. 1 that addresses expanded Prado Dam release rates and the new spillway. This is anticipated to be completed in July 2026. FIRO is not anticipated to be incorporated into the Prado Dam WCM until after the WCM update regarding dam release rates and the new spillway is completed. With the FVA completed in 2023 there will be a period of time when FIRO will be tested with the Minor Deviation. During this period, work will continue to develop tools to apply FIRO at Prado Dam, develop a program to understand and monitor impacts to habitat, and to develop appropriate language describing FIRO for the final Prado Dam WCM update. Phase V work is intended to bridge the gap between the FVA and the final Prado Dam WCM update.

Subseasonal to Seasonal (S2S) Forecasting

Subseasonal to seasonal (S2S) forecasts differ from conventional weather forecasts as they extend significantly further into the future. Subseasonal forecasts extend to about six weeks out, which is a useful time period for considering reservoir operations scenarios. Seasonal forecasts can cover months to an entire wet season and are especially helpful for making a wide range of resource allocation decisions and informing drought preparedness activities. However, the present ability to predict precipitation through S2S is limited, reflecting the need for more investment in forecasting research.

S2S is a priority area for the National Oceanic and Atmospheric Administration (NOAA) and the US Congress due to its ability to address emerging forecast needs in various economic sectors. This is reflected in two primary goals identified by NOAA and in the Weather Research and Forecasting Innovation Act of 2017. The S2S program works to:

- Improve the skill of S2S forecasts

- Enhance the value of S2S products for stakeholders.

NOAA, the California Department of Water Resources (DWR) and others are funding S2S research. Dr. Ralph will provide an overview of some of the key activities being conducted to support S2S research.

Atmospheric River Reconnaissance (AR Recon)

Atmospheric River Reconnaissance (AR Recon) campaigns support improved prediction of landfalling ARs on the U.S. west coast. ARs are a type of storm that is key to the region's precipitation, flooding, and water supply. The concept for AR Recon was first recommended in a CW3E report to the Western States Water Council that was prepared by a broad cross-disciplinary group in 2013. The number of AR Recon missions has steadily increased from three in 2016 to 39 in 2023.

AR Recon is a collaborative effort led by CW3E involving several partners in the U.S. and abroad, with experts on midlatitude atmospheric dynamics, ARs, airborne reconnaissance, and numerical modeling. In addition to CW3E at UC San Diego's Scripps Institution of Oceanography, involved organizations include NOAA, the Air Force 53rd Weather Reconnaissance Squadron, Plymouth State University, SUNY Albany, Northern Illinois University, and others. Researchers from the universities and centers participate in the forecasting, flight planning, and modeling experiments. Analysis of the impact of the data is ongoing, including the development of specialized assimilation methods.

Aircraft that are normally used in the summer and early fall for hurricane reconnaissance are deployed over the northeast Pacific to collect observations to support improved AR forecasts in the late fall and winter. The data are assimilated by global modeling centers in real-time. These aircraft include Air Force 53rd Weather Reconnaissance Squadron's WC-130J Hurricane Hunter aircraft and NOAA's Gulfstream IV (G-IV).

PRIOR RELEVANT BOARD ACTION(S)

3/15/23, R23-3-32 - Authorize amending agreement with UC San Diego/Scripps Institution of Oceanography by adding an amount not to exceed \$265,000 to complete Phase V of Study on Forecast-Informed Reservoir Operations at Prado Dam.

6/15/22, R22-6-78 - Authorize amending agreement with UC San Diego/Scripps Institution of Oceanography by adding an amount not to exceed \$265,000 to complete Phase IV of Study on Forecast-Informed Reservoir Operations at Prado Dam.

2/17/21, R21-2-27 - Authorize amending agreement with UC San Diego/Scripps Institution of Oceanography by adding an amount not to exceed \$291,000 for Phase IV of Study on Forecast-Informed Reservoir Operations at Prado Dam and Authorize reimbursing three independent reviewers at a cost of \$5,000 each for independent review of the Prado FIRO Preliminary Viability Assessment for a total amount not to exceed \$15,000.

1/22/20, R20-1-9 - Authorize amending agreement with UC San Diego/Scripps Institution of Oceanography by adding an amount not to exceed \$291,000 for Phase III of Study on Forecast-Informed Reservoir Operations at Prado Dam.

10/17/18, R18-10-146 - Approve Phase II FIRO Scoping Study with Scripps Institution of Oceanography; Authorize amending agreement with Scripps Institution of Oceanography by adding an amount not to exceed \$325,000 for Phase II

06-21-2017, R17-6-90 - Authorize execution of an agreement for Phase I of a Scoping Study on Forecast-Informed Reservoir Operations (FIRO) at Prado Dam with UC San Diego/Scripps Institution of Oceanography for an amount not to exceed \$250,000; and, Authorize the District's Membership and Participation in the Subseasonal-to-Seasonal Precipitation Coalition, which is at no cost to the District.

WATER RESOURCES SUMMARY

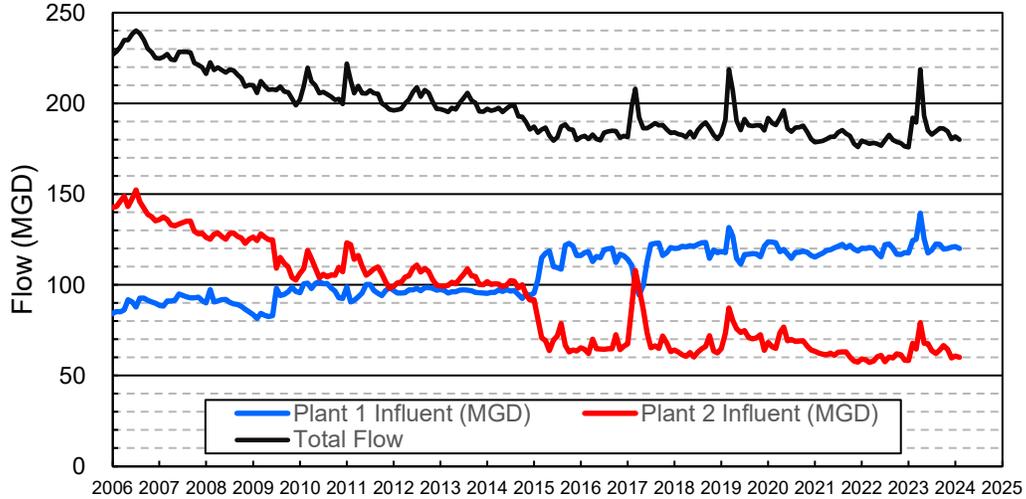
January 2024

INFLOWS & OUTFLOWS (acre-feet)	Total for Month	Year to Date - This Year Last Year	
BASIN SUPPLIES			
Water Purchases from MWD (excludes In Lieu)	7	7	16,864
Water into MWD Storage Account (excludes In Lieu)	0	0	0
SAR & Santiago Creek Flows (accounts for storage to/from recharge facilities)	15,740	91,741	95,157
GWRS Water to Forebay	8,861	54,913	42,368
GWRS Water to Mid-Basin Injection Wells	546	4,312	4,526
GWRS Water to Talbert Barrier	1,329	11,370	13,265
OC-44 and F. Valley Water to Talbert Barrier	0	7	18
Alamitos Barrier Water	190	1,249	1,638
Incidental Recharge (estimated)	3,000	11,700	14,400
Evaporation from Recharge Basins	(214)	(2,239)	(1,542)
River Flow Lost to Ocean	<u>(703)</u>	<u>(1,373)</u>	<u>(30,998)</u>
Total Groundwater Recharge	28,757	171,686	155,696
WATER PRODUCTION			
Groundwater Production	19,221	166,942	144,055
MWD Storage Program Withdrawals	<u>0</u>	<u>0</u>	<u>0</u>
Total Groundwater Production	19,221	166,942	144,055
BASIN BALANCE			
Change in Groundwater Storage	9,537	4,744	11,640
Change in Groundwater Storage excluding MWD Stored Water	9,537	4,744	11,640
Accumulated Overdraft	-----	184,258	246,362
Accumulated Overdraft excluding MWD Storage	-----	184,258	246,362
IN LIEU WATER			
OCWD In Lieu Purchases (MWD Cyclic Storage)	0	0	0
MWD In Lieu Storage	<u>0</u>	<u>0</u>	<u>0</u>
Total In Lieu	0	0	0
OTHER KEY INFORMATION			
1. MWD Water Deliveries to Producers	3,412	39,132	63,145
2. Basin Production Percentage	84.9%	81.0%	69.5%
3. Total Water Demand	24,336	218,838	219,580
4. Total GWRS Production	10,741	70,632	60,204
5. Green Acres Project Water	133	2,026	2,251
6. SAR Water Quality			
- Total Dissolved Solids (TDS) of SAR below Prado Dam (ppm)	668	-----	322
- Total Nitrogen of SAR below Prado Dam (ppm)	5.3	-----	1.8
7. Month-End Water Storage Behind Prado Dam	738	-----	14,709
8. Month-End Water Storage in Recharge Facilities	19,444	-----	22,787
9. Water Storage Change in Recharge Facilities	4,927	(1,806)	11,911
10. Total Artificial Recharge	25,757	159,986	141,296
11. Monthly Mean Temperature at Santa Ana Fire Station (°F)	58.8	-----	56.7
12. Rainfall at FHQ (inches)	2.16	6.26	13.03

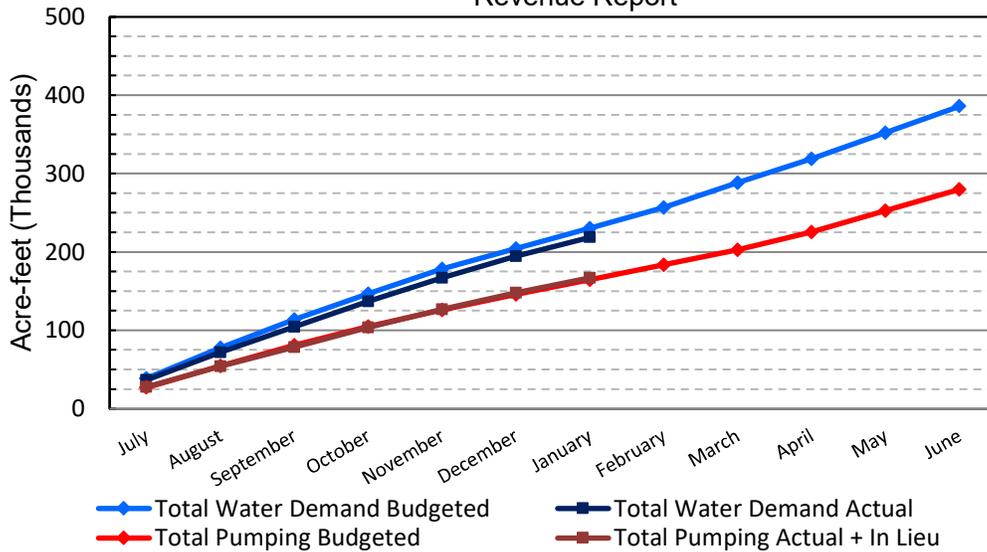
*** Note: Data are preliminary, subject to change

2/15/2024

Orange County Sanitation District Influent Flows Report

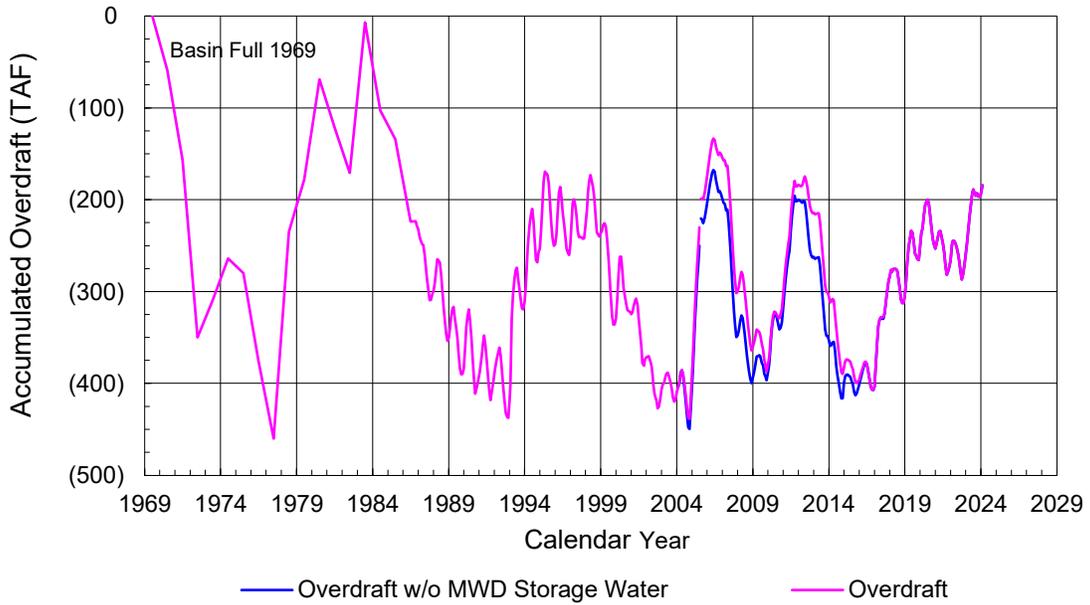


2023-24 Water Demands/Groundwater Pumping + In Lieu/RA Revenue Report

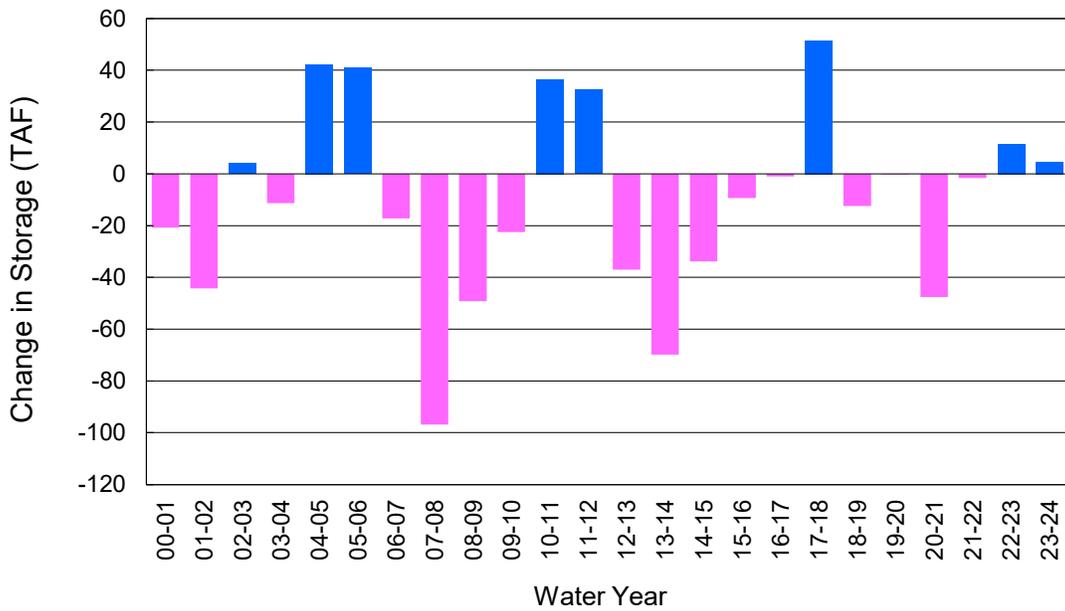


	Monthly		Accumulated Total for the Year			
	Budget	Actual	Budget	Actual	Difference	Percent
Total Water Demand	25,800	24,336	230,200	218,838	-11,362	95.06%
Total Pumping + In Lieu	18,600	19,221	164,400	166,942	2,542	101.55%
RA Revenue	\$8,593,200	\$8,879,889	\$75,952,800	\$77,127,329	\$1,174,529	101.55%

Accumulated Overdraft



YTD Change in Groundwater Storage in OCWD



PRODUCERS WATER USAGE SUMMARY

January 2024

(AF except BPP)

WATER AGENCY	Ground-water (1)	In Lieu	Reclaimed Water	Total Import (2)	Total Demand	2023-24 YTD Demand	2022-23 YTD Demand	YTD % Diff Demand	JAN 2024 BPP	2023-24 YTD BPP	2022-23 YTD BPP
Anaheim	2,557	0	0	1,130	3,688	32,136	32,786	98%	69.4%	51.8%	25.6%
Buena Park	768	0	0	1	769	7,314	7,400	99%	99.9%	91.2%	84.7%
East Orange County	0	0	0	38	38	483	471	102%	0.8%	0.4%	0.3%
Fountain Valley	548	0	25	0	573	5,673	5,479	104%	100.0%	100.0%	100.0%
Fullerton	818	0	0	228	1,046	12,508	13,022	96%	78.2%	75.5%	76.3%
Garden Grove	1,494	0	0	0	1,494	12,690	12,214	104%	100.0%	100.0%	70.3%
Golden State	994	0	0	403	1,398	12,808	12,527	102%	71.1%	62.1%	57.8%
West OC System	709	-	-	177	886	7,836	7,636	103%	na	na	na
East OC System	285	-	-	226	511	4,971	4,890	102%	na	na	na
Huntington Beach	1,393	0	0	196	1,589	14,398	14,553	99%	87.7%	84.6%	59.8%
Irvine Ranch	3,236	0	1,658	0	4,893	38,194	36,962	103%	100.0%	99.8%	99.6%
DRWF Clear	1,877	-	-	-	1,877	17,448	16,059	109%	na	na	na
DRWF Color	708	-	-	-	708	4,952	4,962	100%	na	na	na
Laguna Beach	0	0	0	208	208	1,854	1,883	na	0.0%	0.0%	17.8%
La Palma	110	0	0	0	110	1,006	1,000	101%	100.0%	100.0%	99.6%
Mesa Water (MW)	1,017	0	12	0	1,029	9,585	9,597	100%	100.0%	100.0%	99.9%
MW Clear	640	-	-	-	640	7,855	6,893	114%	na	na	na
MW Amber	377	-	-	-	377	1,262	2,205	57%	na	na	na
Newport Beach	611	0	2	195	808	7,809	8,186	95%	75.8%	82.6%	81.0%
Orange	1,484	0	0	25	1,509	14,403	14,378	100%	98.4%	87.0%	75.0%
OCWD (GAP)	109	0	0	0	109	1,032	844	122%	100.0%	100.0%	100.0%
Santa Ana	1,404	0	6	819	2,228	18,737	18,727	100%	63.2%	84.4%	66.1%
Seal Beach	203	0	0	1	204	1,803	1,730	104%	99.5%	99.7%	65.8%
Serrano	22	0	0	104	126	1,504	1,759	86%	17.7%	44.4%	68.6%
Tustin	592	0	0	44	636	6,078	6,004	101%	93.0%	69.9%	50.4%
Westminster	718	0	0	0	718	5,978	5,973	100%	100.0%	100.0%	96.3%
Yorba Linda	<u>914</u>	<u>0</u>	<u>0</u>	<u>15</u>	<u>930</u>	<u>10,821</u>	<u>10,568</u>	<u>102%</u>	<u>98.4%</u>	<u>84.8%</u>	<u>82.5%</u>
SUBTOTAL:	18,993	0	1,703	3,408	24,104	216,815	216,061	100%	84.9%	81.0%	69.5%
Other Producers (Est ~3% of Subtotal)	<u>227</u>	<u>0</u>	<u>0</u>	<u>4</u>	<u>232</u>	<u>2,023</u>	<u>3,518</u>	<u>57%</u>			
TOTAL:	19,221	0	1,703	3,412	24,336	218,838	219,580		84.9%	81.0%	69.5%
OCWD (Talbert Barrier)	0		1,329	0	1,329	11,377	13,283				
OCSA (GAP)	na		88	na	88	619	639				

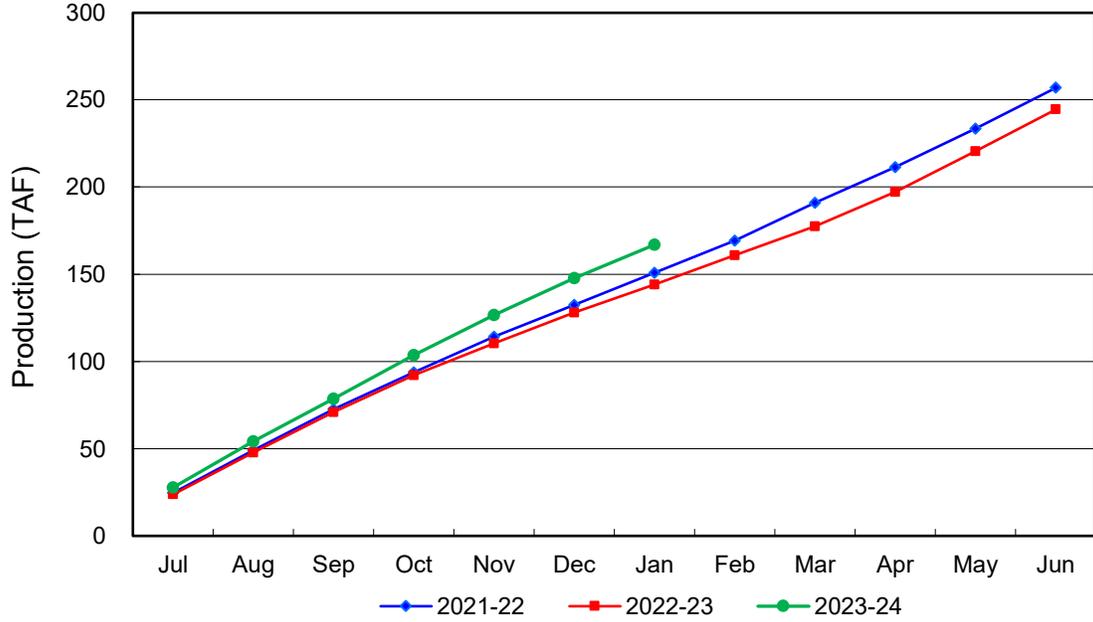
Estimated

(1) Excludes MWD CUP Withdrawals

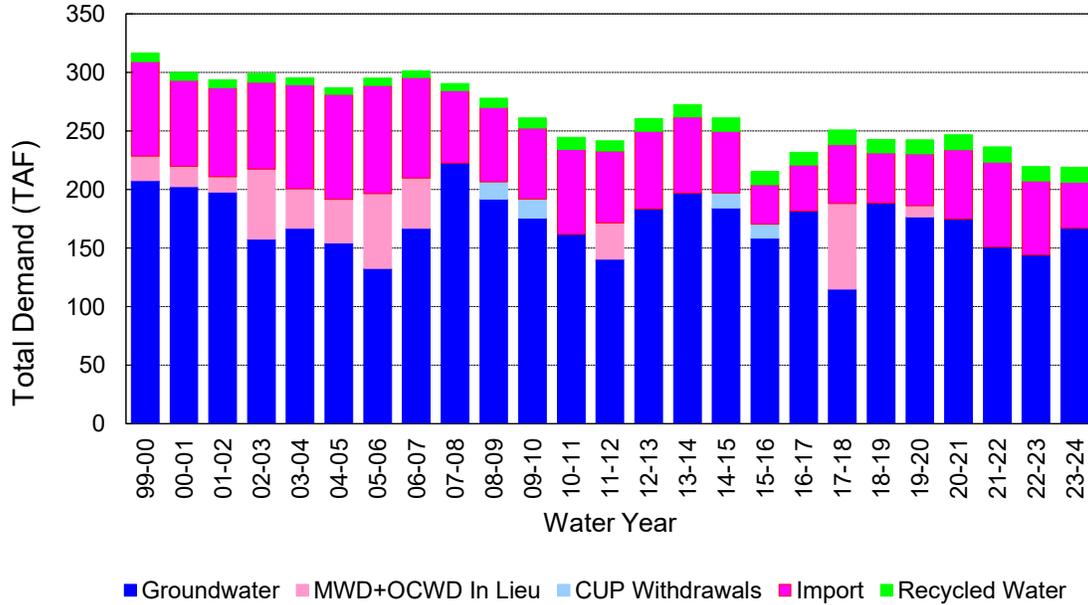
(2) Includes MWD CUP Withdrawals & In Lieu Water

2/15/2024 11:43

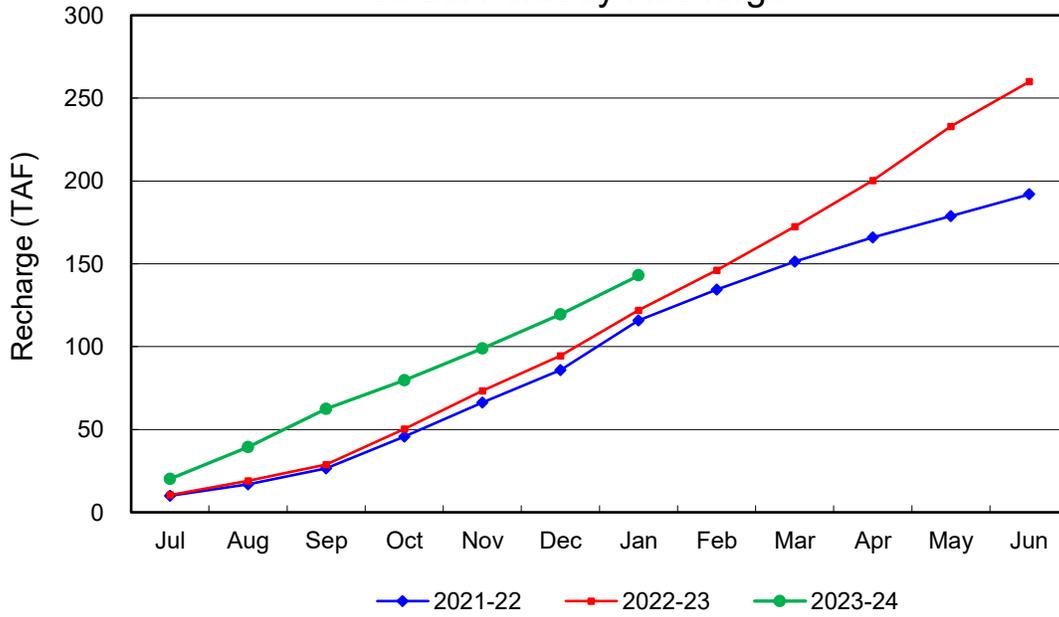
Annual Groundwater Production



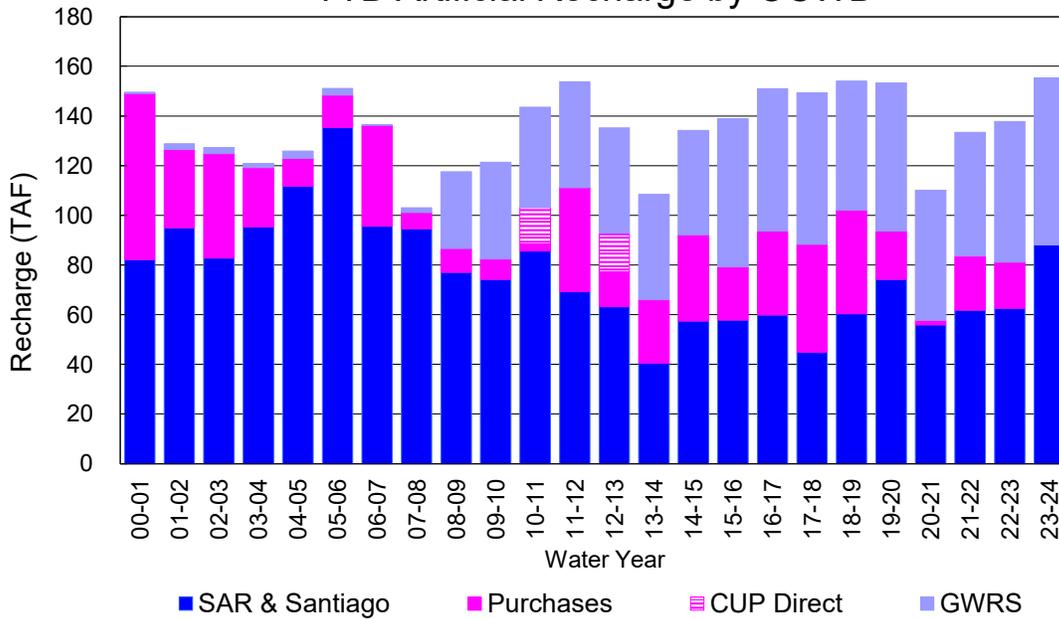
YTD Total Demand in OCWD



Annual Forebay Recharge



YTD Artificial Recharge by OCWD



RECHARGE AREAS REPORT

January 2024

	Percolation (AF)	Remarks
RIVER SYSTEM	5,134	83 cfs per day average perc
DESILTING SYSTEM	na	SAR
OFF-RIVER SYSTEM	1,677	SAR
WARNER SYSTEM	874	SAR
OLIVE BASIN	na	Passive System
ANAHEIM LAKE	1,270	SAR, Import Water
MINI-ANA LAKE	102	
MILLER BASIN	1,368	SAR
KRAEMER BASIN	647	
LA PALMA BASIN	5,425	GWRS
MIRALOMA BASIN	2,869	GWRS
LA JOLLA BASIN	421	SAR
PLACENTIA BASIN	na	
RAYMOND BASIN	na	
FIVE COVES BASIN	na	SAR
BURRIS BASIN	998	SAR
RIVER VIEW BASIN	134	SAR, Burris Pumping
FLETCHER BASIN	43	Local Runoff
SANTIAGO BASINS	2,494	SAR, Burris Pumping, Local Runoff
SANTIAGO CREEK	241	SAR, Burris Pumping, Local Runoff
TOTALS	23,697	
5-YR AVERAGE	26,265	

FLOWS TO RECHARGE AREAS (AF)	
Imperial Headgates (estimated)	19,184
GWRS	8,866
OC-28 (MWD)	7
OC-28a (MWD)	0
OC-59	0
Est'd local Forebay inflow below Imperial	807
Est'd local Santiago inflow (estimated)	516
Irvine lake releases (OC-13 MWD)	0
Villa Park Dam releases (estimated)	0
Precip at Warner Basin (inches)	2.16
Precip direct to open water surfaces	161
TOTAL INFLOW	29,541

LOSSES FROM RECHARGE AREAS (AF)	
Est'd SAR flow past Chapman Ave.	659
Est'd Santiago Cr. flow to SAR	44
Est'd flows past Raymond Basin	0
Calc'd evap (inches) Estimated	2.87
Est'd evaporative losses	214
TOTAL LOSSES	917

STORAGE CHANGES (AF)			
Facility	Begin	End	Net
Deep basins	6,413	8,630	2,217
Santiago Pits	8,104	10,814	2,710
River			
Off-river			
Irvine Lake			
TOTAL	14,517	19,444	4,927

SUMMARY (AF)	
TOTAL INFLOW	29,541
TOTAL LOSSES	917
STORAGE CHANGE	4,927
CALC'D PERCOLATION	23,697

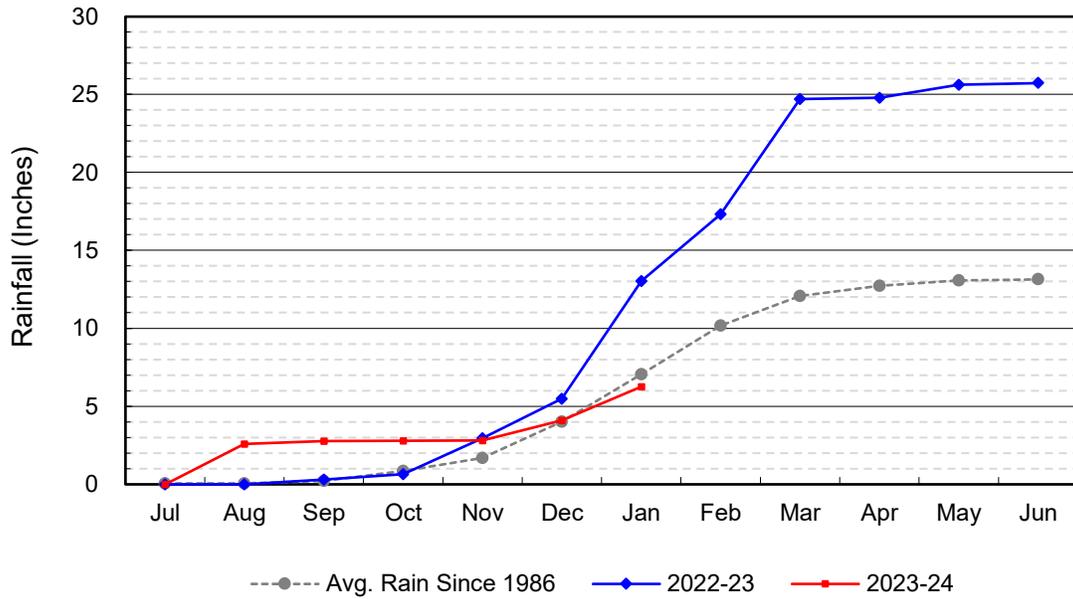
DEEP BASINS MONTHLY STATUS

January 2024

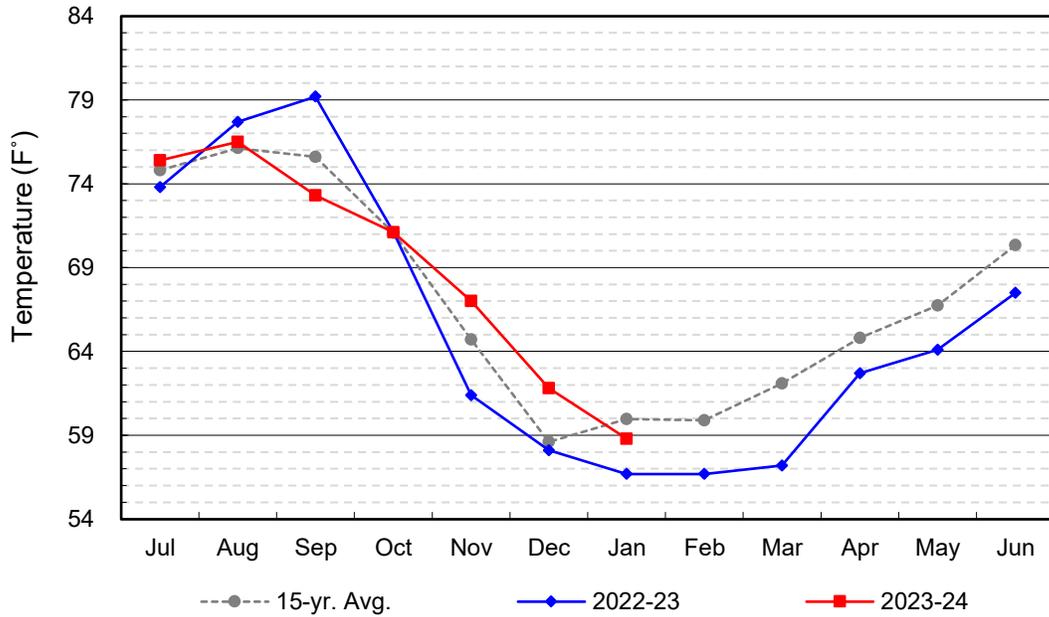
(values in acre-feet)

<i>Facility</i>	<i>Storage Start</i>	<i>Storage End</i>	<i>Maximum Storage</i>	<i>Total Perc</i>	<i>Max Perc</i>	<i>Avg Perc</i>	<i>Avg W.S. Elev</i>
Desilting Ponds	230	230	252	na	na	na	na
Fos-Huckleberry	531	562	628	na	na	na	na
Conrock Basin	579	603	661	na	na	na	na
Warner Basins	2,885	2,915	2,900	884	na	na	238
Olive Pit	48	45	95	na	na	na	210
Anaheim Lake	306	1,112	2,300	1,284	106	41	188
Mini-Anaheim Lk	0	6	10	103	14	3	221
Miller Basin	115	213	350	1,383	65	45	207
Kraemer Basin	0	368	1,055	647	76	21	174
La Palma Basin	68	94	101	5,425	188	175	218
Miraloma Basin	43	43	53	2,869	102	93	220
La Jolla Basin	0	0	20	426	27	14	201
Placentia Basin	0	0	200	na	na	na	na
Raymond Basin	0	0	200	na	na	na	na
Five Coves Basins	283	249	329	na	na	na	na
Burris Pit	1,308	2,180	2,500	1,009	71	33	162
River View Basin	6	2	8	135	13	4	187
Fletcher Basin	11	8	15	43	5	1	188
Santiago (Bond)	5,474	7,012	8,312	2,522	147	81	256
Santiago (Blu Dia)	2,630	3,802	5,259	-	-	-	-
Totals	14,517	19,444	25,247	16,730			
Prado Dam	20	738	20,000				

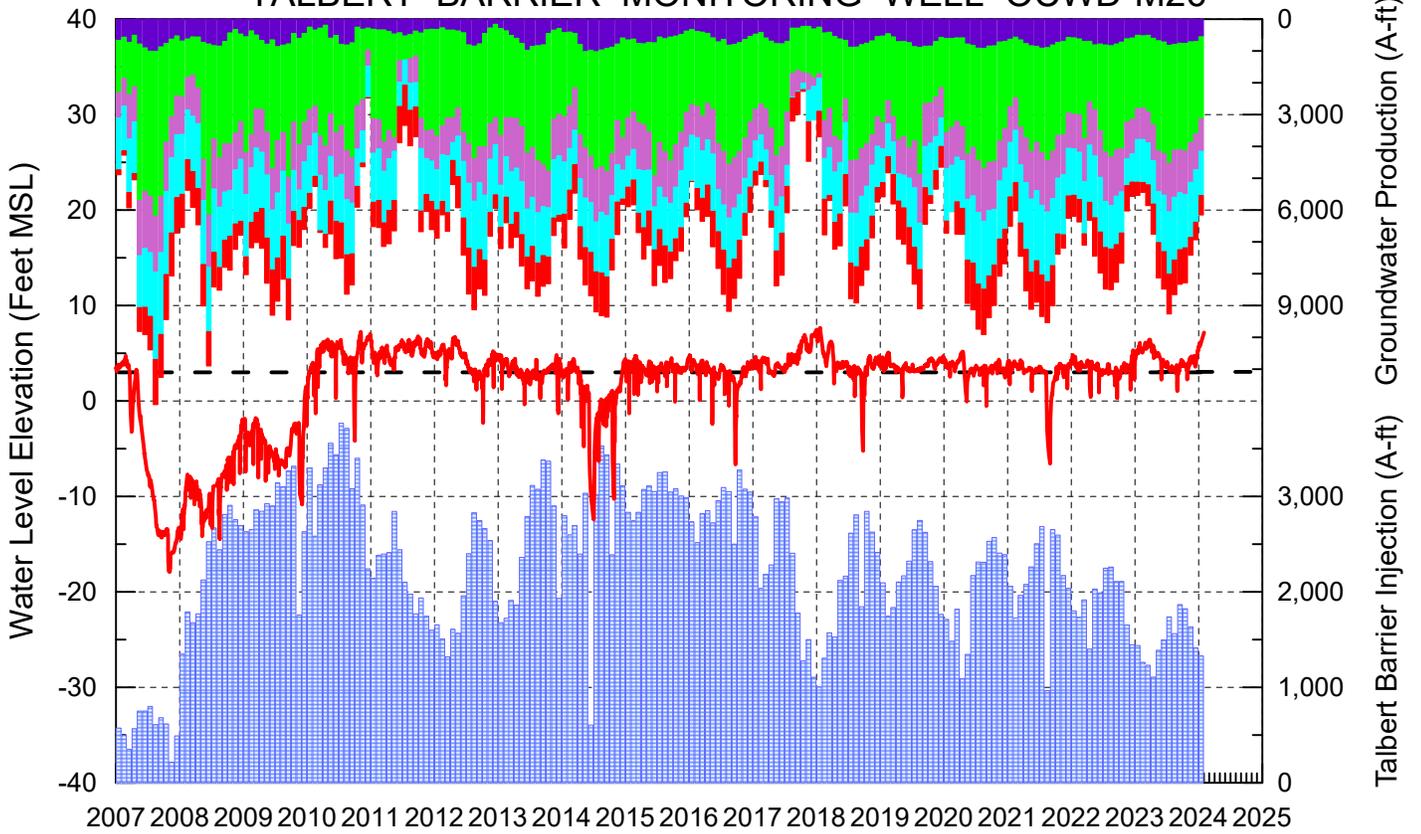
Cumulative Anaheim Field HQ Rainfall



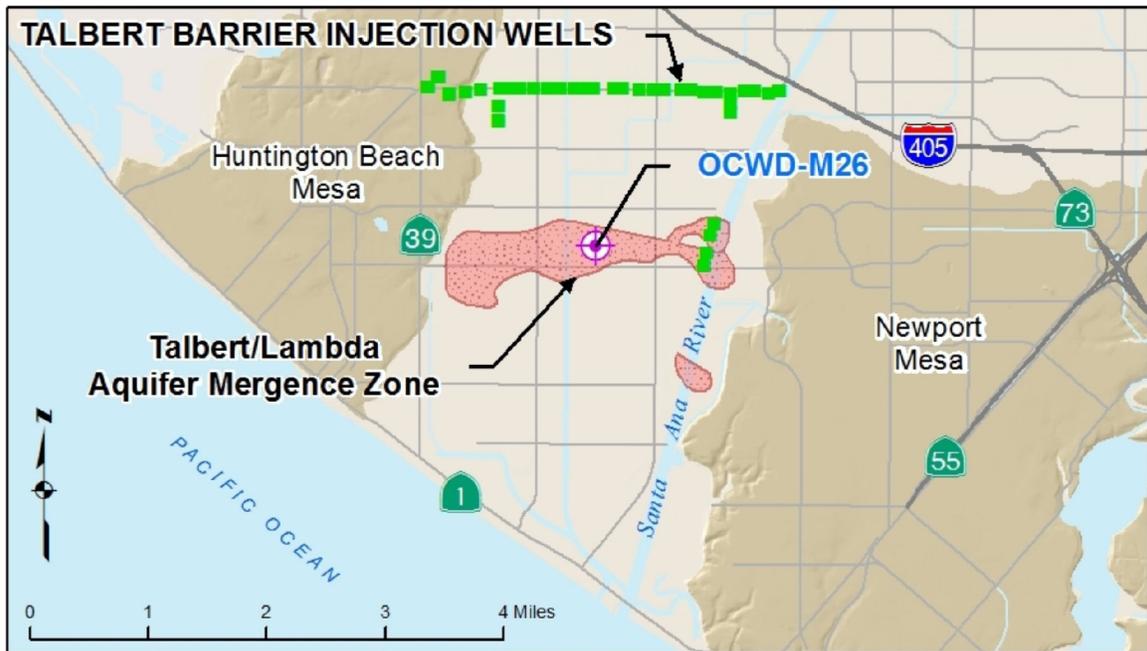
Temperature at Santa Ana Fire Station



TALBERT BARRIER MONITORING WELL OCWD-M26



- Talbert/Lambda Aquifer Mergence Zone
Perforated Interval: 71 - 135 ft. bgs
- ▨ Talbert Barrier Injection
- ▨ Fountain Valley Groundwater Production
- ▨ IRWD Groundwater Production
- ▨ Mesa Water Groundwater Production
- ▨ Huntington Beach Groundwater Production
- ▨ Newport Beach Groundwater Production
- - - Protective Level to Prevent Seawater Intrusion





SAWPA

SANTA ANA WATERSHED PROJECT AUTHORITY

11615 Sterling Avenue, Riverside, California 92503 • (951) 354-4220

Meeting Access Via Computer (Zoom):	Meeting Access Via Telephone:
<ul style="list-style-type: none">• https://sawpa.zoom.us/j/87631507308	<ul style="list-style-type: none">• 1 (669) 900-6833
<ul style="list-style-type: none">• Meeting ID: 876 3150 7308	<ul style="list-style-type: none">• Meeting ID: 876 3150 7308

This meeting will be conducted in person at the address listed above. As a convenience to the public, members of the public may also participate virtually using one of the options set forth above. Any member of the public may listen to the meeting or make comments to the Commission using the call-in number or Zoom link above. However, in the event there is a disruption of service which prevents the Authority from broadcasting the meeting to members of the public, the meeting will not be postponed or rescheduled but will continue without remote participation. The remote participation option is provided as a convenience to the public and is not required. Members of the public are welcome to attend the meeting in-person.

REGULAR COMMISSION MEETING TUESDAY, FEBRUARY 20, 2024 – 9:30 A.M.

AGENDA

1. **CALL TO ORDER/PLEDGE OF ALLEGIANCE** (Bruce Whitaker, Chair)

2. **ROLL CALL**

3. **PUBLIC COMMENTS**

Members of the public may address the Commission on items within the jurisdiction of the Commission; however, no action may be taken on an item not appearing on the agenda unless the action is otherwise authorized by Government Code §54954.2(b).

Members of the public may make comments in-person or electronically for the Commissions' consideration by sending them to publiccomment@sawpa.gov with the subject line "Public Comment". Submit your electronic comments by 5:00 p.m. on Monday, February 19, 2024. All public comments will be provided to the Chair and may be read into the record or compiled as part of the record. Individuals have a limit of three (3) minutes to make comments and will have the opportunity when called upon by the Commission.

4. **ITEMS TO BE ADDED OR DELETED**

Pursuant to Government Code §54954.2(b), items may be added on which there is a need to take immediate action and the need for action came to the attention of the SAWPA Commission subsequent to the posting of the agenda.

5. **CONSENT CALENDAR**

All matters listed on the Consent Calendar are considered routine and non-controversial and will be acted upon by the Commission by one motion as listed below.

A. **APPROVAL OF MEETING MINUTES: FEBRUARY 6, 2024**

Recommendation: Approve as posted.

B. **MICROSOFT DYNAMICS GREAT PLAINS SUPPORT, MAINTENANCE, AND FINANCIAL SYSTEM REPLACEMENT STUDY REQUEST FOR PROPOSALS (CM#2024.7)**

Presenter: Dean Unger

Recommendation: Direct the General Manager to issue a Request for Proposal (RFP) for Microsoft Dynamics Great Plains Support, Maintenance, and a Financial System Replacement Study.

6. NEW BUSINESS

A. IRRIGATION REPLACEMENT AND LANDSCAPE REFRESH AWARD (CM#2024.8)

Presenter: David Ruhl

Recommendation: That the Commission

1. Authorize the General Manager to award a contract for public works construction to the lowest responsive, responsible bidder, FS Contractors, Inc., for the Irrigation Replacement and Landscape Refresh Project (Project), in an amount not to exceed \$189,734.75; and
2. Approve \$240,000 from the Building Reserve Fund for construction and inspection support for the Project.

B. SANTA ANA RIVER WATERSHED WEATHER MODIFICATION PILOT PROGRAM UPDATE (CM#2024.9)

Presenter: Rachel Gray

Recommendation: Receive and file.

7. INFORMATIONAL REPORTS

Recommendation: Receive for information.

A. CASH TRANSACTIONS REPORT – DECEMBER 2023

Presenter: Karen Williams

B. INTER-FUND BORROWING – DECEMBER 2023 (CM#2024.10)

Presenter: Karen Williams

C. PERFORMANCE INDICATORS/FINANCIAL REPORTING – DECEMBER 2023 (CM#2024.11)

Presenter: Karen Williams

D. GENERAL MANAGER REPORT

Presenter: Jeff Mosher

E. STATE LEGISLATIVE REPORT

Presenter: Jeff Mosher

F. CHAIR'S COMMENTS/REPORT

G. COMMISSIONERS' COMMENTS

H. COMMISSIONERS' REQUEST FOR FUTURE AGENDA ITEMS

8. CLOSED SESSION

There were no Closed Session items anticipated at the time of the posting of this agenda.

9. ADJOURNMENT

PLEASE NOTE:

Americans with Disabilities Act: If you require any special disability related accommodations to participate in this meeting, call (951) 354-4220 or email svilla@sawpa.gov. 48-hour notification prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility for this meeting. Requests should specify the nature of the disability and the type of accommodation requested.

Materials related to an item on this agenda submitted to the Commission after distribution of the agenda packet are available for public inspection during normal business hours at the SAWPA office, 11615 Sterling Avenue, Riverside, and available at www.sawpa.gov, subject to staff's ability to post documents prior to the meeting.

Declaration of Posting

I, Sara Villa, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on February 15, 2024, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.gov and posted at SAWPA's office at 11615 Sterling Avenue, Riverside, California.

2024 SAWPA Commission Meetings/Events

First and Third Tuesday of the Month

(NOTE: All meetings begin at 9:30 a.m., unless otherwise noticed, and are held at SAWPA.)

January		February	
1/2/24	Commission Workshop [cancelled]	2/6/24	Commission Workshop
1/16/24	Regular Commission Meeting	2/20/24	Regular Commission Meeting
March		April	
3/5/24	Commission Workshop	4/2/24	Commission Workshop
3/19/24	Regular Commission Meeting	4/16/24	Regular Commission Meeting
May		June	
5/7/24	Commission Workshop	6/4/24	Commission Workshop
5/21/24	Regular Commission Meeting	6/18/24	Regular Commission Meeting
5/7 – 5/9/24	ACWA Spring Conference, Sacramento, CA		
July		August	
7/2/24	Commission Workshop	8/6/24	Commission Workshop
7/16/24	Regular Commission Meeting	8/20/24	Regular Commission Meeting
September		October	
9/3/24	Commission Workshop	10/1/24	Commission Workshop
9/17/24	Regular Commission Meeting	10/15/24	Regular Commission Meeting
November		December	
11/5/24	Commission Workshop	12/3/24	Commission Workshop
11/19/24	Regular Commission Meeting	12/17/24	Regular Commission Meeting
		12/3 – 12/5/24	ACWA Fall Conference, Palm Springs, CA

ACTION AGENDA
COMMUNICATIONS AND LEGISLATIVE LIAISON COMMITTEE MEETING
February 8, 2024 12:00 p.m.- Conference Room C-2

ROLL CALL Denis Bilodeau Van Tran Roger Yoh (absent) Bruce Whitaker Steve Sheldon <u>Alternates</u> Valerie Amezcua Natalie Meeks (absent) Dina Nguyen Eric Weigand Cathy Green	Quorum of Cte: Yes Quorum of Board: Yes
CONSENT CALENDAR (ITEMS NO. 1)	
1. MINUTES OF COMMUNICATIONS AND LEGISLATIVE LIAISON COMMITTEE MEETING HELD JANUARY 4, 2024 RECOMMENDATION: Approve minutes as presented	Approved
MATTERS FOR CONSIDERATION	
2. STATE LEGISLATIVE UPDATE RECOMMENDATION: Agendize for February 21 Board meeting: Take action as appropriate	Informational
3. FEDERAL LEGISLATIVE UPDATE RECOMMENDATION: Agendize for February 21 Board meeting: Take action as appropriate	Informational
INFORMATIONAL ITEMS	
4. CHILDREN'S WATER EDUCATION FESTIVAL UPDATE	Informational
5. PUBLIC AFFAIRS OUTREACH REPORT (JANUARY)	Informational
CHAIR DIRECTION AS TO WHICH ITEMS IF ANY TO BE AGENDIZED AS A MATTER FOR CONSIDERATION AT THE FEBRUARY 21 BOARD MEETING	All items on consent
ADJOURNMENT	12:59 p.m.

ACTION AGENDA
WATER ISSUES COMMITTEE MEETING
ORANGE COUNTY WATER DISTRICT
Wednesday, February 12, 2024 12:00 p.m., Boardroom

<p>ROLL CALL Bruce Whitaker Dina Nguyen Arrived 12:06 p.m. Roger Yoh Van Tran Eric Weigand</p> <p><u>Alternates</u> Denis Bilodeau Steve Sheldon Natalie Meeks (absent) Valerie Amezcua Cathy Green</p>	<p>Quorum of Cte: Yes Quorum of Board: Yes</p>
<p>CONSENT CALENDAR (ITEMS NO. 1 – 4)</p>	
<p>1. MINUTES OF WATER ISSUES COMMITTEE MEETING HELD JANUARY 10, 2024</p> <p>RECOMMENDATION: Approve minutes as presented</p>	<p>Approved</p>
<p>2. AUTHORIZE ON CALL SERVICES AGREEMENT WITH VCS ENVIRONMENTAL FOR CULTURAL RESOURCES RECORDS SEARCHES AND TECHNICAL ANALYSIS</p> <p>RECOMMENDATION: Agendize for February 21 Board Meeting: Authorize issuance of an on-call services agreement with VCS Environmental for as-needed cultural resources services for an amount not to exceed \$30,000</p>	<p>Approved</p>
<p>3. RATIFY CHANGE ORDERS TO CONTRACT NO. EOCWD-2021-1 AND AUTHORIZE BUDGET INCREASE</p> <p>RECOMMENDATION: Agendize for February 21 Board meeting:</p> <ol style="list-style-type: none"> 1) Ratify issuance of Change Order Nos. 1-18, and 2) Increase project budget by \$855,600 for a total project budget of \$8,940,600 	<p>Approved</p>
<p>4. CONTRACT NO. TAL-2024-1: TALBERT BARRIER WELL REDEVELOPMENT – PUBLICATION OF NOTICE INVITING BIDS</p> <p>RECOMMENDATION: Agendize for February 21 Board meeting: Authorize publication of Notice Inviting Bids for Contract No. TAL-2024-1, 2023-24 Talbert Barrier Well Redevelopment Project</p>	<p>Approved</p>
<p>END OF CONSENT CALENDAR</p>	
<p>MATTERS FOR CONSIDERATION</p>	
<p>5. CITIES OF ANAHEIM AND ORANGE, SERRANO WATER DISTRICT, AND YORBA LINDA WATER DISTRICT PETITIONS FOR EXEMPTION OF PAYMENT OF REPLENISHMENT ASSESSMENT AND BASIN EQUITY ASSESSMENT AND SCHEDULE PUBLIC HEARING</p> <p>RECOMMENDATION: Agendize for February 21 Board meeting:</p> <ol style="list-style-type: none"> 1) Receive and file petitions for exemption from city of Anaheim for Wells 42, 43, 44, 52, and 58; city of Orange 	<p>Approved</p>

<p>for Wells 9, 19 to 25, 27, and future wells 28 and 29; Serrano Water District for Wells 3, 5, and a future well; and Yorba Linda Water District for Wells 1, 5, 7, 10, 12, and 18 to 22 from payment of the Replenishment Assessment and Basin Equity Assessment;</p> <p>2) Receive and file staff report evaluating the petitions from cities of Anaheim and Orange, Serrano Water District, and Yorba Linda Water District; and</p> <p>3) Schedule a Public Hearing on this matter on March 20, 2024, in accordance with Section 38.1 of the OCWD Act.</p>	
<p>CHAIR DIRECTION AS TO ITEMS IF ANY TO BE AGENDIZED AS MATTERS FOR CONSIDERATION AT THE FEBRUARY 21 BOARD MEETING</p>	<p>All items on consent</p>
<p>ADJOURNMENT</p>	<p>12:23 p.m.</p>

ACTION AGENDA
 ADMINISTRATION/FINANCE ISSUES COMMITTEE MEETING
 Thursday, February 15, 2024, 12:00 p.m.

<p>ROLL CALL Roger Yoh Dina Nguyen (absent) Valerie Amezcua Natalie Meeks (absent) Bruce Whitaker Alternates Erik Weigand Denis Bilodeau (absent) Steve Sheldon (absent) Van Tran Cathy Green</p>	<p>Quorum of Cte: Yes Quorum of Board: Yes</p>
<p>CONSENT CALENDAR (ITEMS NO. 1 – 4)</p>	
<p>1. MINUTES OF ADMINISTRATION/FINANCE ISSUES COMMITTEE MEETING HELD JANUARY 11, 2024 RECOMMENDATION: Approve minutes as presented</p>	<p>Approved</p>
<p>2. MONTHLY CASH CONTROL REPORT RECOMMENDATION: Agendize for February 21 Board meeting: Receive and file Summary Cash and Cash Equivalents Control Reports dated January 31, 2024</p>	<p>Approved</p>
<p>3. INVESTMENT PORTFOLIO HOLDINGS REPORTS RECOMMENDATION: Agendize for February 21 Board meeting: Receive and file the Investment Portfolio Holdings Reports dated January 31, 2024</p>	<p>Approved</p>
<p>4. AMENDMENT 4 AND 5 TO AGREEMENT 1315 WITH VALLEY CITIES/GONZALES FENCE, INC., FOR ON-CALL FENCE REPAIRS RECOMMENDATION: Agendize for February 21 Board meeting: 1) Ratify Amendment No. 4 to Agreement No. 1315 with Valley Cities/Gonzales Fence, Inc., for an amount not to exceed \$25,000, at the same rates, for on-call fence repairs for the period of August 1, 2023, to July 31, 2024; and, 2) Authorize issuance of Amendment No. 5 to Agreement No. 1315 with Valley Cities/Gonzales Fence, Inc. to extend the termination date to June 30, 2025, and increase the not-to-exceed amount by \$40,000</p>	<p>Approved</p>
<p>END OF CONSENT CALENDAR</p>	
<p>MATTERS FOR CONSIDERATION</p>	
<p>5. BUDGET TO ACTUAL SECOND QUARTER 2023-24 RECOMMENDATION: Agendize for February 21 Board meeting: Receive and file the Budget to Actual Report for the Second Quarter of Fiscal Year 2023-24 ending December 31, 2023</p>	<p>Approved</p>
<p>INFORMATIONAL ITEMS</p>	
<p>6. MONTHLY CASH DISBURSEMENT REPORT</p>	<p>Informational</p>
<p>CHAIR DIRECTION AS TO WHICH ITEMS IF ANY TO BE AGENDIZED AS MATTERS FOR CONSIDERATION AT NOVEMBER 15 BOARD MEETING</p>	<p>All items on consent</p>
<p>ADJOURNMENT</p>	<p>12:14 p.m.</p>

