



AGENDA

18700 Ward St.
Fountain Valley, CA 92708
(714) 378-3200

REGULAR MEETING BOARD OF DIRECTORS ORANGE COUNTY WATER DISTRICT Wednesday, March 19, 2025 – 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 Site:

10382 Bonnie Drive, Garden Grove

20 Civic Center, Santa Ana

303 W. Commonwealth Ave., Fullerton

* Members of the public may attend and participate at all 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.

1. PUBLIC HEARING ON 2023-24 ENGINEER'S REPORT ON GROUNDWATER CONDITIONS, WATER SUPPLY AND BASIN UTILIZATION

RECOMMENDATION: Receive public hearing comments and file Engineer's Report

CONSENT CALENDAR (ITEMS NO. 2 – 27)

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.

2. APPROVAL OF CASH DISBURSEMENTS

RECOMMENDATION: Ratify/authorize payment of bills

3. MINUTES OF BOARD OF DIRECTORS MEETING HELD FEBRUARY 19 AND MARCH 5, 2025

RECOMMENDATION: Approve as presented

ITEM RECOMMENDED FOR APPROVAL AT PROPERTY MANAGEMENT COMMITTEE MEETING HELD FEBRUARY 28 (ITEM NO. 4)

4. EXECUTION OF REINSTATEMENT AND FIRST AMENDMENT TO GRANT OF EASEMENT FOR MONITORING WELL TIC-67

RECOMMENDATION: Authorize the General Manager to execute the Reinstatement and First Amendment to the Grant of Easement with The Irvine Company, at no cost, with automatic annual renewals, for continued access to monitoring well TIC-67

ITEMS RECOMMENDED FOR APPROVAL AT COMMUNICATIONS AND LEGISLATIVE COMMITTEE MEETING HELD MARCH 6 (ITEMS NO. 5–7)

5. STATE LEGISLATIVE UPDATE

RECOMMENDATION: Take the following positions:

Bill Number/Author	Short Title	Recommendation
SB 72 (Caballero, D-Merced)	The California Water Plan: long-term supply targets 'California Water for All'	Support
Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Related Bills:		
AB 794 (Gabriel, D-Encino)	California Safe Drinking Water Act: emergency regulations	Watch
SB 454 (McNerney, D-Stockton) ACWA Sponsored Bill	SB 454 State Water Resources Control Board: PFAS Mitigation Program	Support

6. FEDERAL LEGISLATIVE UPDATE

RECOMMENDATION: Take the following positions:

Bill Number/Authors	Short Title	Recommended Position
H.R. 1267 Marie Gluesenkamp Perez (D-WA) & Celeste Maloy (R-UT)	Water Systems PFAS Liability Protection Act	Support
S. 322 Alex Padilla (D-CA)	Improve Atmospheric River Forecasts Act	Support

7. ORANGE COUNTY WATER DISTRICT STATE AND FEDERAL LEGISLATIVE GOALS & STRATEGY/ LEGISLATIVE PLATFORM

RECOMMENDATION: Approve the OCWD 2025 State and Federal Legislative Goals

**ITEMS RECOMMENDED FOR APPROVAL AT WATER ISSUES COMMITTEE MEETING
HELD MARCH 12 (ITEMS NO. 8–18)**

8. REQUEST FOR PROPOSALS: 2025 ASPHALT PAVEMENT REHABILITATION DESIGN

RECOMMENDATION: Authorize issuance of a Request for Proposals for the 2025 Asphalt Pavement Rehabilitation Design

9. EMERGENCY REPAIR WORK ORDER RATIFICATIONS

RECOMMENDATION: 1) Ratify Work Order No. 7 of Agreement No. 1451 and payment to W.A. Rasic, Inc. for emergency repairs totaling \$29,258; and
2) Ratify Work Order No. 10 of Agreement No. 1451 and payment to W.A. Rasic, Inc. for emergency repairs totaling \$25,563

10. CONTRACT SB-2025-1, BOND BASIN SLOPE REPAIR PROJECT: REQUEST FOR PROPOSALS FOR CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES

RECOMMENDATION: Authorize issuance of RFP for Construction Management and Inspection Services for Contract No. SB-2025-1, Bond Basin Slope Repair Project

11. CITY OF ANAHEIM WELLS 39 AND 47 PFAS TREATMENT SYSTEMS PROJECT: ENGINEER'S REPORT AND CATEGORICAL EXEMPTION

RECOMMENDATION: 1) Approve the Engineer's Report for the City of Anaheim Wells 39 and 47 PFAS Treatment Systems Project and determine the project feasible, necessary and beneficial to the lands of the District; and
2) Authorize filing of a Categorical Exemption for the City of Anaheim Wells 39 and 47 PFAS Treatment Systems Project in compliance with the California Environmental Quality Act (CEQA) guidelines

12. CITY OF ANAHEIM WELLS 48 AND 53 PFAS TREATMENT SYSTEMS PROJECT: ENGINEER'S REPORT AND CATEGORICAL EXEMPTION

RECOMMENDATION: 1) Approve the Engineer's Report for the City of Anaheim Wells 48 and 53 PFAS Treatment Plant Project and determine the project feasible, necessary and beneficial to the lands of the District; and
2) Authorize filing of a Categorical Exemption for the City of Orange Wells 48 and 53 PFAS Treatment Plant Project in compliance with the California Environmental Quality Act (CEQA) guidelines

13. CITY OF SANTA ANA PFAS TREATMENT AT JOHN GARTHE RESERVOIR: ENGINEER'S REPORT AND CATEGORICAL EXEMPTION

RECOMMENDATION: 1) Approve the Engineer's Report for the City of Santa Ana PFAS Treatment at John Garthe Reservoir Project and determine the project feasible, necessary and beneficial to the lands of the District; and
2) Authorize filing of a Categorical Exemption for the City of Santa Ana PFAS Treatment at John Garthe Reservoir Project in compliance with the California Environmental Quality Act (CEQA) guidelines

14. AUTHORIZE AMENDMENT NO. 1 TO WORK ORDER TO ENVIRONMENTAL SCIENCE ASSOCIATES FOR ARCHEOLOGICAL MONITORING AT SA-2023-1

RECOMMENDATION: Authorize Amendment No. 1 for Work Order 12 to Agreement 1135 with ESA, in the amount of \$59,198, to conduct archeological monitoring during new ground disturbance activities for the construction of City of Santa Ana PFAS Water Treatment Plant Well Nos. 27 & 28

15. MULTISPECTRAL AERIAL IMAGERY AND LIGHT DETECTION RANGING (LIDAR) DATA ACQUISITION OF PRADO BASIN RFP

RECOMMENDATION: Authorize issuance of request for proposals for multispectral aerial imagery and LiDAR data acquisition of Prado Basin

16. GOLDEN STATE WATER COMPANY LA JOLLA PLANT AND FERN PLANT PFAS TREATMENT SYSTEMS PROJECT: ENGINEER'S REPORT AND CATEGORICAL EXEMPTION

RECOMMENDATION: 1) Approve the Engineer's Report for the Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project and determine the project feasible, necessary and beneficial to the lands of the District; and

2) Authorize filing of a Categorical Exemption for the Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project in compliance with the California Environmental Quality Act (CEQA) guidelines

17. AWARD CONTRACT NO. FUL-2024-1 FULLERTON KIMBERLY WELL 2 PFAS WATER TREATMENT PLANT TO R C FOSTER CORPORATION

RECOMMENDATION: 1) Receive and file Affidavit of Publication of Notice Inviting Bids for Contract FUL-2024-1 Fullerton Kimberly Well 2 PFAS Water Treatment Plant;

2) Ratify issuance of Addenda 1-2;

3) Accept bid and award contract FUL-2024-1 to the lowest responsive bid and responsible bidder, R C Foster Corporation, in the amount of \$7,071,100; and

4) Establish the Fullerton Kimberly Well 2 PFAS Water Treatment Plant Project budget in the amount of \$10,888,160

18. EVALUATION OF LAND SUBSIDENCE HISTORY AND POTENTIAL IN THE ORANGE COUNTY GROUNDWATER BASIN

RECOMMENDATION: Authorize Amendment of a professional services agreement to GSI Environmental in an amount not to exceed \$34,333 to evaluate land subsidence in the Orange County groundwater basin

ITEMS RECOMMENDED FOR APPROVAL AT ADMINISTRATION FINANCE COMMITTEE MEETING HELD MARCH 13 (ITEMS NO. 19 - 27)

19. MONTHLY CASH CONTROL REPORTS

RECOMMENDATION: Receive and file Summary Cash and Cash Equivalents Control Reports dated February 28, 2025

20. INVESTMENT PORTFOLIO HOLDINGS REPORTS

RECOMMENDATION: Receive and file the Investment Portfolio Holdings Reports dated February 28, 2025

21. AWARD OF SERVICES AGREEMENT FOR COWBIRD TRAPPING SERVICES

RECOMMENDATION: Authorize issuance of Agreement to the Santa Ana Watershed Association for \$55,000 per year plus a 5% inflation rate for each subsequent year after year one, for a not to exceed total of \$237,060 for three years with an option to renew for an additional year with General Manager approval under the same terms and conditions for brown-headed cowbird trapping services within Prado Basin.

22. HABITAT RESTORATION SERVICES AT PRADO AND ORANGE COUNTY FACILITIES REQUEST FOR PROPOSALS

RECOMMENDATION: Authorize issuance of Request for Proposals for Habitat Restoration Services within Prado Basin and Orange County Facilities

23. PURCHASE ORDER TO TABORDA SOLUTIONS, INCORPORATED FOR SOFTWARE UPDATE LICENSE AND SUPPORT RENEWAL FOR ORACLE JD EDWARDS FINANCIAL SYSTEM SOFTWARE

RECOMMENDATION: Authorize issuance of a Purchase Order to Taborda Solutions, Inc. for Oracle JD Edwards Software Update License and Support services in the amount not to exceed \$208,101 (\$69,367 annually) for a three-year period commencing on April 30, 2025

24. ULTRAVIOLET LIGHT (UV) EQUIPMENT SUPPLY

RECOMMENDATION: Authorize issuance of Purchase Order to Trojan Technologies Corp for the purchase of 1,080 UV lamps in the amount of \$272,861, including freight

25. PURCHASE REVERSE OSMOSIS MEMBRANE CLEANING CHEMICALS FROM AMERICAN WATER CHEMICALS, INC

RECOMMENDATION: Authorize purchase of 20,800 pounds of AWC C-227 RO membrane cleaning chemical from American Water Chemicals, Inc. for the amount of \$77,587

26. SURPLUS OF RESEARCH & DEVELOPMENT OBSOLETE EQUIPMENT, LAB TOOLS, AND FIELD HEADQUARTER HEAVY-DUTY EQUIPMENT

RECOMMENDATION: Declare items on Surplus List as of February 10, 2025, surplus and authorize the sale and disposal thereof

27. ADDITIONAL FUNDS FOR REFURBISHMENT AND REPLACEMENT FUND R24025: RECHARGE OPERATIONS HEAVY EQUIPMENT

RECOMMENDATION: Authorize additional funds in the amount of \$55,000 for R&R account R24025 for repair of heavy equipment

INFORMATIONAL ITEMS

28. PFAS UPDATE

29. SAWPA UPDATE
30. WATER RESOURCES REPORT
31. COMMITTEE/CONFERENCE/MEETING REPORTS
- ▶ Feb 28 - Property Management Committee (Chair Sheldon)
 - ▶ March 06 - Communications and Legislative Committee (Chair Tran)
 - ▶ March 12 - Water Issues Committee (Chair Green)
 - ▶ March 13 - 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)
32. VERBAL REPORTS
- PRESIDENT'S REPORT
 - GENERAL MANAGER'S REPORT
 - DIRECTORS' REPORTS
 - GENERAL COUNSEL REPORT

RECESS TO CLOSED SESSION

- **CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION, [Government Code Section 54956.9 (a),(d) – *OCWD v. Sabic et al.* (South Basin)**

- **CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION, [Government Code Section 54956.9 (a),(d) – *OCWD v. Sanmina et al* (South Basin)**

RECONVENE IN OPEN SESSION

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: March 19, 2025

To: Board of Directors

From: John Kennedy

Staff Contact: C. Olsen/A. Perry

Budgeted: N/A

Program/Line Item No.: N/A

Cost Estimate: N/A

Funding Source: N/A

General Counsel Approval: N/A

Engineers Report Approved: N/A

CEQA Compliance: N/A

**SUBJECT: PUBLIC HEARING ON 2023-24 ENGINEER'S REPORT ON
GROUNDWATER CONDITIONS, WATER SUPPLY AND BASIN
UTILIZATION**

SUMMARY

The District Act requires that a public hearing be conducted on the annual Engineer's Report which analyzes groundwater conditions, water supply and basin utilization. Section 26 of the District Act requires that certain information be provided to the Board of Directors in March of each year before the Board of Directors considers levy of the replenishment assessment (RA). Action is scheduled for the April 16, 2025 Board of Directors meeting to consider the need and desirability to levy the RA, the additional RA, the basin equity assessment, the basin production percentage and the production limitation and surcharge.

Attachments:

- Affidavit of Publication of Public Hearing
- Presentation on the 2023-24 Engineer's Report on Groundwater Conditions, Water Supply and Basin Utilization
- Draft 2023-24 Engineer's Report

RECOMMENDATION

Receive public hearing comments and file Engineer's Report

DISCUSSION/ANALYSIS

As required by the District Act, the annual Engineer's Report documents several specific findings regarding the conditions of the groundwater basin, water supply and basin utilization.

Section 25 of the District Act requires that OCWD order an annual investigation to report on the groundwater conditions within the district's boundaries. A summary of those findings in the 2023-24 water year (from July 1, 2023 to June 30, 2024) is as follows:

GROUNDWATER CONDITIONS 2023-24 SUMMARY OF FINDINGS

1. Groundwater production totaled 280,420 acre-feet (AF).
2. Groundwater stored in OCWD's basin increased by 56,000 AF.
3. The accumulated overdraft on June 30, 2024 was 133,000 AF.
4. The annual overdraft was 52,800 AF.

5. Average annual overdraft for the immediate past five water years was 94,900 AF.
6. Projected annual overdraft for the current 2024-25 water year is 118,000 AF.
7. Projected annual overdraft for the ensuing 2025-26 water year is 111,000 AF.
8. Projected accumulated overdraft on June 30, 2025 is 121,000 AF.
9. Under the provisions of Section 27 of the District Act, a portion of the RA for the ensuing 2025-26 water year could be equal to an amount necessary to purchase up to 108,200 AF of replenishment water.

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
2023-24 SUMMARY OF FINDINGS**

1. Water usage from all supplemental sources and non-local water sources totaled 55,668 AF.
2. Water usage from recycled water produced from within OCWD including the Groundwater Replenishment System (GWRS) totaled 122,987 AF.
3. Water demands within OCWD totaled 350,290 AF.
4. Estimated demands for groundwater for the ensuing 2025-26 water year are 297,000 AF.

PRIOR RELEVANT BOARD ACTION(S)

N/A

THE ORANGE COUNTY
REGISTER

1920 Main Street, Suite 209
Irvine, California 92614
(714) 796-7000
legals@inlandnewspapers.com

Orange County Water District
18700 Ward Street
Fountain Valley, California 92708

<i>Account Number:</i>	5179533
<i>Ad Order Number:</i>	0011722277
<i>Customer's Reference/PO Number:</i>	
<i>Publication:</i>	The Orange County Register
<i>Publication Dates:</i>	03/03/2025
<i>Total Amount:</i>	\$1146.88
<i>Payment Amount:</i>	\$0.00
<i>Amount Due:</i>	\$1146.88
<i>Notice ID:</i>	YhvBsPap7zdOz9lgGlw4
<i>Invoice Text:</i>	<p>PUBLIC HEARING REGARDING GROUNDWATER CONDITIONS, WATER SUPPLY AND BASIN UTILIZATION WITHIN ORANGE COUNTY WATER DISTRICT PLEASE TAKE NOTICE, that, pursuant to Sections 26 and 31.5 of the Orange County Water District Act, the written engineering investigation and report as to groundwater conditions, water supply and basin utilization has been received by the General Manager of said District. All operators of water producing facilities within said District are invited to call at the office of said District to examine said engineering investigation and report. PLEASE TAKE FURTHER NOTICE, that a Public Hearing regarding the groundwater conditions, water supply and basin utilization within the Orange County Water District will be held on Wednesday, March 19, 2025 at 5:30 P.M., or as soon thereafter as the matter may be heard, in the office of the Orange County Water District*, 18700 Ward Street, Fountain Valley, California, at which time any person or operator of a water producing facility within said District or any person interested in the condition of the groundwater supplies and the amounts and source from which all persons and operators produce their total supply of water as well as the estimated difference in the cost of water produced from groundwater within the District or supplemental sources, may, in person or by representative, appear and submit evidence concerning the groundwater conditions of said District and to support or protest said engineering investigation and report. * As a convenience for the public, OCWD will hold this Public Hearing by Zoom webinar as well as in person in the District Boardroom. Persons wishing to attend and participate in this Public Hearing may do so by in person attendance, telephonically by dialing 213-338-8477, or</p>

0011722277

Orange County Water District
18700 Ward Street
Fountain Valley, California 92708

**PROOF OF PUBLICATION
(2015.5 C.C.P.)**

**STATE OF CALIFORNIA
County of Orange**

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not party to or interested in the above-entitled matter. I am the principal clerk of the printer of The Orange County Register, a newspaper of general circulation, printed and published in the City of Irvine*, County of Orange, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of County of Orange, State of California, under the date of November 19, 1905, Case No.A-21046. The notice, of which the annexed is a printed copy (set in type not smaller than nonpareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

03/03/2025

I certify (or declare) under the penalty of perjury that the foregoing is true and correct.

Dated at Irvine, California

On this 3rd day of March, 2025.



Signature

**PUBLIC HEARING REGARDING GROUNDWATER CONDITIONS,
WATER SUPPLY AND BASIN UTILIZATION WITHIN ORANGE COUNTY
WATER DISTRICT**

PLEASE TAKE NOTICE, that, pursuant to Sections 26 and 31.5 of the Orange County Water District Act, the written engineering investigation and report as to groundwater conditions, water supply and basin utilization has been received by the General Manager of said District. All operators of water producing facilities within said District are invited to call at the office of said District to examine said engineering investigation and report.

PLEASE TAKE FURTHER NOTICE, that a Public Hearing regarding the groundwater conditions, water supply and basin utilization within the Orange County Water District will be held on Wednesday, March 19, 2025 at 5:30 P.M., or as soon thereafter as the matter may be heard, in the office of the Orange County Water District*, 18700 Ward Street, Fountain Valley, California, at which time any person or operator of a water producing facility within said District or any person interested in the condition of the groundwater supplies and the amounts and source from which all persons and operators produce their total supply of water as well as the estimated difference in the cost of water produced from groundwater within the District or supplemental sources, may, in person or by representative, appear and submit evidence concerning the groundwater conditions of said District and to support or protest said engineering investigation and report.

* As a convenience for the public, OCWD will hold this Public Hearing by Zoom webinar as well as in person in the District Boardroom. Persons wishing to attend and participate in this Public Hearing may do so by in person attendance, telephonically by dialing 213-338-8477, or virtually via internet remote access at <https://ocwd.zoom.us/j/87881361298>. Since this is an in-person meeting and the Zoom component is not required, but rather is being offered as a convenience, if there are technical issues during the meeting, this Hearing will continue and will not be suspended.

**The Orange County Register
Published: 3/3/25**



2023-24 Engineer's Report on Groundwater Conditions, Water Supply and Basin Utilization

Board of Directors Meeting

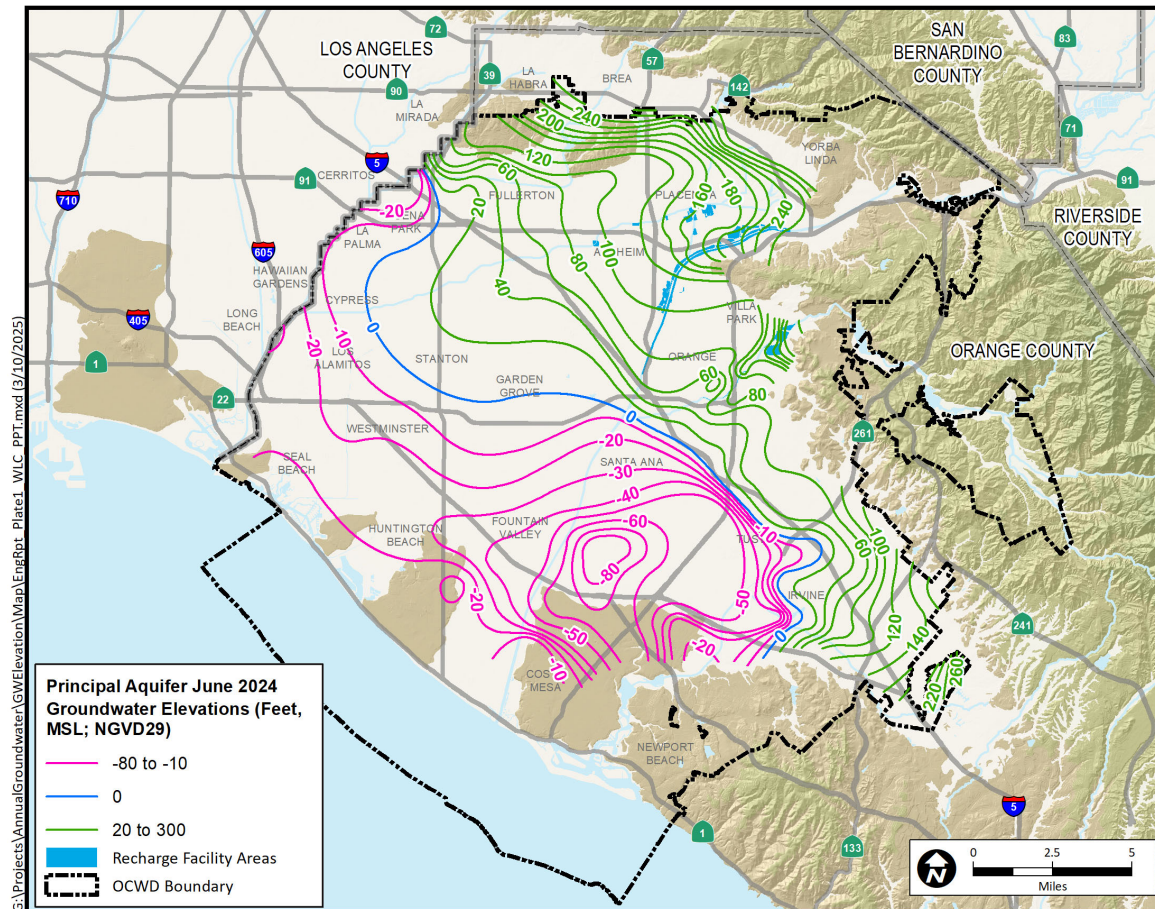
March 19, 2025



District Act Requires Annual Engineer's Report to Include Specific Key Findings

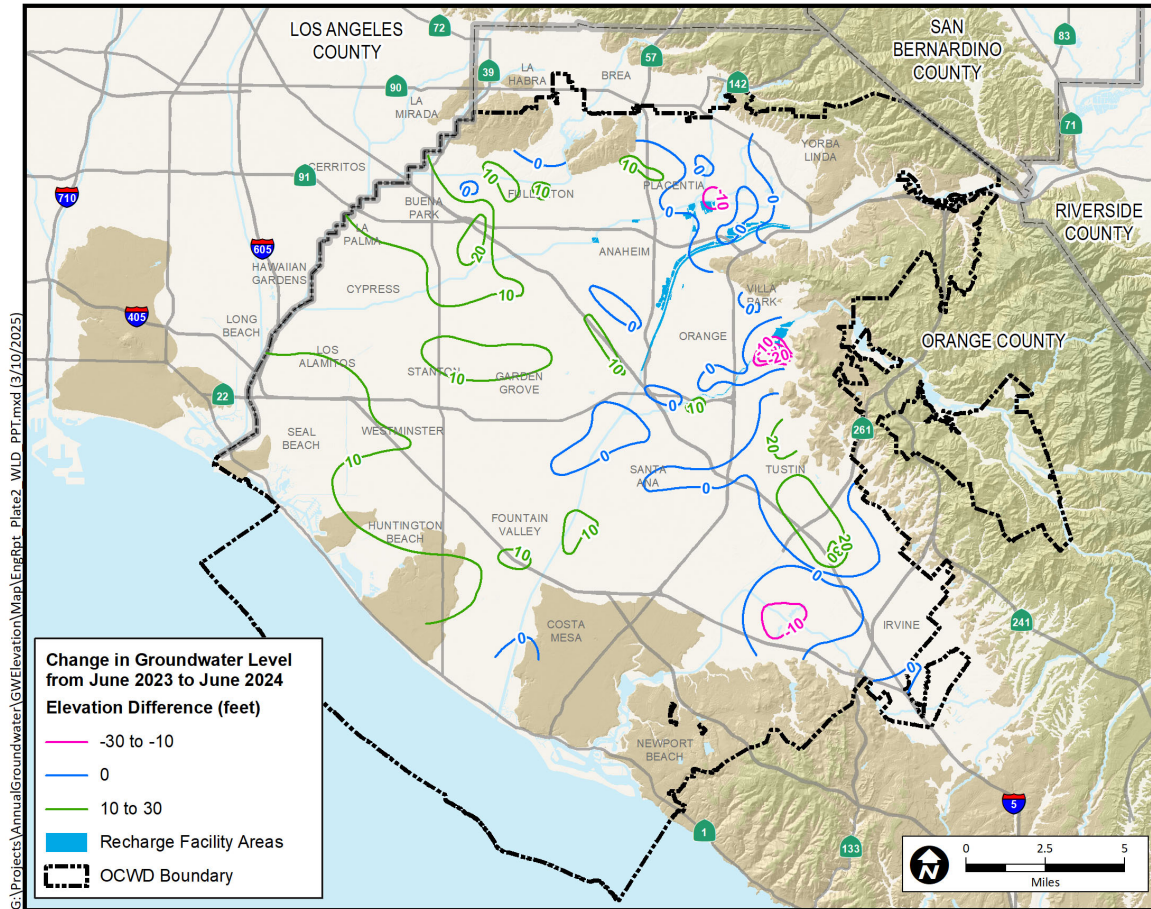
- ▶ This presentation focuses on the following four specific key findings:
 1. Change in groundwater levels
 2. Total groundwater production
 3. Annual basin storage change
 4. Accumulated basin overdraft
- ▶ Using terminology required by District Act
- ▶ Findings cover July 1, 2023 to June 30, 2024

Groundwater Contour Map - June 2024 Principal Aquifer



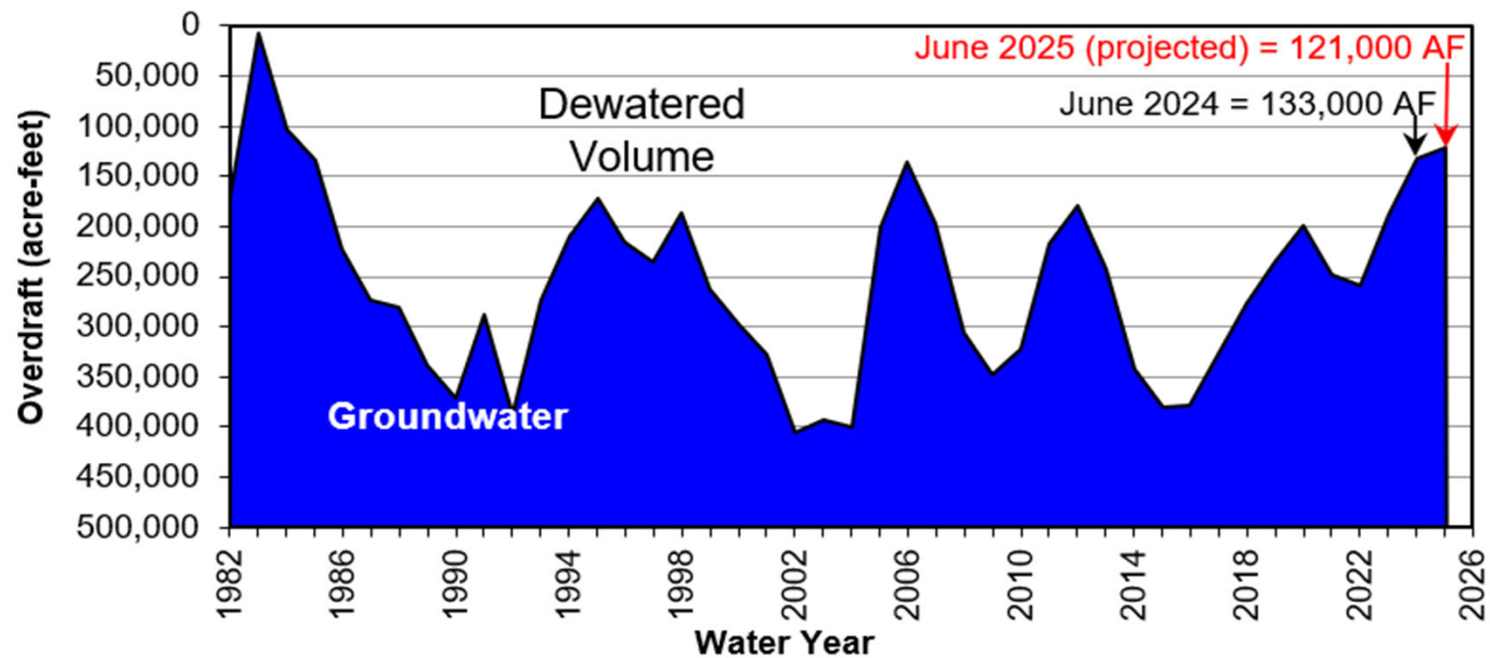
ORANGE COUNTY WATER DISTRICT

Groundwater Level Change Principal Aquifer

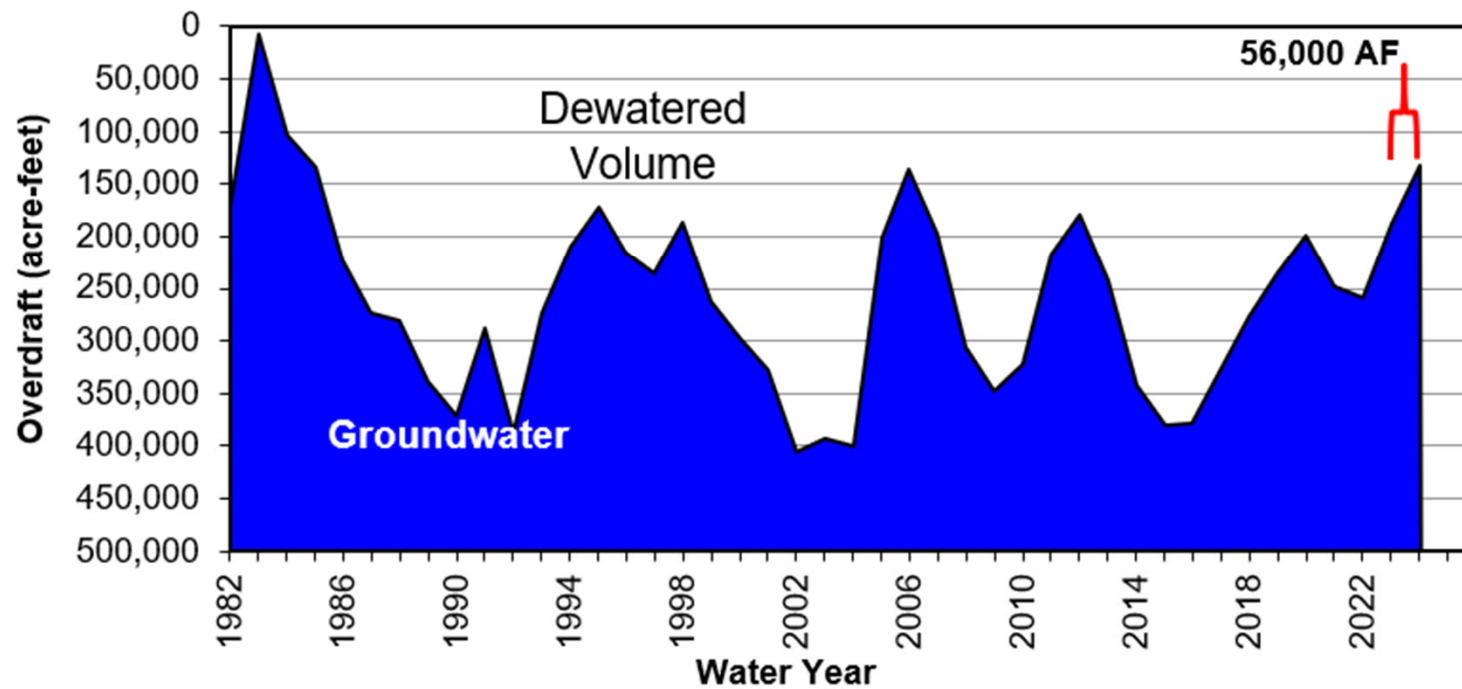


ORANGE COUNTY WATER DISTRICT

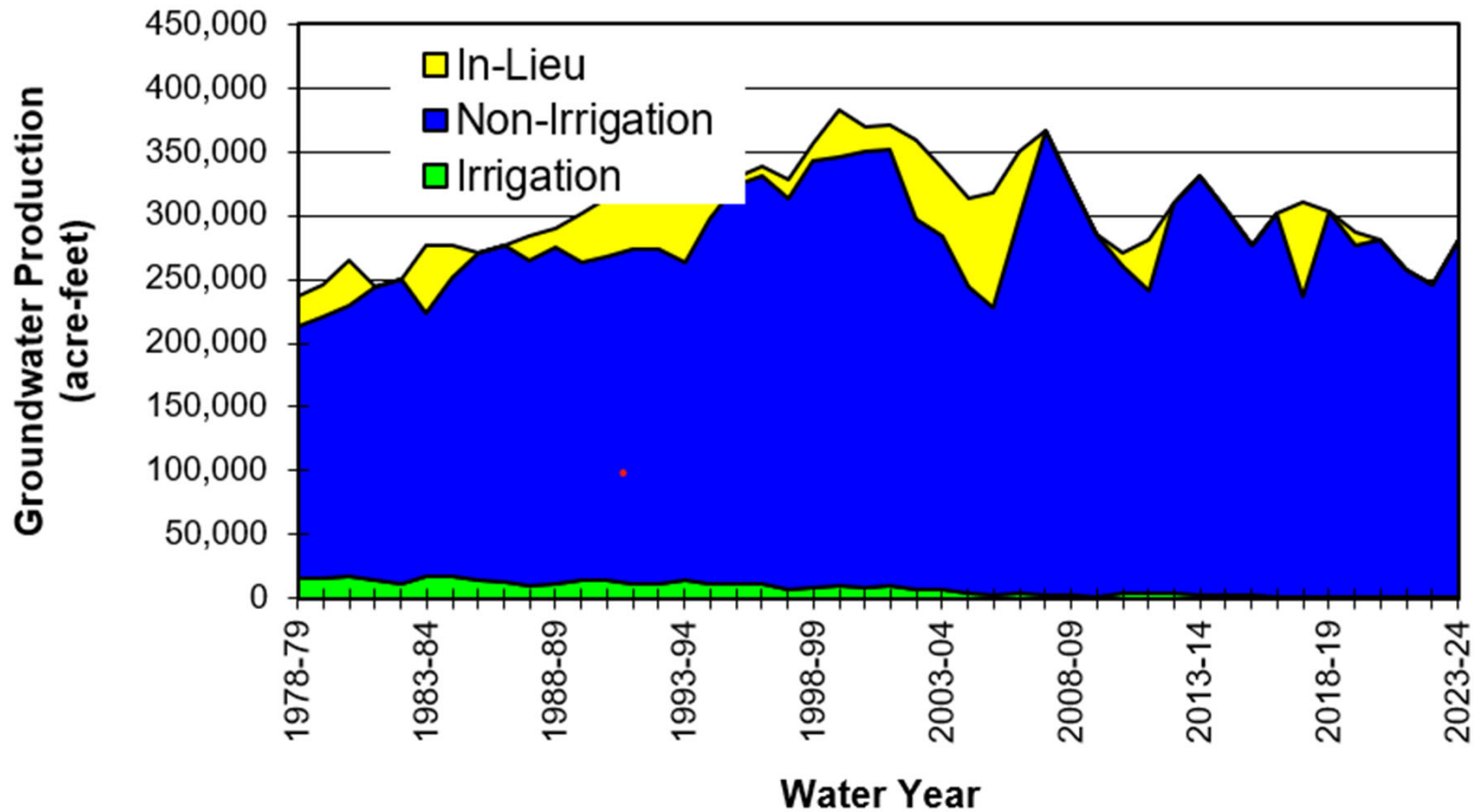
Projected June 30, 2025 Accumulated Overdraft



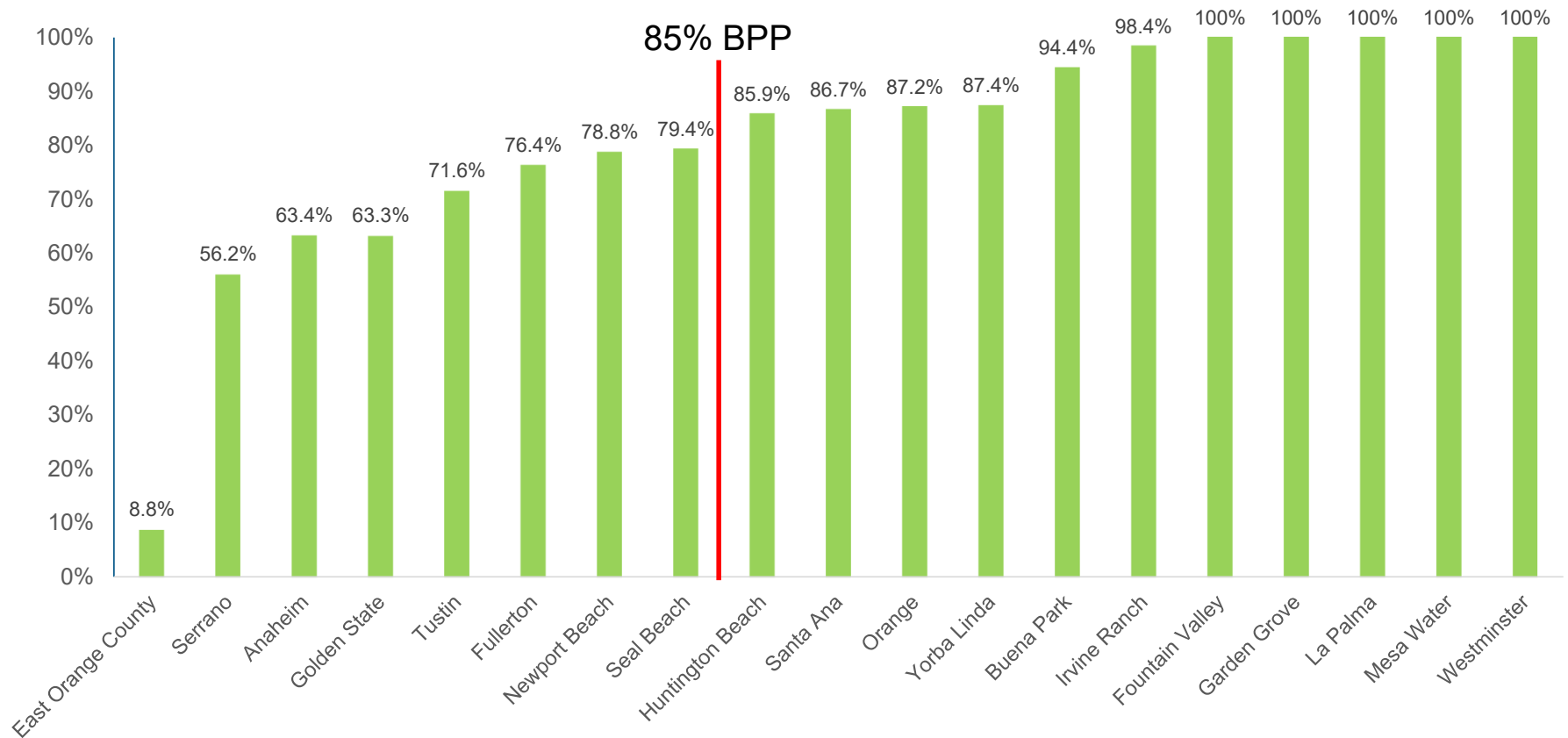
Basin Storage Increased by 56,000 AF in 2023-24



Groundwater Production Totaled 280,420 AF in 2023-24



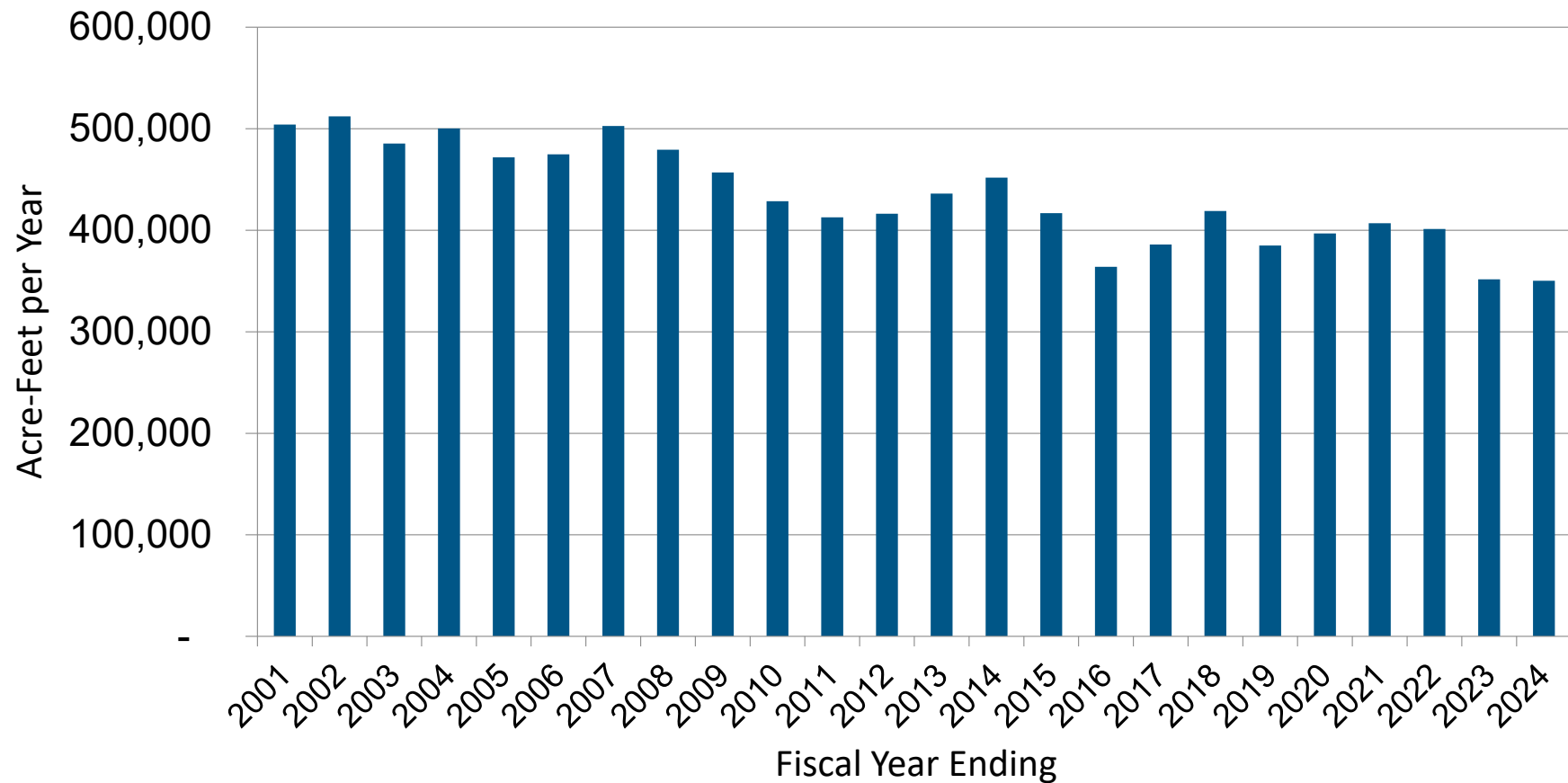
2023-24 Groundwater Producer Pumping Percentage



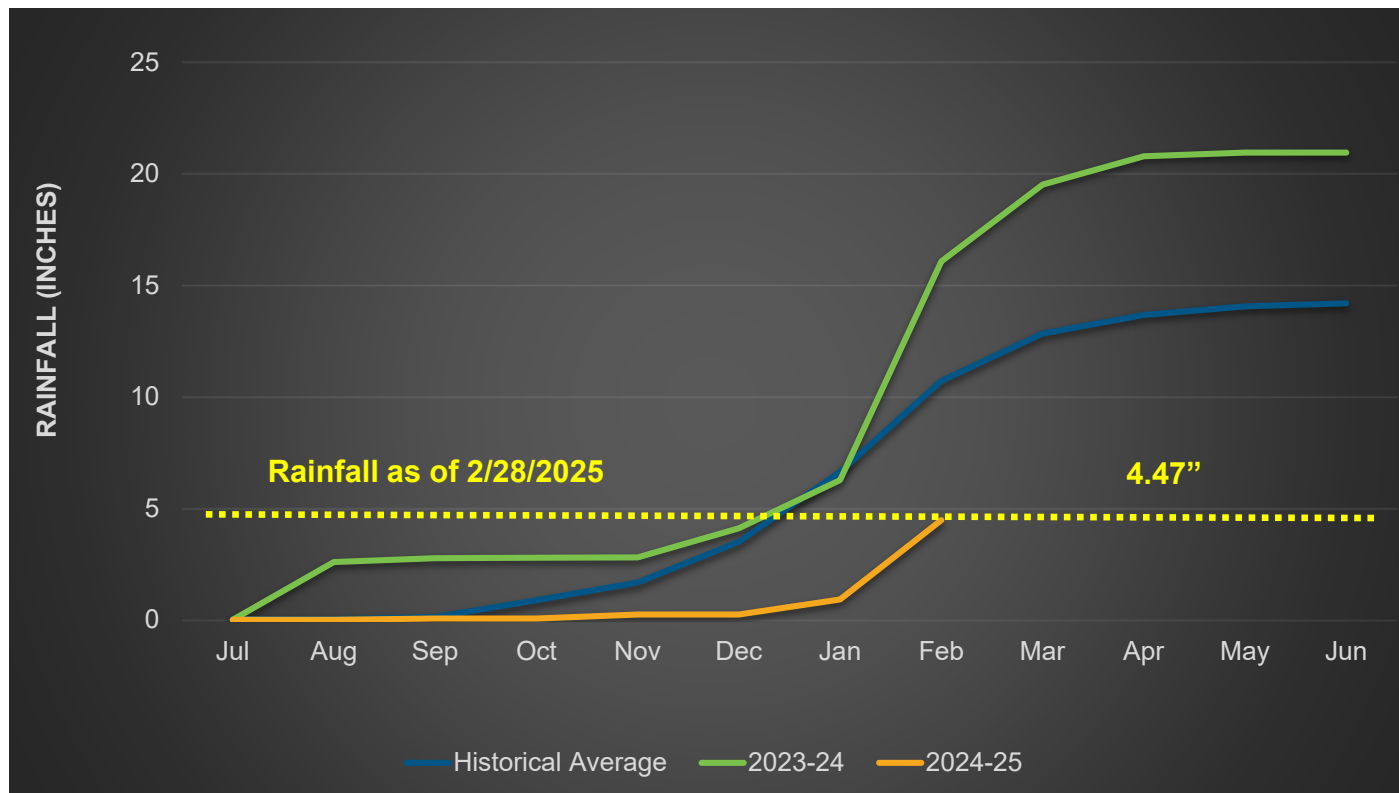
Water Demands Totaled 350,290 AF in 2023-24

- 2023-24 water demands were the lowest in the past 51 years.
The previous lowest water demands occurred in 1972-73
- 2023-24 water demands similar to 2022-23.
- 2023-24 water sources included the following:
 - 280,420 AF Groundwater
 - 51,154 AF Imported water
 - 2,400 AF Santiago Creek native water
 - 16,316 AF Title 22 Recycled water (3,251 AF from GAP and 13,065 AF from IRWD)

Historical Water Demands Within OCWD



Current and Cumulative Field Headquarters Rainfall



Future Board Action April 16, 2025

- ▶ Consider action on the following for the ensuing water year 2025-26:
 - ▶ Basin Production Percentage (BPP)
 - ▶ Replenishment Assessment (RA)
 - ▶ Additional RA
 - ▶ Basin Equity Assessment (BEA)
 - ▶ Production Limitation and Surcharge

Recommendation

- Receive and File the 2023-24 Engineer's Report on Groundwater Conditions, Water Supply and Basin Utilization in the Orange County Water District

DRAFT

2023-2024

ENGINEER'S REPORT ON

GROUNDWATER CONDITIONS,

WATER SUPPLY AND BASIN UTILIZATION

IN THE

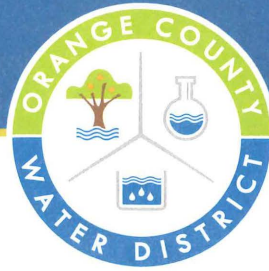
ORANGE COUNTY WATER DISTRICT

FEBRUARY 2025

ORANGE COUNTY WATER DISTRICT
BOARD OF DIRECTORS

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

John C. Kennedy
General Manager



February 19, 2025

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 2023-2024 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, 2023 through June 30, 2024 within the District's boundaries averaged 18.39 inches, which was one hundred thirty seven percent of the long-term average rainfall. The discharge of Santa Ana River flow past Prado Dam for the water year was measured to be 288,577 acre-feet which represented one hundred thirty one 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 117,673 acre-feet.

Total water demands within the District for the water year 2023-2024 were 350,291 acre-feet (excluding water used for groundwater replenishment and barrier maintenance), the lowest demands in the past fifty-one water years. The use of supplemental water in the District's service area during the water year totaled 55,668 acre-feet. Groundwater production within the basin for the water year totaled 280,420 acre-feet which was an increase of 14.4 percent from the prior water year.

The accumulated basin overdraft decreased from 189,000 acre-feet on June 30, 2023 to 133,000 acre-feet on June 30, 2024 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 2025-2026 water year could be equal to an amount necessary to purchase up to 108,200 acre-feet of replenishment water.

Sincerely,

A blue ink signature of Ryan C. Bouley, written in a cursive style.

Ryan C. Bouley, P.E.
Director of Engineering

A blue ink signature of Audrey Perry, written in a cursive style.

Audrey Perry
Associate Engineer

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EXECUTIVE SUMMARY

Total water demands within Orange County Water District (OCWD) were 350,290 acre-feet (AF) for the 2023-24 water year (beginning on July 1, 2023 and ending on June 30, 2024). Groundwater production for the water year totaled 280,420 AF including any available In-Lieu Program water. The use of supplemental water in OCWD's service area during the 2023-24 water year totaled 55,668 AF of which 53,554 AF resulted from the direct use by water agencies and districts and 2,114 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, 2024, the "annual overdraft" (annual basin storage decrease without supplemental replenishment water) was 52,800 AF. The accumulated overdraft decreased from 189,000 AF on June 30, 2023 to 133,000 AF on June 30, 2024. Precipitation within the groundwater basin was one hundred thirty seven percent of the long-term average during this water year, totaling 18.39 inches.

Based on the groundwater basin conditions for the water year ending on June 30, 2024, OCWD may purchase up to 108,200 AF of water for groundwater replenishment during the ensuing water year, beginning on July 1, 2025, 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 2023-24 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, 2023 to June 30, 2024 is as follows.

GROUNDWATER CONDITIONS 2023-24 SUMMARY OF FINDINGS

1. Groundwater production (including any In-Lieu Program water) totaled 280,420 acre-feet (AF) for the 2023-24 water year.
2. Groundwater stored in the basin increased by 56,000 AF for the 2023-24 water year.
3. Accumulated Overdraft¹ on June 30, 2024 was 133,000 AF.²
4. Annual Overdraft³ was 52,800 AF for the 2023-24 water year.
5. Average Annual Overdraft³ for the immediate past five water years (2019-20 through 2023-24) was 94,900 AF.
6. Projected Annual Overdraft³ for the current 2024-25 water year is 118,000 AF.
7. Projected Annual Overdraft³ for the ensuing 2025-26 water year is 111,000 AF.
8. Projected Accumulated Overdraft² on June 30, 2025 is 121,000 AF, assuming average hydrology.
9. Under the provisions of Section 27 of the District Act, a portion of the 2025-26 Replenishment Assessment (RA) could be equal to an amount necessary to purchase up to 108,200 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 (94,900 AF) to one-tenth of the accumulated overdraft (133,000 AF) which results in the following:
 $94,900 \text{ AF} + [(133,000 \text{ AF}) \times 0.10] = 108,200 \text{ AF}$

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, 2023, yielded an average of 18.39 inches of rainfall within OCWD's boundaries, which is approximately 137 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 (2022-23) was 21.12 inches. The average annual rainfall in the OCWD service area for the five-year period (from July 1, 2019 through June 30, 2024) was 12.95 inches, and below-average rainfall in the watershed tends to lead to lower flows in the SAR reaching Orange County. Stream flow in the SAR measured downstream of Prado Dam for the water year 2023-24 totaled 288,577 AF which was approximately 131 percent of the 30-year flow average of 220,652 AF.

GROUNDWATER PRODUCTION

Groundwater production from wells within OCWD for the 2023-24 water year totaled 280,420 AF (excluding In-Lieu Program water, MWD Groundwater Storage Program extractions, and any groundwater used for the Talbert Barrier): 279,809 AF for non-irrigation and 611 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 2023-24 water year, OCWD did not purchase In-Lieu Program water from MWD. 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 1974-75 through 2023-24.

Groundwater production and In-Lieu Program quantities for 2023-24 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

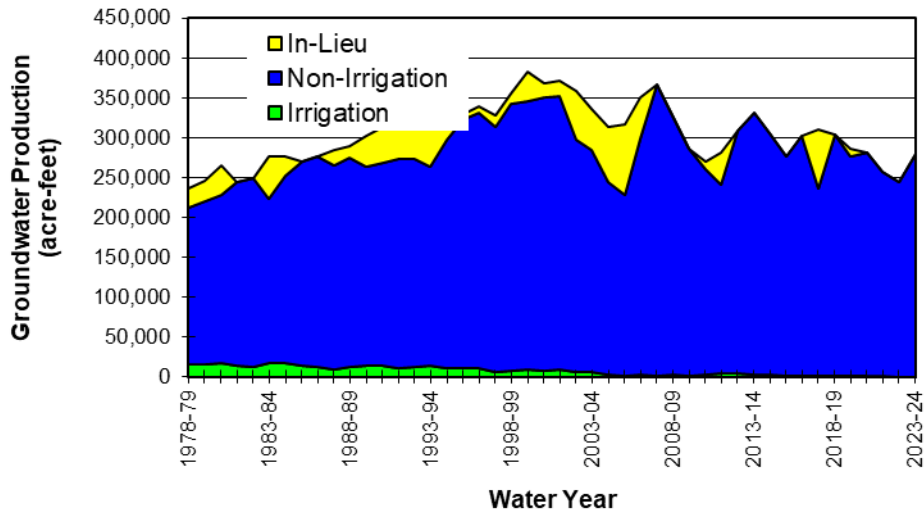


TABLE 1. Historical Groundwater Production Within OCWD

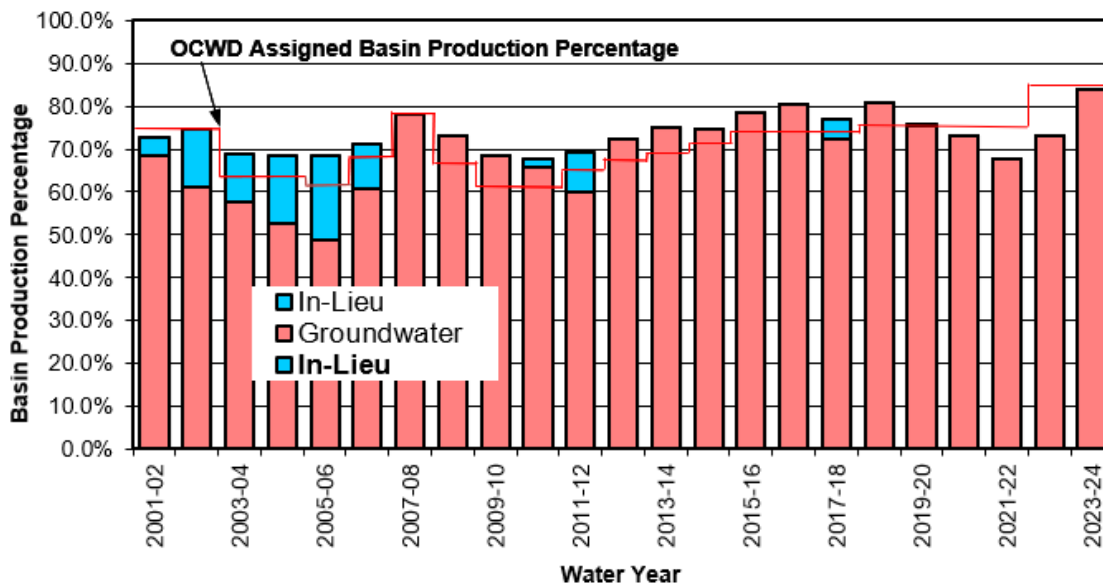
Water Year Jul 1-Jun 30	Groundwater Production (AF)	In-Lieu Program (AF)	Water Year Jul 1-Jun 30	Groundwater Production (AF)	In-Lieu Program (AF)
1974-75	225,597	-	1999-00	345,362	38,007
1975-76	245,456	-	2000-01	350,385	18,640
1976-77	243,511	-	2001-02	352,113	19,473
1977-78	188,407	-	2002-03	297,191	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	-
1998-99	342,823	13,352	2023-24	280,420	-

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 2023-24 water year was established at 85 percent by the OCWD Board of Directors. The overall BPP achieved within OCWD for non-irrigation use in the 2023-24 water year was 83.8 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 2022 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 0.58 to 1.4 miles) when compared to its alignment of the prior year, indicating an increase in groundwater levels in the principal aquifer system from June 2023 to June 2024.

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 2023 to June 2024 for the principal aquifer system. In the principal aquifer, groundwater levels rose approximately 5-10 feet in the greater Anaheim/Fullerton Forebay area, and 5-15 feet throughout the Pressure area, including 5 feet near the IRWD Dyer Road Well Field. Principal aquifer groundwater levels increased 10-20 feet in the northeastern portion of the Irvine Sub-basin near the Santa Ana Mountains but decreased 10-15 feet in south-central Irvine. At the OCWD Santiago Basin recharge facility in Orange, groundwater levels decreased by up to 30 feet, and at the OCWD recharge facilities in Anaheim, groundwater levels decreased by approximately 10 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, 2022-23 and 2023-24, but the response is largest at AM-14 due to its proximity to OCWD's spreading grounds.

The storage increase of 56,000 AF resulted primarily from a moderate rise in groundwater levels throughout most of the basin from June 2023 to June 2024, except for a moderate decline in both the Shallow and Principal aquifers immediately surrounding the OCWD Forebay recharge facilities in Anaheim (5-10 feet) and in Orange surrounding Santiago Basin (10-25 feet). In the Shallow aquifer throughout the rest of the basin, groundwater levels rose approximately 10-15 feet in the greater Anaheim/Fullerton Forebay area (west of the OCWD spreading grounds), 5-10 feet in the central portion of the basin, 0-4 ft in the Irvine Sub-basin, and 1-2 feet in the coastal area including near the Talbert Barrier, where elevations remained at or above protective elevations for seawater intrusion control.

In the Principal aquifer, except for the aforementioned decline surrounding the recharge basins, groundwater levels rose approximately 5-10 feet in the greater Anaheim/Fullerton Forebay area, and 5-15 feet throughout the Pressure area, including 5 feet near the IRWD Dyer Road Well Field. Principal aquifer groundwater levels increased 10-20 feet in the northeastern portion of the Irvine Sub-basin near the Santa Ana Mountains but decreased 10-20 feet in south-central Irvine.

In the Deep aquifer, groundwater levels also decreased slightly near the recharge basins in Anaheim (3 ft) and at Santiago Basin (5-15 ft) but rose throughout the rest of the basin. Deep aquifer groundwater levels rose throughout the greater Anaheim/Fullerton Forebay area by approximately 5 feet and throughout the Pressure area by 5-15 feet. Deep aquifer groundwater levels rose in the Irvine Sub-basin by over 20 feet along the northern mountain-front and by 5 feet or less elsewhere.

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 2023-24 water year, it is estimated that the volume of groundwater in storage increased by 56,000 AF. The annual overdraft was 52,800 AF for the 2023-24 water year. For the five-year period from July 1, 2019 to June 30, 2024, an annual average of approximately 115,500 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 94,900 AF.

GROUNDWATER BASIN ACCUMULATED OVERDRAFT

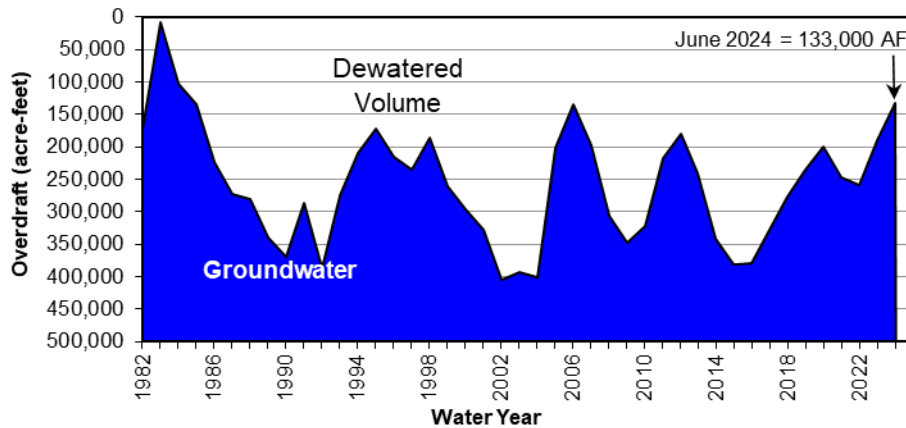
The accumulated overdraft, as defined in the District Act, is the quantity of water needed to be replaced at OCWD's intake area to prevent landward movement of ocean water into the fresh groundwater body. Landward movement of ocean water can be prevented if groundwater levels near the coast are several 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 the Resilience Plan (formerly referred to as the 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 2023-24 has been completed. Based on the three-layer methodology, an accumulated overdraft of 133,000 AF was calculated for the water year ending on June 30, 2024. The accumulated overdraft for the prior water year ending on June 30, 2023 was 189,000 AF (also calculated using the three-layer storage method). Therefore, an annual increase of 56,000 AF (reported earlier herein this report) was calculated as the difference between the June 2023 and June 2024 accumulated overdrafts.

Figure 3 shows the accumulated basin overdraft quantities for the period 1982 through 2024.

FIGURE 3. Accumulated Basin Overdraft



The accumulated overdraft for the current water year ending on June 30, 2025 is projected to be 121,000 AF, assuming average hydrology. The projected annual overdraft is estimated to be 118,000 AF. This quantity is based on assumed annual groundwater production of approximately 300,000 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 128,000 AF.

Projected annual overdraft for the ensuing water year 2025-26 is estimated to be 111,000 AF. This estimate is based on the assumption that total annual groundwater production for the ensuing water year will be 297,000 AF, a figure that is based upon an assumed BPP of 85 percent and includes 8,000 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 186,000 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 2023-24 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 2025-26 is limited to the amount needed to purchase 108,200 AF as calculated below:

Five-year (7/1/2019 through 6/30/2024) Average Annual Overdraft* = 94,900 AF
 Accumulated Overdraft (End of Water Year 2023-24) = 133,000 AF
 Assumed Time Period to Eliminate Accumulated Overdraft = 10 years
 Potential Water Purchase Amount: 94,900 AF + (133,000 AF/10 years) = 108,200 AF

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

Table 2 presents the proposed 2025-26 water budget expenses, which shows the proposed quantity of purchased water (8,000 AF) being significantly less than the prescribed limit of 108,200 AF as allowed for under the provisions of Section 27(b) of the District Act.

TABLE 2. 2025-26 Water Budget Expenses

Water Source	Amount (AF)	Unit Cost (\$/AF)	Total Cost (\$)
Alamitos Barrier	3,000	\$ 1,615.00	\$ 4,845,000
MWD Untreated Full-Service Water	5,000	\$ 948.00	\$ 4,740,000
Water Purchases Sub-total	3,000	—	\$ 9,585,000
Applicable Charges			Total Cost (\$)
MWD Readiness to Serve Charge	—	—	\$ 1,100,000
MWDOC Groundwater Charge	—	—	\$ 400,000
MWD Capacity Charge	—	—	\$ 10,000
Total Expenses			\$ 11,095,000

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 2025-26. 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 2025-26 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 2025-26 will be approximately 297,000 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 2025-26 that additional production of approximately 8,000 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 2025, 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 2025, 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 2023-24 SUMMARY OF FINDINGS

1. Water usage from all supplemental sources and non-local water sources (if any) totaled 55,668 AF for the 2023-24 water year.
2. Water usage from recycled water produced from within OCWD including the GWRS totaled 122,987 AF for the 2023-24 water year.
3. Water demands within OCWD totaled 350,290 AF for the 2023-24 water year.
4. Estimated demands for groundwater for the ensuing 2025-26 water year are 297,000 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 2023-24 water year totaled 55,668 AF of which 53,554 AF resulted from the direct use by water agencies and districts and 2,114 AF were used for groundwater replenishment purposes. The supplemental water used by water agencies included 51,154 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 2023-24 water year. A breakdown of non-local water purchases by OCWD from water years 2004-2005 through 2023-24 is presented in Appendix 4.

TABLE 3. 2023-24 Supplemental Water Usage

Direct Agency Use	AF
Imported Water ¹	51,154
Santiago Creek Native Water	2,400
Subtotal	53,554
Groundwater Replenishment (Purchased)	AF
In-Lieu Program ²	0
Forebay Recharge ³	0.2
Alamitos Barrier ⁴	2,114
Talbert Barrier	0
Subtotal	2,114
TOTAL	55,668

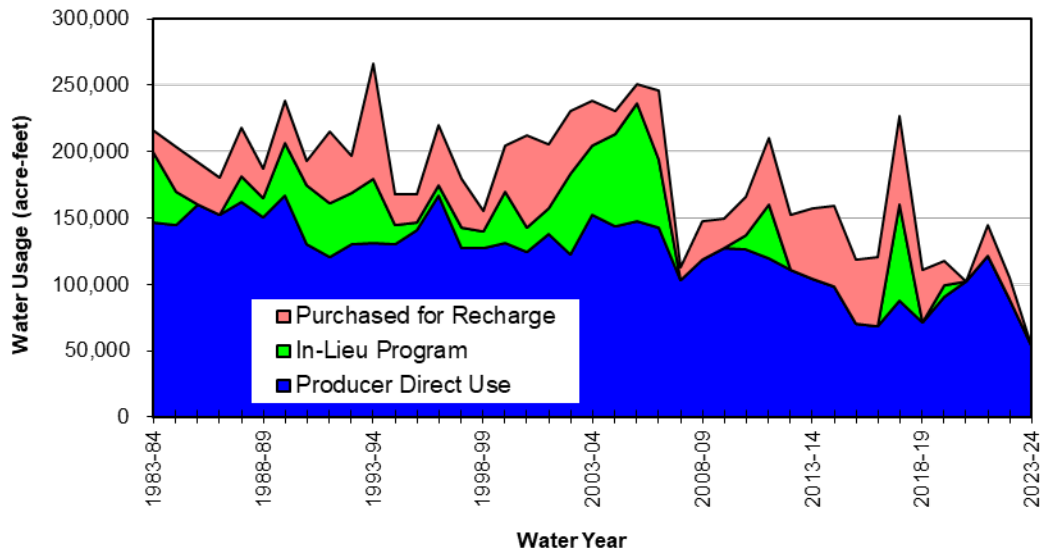
¹Includes any extractions from MWD Groundwater Storage Program.

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. 2023-24 Recycled Water Usage

Groundwater Replenishment		Water Usage (AF)
GWRS AWPf (for Talbert Barrier)		17,185
GWRS AWPf (for Recharge Basins) ¹		82,336
GWRS AWPf (for Mid-Basin Injection)		7,150
Subtotal		106,671
Irrigation		Water Usage (AF)
IRWD ²		13,065
OCWD (Green Acres Project) ³		3,251
Subtotal		16,316
TOTAL		122,987

¹Includes 50 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 2023-24 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 2025-26. OCWD is not planning to purchase untreated full-service water to recharge its groundwater basin in the ensuing water year 2025-26 due to the relatively full condition of the groundwater basin.

WATER DEMANDS

During the 2023-24 water year, the total water demands within OCWD's service area were 350,290 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 2023-24 and projected water demands for 2024-25 and 2025-26 are summarized in Table 5. The water demands for the current year 2024-25 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 2025-26 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
2023-24					
Non-Irrigation	279,809	51,154	2,400	-	333,363
Irrigation	611	-	-	16,316	16,927
Total	280,420	51,154	2,400	16,316	350,290
2024-25 (Current Year)⁵					
Non-Irrigation	279,300	60,000	2,000	-	341,300
Irrigation	700	-	-	18,000	18,700
Total	280,000	60,000	2,000	18,000	360,000
2025-26 (Ensuing Year)⁵					
Non-Irrigation	289,250	60,000	2,000	-	351,250
Irrigation	750	-	-	18,000	18,750
Total	290,000	60,000	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.

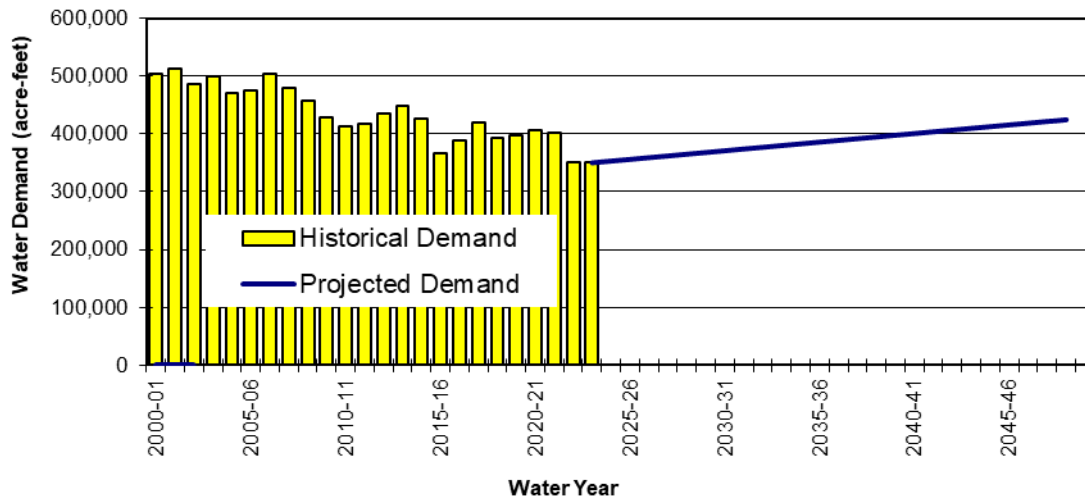
³ "Imported Water" and "Santiago Creek Native Water" are both counted as supplemental water.

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



WATER DEMAND FORECAST

OCWD participates with MWDOD and retail groundwater producers to predict future demands in OCWD's service area. Each groundwater producer projected its total water demands to the year 2050. These projections include the effect of local water conservation efforts and slight increase in population. Figure 5 illustrates the historical and the projected water demands for OCWD's service area to the year 2050.

ADVANCED WASTEWATER RECLAMATION

Groundwater, supplemental water, and local surface water have historically been the primary water sources within OCWD. In recent decades, wastewater reclamation has increasingly become a significant source of additional water. Purified recycled water has been produced by OCWD for use as injection water in the Talbert Barrier and as percolation water in Kraemer, Miller, Miraloma and La Palma recharge basins. OCWD and IRWD also recycle wastewater at their respective treatment plants for irrigation and industrial uses.

The GWRS is an advanced wastewater reclamation project jointly funded by OCWD and the Orange County Sanitation District (OC San). The project was operational in January 2008. The advanced treatment processes utilized in the GWRS consist of microfiltration (MF) followed by reverse osmosis (RO) membranes and advanced oxidation process of ultraviolet (UV) light in combination with hydrogen peroxide. For the water year 2023-24, the GWRS treated wastewater from the OC San to drinking water standards and delivered 106,671 AF of purified water for direct injection into the

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

For water year 2023-24, 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 16,316 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 2023-24 and supplied 1,488.4 AF of purified recycled water to OCWD's portion of the Alamitos Barrier, which represented 70 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 33 chemists and laboratory technicians, 13 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 2023-24 was determined to have a flow-weighted average of 452 milligrams per liter (mg/L) of total dissolved solids (TDS) which is higher than the average TDS concentration of 440 mg/L reported for the prior year (2022-23). The average groundwater TDS concentration for the basin for 2023-24 was 432 mg/L (compared to 415 mg/L reported for 2022-23), ranging from a low of 237 mg/L in coastal areas (such as Seal Beach) to a high of approximately 673 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 2023-24 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 2023-24 water year and the previous water year (2022-23) is included in Appendix 5.

TABLE 6. 2023-24 Water Quality Summary

City/Agency	Groundwater ^{1,7}			Delivered Blend ^{1,2,7}		
	TDS ³	NO ₃ -N ⁴	Hardness ⁵	TDS ³	NO ₃ -N ⁴	Hardness ⁵
Anaheim	555	2.2	306	554	1.49	282
Buena Park	414	1.8	267	422	1.69	266
East Orange County Water District	574	3.2	320	553	0.4	245
Fountain Valley	347	1.2	204	347	1.2	204
Fullerton	510	2.5	252	520	2.0	250
Garden Grove	543	3.5	339	543	3.5	339
Golden State Water Company	404	1.6	229	458	1.1	234
Huntington Beach	337	0.4	188	368	0.4	196
Irvine Ranch Water District ⁶	309*	0.9*	107*	313*	0.9*	109*
La Palma	288	ND ⁸	144	288	ND ⁸	144
Mesa Water District	301	0.4	106	301	0.4	106
Newport Beach	320	1.3	188	370	1.0	199
Orange	478	2.6	278	487	2.3	273
Santa Ana	402	2.1	247	422	1.9	246
Seal Beach	237	ND ⁸	89	302	0.1	120
Serrano Water District	576	1.0	310	535	0.6	323
Tustin ⁶	601*	4.6*	365*	587*	3.4*	330*
Westminster	371	1.9	239	371	1.9	239
Yorba Linda Water District	673	1.2	341	657	1.1	329
Weighted Average⁷	432	1.8	233	452	1.5	235

¹ All groundwater results (alone or blend) are for untreated groundwater (see note 6 below). Units are reported in mg/L.

² Delivered blend includes untreated groundwater and treated imported MWD water (i.e., blend of Colorado River water and State Project water as measured at the MWD Diemer Plant), except Serrano Water District, which blends with treated Santiago Reservoir water. Units are reported in mg/L. Annual average water qualities for MWD and Santiago Reservoir (Irvine Lake) for 2023-24 are as follows:

MWD Water Quality

TDS = 552 mg/L

NO₃-N = 0.27 mg/L

Hardness (as CaCO₃) = 242 mg/L

Santiago Reservoir Water Quality

TDS = 483 mg/L

NO₃-N = ND⁸mg/L

Hardness (as CaCO₃) = 340 mg/L

³ Secondary Drinking Water Standards for TDS are as follows:

500 mg/L = recommended limit

1,000 mg/L = upper limit

⁴ Primary Drinking Water Standard for nitrate NO₃-N (i.e., nitrate expressed as nitrogen) is 10 mg/L.

⁵ Hardness is reported as mg/L of CaCO₃. General classifications of hard and soft water are within the following concentration ranges:

0-75 mg/L = soft

75-150 mg/L = moderately hard

150-300 mg/L = hard

300 and up mg/L = very hard

⁶ Agencies with active groundwater quality improvement projects that treat for one or more of the constituents listed in the table. The results shown herein for "groundwater" and "delivered blend" reflect results from untreated groundwater. Water quality constituents that are marked with an asterisk (*) are reduced prior to delivery to customers.

⁷ All water quality results are flow-weighted averages based on groundwater and imported water delivered to each agency.

⁸ ND = not detected. Nitrate (expressed as NO₃-N) analytical detection limit for OCWD Philip L. Anthony Water Quality Laboratory is 0.1 mg/L.

PART III: WATER PRODUCTION COSTS FOR ENSUING WATER YEAR (2025-26)

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 (2025-26) WATER PRODUCTION COSTS SUMMARY OF FINDINGS

1. Cost for producing water from the groundwater basin within OCWD including a replenishment assessment for 2025-26 is estimated to be \$1,073.00 per acre-foot.
2. Cost of treated, non-interruptible supplemental water for 2025-26 is estimated to be \$1,604.50 per acre-foot.

GROUNDWATER PRODUCTION COSTS FOR NON-IRRIGATION USE

Cost for producing an acre-foot of groundwater in the ensuing 2025-26 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 2024. 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 2025-26.

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 2025-26 water year is estimated to be \$1,073 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 \$113 per AF. The O&M costs ranged from \$5 to \$396 per acre-foot with a median cost of approximately \$74 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 2025-26 Groundwater Production Costs

Cost Item	Non-Irrigation Use	
	Annual Cost (\$)	Cost per AF (\$/AF)
Energy	293,800	113 ²
RA	1,848,600	711 ³
Capital	455,000 ^{1,4}	175 ^{1,4}
O&M	192,400	74 ²
Total Cost to Producers	2,789,800	1,073

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 2025-26.

⁴ Assuming \$7,000,000 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 2025-26 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 2025-26 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 2025-26 Supplemental Water Cost¹

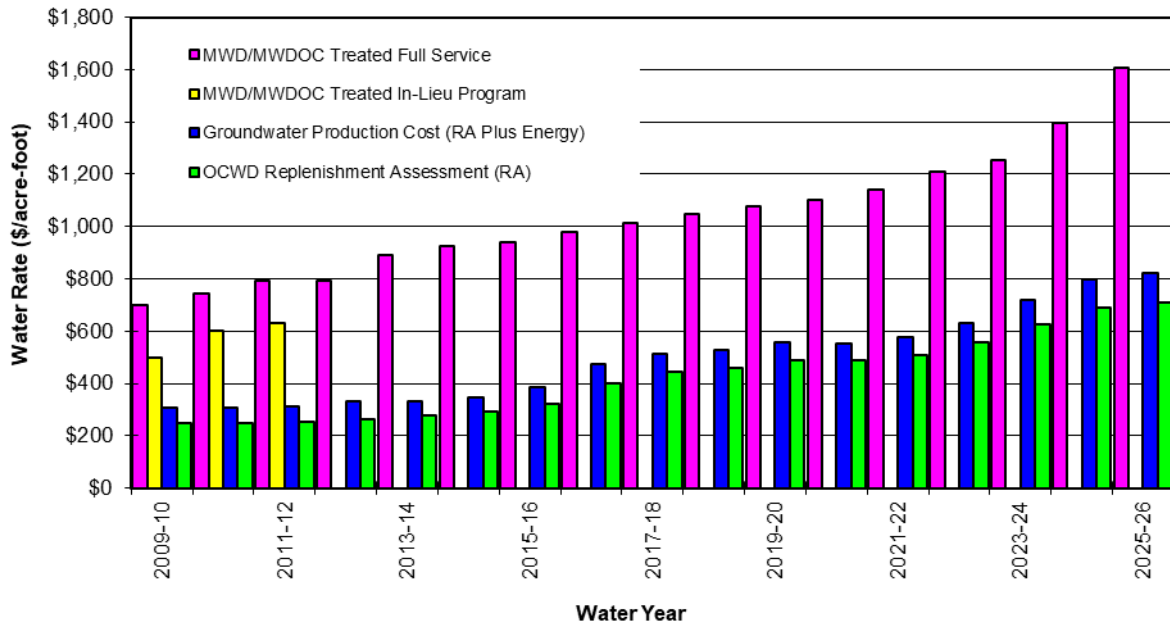
Rate and Charge Components	Treated Water Rate (\$/AF)
Firm Deliveries	Full-Service Water
MWD Supply Rate (MWDOC Melded Rate)	301.50
MWD System Access Rate	477.50
MWD System Power Rate	169.00
MWD Treatment Surcharge	513.50
MWD RTS and Capacity Charges ²	<u>143.00</u>
Total	1,604.50

¹ Rates are an average of calendar year 2025 and calendar year 2026. 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.

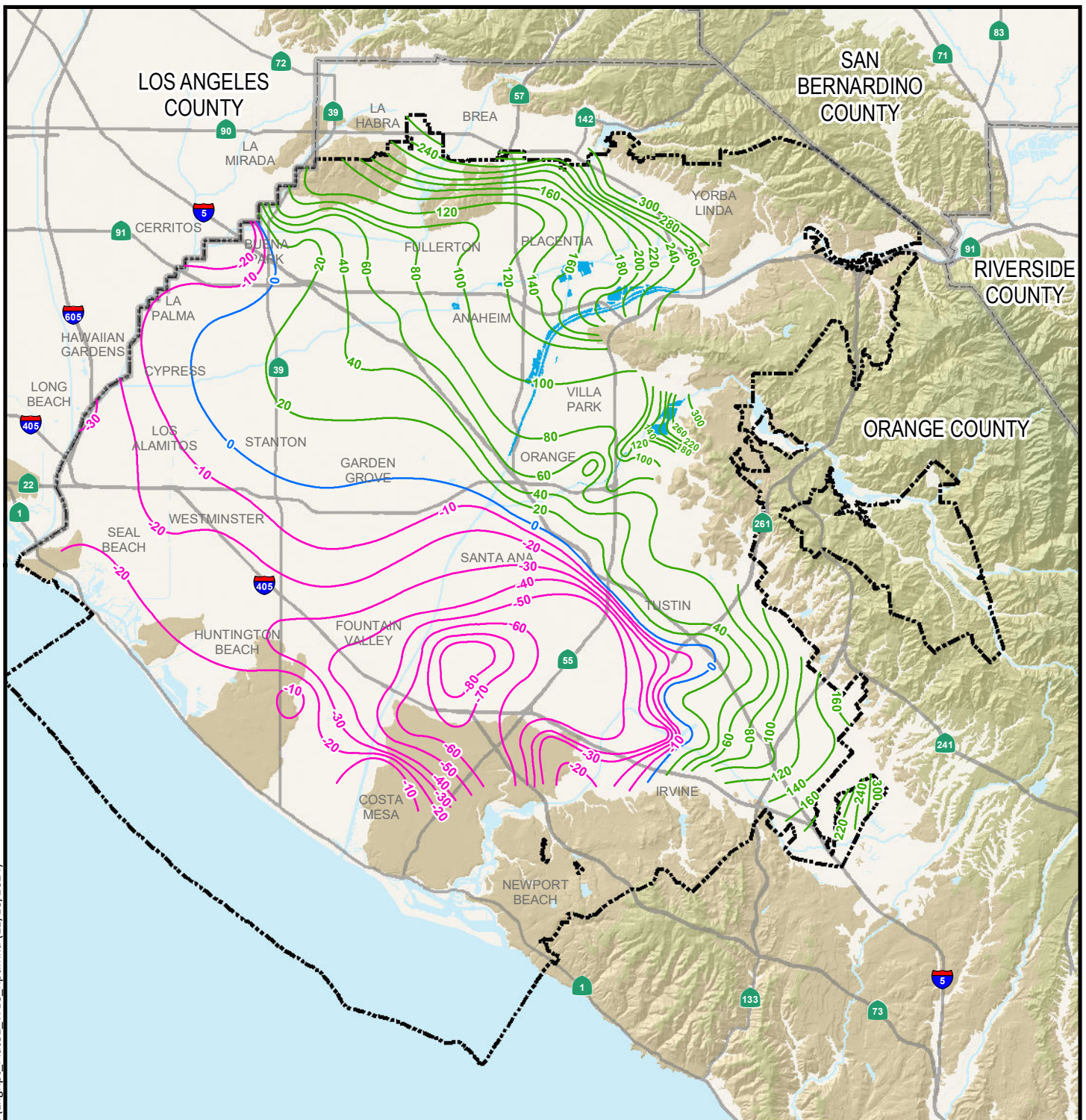
TABLE 9. Estimated 2025-26 Water Production Cost Comparison

Non-Irrigation Use	Groundwater Cost (\$/AF)	Supplemental Water Cost (\$/AF)
Fixed Cost	175.00 ¹	1,604.50 ³
Variable Cost	898.00 ²	_ ³
Total	1,073.00	1,604.50

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)**









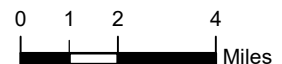
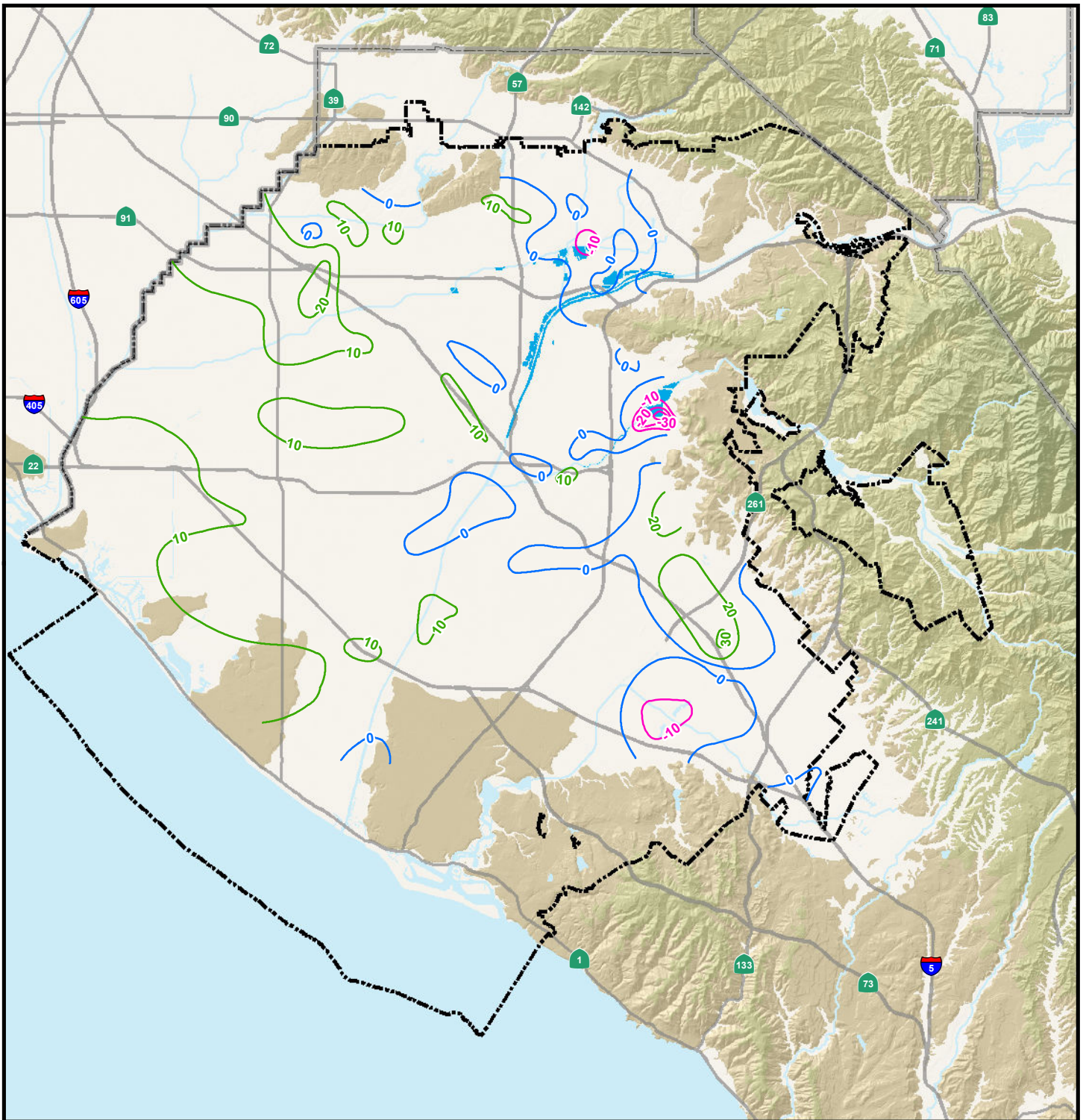
-  -80 to -10
 0
 20 to 300
 Recharge Facility Areas
 Freeways / Highways
 Rivers / Streams
 Orange County Water District
 Water Bodies

PLATE 1
GROUNDWATER CONTOUR MAP
JUNE 2024



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



**Estimated Groundwater
Elevation Changes within
the Principal Aquifer (Feet)**

— -30 to -10

— 0

— 10 to 30

■ Recharge Facility Areas

— Freeways / Highways

— Rivers / Streams

— Orange County Water District

■ Water Bodies

**PLATE 2
CHANGE IN GROUNDWATER LEVEL
FROM JUNE 2023 TO JUNE 2024**

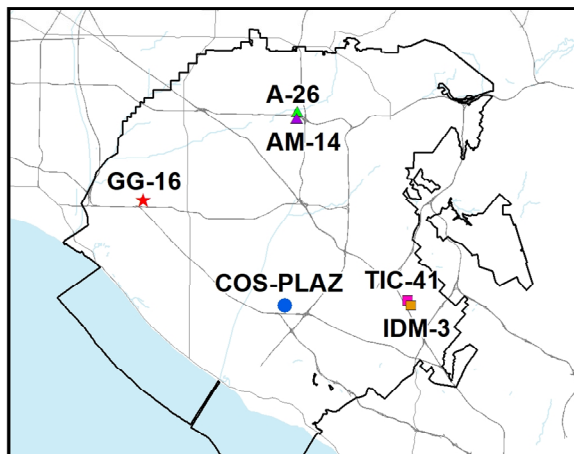
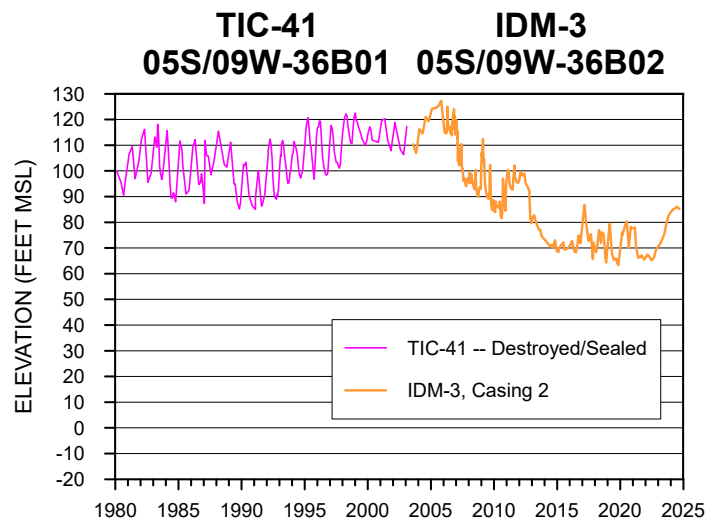
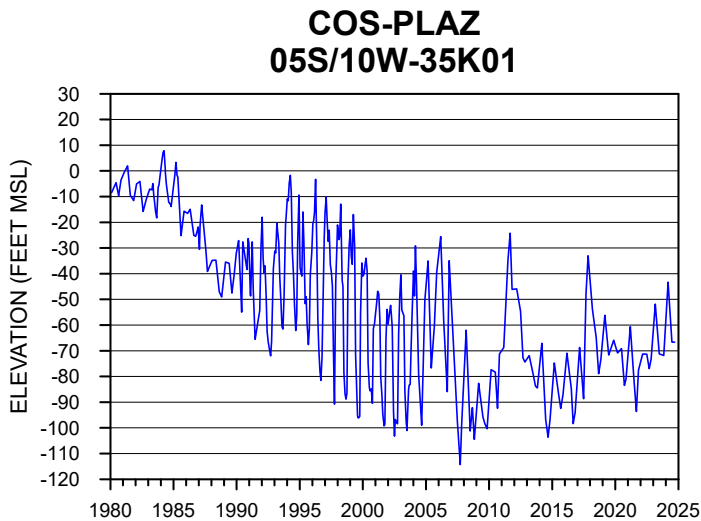
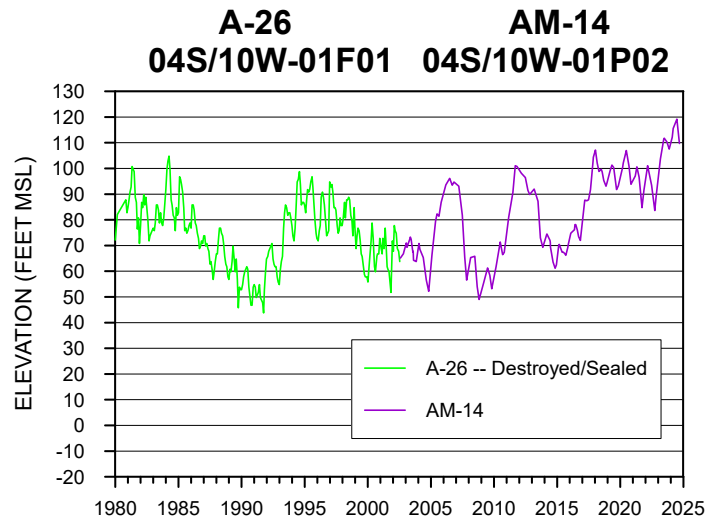
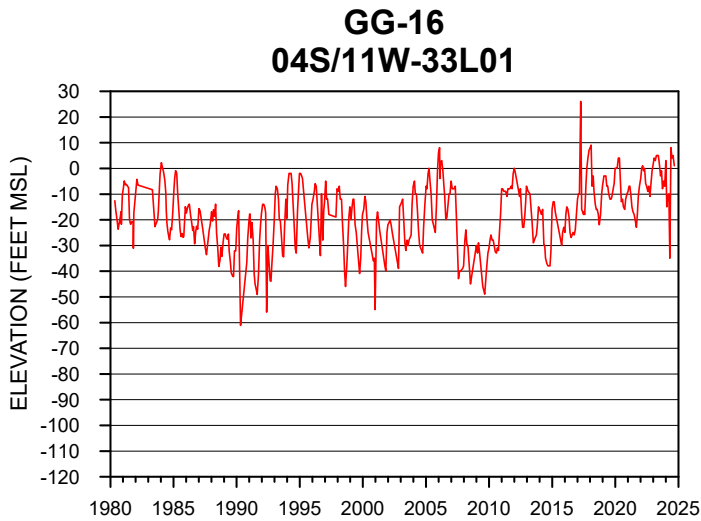


0 1 2 4
Miles

PLATE 3

KEY WELL GROUNDWATER ELEVATION TRENDS IN THE PRINCIPAL AQUIFER

Measured water level elevations
in feet relative to mean sea level



APPENDIX 1. 2023-24 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	33,806.5	-	-	33,806.5	19,483.9	-	19,483.9	53,290.4	63.4%
Buena Park, City of ⁶	11,114.4	-	-	11,114.4	665.0	-	665.0	11,779.4	94.4%
East Orange County Water District	62.2	-	-	62.2	646.1	-	646.1	708.3	8.8%
County of Orange	102.7	-	-	102.7	135.2	-	135.2	237.9	43.2%
Fountain Valley, City of	8,126.1	-	-	8,126.1	-	-	0.0	8,126.1	100.0%
Fullerton, City of	15,470.3	-	-	15,470.3	4,778.3	-	4,778.3	20,248.6	76.4%
Garden Grove, City of ^{3,6}	20,646.9	-	-	20,646.9	4.2	-	4.2	20,651.1	100.0%
Golden State Water Company ⁶	13,237.3	-	-	13,237.3	7,665.0	-	7,665.0	20,902.3	63.3%
Huntington Beach, City of	20,216.9	-	-	20,216.9	3,309.2	-	3,309.2	23,526.1	85.9%
Irvine Ranch Water District ^{3,4}	43,497.3	-	-	43,497.3	717.3	-	717.3	44,214.6	98.4%
La Palma, City of	1,590.6	-	-	1,590.6	-	-	0.0	1,590.6	100.0%
Mesa Water District ³	14,860.1	-	-	14,860.1	(0.3)	-	-0.3	14,859.8	100.0%
Newport Beach, City of	9,828.4	-	-	9,828.4	2,638.0	-	2,638.0	12,466.4	78.8%
Orange, City of ⁴	19,934.1	-	-	19,934.1	2,937.1	-	2,937.1	22,871.2	87.2%
Orange County Water District ⁵	1,628.5	-	-	1,628.5	-	-	0.0	1,628.5	100.0%
Santa Ana, City of ⁶	26,674.8	-	-	26,674.8	4,085.7	-	4,085.7	30,760.5	86.7%
Seal Beach, City of	2,341.2	-	-	2,341.2	609.2	-	609.2	2,950.4	79.4%
Serrano Water District ⁴	1,278.6	-	-	1,278.6	998.4	-	998.4	2,277.0	56.2%
Tustin, City of ³	6,899.6	-	-	6,899.6	2,743.2	-	2,743.2	9,642.8	71.6%
Westminster, City of ⁶	9,844.4	-	-	9,844.4	-	-	0.0	9,844.4	100.0%
Yorba Linda Water District ⁶	14,765.7	-	-	14,765.7	2,138.2	-	2,138.2	16,903.9	87.4%
Total Major Groundwater Producers	275,926.4	0.0	0.0	275,926.4	53,553.7	0.0	53,553.7	329,480.1	83.7%
Other Producers	3882.4	-	611.0	4,493.4	-	-	-	4,493.4	
Total Amount	279,808.8	0.0	611.0	280,419.8	53,553.7	0.0	53,553.7	333,973.5	
Basin Production Percentage Overall									83.8%

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. 2023-24 Groundwater Production — Non-Irrigation Use Production Over 25 Acre-feet

PRODUCER	AF	PRODUCER	AF
Alta Vista Country Club	278.5	Mesa Verde Country Club	303.7
Amerige Pointe, LLC	50.2	Mesa Water District	14,860.1
Anaheim Cemetery	37.0	Midway City Mutual Water Co.	152.7
Anaheim, City of	33,711.4	Mile Square Golf Course	60.7
Billy Casper Golf	164.2	Navy Golf Course	39.3
Buena Park, City of	11,114.4	Newport Beach Golf Course	97.7
Canyon RV Park	54.3	Newport Beach, City of	9,828.4
County of Orange	102.7	Old Ranch Country Club	228.2
DS Services of America, Inc.	128.4	Orange County Water District	1,628.5
East Orange County Water District	26.3	Orange, City of	19,892.5
Eastlake Village HOA	31.9	Page Ave. Mutual Water Co.	32.5
Eastside Water Association	150.5	River View Golf	182.0
Fairhaven Memorial Park	131.0	Santa Ana Cemetery	60.2
Forest Lawn Memorial Park	28.5	Santa Ana Country Club	260.2
Fountain Valley, City of	8,126.1	Santa Ana, City of	26,674.6
Fullerton, City of	15,470.3	Seal Beach, City of	2,341.2
Garden Grove, City of	20,646.9	Serrano Water District	1,267.6
Golden State Water Company	13,237.3	SMCM Water Co.	67.4
Huntington Beach, City of	20,216.9	The Boeing Company	126.7
Hynes Estates, Inc.	81.6	The Good Shepherd Cemetery	59.6
Irvine Ranch Water District	43,497.3	Tustin, City of	6,899.6
Knott's Berry Farm	245.0	Westminster Memorial Park	255.2
La Palma, City of	1,590.6	Westminster, City of	9,844.4
Los Alamitos Race Course	119.4	Yorba Linda Country Club	250.5
Melrose Abbey Funeral Center	26.9	Yorba Linda Water District	14,612.9
		Total	279,293.8

**APPENDIX 3. 2023-24 Groundwater Production — Irrigation Use Production
Over 25 Acre-feet**

PRODUCER	AF
OG Citrus Pickers, Inc.	35.6
Orange County Produce	431.1
Treesap Farms, LLC	121.7
Total	588.4

APPENDIX 4. Non - Local Water Purchased by OCWD for Water Years 2004-05 through 2023-24

	Water Exchange	Alamitos Barrier	Talbert Barrier		Forebay Recharge		In-Lieu Program		SARCCUP	SAR Upstream Groundwater Projects		TOTAL
	Western		FV ¹	Mesa WD	Forebay Recharge	CUP ² Recharge	CUP ² In-Lieu	In-Lieu	Water Bank ³	Arlington	SBVMWD	
	Mun. WD		OC32A	OC44B						Desalter		
Water Year	Purch. AF	Purch. AF	Purch. AF	Purch. AF	Purchase AF	Delivery AF	Delivery AF	Purch. AF	Delivery AF	Purch. AF	Purch. AF	Delivery and Purchase AF
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
2023-24	-	2,114.1 ⁴	-	-	0.2	-	-	-	-	-	-	2,114.3
Total	8,290.9	35,862.0	3,676.9	30,311.7	526,259.0	39,780.4	54,621.2	288,414.5	2,000.0	2,596.1	0	1,001,812.7

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. 2023-24 Water Resources Summary

	2023-2024 Water Year (AF)	2022-2023 Water Year (AF)	Change from last year to this year
SUMMARY OF BASIN CONDITIONS			
BASIN SUPPLIES			
Water Purchases from MWD (excludes In-Lieu)	7	16,865	-16,858
Water into MWD Storage Account (excludes In-Lieu)	0	0	0
SAR & Santiago Creek Flows ¹	321,265	313,265	8,000
GWRS AWPf Water to Forebay Recharge Basins	82,285	74,624	7,661
GWRS AWPf Water to Mid-Basin Injection	7,150	7,516	-365
GWRS AWPf Water to Talbert Barrier	17,185	19,747	-2,562
Imported Water to Talbert Barrier (OC-44 & Fountain Valley)	19	25	-6
Alamitos Barrier	2,114	2,414	-300
Incidental Recharge	28,258	23,921	4,337
Evaporation from Recharge Facilities	-4,190	-3,449	-741
SAR Flow Lost to Ocean	-117,673	-141,373	23,700
Total Groundwater Recharge	336,421	313,555	22,867
WATER PRODUCTION			
Groundwater Production	280,420	245,210 ³	35,210
MWD Storage Program Extractions	0	0	0
Total Groundwater Production	280,420	245,210³	35,210
BASIN STATUS			
Change in Groundwater Storage	56,000	69,000	-13,000
Change in Groundwater Storage excluding MWD Stored Water	56,000	69,000	-13,000
Accumulated Overdraft (AOD)	133,000	189,000	-56,000
AOD without MWD Storage Program Water	133,000	189,000	-56,000
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)	738	656	82
2. Total Nitrogen of SAR below Prado Dam (mg/L)	4	1	3
3. Total GWRS AWPf Production ²	106,670	101,950	4,721
4. Green Acres Project	3,251	3,396	-145
5. Base Flow of Santa Ana River	76,322	67,753 ³	8,569
6. Year-end Storage behind Prado Dam	2	1	1
7. Year-end Storage in Recharge Facilities	18,482	21,250	-2,768
8. Total Artificial Recharge (percolation plus barriers)	308,163	289,632	18,531
9. Rainfall Measured at OCWD Field Headquarters (inches)	21	26	-5
10. Annual Mean Temperature at Santa Ana Fire Station (°F)	67	65	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 2022-23 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	\$455,700

¹ Assuming \$7,000,000 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)
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	798	– ⁵	1,395
2025-26	711 ³	824	– ⁵	1,604 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: March 19, 2025

To: Board of Directors

From: John Kennedy

Staff Contact: M. Ochoa

Budgeted: N/A

Budgeted Amount:

Cost Estimate \$5,315,253.01

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 27, 2025 through March 12, 2025, including manual checks and wire transfers, staff is presenting cash disbursements totaling \$5,315,253.01

Accounts Payable:	
02/27/2025 - 03/05/2025	\$ 974,065.82
03/06/2025 - 03/12/2025	\$ 2,937,455.12
Payroll	\$ 1,403,732.07
Total Disbursements	\$ 5,315,253.01

RECOMMENDATION

Ratify/Authorize payment of bills

PRIOR RELEVANT BOARD ACTION(S)

Semi-monthly

Orange County Water District

Check Register

Begin Date: 2025-02-27

End Date: 2025-03-05

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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
804083	2025-03-05	ALTA FOODCRAFT	Inv# 12505300	BPO FIRST AID & COFFEE	\$262.80		
Total for Check:		804083				\$262.80	\$13,583.11
804084	2025-03-05	THERMO ELECTRON NORTH AMERICA LLC	Inv# 9021533618	Lab supplies	\$2,055.38		
804084	2025-03-05	THERMO ELECTRON NORTH AMERICA LLC	Inv# 9021533618	Shipping and handling	\$21.75		
804084	2025-03-05	THERMO ELECTRON NORTH AMERICA LLC	Inv# 9021534671		\$329.27		
Total for Check:		804084				\$2,406.40	\$45,382.49
804085	2025-03-05	WECK LABORATORIES, INC.	Inv# W5B0256	BPO WATER ANALYSIS	\$300.00		
804085	2025-03-05	WECK LABORATORIES, INC.	Inv# W5B0260	BPO WATER ANALYSIS	\$300.00		
Total for Check:		804085				\$600.00	\$24,478.00
804086	2025-03-05	WESTAIR GASES & EQUIPMENT	Inv# 0011974029	acetylene, soapston	\$72.49		
804086	2025-03-05	WESTAIR GASES & EQUIPMENT	Inv# 0011974029	haz.mtl, COC cylinder maint	\$22.50		
804086	2025-03-05	WESTAIR GASES & EQUIPMENT	Inv# 0011975978	nitrogen	\$110.02		
804086	2025-03-05	WESTAIR GASES & EQUIPMENT	Inv# 0011975978	haz.mtl, frt, fuel surcharge	\$59.12		
Total for Check:		804086				\$264.13	\$83,693.30
Run Date: 3/4/2025					\$3,533.33	\$3,533.33	

Orange County Water District

Check Register

Begin Date: 2025-02-27

End Date: 2025-03-05

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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
122228	2025-03-05	ACCUSTANDARD, INC.	Inv# 1020174	SHIPPING & HANDLING	\$130.51		
122228	2025-03-05	ACCUSTANDARD, INC.	Inv# 1020466	Lab supplies	\$408.70		
122228	2025-03-05	ACCUSTANDARD, INC.	Inv# 1020466	SHIPPING & HANDLING	\$35.76		
122228	2025-03-05	ACCUSTANDARD, INC.	Inv# 1020174	Lab Supplies	\$865.89		
Total for Check:		122228				\$1,440.86	\$11,286.33
122229	2025-03-05	AGILENT TECHNOLOGIES, INC.	Inv# 129471635		\$1,344.15		
122229	2025-03-05	AGILENT TECHNOLOGIES, INC.	Inv# 129471635		\$926.55		
122229	2025-03-05	AGILENT TECHNOLOGIES, INC.	Inv# 129480212	Lab supplies	\$818.50		
122229	2025-03-05	AGILENT TECHNOLOGIES, INC.	Inv# 129480212	SHIPPING & HANDLING	\$8.00		
122229	2025-03-05	AGILENT TECHNOLOGIES, INC.	Inv# 129487651	Lab supplies	\$336.27		
122229	2025-03-05	AGILENT TECHNOLOGIES, INC.	Inv# 129487651	SHIPPING & HANDLING	\$2.67		
Total for Check:		122229				\$3,436.14	\$172,670.75
122230	2025-03-05	AIR FILTER SUPPLY, INC	Inv# I722918	Generated by reorder 1/13/25 1	\$356.22		
122230	2025-03-05	AIR FILTER SUPPLY, INC	Inv# I722918	Generated by reorder 1/13/25 1	\$155.55		
Total for Check:		122230				\$511.77	\$969.75
122231	2025-03-05	ALTERNATIVE HOSE, INC.	Inv# 6106430	BPO HOSES	\$119.39		
122231	2025-03-05	ALTERNATIVE HOSE, INC.	Inv# 6106578	BPO HOSES	\$11.81		
Total for Check:		122231				\$131.20	\$3,513.77
122233	2025-03-05	AMAZON CAPITAL SERVICES, INC	Inv# 1GN9-13M6-3TH3	Supplies for new hire	\$27.18		
122233	2025-03-05	AMAZON CAPITAL SERVICES, INC	Inv# 1GN9-13M6-3TH3	Supplies for new hire	\$10.86		
122233	2025-03-05	AMAZON CAPITAL SERVICES, INC	Inv# 1GN9-13M6-3TH3	Supplies for new hire	\$7.60		
122233	2025-03-05	AMAZON CAPITAL SERVICES, INC	Inv# 1NTW-94PH-HDWP	CWEF - LAB PHUN W/WATER	\$162.03		
122233	2025-03-05	AMAZON CAPITAL SERVICES, INC	Inv# 1NTW-94PH-HDWP	CWEF - LAB PHUN W/WATER	\$74.05		
122233	2025-03-05	AMAZON CAPITAL SERVICES, INC	Inv# 1NTW-94PH-HDWP	CWEF - LAB PHUN W/WATER	\$19.55		
122233	2025-03-05	AMAZON CAPITAL SERVICES, INC	Inv# 1NTW-94PH-HDWP	CWEF - LAB PHUN W/WATER	\$10.36		
122233	2025-03-05	AMAZON CAPITAL SERVICES, INC	Inv# 1NTW-94PH-HDWP	CWEF - LAB PHUN W/WATER	\$6.96		
122233	2025-03-05	AMAZON CAPITAL SERVICES, INC	Inv# 1QDC-NGLP-PN3X	AMAZON PARTS	\$164.47		
122233	2025-03-05	AMAZON CAPITAL SERVICES, INC	Inv# 1XLH-TH4X-4RDX	Ergo	\$70.69		
122233	2025-03-05	AMAZON CAPITAL SERVICES, INC	Inv# 1XYD-GFLW-36MF	Ergo	\$83.63		
Total for Check:		122233				\$637.38	\$30,026.30
122234	2025-03-05	AMAZON WEB SERVICES INC	Inv# 2036210893	R&D CLOUD ACCOUNT	\$147.50		
Total for Check:		122234				\$147.50	\$2,110.56

Orange County Water District

Check Register

Begin Date: 2025-02-27

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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
122235	2025-03-05	ANIXTER INC	Inv# 18K752514	Generated by reorder 1/13/25 1	\$1,268.69		
122235	2025-03-05	ANIXTER INC	Inv# 18K752514		\$29.42		
		Total for Check:	122235			\$1,298.11	\$3,148.65
122236	2025-03-05	APEX ENVIRONMENTAL & WATER RESOURCES	Inv# 2408128	1605	\$4,944.00		
		Total for Check:	122236			\$4,944.00	\$99,859.00
122237	2025-03-05	ASSI SECURITY	Inv# SD21924	CCTV SERVICE AND PARTS	\$4,400.00		
		Total for Check:	122237			\$4,400.00	\$68,617.32
122238	2025-03-05	BAY ALARM COMPANY	Inv# 22008669	1529	\$1,185.19		
		Total for Check:	122238			\$1,185.19	\$11,833.99
122239	2025-03-05	BRENNTAG PACIFIC INC.	Inv# BPI498914	2/24 43720 lb citric acid	\$28,860.12		
122239	2025-03-05	BRENNTAG PACIFIC INC.	Inv# BPI498914	discount	(\$577.20)		
122239	2025-03-05	BRENNTAG PACIFIC INC.	Inv# BPI499658	discount	(\$543.93)		
122239	2025-03-05	BRENNTAG PACIFIC INC.	Inv# BPI499658	2/26 41200 lb citric acid	\$27,196.63		
		Total for Check:	122239			\$54,935.62	\$1,302,520.03
122240	2025-03-05	CALTROL INC.	Inv# CD99221217	AGREEMENT NO. 1701	\$18,040.54		
		Total for Check:	122240			\$18,040.54	\$77,706.32
122241	2025-03-05	DXP ENTERPRISES, INC.	Inv# 54934894	Generated by reorder 1/21/25 3	\$4,893.75		
122241	2025-03-05	DXP ENTERPRISES, INC.	Inv# 54934894	Freight out	\$376.07		
		Total for Check:	122241			\$5,269.82	\$267,399.82
122242	2025-03-05	COUNTY OF ORANGE	Inv# Z2555191	FE25-0012,0015,0018,0017 JDB	\$3,036.00		
		Total for Check:	122242			\$3,036.00	\$19,778.26
122243	2025-03-05	CPI INTERNATIONAL	Inv# 20068229	Lab supplies	\$1,109.25		
122243	2025-03-05	CPI INTERNATIONAL	Inv# 20068229	Discount	(\$20.40)		
		Total for Check:	122243			\$1,088.85	\$11,416.97
122244	2025-03-05	CRAFTURN, INC.	Inv# 1901		\$1,098.38		
		Total for Check:	122244			\$1,098.38	\$1,098.38
122245	2025-03-05	CWEA	Inv# RENEWAL J. PENNELLA 2025	memb renewal	\$239.00		
		Total for Check:	122245			\$239.00	\$4,871.00
122246	2025-03-05	CWEA	Inv# RENEWAL J. FURTADO	MEMB RENEWAL	\$239.00		
		Total for Check:	122246			\$239.00	\$4,871.00
122247	2025-03-05	ELEMENTAL SCIENTIFIC, INC	Inv# ESI179349	Lab supplies	\$2,131.50		
122247	2025-03-05	ELEMENTAL SCIENTIFIC, INC	Inv# ESI179349	Shipping	\$49.71		

Orange County Water District

Check Register

Begin Date: 2025-02-27

End Date: 2025-03-05

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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
Total for Check:		122247				\$2,181.21	\$4,622.31
122248	2025-03-05	ENDRESS + HAUSER, INC.	Inv# 6002658334		\$2,377.14		
122248	2025-03-05	ENDRESS + HAUSER, INC.	Inv# 6002658334		\$46.78		
Total for Check:		122248				\$2,423.92	\$23,081.81
122249	2025-03-05	ENGINEERING ANALYTICS, INC	Inv# 25-0079	thru 1/31 South Basin FS	\$108.15		
Total for Check:		122249				\$108.15	\$5,898.83
122250	2025-03-05	EVOQUA WATER TECHNOLOGIES, LLC	Inv# 906885460	Shipping Handling	\$13.90		
Total for Check:		122250				\$13.90	\$1,929,359.60
122251	2025-03-05	EXCELSIOR ELEVATOR	Inv# 36374	BPO ELEVATOR SERVICE	\$615.00		
122251	2025-03-05	EXCELSIOR ELEVATOR	Inv# 36374	Discount	(\$18.45)		
Total for Check:		122251				\$596.55	\$8,115.77
122252	2025-03-05	FACTORY MOTOR PARTS	Inv# 101-508872	INV 12-6379988	(\$226.87)		
122252	2025-03-05	FACTORY MOTOR PARTS	Inv# 12-6381360	Core Credit INV 164-383997	(\$190.40)		
122252	2025-03-05	FACTORY MOTOR PARTS	Inv# 12-6393666	BPO AUTO PARTS	\$48.94		
122252	2025-03-05	FACTORY MOTOR PARTS	Inv# 164-387187	BPO AUTO PARTS	\$217.72		
122252	2025-03-05	FACTORY MOTOR PARTS	Inv# 164-387196	BPO AUTO PARTS	\$264.28		
122252	2025-03-05	FACTORY MOTOR PARTS	Inv# 164-387244	Credit INV 164.383735	(\$217.72)		
122252	2025-03-05	FACTORY MOTOR PARTS	Inv# 21-2990701	Generated by reorder 1/29/25 1	\$56.35		
122252	2025-03-05	FACTORY MOTOR PARTS	Inv# 21-2990701	Generated by reorder 1/29/25 1	\$54.26		
122252	2025-03-05	FACTORY MOTOR PARTS	Inv# 21-2990701		\$11.80		
Total for Check:		122252				\$18.36	\$11,905.69
122253	2025-03-05	FERGUSON WATERWORKS #1083	Inv# 5139084		\$1,040.43		
Total for Check:		122253				\$1,040.43	\$7,657.78
122254	2025-03-05	FISHER SCIENTIFIC CO.	Inv# 8291329	Lab Supplies	\$1,028.69		
122254	2025-03-05	FISHER SCIENTIFIC CO.	Inv# 8291330	Generated by reorder 1/9/25 8:	\$910.85		
122254	2025-03-05	FISHER SCIENTIFIC CO.	Inv# 8357081	Generated by reorder 12/31/24	\$950.01		
122254	2025-03-05	FISHER SCIENTIFIC CO.	Inv# 8357082	Lab supplies	\$77.45		
122254	2025-03-05	FISHER SCIENTIFIC CO.	Inv# 8357083		\$66.53		
122254	2025-03-05	FISHER SCIENTIFIC CO.	Inv# 8357085		\$78.23		
122254	2025-03-05	FISHER SCIENTIFIC CO.	Inv# 8390320	Lab supplies	\$4.93		
Total for Check:		122254				\$3,116.69	\$186,204.30

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122255	2025-03-05	FRONTIER COMMUNICATIONS	Inv# 209-150-2229_20250216 03/15/2025	02/16/2025 to	\$80.49		
Total for Check: 122255						\$80.49	\$42,810.22
122256	2025-03-05	FRUIT GROWERS LABORATORY INC	Inv# 500458A	BPO RADIOACTIVITY ANAYLSIS	\$63.00		
122256	2025-03-05	FRUIT GROWERS LABORATORY INC	Inv# 500459A	BPO RADIOACTIVITY ANAYLSIS	\$63.00		
122256	2025-03-05	FRUIT GROWERS LABORATORY INC	Inv# 500460A	BPO RADIOACTIVITY ANAYLSIS	\$63.00		
122256	2025-03-05	FRUIT GROWERS LABORATORY INC	Inv# 500737A	BPO RADIOACTIVITY ANAYLSIS	\$103.00		
Total for Check: 122256						\$292.00	\$24,137.00
122259	2025-03-05	GRAINGER INC.	Inv# 9392987740	Generated by reorder 1/23/25 2	\$1,710.40		
122259	2025-03-05	GRAINGER INC.	Inv# 9394753165	Generated by reorder 1/28/25 1	\$1,056.12		
122259	2025-03-05	GRAINGER INC.	Inv# 9394753165	Generated by reorder 1/28/25 1	\$490.25		
122259	2025-03-05	GRAINGER INC.	Inv# 9394753165	Generated by reorder 1/28/25 1	\$322.27		
122259	2025-03-05	GRAINGER INC.	Inv# 9394753165	Generated by reorder 1/28/25 1	\$181.52		
122259	2025-03-05	GRAINGER INC.	Inv# 9394753165	Generated by reorder 1/28/25 1	\$110.14		
122259	2025-03-05	GRAINGER INC.	Inv# 9394753165	Generated by reorder 1/28/25 1	\$37.45		
122259	2025-03-05	GRAINGER INC.	Inv# 9394753165	Generated by reorder 1/28/25 1	\$37.00		
122259	2025-03-05	GRAINGER INC.	Inv# 9394753165	Generated by reorder 1/28/25 1	\$20.74		
122259	2025-03-05	GRAINGER INC.	Inv# 9395665764	Generated by reorder 1/29/25 1	\$176.58		
122259	2025-03-05	GRAINGER INC.	Inv# 9395665764	Generated by reorder 1/29/25 1	\$70.68		
122259	2025-03-05	GRAINGER INC.	Inv# 9395665764	Generated by reorder 1/29/25 1	\$38.57		
122259	2025-03-05	GRAINGER INC.	Inv# 9395665764	Generated by reorder 1/29/25 1	\$21.36		
122259	2025-03-05	GRAINGER INC.	Inv# 9395665764	Generated by reorder 1/29/25 1	\$14.18		
122259	2025-03-05	GRAINGER INC.	Inv# 9395665764	Generated by reorder 1/29/25 1	\$14.18		
122259	2025-03-05	GRAINGER INC.	Inv# 9396135445	Generated by reorder 1/28/25 1	\$1,772.61		
122259	2025-03-05	GRAINGER INC.	Inv# 9396135445	Generated by reorder 1/28/25 1	\$553.71		
122259	2025-03-05	GRAINGER INC.	Inv# 9396135445	Generated by reorder 1/28/25 1	\$348.83		
122259	2025-03-05	GRAINGER INC.	Inv# 9396135445	Generated by reorder 1/28/25 1	\$288.19		
122259	2025-03-05	GRAINGER INC.	Inv# 9396135445	Generated by reorder 1/28/25 1	\$248.65		
122259	2025-03-05	GRAINGER INC.	Inv# 9396135445	Generated by reorder 1/28/25 1	\$171.74		
122259	2025-03-05	GRAINGER INC.	Inv# 9396407703	BPO INDUSTRIAL SUPPLIES	\$177.89		

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122259	2025-03-05	GRAINGER INC.	Inv# 9396411325	BPO INDUSTRIAL SUPPLIES	\$159.50		
122259	2025-03-05	GRAINGER INC.	Inv# 9396614662	BPO INDUSTRIAL SUPPLIES	\$45.91		
122259	2025-03-05	GRAINGER INC.	Inv# 9396135445	Generated by reorder 1/28/25 1	\$99.51		
122259	2025-03-05	GRAINGER INC.	Inv# 9396135445	Generated by reorder 1/28/25 1	\$151.47		
Total for Check:		122259				\$8,319.45	\$140,140.75
122260	2025-03-05	GREAT WESTERN SANITARY SUPPLIES	Inv# 009332	Generated by reorder 2/12/25 2	\$432.28		
122260	2025-03-05	GREAT WESTERN SANITARY SUPPLIES	Inv# 009332	Discount	(\$4.33)		
122260	2025-03-05	GREAT WESTERN SANITARY SUPPLIES	Inv# 009332-01	Generated by reorder 2/12/25 2	\$709.92		
122260	2025-03-05	GREAT WESTERN SANITARY SUPPLIES	Inv# 009332-01	Discount	(\$7.10)		
Total for Check:		122260				\$1,130.77	\$1,130.77
122261	2025-03-05	HARWIL CORPORATION	Inv# 1N241658	Generated by reorder 12/10/24	\$853.23		
122261	2025-03-05	HARWIL CORPORATION	Inv# 1N241658	UPS	\$20.30		
Total for Check:		122261				\$873.53	\$873.53
122262	2025-03-05	HOME DEPOT CREDIT SERVICES	Inv# 0526772	BPO INDUSTRIAL SUPPLIES	\$46.18		
122262	2025-03-05	HOME DEPOT CREDIT SERVICES	Inv# 3350917	BPO INDUSTRIAL SUPPLIES	\$174.39		
122262	2025-03-05	HOME DEPOT CREDIT SERVICES	Inv# 4511036	BPO INDUSTRIAL SUPPLIES	\$25.27		
122262	2025-03-05	HOME DEPOT CREDIT SERVICES	Inv# 5510825	BPO INDUSTRIAL SUPPLIES	\$16.96		
122262	2025-03-05	HOME DEPOT CREDIT SERVICES	Inv# 6083334	BPO INDUSTRIAL SUPPLIES	\$65.74		
122262	2025-03-05	HOME DEPOT CREDIT SERVICES	Inv# 6626956	BPO INDUSTRIAL SUPPLIES	\$46.12		
122262	2025-03-05	HOME DEPOT CREDIT SERVICES	Inv# 7024063	BPO INDUSTRIAL SUPPLIES	\$197.47		
122262	2025-03-05	HOME DEPOT CREDIT SERVICES	Inv# 8823098	BPO INDUSTRIAL SUPPLIES	\$104.84		
122262	2025-03-05	HOME DEPOT CREDIT SERVICES	Inv# 9538476	BPO INDUSTRIAL SUPPLIES	\$172.68		
122262	2025-03-05	HOME DEPOT CREDIT SERVICES	Inv# 9618318	BPO INDUSTRIAL SUPPLIES	\$7.52		
Total for Check:		122262				\$857.17	\$27,602.43
122263	2025-03-05	IN-SITU INC.	Inv# INV113866		\$4,469.63		
122263	2025-03-05	IN-SITU INC.	Inv# INV113866		\$145.00		
Total for Check:		122263				\$4,614.63	\$12,504.50
122264	2025-03-05	IRVINE PIPE & SUPPLY CO	Inv# S120105540.001	BPO PIPE SUPPLIES	\$179.75		
122264	2025-03-05	IRVINE PIPE & SUPPLY CO	Inv# S120105540.001		(\$3.29)		
Total for Check:		122264				\$176.46	\$44,179.94

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122265	2025-03-05	JUNG, FRED	Inv# IPAD REIMBURSEMENT Agenda	reimb/online Board	\$702.00		
		Total for Check:	122265			\$702.00	\$702.00
122266	2025-03-05	KENNEDY/JENKS CONSULTANTS, INC.	Inv# 177674	thru 1/24 PFAS Orange 31 wo#2	\$20,010.00		
		Total for Check:	122266			\$20,010.00	\$383,313.00
122267	2025-03-05	LHOIST NORTH AMERICA	Inv# 1102502455	2/6 lime(2) 25.34 & 25.27 tons	\$22,681.38		
		Total for Check:	122267			\$22,681.38	\$1,192,325.42
122268	2025-03-05	MCFADDEN-DALE HARDWARE CO.	Inv# 570322/5	BPO INDUSTRIAL SUPPLIES	\$353.31		
122268	2025-03-05	MCFADDEN-DALE HARDWARE CO.	Inv# 570322/5		(\$9.84)		
		Total for Check:	122268			\$343.47	\$4,348.51
122269	2025-03-05	MKN	Inv# 001050002225	thru 1/31 Anaheim valve	\$18,716.05		
		Total for Check:	122269			\$18,716.05	\$18,716.05
122270	2025-03-05	Mang, Alec	Inv# FEB 4-6, 2025 TRAVEL Soci	2/4- Visalia The Wildlife	\$342.88		
		Total for Check:	122270			\$342.88	\$342.88
122271	2025-03-05	NAPA AUTO PARTS	Inv# 146456		(\$0.71)		
122271	2025-03-05	NAPA AUTO PARTS	Inv# 146456	BPO TRUCK PARTS	\$35.62		
		Total for Check:	122271			\$34.91	\$14,156.87
122272	2025-03-05	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 739507	Credit for INV#738141	(\$20.65)		
122272	2025-03-05	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 743001	BPO AUTO PARTS	\$69.60		
122272	2025-03-05	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 743001	Discount	(\$1.40)		
122272	2025-03-05	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 743210	BPO AUTO PARTS	\$61.68		
122272	2025-03-05	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 743210	Discount	(\$1.24)		
		Total for Check:	122272			\$107.99	\$2,451.55
122273	2025-03-05	ONESOURCE DISTRIBUTORS INC.	Inv# S007812657.001	Generated by reorder 2/13/25 8	\$560.71		
122273	2025-03-05	ONESOURCE DISTRIBUTORS INC.	Inv# S007812657.001	Generated by reorder 2/13/25 8	\$232.08		
122273	2025-03-05	ONESOURCE DISTRIBUTORS INC.	Inv# S007812657.001	S&H	\$13.63		
122273	2025-03-05	ONESOURCE DISTRIBUTORS INC.	Inv# S007812657.001		(\$7.29)		
122273	2025-03-05	ONESOURCE DISTRIBUTORS INC.	Inv# S007812657.002	Generated by reorder 2/13/25 8	\$796.82		

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122273	2025-03-05	ONESOURCE DISTRIBUTORS INC.	Inv# S007812657.002		\$13.63		
122273	2025-03-05	ONESOURCE DISTRIBUTORS INC.	Inv# S007812657.002		(\$7.33)		
Total for Check:		122273				\$1,602.25	\$125,737.34
122274	2025-03-05	ORANGE COUNTY CONSERVATION CORPS	Inv# 02032025-OCWDADOPT removal	Jan25 graffiti-trash	\$2,798.33		
Total for Check:		122274				\$2,798.33	\$25,184.97
122275	2025-03-05	ORANGE COUNTY EMPLOYEE ASSOCIATION	Inv# OCEAFEB2025	OCEA DUES Feb2025	\$2,910.60		
Total for Check:		122275				\$2,910.60	\$27,073.20
122276	2025-03-05	PACIFIC MECHANICAL SUPPLY	Inv# 5386184	Generated by reorder 1/9/25 10	\$7,586.51		
122276	2025-03-05	PACIFIC MECHANICAL SUPPLY	Inv# 5386184	Discount	(\$69.76)		
Total for Check:		122276				\$7,516.75	\$22,969.61
122277	2025-03-05	PHENOMENEX INC.	Inv# CIUS-25012204	Lab supplies	\$1,095.11		
122277	2025-03-05	PHENOMENEX INC.	Inv# CIUS-25012204		\$45.40		
122277	2025-03-05	PHENOMENEX INC.	Inv# CIUS-25012204		(\$20.97)		
122277	2025-03-05	PHENOMENEX INC.	Inv# CIUS-25012424	Lab supplies	\$4,002.00		
122277	2025-03-05	PHENOMENEX INC.	Inv# CIUS-25012424		\$59.40		
122277	2025-03-05	PHENOMENEX INC.	Inv# CIUS-25012424		(\$74.69)		
Total for Check:		122277				\$5,106.25	\$63,249.76
122278	2025-03-05	PHENOVA INC	Inv# 212701	Lab supplies	\$182.70		
122278	2025-03-05	PHENOVA INC	Inv# 212701	Frt&Handling	\$58.73		
122278	2025-03-05	PHENOVA INC	Inv# 212762	Lab Standards	\$214.89		
122278	2025-03-05	PHENOVA INC	Inv# 212762	Lab Standards	\$189.44		
122278	2025-03-05	PHENOVA INC	Inv# 212762	Frt&Handling	\$54.19		
Total for Check:		122278				\$699.95	\$13,515.96
122279	2025-03-05	PLATINUM COMPUTER SUPPORT	Inv# 25748		\$2,459.11		
122279	2025-03-05	PLATINUM COMPUTER SUPPORT	Inv# 25749		\$958.36		
122279	2025-03-05	PLATINUM COMPUTER SUPPORT	Inv# 25749		\$958.36		
122279	2025-03-05	PLATINUM COMPUTER SUPPORT	Inv# 25749		\$571.48		
122279	2025-03-05	PLATINUM COMPUTER SUPPORT	Inv# 25749		\$480.40		
122279	2025-03-05	PLATINUM COMPUTER SUPPORT	Inv# 25749		\$438.26		
122279	2025-03-05	PLATINUM COMPUTER SUPPORT	Inv# 25749		\$295.26		
122279	2025-03-05	PLATINUM COMPUTER SUPPORT	Inv# 25749		\$238.71		

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Total for Check:		122279				\$6,399.94	\$24,456.66
122280	2025-03-05	QUINN COMPANY	Inv# PC830431142		\$741.15		
122280	2025-03-05	QUINN COMPANY	Inv# PC830431142		\$67.20		
122280	2025-03-05	QUINN COMPANY	Inv# PC830431142		\$38.85		
122280	2025-03-05	QUINN COMPANY	Inv# PC830431142		\$25.55		
122280	2025-03-05	QUINN COMPANY	Inv# PC830431142		\$17.97		
Total for Check:		122280				\$890.72	\$81,603.94
122281	2025-03-05	RADWELL INTERNATIONAL INC.	Inv# 35110386		\$767.19		
Total for Check:		122281				\$767.19	\$30,698.08
122282	2025-03-05	RED WING SHOE CO. INC.	Inv# 793-1-66006	BPO WORK BOOTS	\$200.00		
122282	2025-03-05	RED WING SHOE CO. INC.	Inv# 855-1-55264	BPO WORK BOOTS	\$200.00		
Total for Check:		122282				\$400.00	\$8,670.58
122283	2025-03-05	RESTEK CORPORATION	Inv# CD50509456	Lab supplies	\$1,144.88		
122283	2025-03-05	RESTEK CORPORATION	Inv# CD50509456		\$38.00		
122283	2025-03-05	RESTEK CORPORATION	Inv# CD50509456	Discount	(\$23.66)		
Total for Check:		122283				\$1,159.22	\$10,679.14
122284	2025-03-05	INTERSTATE BILLING SERVICE, INC.	Inv# 3040732906	BPO TRUCK PARTS	\$208.76		
Total for Check:		122284				\$208.76	\$2,972.55
122285	2025-03-05	SALCO DYNAMIC SOLUTIONS INC.	Inv# 117340	Generated by reorder 2/3/25 7:	\$962.24		
122285	2025-03-05	SALCO DYNAMIC SOLUTIONS INC.	Inv# 117340	Generated by reorder 2/3/25 7:	\$54.10		
122285	2025-03-05	SALCO DYNAMIC SOLUTIONS INC.	Inv# 117340	Envr Fee	\$7.75		
122285	2025-03-05	SALCO DYNAMIC SOLUTIONS INC.	Inv# 117340	Discount	(\$18.85)		
Total for Check:		122285				\$1,005.24	\$13,681.58
122286	2025-03-05	SCHEEVEL ENGINEERING, LLC	Inv# 1633	Jan25 agmt 1607 Prado sediment	\$6,900.00		
Total for Check:		122286				\$6,900.00	\$170,400.00
122287	2025-03-05	SEAL ANALYTICAL	Inv# 67375	Lab supplies	\$464.91		
122287	2025-03-05	SEAL ANALYTICAL	Inv# 67375	Lab supplies	\$378.45		
122287	2025-03-05	SEAL ANALYTICAL	Inv# 67375	Lab supplies	\$312.22		
122287	2025-03-05	SEAL ANALYTICAL	Inv# 67375	Lab supplies	\$224.02		
122287	2025-03-05	SEAL ANALYTICAL	Inv# 67375	Lab supplies	\$189.88		
122287	2025-03-05	SEAL ANALYTICAL	Inv# 67375	Lab supplies	\$127.24		
122287	2025-03-05	SEAL ANALYTICAL	Inv# 67375	Shipping	\$50.00		

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Total for Check:		122287				\$1,746.72	\$14,978.78
122288	2025-03-05	SEPARATION PROCESSES, INC.	Inv# 11438	Jan25 Ops support	\$6,518.44		
Total for Check:		122288				\$6,518.44	\$92,783.48
122289	2025-03-05	SITEONE LANDSCAPE SUPPLY	Inv# 150088159-001	BPO LANDSCAPE SUPPLIES	\$131.15		
122289	2025-03-05	SITEONE LANDSCAPE SUPPLY	Inv# 150088159-001	Discount	(\$2.40)		
Total for Check:		122289				\$128.75	\$1,868.85
122290	2025-03-05	SOUTHERN CALIFORNIA EDISON CO.	Inv# 700546365072_20250227		\$31,229.16		
Total for Check:		122290				\$31,229.16	\$6,091,245.90
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040751	RO: A-74 TIREST-161 TIRE RICHI	\$319.73		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040751	RO: A-74 TIREST-161 TIRE RICHI	\$40.00		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040751	RO: A-74 TIREST-161 TIRE RICHI	\$3.50		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040751	RO: A-74 TIREST-161 TIRE RICHI	\$10.00		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040808	RO: A-74 TIREST-161 TIRE RICHI	\$474.15		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040808	RO: A-74 TIREST-161 TIRE RICHI	\$100.00		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040808	RO: A-74 TIREST-161 TIRE RICHI	\$34.80		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040808	RO: A-74 TIREST-161 TIRE RICHI	\$10.00		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040808	RO: A-74 TIREST-161 TIRE RICHI	\$5.44		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040808	RO: A-74 TIREST-161 TIRE RICHI	\$3.50		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040813	RO: A-74 TIREST-161 TIRE RICHI	\$456.75		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040813	RO: A-74 TIREST-161 TIRE RICHI	\$228.37		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040813	RO: A-74 TIREST-161 TIRE RICHI	\$90.00		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040813	RO: A-74 TIREST-161 TIRE RICHI	\$45.00		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040813	RO: A-74 TIREST-161 TIRE RICHI	\$30.07		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040813	RO: A-74 TIREST-161 TIRE RICHI	\$15.75		
122292	2025-03-05	SOUTHERN TIRE MART LLC	Inv# 7090040813	RO: A-74 TIREST-161 TIRE RICHI	\$8.60		
Total for Check:		122292				\$1,875.66	\$5,883.59
122293	2025-03-05	SPARKLETTS DS WATER OF AMERICA LP	Inv# 4076005 021525	BPO WATER DELIVERY	\$290.29		
122293	2025-03-05	SPARKLETTS DS WATER OF AMERICA LP	Inv# 4076005 021525	BPO WATER DELIVERY	\$282.31		
122293	2025-03-05	SPARKLETTS DS WATER OF AMERICA LP	Inv# 4076005 021525	BPO WATER DELIVERY	\$17.96		

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
122293	2025-03-05	SPARKLETTS DS WATER OF AMERICA LP	Inv# 6144555 021425	BPO WATER DELIVERY	\$37.97		
122293	2025-03-05	SPARKLETTS DS WATER OF AMERICA LP	Inv# 6144555 021425	BPO WATER DELIVERY	\$9.00		
Total for Check: 122293						\$637.53	\$7,590.86
122294	2025-03-05	STAPLES ADVANTAGE	Inv# 6023692210		\$19.67		
122294	2025-03-05	STAPLES ADVANTAGE	Inv# 6023692211		\$35.43		
122294	2025-03-05	STAPLES ADVANTAGE	Inv# 6023692211		\$35.20		
Total for Check: 122294						\$90.30	\$11,458.52
122295	2025-03-05	SUPERIOR SWEEPING LTD.	Inv# 377-0225	BPO STREET SWEEPING	\$450.00		
Total for Check: 122295						\$450.00	\$4,072.00
122296	2025-03-05	Simala, Danny	Inv# MARCH24-FEB25 PHONE STIPE	3/9/24-2/8/25	\$440.00		
			phone stipends				
Total for Check: 122296						\$440.00	\$440.00
122297	2025-03-05	T-MOBILE	Inv# 200737250_20250222	01/21/2025 - 02/20/2025	\$34.93		
Total for Check: 122297						\$34.93	\$208.20
122298	2025-03-05	T.E ROBERTS, INC.	Inv# 5685 1610		\$327,973.21		
Total for Check: 122298						\$327,973.21	\$458,951.19
122299	2025-03-05	TETRA TECH, INC.	Inv# 52370622	thru 12/27 PFAS Orange 28 wo#7	\$23,457.33		
122299	2025-03-05	TETRA TECH, INC.	Inv# 52370622	thru 12/27 PFAS Orange 28 wo#7	\$782.30		
Total for Check: 122299						\$24,239.63	\$734,513.51
122300	2025-03-05	TOM'S TRUCK CENTER, INC	Inv# 1358892	Freight	\$20.00		
122300	2025-03-05	TOM'S TRUCK CENTER, INC	Inv# 1358892	BPO FORD PARTS	\$11.72		
Total for Check: 122300						\$31.72	\$3,123.61
122301	2025-03-05	UNIFIRST CORPORATION	Inv# 2190297922	1557	\$54.25		
122301	2025-03-05	UNIFIRST CORPORATION	Inv# 2190297923	1557	\$16.77		
122301	2025-03-05	UNIFIRST CORPORATION	Inv# 2190297924	1557	\$267.66		
122301	2025-03-05	UNIFIRST CORPORATION	Inv# 2190297925	1557	\$10.78		
122301	2025-03-05	UNIFIRST CORPORATION	Inv# 2190297926	1557	\$446.06		
122301	2025-03-05	UNIFIRST CORPORATION	Inv# 2190297927	1557	\$118.80		
122301	2025-03-05	UNIFIRST CORPORATION	Inv# 2190297928	1557	\$22.22		
122301	2025-03-05	UNIFIRST CORPORATION	Inv# 2200228999	1557	\$49.86		
Total for Check: 122301						\$986.40	\$42,084.22

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122302	2025-03-05	UNITED PARCEL SERVICE	Inv# 0000X81601095_20250301		\$17.91		
Total for Check:		122302				\$17.91	\$4,135.48
122303	2025-03-05	UNIVAR SOLUTIONS USA	Inv# 52818396	2/26 260 gal s.bisulfite	\$534.40		
122303	2025-03-05	UNIVAR SOLUTIONS USA	Inv# 52818396	discount	(\$10.69)		
122303	2025-03-05	UNIVAR SOLUTIONS USA	Inv# 52821752	2/26 24.353 ton sulfuric acid	\$5,747.31		
122303	2025-03-05	UNIVAR SOLUTIONS USA	Inv# 52821752	discount	(\$114.95)		
122303	2025-03-05	UNIVAR SOLUTIONS USA	Inv# 52821753	2/26 24.241 ton sulfuric acid	\$5,720.88		
122303	2025-03-05	UNIVAR SOLUTIONS USA	Inv# 52821753	discount	(\$114.42)		
Total for Check:		122303				\$11,762.53	\$306,562.91
122304	2025-03-05	UTILIQUEST LLC	Inv# 340484-Q	1/26-2/1 screen/mark pipes	\$1,063.14		
122304	2025-03-05	UTILIQUEST LLC	Inv# 340484-Q	1/26-2/1 screen/mark pipes	\$620.16		
122304	2025-03-05	UTILIQUEST LLC	Inv# 340484-Q	1/26-2/1 screen/mark pipes	\$76.01		
122304	2025-03-05	UTILIQUEST LLC	Inv# 340484-Q	1/26-2/1 screen/mark pipes	\$12.58		
Total for Check:		122304				\$1,771.89	\$69,009.09
122305	2025-03-05	VERIZON WIRELESS	Inv# 6106246829	01/17/2025 - 02/16/2025	\$2,362.64		
Total for Check:		122305				\$2,362.64	\$22,636.75
122306	2025-03-05	VWR INTERNATIONAL LLC	Inv# 8818192402		\$204.75		
122306	2025-03-05	VWR INTERNATIONAL LLC	Inv# 8818205468	Lab supplies	\$30.48		
122306	2025-03-05	VWR INTERNATIONAL LLC	Inv# 8818210382		\$4,562.28		
Total for Check:		122306				\$4,797.51	\$65,743.75
122307	2025-03-05	WALTERS WHOLESALE ELECTRIC CO.	Inv# S127402286.001	BPO ELECTRONIC SUPPLIES	\$229.76		
122307	2025-03-05	WALTERS WHOLESALE ELECTRIC CO.	Inv# S127402286.001	Discount	(\$4.06)		
Total for Check:		122307				\$225.70	\$9,481.88
122308	2025-03-05	WATER DISTRICT JOBS	Inv# 1062502	Job Advertising	\$145.00		
122308	2025-03-05	WATER DISTRICT JOBS	Inv# 1382501	Employment Advertising	\$145.00		
Total for Check:		122308				\$290.00	\$870.00
122309	2025-03-05	YSI INCORPORATED	Inv# 1121262	Generated by reorder 1/29/25 1	\$5,387.50		
122309	2025-03-05	YSI INCORPORATED	Inv# 1121262	Shipping Handling	\$16.38		
Total for Check:		122309				\$5,403.88	\$28,949.42
122310	2025-03-05	ZARETSKY ENGINEERING SOLUTIONS	Inv# 3935	Zaretsky Engineering Troublesh	\$750.00		

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122310	2025-03-05	ZARETSKY ENGINEERING SOLUTIONS	Inv# 3935	Discount	(\$7.50)		
Total for Check: 122310						\$742.50	\$27,288.73
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962065	2/17 4947 gal hypochlorite	\$8,518.24		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962065	CA mill	\$208.70		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962065	discount	(\$170.36)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962066	2/17 4911 gal hypochlorite	\$8,456.25		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962066	CA mill	\$207.18		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962066	discount	(\$169.12)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962067	2/17 4725 gal hypochlorite	\$8,135.98		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962067	CA mill	\$199.33		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962067	discount	(\$162.72)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962068	2/17 4855 gal hypochlorite	\$8,359.82		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962068	CA mill	\$204.82		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962068	discount	(\$167.20)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962178	2/18 4891 gal hypochlorite	\$8,421.81		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962178	CA mill	\$206.33		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962178	discount	(\$168.44)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962179	2/18 4846 gal hypochlorite	\$8,344.33		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962179	CA mill	\$204.44		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962179	discount	(\$166.89)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962180	2/18 4889 gal hypochlorite	\$8,418.37		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962180	CA mill	\$206.25		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962180	discount	(\$168.37)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962181	2/18 4814 gal hypochlorite	\$8,289.23		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962181	CA mill	\$203.09		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962181	discount	(\$165.78)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962387	2/20 4861 gal hypochlorite	\$8,370.16		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962387	CA mill	\$205.07		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962387	discount	(\$167.40)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962388	2/20 4836 gal hypochlorite	\$8,327.11		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962388	CA mill	\$204.01		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962388	discount	(\$166.54)		

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978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962389	2/20 5077 gal hypochlorite	\$8,742.09		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962389	CA mill	\$214.18		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962389	discount	(\$174.84)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962390	2/20 4857 gal hypochlorite	\$8,363.27		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962390	discount	(\$167.27)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962505	2/21 4863 gal hypochlorite	\$8,373.60		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962505	CA mill	\$205.15		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962505	discount	(\$167.47)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962506	2/21 4830 gal hypochlorite	\$8,316.78		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962506	CA mill	\$203.76		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962506	discount	(\$166.34)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962524	2/21 4929 gal hypochlorite	\$8,487.25		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962524	CA mill	\$207.94		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962524	discount	(\$169.74)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962525	2/21 4842 gal hypochlorite	\$8,337.44		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962525	CA mill	\$204.27		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962525	discount	(\$166.75)		
978691	2025-02-27	JCI JONES CHEMICAL, INC	Inv# 962390	CA mill	\$204.90		
Total for Check:		978691				\$134,865.92	\$3,747,294.71
978692	2025-02-28	WELLS FARGO BANK	Inv# MARCH 3, 2025 ID6911	Dir PR03 Mar.03.25	\$16,255.46		
Total for Check:		978692				\$16,255.46	\$18,283,346.26
978693	2025-03-03	FIDELITY INVESTMENTS	Inv# MARCH 3, 2025 401A	Dir PR03 Mar.3.25	\$6,081.35		
Total for Check:		978693				\$6,081.35	\$4,608,040.50
978694	2025-03-03	FIDELITY INVESTMENTS	Inv# MARCH 3,2025 457B	Dir PR03 Mar.3,25	\$5,982.55		
Total for Check:		978694				\$5,982.55	\$1,945,594.11
978695	2025-03-04	WELLS FARGO BANK	Inv# MARCH 5, 2025 ID6527	PR05 Mar.5,25 ID6527	\$33,553.23		
Total for Check:		978695				\$33,553.23	\$18,283,346.26
978696	2025-03-04	WELLS FARGO BANK	Inv# MARCH 5, 2025 ID6911	PR05 Mar.5,25 ID6911	\$977,492.20		
Total for Check:		978696				\$977,492.20	\$18,283,346.26
978697	2025-03-04	WELLS FARGO BANK	Inv# MARCH 5,2025 GARNABF GarnABF	PR05 Mar.05,2025	\$1,985.54		
Total for Check:		978697				\$1,985.54	\$18,283,346.26

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978698	2025-03-04	WELLS FARGO BANK	Inv# MARCH 5, 2025 GARNCREG GARNCREG	PR05 Mar.5,2025	\$351.80		
Total for Check:		978698				\$351.80	\$18,283,346.26
978699	2025-03-05	FIDELITY INVESTMENTS	Inv# MARCH 5, 2025 401A	Plan 89137	\$254,917.35		
Total for Check:		978699				\$254,917.35	\$4,608,040.50
978700	2025-03-05	FIDELITY INVESTMENTS	Inv# MARCH 5, 2025 457B	Plan 89148	\$103,112.48		
Total for Check:		978700				\$103,112.48	\$1,945,594.11
978701	2025-03-05	U.S. BANK NA	Inv# COP 2003A INT 02.05-03.04		\$167,550.27		
Total for Check:		978701				\$167,550.27	\$19,684,356.32
978702	2025-03-05	CITIBANK NA NEW YORK, ABA	Inv# 2007BSWAP PMT 02.05-03.05		\$15,132.34		
Total for Check:		978702				\$15,132.34	\$148,383.61
Run Date:					3/5/2025	\$2,370,264.45	\$2,370,264.45

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804087	2025-03-12	ALTA FOODCRAFT	Inv# 12508002	BPO FIRST AID & COFFEE	\$591.49		
804087	2025-03-12	ALTA FOODCRAFT	Inv# 12508195	BPO FIRST AID & COFFEE	\$1,038.07		
Total for Check:		804087				\$1,629.56	\$15,212.67
804088	2025-03-12	IRON MOUNTAIN	Inv# 202974055	BPO ARCHIVAL SERVICES	\$164.32		
804088	2025-03-12	IRON MOUNTAIN	Inv# KGBT437	BPO ARCHIVAL SERVICES	\$4,718.40		
Total for Check:		804088				\$4,882.72	\$44,964.75
804089	2025-03-12	THERMO ELECTRON NORTH AMERICA LLC	Inv# 9021535654		\$1,321.31		
Total for Check:		804089				\$1,321.31	\$46,703.80
804090	2025-03-12	WECK LABORATORIES, INC.	Inv# W5B0570	BPO WATER ANALYSIS	\$130.00		
804090	2025-03-12	WECK LABORATORIES, INC.	Inv# W5B0571	BPO WATER ANALYSIS	\$130.00		
804090	2025-03-12	WECK LABORATORIES, INC.	Inv# W5B0572	BPO WATER ANALYSIS	\$130.00		
Total for Check:		804090				\$390.00	\$24,868.00
804091	2025-03-12	WESTAIR GASES & EQUIPMENT	Inv# 0011977857	propane	\$69.30		
804091	2025-03-12	WESTAIR GASES & EQUIPMENT	Inv# 0011977857	haz.mtl, COC cylinder maint	\$28.97		
804091	2025-03-12	WESTAIR GASES & EQUIPMENT	Inv# 0011979013	nitrogen	\$220.04		
804091	2025-03-12	WESTAIR GASES & EQUIPMENT	Inv# 0011979013	haz.mtl, frt, fuel surcharge	\$59.12		
Total for Check:		804091				\$377.43	\$84,070.73
Run Date: 3/12/2025					\$8,601.02	\$8,601.02	

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122311	2025-03-12	ABSOLUTE STANDARDS, INC.	Inv# 244380		\$15.00		
122311	2025-03-12	ABSOLUTE STANDARDS, INC.	Inv# 244380	Lab supplies	\$170.00		
Total for Check:		122311				\$185.00	\$6,528.50
122312	2025-03-12	ACCUSTANDARD, INC.	Inv# 1020928	Lab supplies	\$82.45		
122312	2025-03-12	ACCUSTANDARD, INC.	Inv# 1020928	SHIPPING & HANDLING	\$29.36		
Total for Check:		122312				\$111.81	\$11,398.14
122313	2025-03-12	ACWA JPIA	Inv# 705342	Health Insurance Apr2025	\$551,686.57		
Total for Check:		122313				\$551,686.57	\$6,302,611.46
122314	2025-03-12	AGILENT TECHNOLOGIES, INC.	Inv# 129497746	Lab supplies	\$97.85		
122314	2025-03-12	AGILENT TECHNOLOGIES, INC.	Inv# 129497746	SHIPPING & HANDLING	\$5.33		
Total for Check:		122314				\$103.18	\$172,773.93
122316	2025-03-12	ALLISON MECHANICAL, INC.	Inv# 87845	Chiller #2 at Lab Troubleshoot	\$830.00		
122316	2025-03-12	ALLISON MECHANICAL, INC.	Inv# 87845	Chiller #2 at Lab Troubleshoot	\$415.00		
122316	2025-03-12	ALLISON MECHANICAL, INC.	Inv# 87845	Chiller #2 at Lab Troubleshoot	\$270.00		
122316	2025-03-12	ALLISON MECHANICAL, INC.	Inv# 87845	Chiller #2 at Lab Troubleshoot	\$48.94		
122316	2025-03-12	ALLISON MECHANICAL, INC.	Inv# 87845	Chiller #2 at Lab Troubleshoot	\$25.00		
122316	2025-03-12	ALLISON MECHANICAL, INC.	Inv# 87955	AC-3 field service call	\$2,063.45		
122316	2025-03-12	ALLISON MECHANICAL, INC.	Inv# 87955	AC-3 field service call	\$664.00		
122316	2025-03-12	ALLISON MECHANICAL, INC.	Inv# 87955	AC-3 field service call	\$581.00		
122316	2025-03-12	ALLISON MECHANICAL, INC.	Inv# 87955	AC-3 field service call	\$270.00		
122316	2025-03-12	ALLISON MECHANICAL, INC.	Inv# 87955	AC-3 field service call	\$135.00		
122316	2025-03-12	ALLISON MECHANICAL, INC.	Inv# 87955	AC-3 field service call	\$48.49		
Total for Check:		122316				\$5,350.88	\$25,681.86
122317	2025-03-12	AMAZON CAPITAL SERVICES, INC	Inv# 1FPL-PW9T-MVM3	AMAZON PARTS	\$56.53		
122317	2025-03-12	AMAZON CAPITAL SERVICES, INC	Inv# 1TVT-Y7J9-3JCH	Lab supplies	\$60.89		
Total for Check:		122317				\$117.42	\$30,143.72
122318	2025-03-12	AMERICAN WATER CHEMICAL, INC	Inv# 52246411	2/11 41180 lb antiscalant	\$50,239.60		
Total for Check:		122318				\$50,239.60	\$1,266,341.08
122319	2025-03-12	BLACK & VEATCH CORPORATION	Inv# 1448702	thru 10/18 GWRSFE construction	\$124,951.25		
122319	2025-03-12	BLACK & VEATCH CORPORATION	Inv# 1448702	thru 10/18 GWRSFE construction	\$124,951.25		
122319	2025-03-12	BLACK & VEATCH CORPORATION	Inv# 1448702	thru 10/18 GWRSFE construction	(\$124,951.25)		
Total for Check:		122319				\$124,951.25	\$146,325.60

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122320	2025-03-12	BRENNTAG PACIFIC INC.	Inv# BPI500690	3/4 41860 lb H.Peroxide	\$10,465.00		
122320	2025-03-12	BRENNTAG PACIFIC INC.	Inv# BPI500690	discount	(\$209.30)		
122320	2025-03-12	BRENNTAG PACIFIC INC.	Inv# BPI501589	3/7 41960 lb h.peroxide	\$10,490.00		
122320	2025-03-12	BRENNTAG PACIFIC INC.	Inv# BPI501589	discount	(\$209.80)		
122320	2025-03-12	BRENNTAG PACIFIC INC.	Inv# BPI501964	3/10 citric acid 42330 lb	\$27,942.56		
122320	2025-03-12	BRENNTAG PACIFIC INC.	Inv# BPI501964	discount	(\$558.85)		
Total for Check: 122320						\$47,919.61	\$1,350,439.64
122321	2025-03-12	BUTIER ENGINEERING, INC.	Inv# OCWD1558	Jan25 PFAS TUS-2022-1	\$88,180.25		
Total for Check: 122321						\$88,180.25	\$832,653.20
122322	2025-03-12	Bouyounes, Pauline	Inv# JUL-DEC24 TRAVEL		\$383.64		
Total for Check: 122322						\$383.64	\$580.63
122323	2025-03-12	CAL ASSOCIATION OF PUBLIC INFO OFFICIALS	Inv# 23529	INV. STATE OF COMM. WEBINAR	\$30.00		
Total for Check: 122323						\$30.00	\$1,960.00
122324	2025-03-12	CAL BUILDING SYSTEMS INC.	Inv# SC23957	Service Call For FACP Panels -	\$1,170.00		
122324	2025-03-12	CAL BUILDING SYSTEMS INC.	Inv# SC24062	Service Call For FACP Panels -	\$585.00		
Total for Check: 122324						\$1,755.00	\$4,928.58
122325	2025-03-12	CALIFORNIA AIR RESOURCES BOARD CARB/PERP	Inv# P-051984-020625		\$110.00		
Total for Check: 122325						\$110.00	\$530.00
122326	2025-03-12	CDM SMITH, INC.	Inv# 90227041	1/12-2/8 PFAS G.Grove wo#4A	\$5,259.22		
Total for Check: 122326						\$5,259.22	\$98,789.37
122327	2025-03-12	CEL ANALYTICAL INC	Inv# 250205-5928	WQ ANALYSIS	\$630.00		
Total for Check: 122327						\$630.00	\$8,610.00
122328	2025-03-12	CITY OF ANAHEIM	Inv# EE003254	PFAS Reimbursement #048	\$432,032.50		
Total for Check: 122328						\$432,032.50	\$16,204,209.38
122329	2025-03-12	CITY OF HUNTINGTON BEACH	Inv# 5386189_20250225	01/17/2025 - 02/07/2025	\$50.47		
Total for Check: 122329						\$50.47	\$423.10
122330	2025-03-12	CITY OF ORANGE	Inv# 00030145-00_20250225	12/16/2024 - 02/24/2025	\$170.08		
122330	2025-03-12	CITY OF ORANGE	Inv# 00038354-00_20250225	12/16/2024 - 02/24/2025	\$489.99		
Total for Check: 122330						\$660.07	\$5,750.40
122331	2025-03-12	COMMERCIAL DOOR OF ORANGE CO.	Inv# 28363	BPO DOOR REPAIR	\$516.75		

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Total for Check:		122331				\$516.75	\$15,474.78
122332	2025-03-12	DIAMOND ENVIRONMENTAL SERVICES	Inv# 0006044563	PORTA POTTY	\$252.84		
122332	2025-03-12	DIAMOND ENVIRONMENTAL SERVICES	Inv# 0006044563	PORTA POTTY	\$93.08		
Total for Check:		122332				\$345.92	\$3,425.16
122333	2025-03-12	Dadakis, Jason	Inv# MARCH 2025 PROF.LICENSES		\$360.00		
Total for Check:		122333				\$360.00	\$1,503.11
122334	2025-03-12	E & L ELECTRIC	Inv# 88414N		\$728.30		
122334	2025-03-12	E & L ELECTRIC	Inv# 88414N		\$35.00		
Total for Check:		122334				\$763.30	\$14,135.15
122335	2025-03-12	ELEMENTAL SCIENTIFIC, INC	Inv# ES1179493	Lab supplies	\$1,065.75		
122335	2025-03-12	ELEMENTAL SCIENTIFIC, INC	Inv# ES1179493	Shipping	\$60.00		
Total for Check:		122335				\$1,125.75	\$5,748.06
122336	2025-03-12	EMERSON LLLP	Inv# 30912539	Generated by reorder 1/21/25 3	\$1,631.25		
122336	2025-03-12	EMERSON LLLP	Inv# 30912539	Freight handling	\$11.83		
Total for Check:		122336				\$1,643.08	\$139,679.69
122337	2025-03-12	ENVIRONMENTAL SCIENCE ASSOCIATES	Inv# 204742	Jan25 PFAS agmt#1135	\$14,917.22		
Total for Check:		122337				\$14,917.22	\$168,949.44
122338	2025-03-12	EPPENDORF NORTH AMERICA INC.	Inv# 4001503018	Lab supplies	\$549.19		
122338	2025-03-12	EPPENDORF NORTH AMERICA INC.	Inv# 4001503018		\$44.55		
Total for Check:		122338				\$593.74	\$4,214.61
122339	2025-03-12	EUROFINS EATON ANALYTICAL	Inv# 3800075559	BPO WATER ANALYSIS	\$216.30		
122339	2025-03-12	EUROFINS EATON ANALYTICAL	Inv# 3800075560	BPO WATER ANALYSIS	\$216.30		
122339	2025-03-12	EUROFINS EATON ANALYTICAL	Inv# 3800075561	BPO WATER ANALYSIS	\$216.30		
122339	2025-03-12	EUROFINS EATON ANALYTICAL	Inv# 3800075578	BPO WATER ANALYSIS	\$216.30		
Total for Check:		122339				\$865.20	\$3,312.70
122340	2025-03-12	EVOQUA WATER TECHNOLOGIES, LLC	Inv# 906885460	Cart filters- RBFS ANDREW H.	\$75.64		
Total for Check:		122340				\$75.64	\$1,929,435.24
122341	2025-03-12	EXCELSIOR ELEVATOR	Inv# 36466	BPO ELEVATOR SERVICE	\$307.50		

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122341	2025-03-12	EXCELSIOR ELEVATOR	Inv# 36466	Discount	(\$9.23)		
Total for Check: 122341						\$298.27	\$8,414.04
122342	2025-03-12	FACTORY MOTOR PARTS	Inv# 12-6379988	Credit INV 101-508872	\$226.87		
122342	2025-03-12	FACTORY MOTOR PARTS	Inv# 164-388656	BPO AUTO PARTS	\$38.28		
Total for Check: 122342						\$265.15	\$12,170.84
122343	2025-03-12	FEDERAL EXPRESS CORPORATION	Inv# 8-784-50474	Package Delivery	\$260.53		
122343	2025-03-12	FEDERAL EXPRESS CORPORATION	Inv# 8-791-56844	Package Delivery	\$44.27		
122343	2025-03-12	FEDERAL EXPRESS CORPORATION	Inv# 8-791-56845	Package Delivery	\$737.39		
Total for Check: 122343						\$1,042.19	\$11,737.35
122344	2025-03-12	FIELDMAN, ROLAPP & ASSOCIATES	Inv# 30434	1601	\$447.00		
Total for Check: 122344						\$447.00	\$3,259.50
122346	2025-03-12	FISHER SCIENTIFIC CO.	Inv# 8357084	See CR 8851232	\$24.85		
122346	2025-03-12	FISHER SCIENTIFIC CO.	Inv# 8424630	Generated by reorder 1/23/25 2	\$564.74		
122346	2025-03-12	FISHER SCIENTIFIC CO.	Inv# 8424630	Generated by reorder 1/23/25 2	\$225.90		
122346	2025-03-12	FISHER SCIENTIFIC CO.	Inv# 8424630	Generated by reorder 1/23/25 2	\$225.90		
122346	2025-03-12	FISHER SCIENTIFIC CO.	Inv# 8463902	Lab equipment	\$6,914.73		
122346	2025-03-12	FISHER SCIENTIFIC CO.	Inv# 8463903	Lab supplies	\$2,279.32		
122346	2025-03-12	FISHER SCIENTIFIC CO.	Inv# 8463904	Supplies	\$554.63		
122346	2025-03-12	FISHER SCIENTIFIC CO.	Inv# 8502618	Lab supplies	\$926.55		
122346	2025-03-12	FISHER SCIENTIFIC CO.	Inv# 8502619	Lab supplies	\$30.19		
122346	2025-03-12	FISHER SCIENTIFIC CO.	Inv# 8541450	Lab supplies	\$500.33		
122346	2025-03-12	FISHER SCIENTIFIC CO.	Inv# 8541451		\$438.52		
Total for Check: 122346						\$12,685.66	\$198,889.96
122347	2025-03-12	FLEET SERVICES INC	Inv# 01S63466	T-124 Troubleshoot and repair	\$1,260.00		
122347	2025-03-12	FLEET SERVICES INC	Inv# 01S63466	T-124 Troubleshoot and repair	\$360.00		
Total for Check: 122347						\$1,620.00	\$1,620.00
122348	2025-03-12	FRONTIER COMMUNICATIONS	Inv# 714-965-1308_20250222	02/22/2025 to 03/21/2025	\$298.63		
Total for Check: 122348						\$298.63	\$43,185.51
122349	2025-03-12	FRONTIER COMMUNICATIONS	Inv# 714-964-1492_20250228	02/28/2025 to 03/27/2025	\$76.66		

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Total for Check:		122349				\$76.66	\$43,185.51
122350	2025-03-12	FRUIT GROWERS LABORATORY INC	Inv# 419513A	BPO RADIOACTIVITY ANAYLSIS	\$318.00		
122350	2025-03-12	FRUIT GROWERS LABORATORY INC	Inv# 419515A	BPO RADIOACTIVITY ANAYLSIS	\$220.00		
122350	2025-03-12	FRUIT GROWERS LABORATORY INC	Inv# 500738A	BPO RADIOACTIVITY ANAYLSIS	\$161.00		
122350	2025-03-12	FRUIT GROWERS LABORATORY INC	Inv# 501643A	BPO RADIOACTIVITY ANAYLSIS	\$63.00		
Total for Check:		122350				\$762.00	\$24,899.00
122351	2025-03-12	GMC ELECTRICAL, INC.	Inv# 5916-01-CP	R24024 - Miller basin corrosio	\$1,125.84		
Total for Check:		122351				\$1,125.84	\$16,719.02
122352	2025-03-12	GRAINGER INC.	Inv# 9402571773		\$480.79		
122352	2025-03-12	GRAINGER INC.	Inv# 9403247548	BPO INDUSTRIAL SUPPLIES	\$175.74		
122352	2025-03-12	GRAINGER INC.	Inv# 9403247555	BPO INDUSTRIAL SUPPLIES	\$56.22		
122352	2025-03-12	GRAINGER INC.	Inv# 9405404667	BPO INDUSTRIAL SUPPLIES	\$39.23		
122352	2025-03-12	GRAINGER INC.	Inv# 9407144030	BPO INDUSTRIAL SUPPLIES	\$109.13		
122352	2025-03-12	GRAINGER INC.	Inv# 9407254185	BPO INDUSTRIAL SUPPLIES	\$248.99		
Total for Check:		122352				\$1,110.10	\$141,250.85
122353	2025-03-12	GREEN THUMB, LLC	Inv# 20250228	BPO PLANT SERVICE	\$299.44		
122353	2025-03-12	GREEN THUMB, LLC	Inv# 20250228	BPO PLANT SERVICE	\$94.56		
Total for Check:		122353				\$394.00	\$3,821.66
122354	2025-03-12	HOME DEPOT CREDIT SERVICES	Inv# 0521464	BPO INDUSTRIAL SUPPLIES	\$79.17		
122354	2025-03-12	HOME DEPOT CREDIT SERVICES	Inv# 4742007	BPO INDUSTRIAL SUPPLIES	\$167.83		
122354	2025-03-12	HOME DEPOT CREDIT SERVICES	Inv# 6741886	BPO INDUSTRIAL SUPPLIES	\$20.44		
122354	2025-03-12	HOME DEPOT CREDIT SERVICES	Inv# 9513645	BPO INDUSTRIAL SUPPLIES	\$172.18		
122354	2025-03-12	HOME DEPOT CREDIT SERVICES	Inv# 9620852	BPO INDUSTRIAL SUPPLIES	\$75.10		
Total for Check:		122354				\$514.72	\$28,117.15
122355	2025-03-12	IAAP	Inv# 300070127	Membership Renewal	\$200.00		
Total for Check:		122355				\$200.00	\$200.00
122356	2025-03-12	IDEXX LABORATORIES, INC.	Inv# 3169229983	Lab supplies	\$2,110.69		
122356	2025-03-12	IDEXX LABORATORIES, INC.	Inv# 3169229983	Shipping	\$31.53		
Total for Check:		122356				\$2,142.22	\$9,508.40
122357	2025-03-12	INNOVAPREP LLC	Inv# 19296	JULIO POLANCO	\$948.00		

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122357	2025-03-12	INNOVAPREP LLC	Inv# 19296	JULIO POLANCO	\$32.61		
		Total for Check:	122357			\$980.61	\$7,108.76
122358	2025-03-12	INTEGRATED MEDIA SYSTEMS	Inv# 47462	2/10 troubleshoot	\$878.75		
		Total for Check:	122358			\$878.75	\$2,921.76
122359	2025-03-12	IRVINE PIPE & SUPPLY CO	Inv# S120115305.001	PVC Parts for SEFE 2 JSMITH	\$1,200.02		
122359	2025-03-12	IRVINE PIPE & SUPPLY CO	Inv# S120115305.001	PVC Parts for SEFE 2 JSMITH	\$259.29		
122359	2025-03-12	IRVINE PIPE & SUPPLY CO	Inv# S120115305.001	PVC Parts for SEFE 2 JSMITH	\$184.67		
122359	2025-03-12	IRVINE PIPE & SUPPLY CO	Inv# S120115305.001	PVC Parts for SEFE 2 JSMITH	\$155.28		
122359	2025-03-12	IRVINE PIPE & SUPPLY CO	Inv# S120115305.001	PVC Parts for SEFE 2 JSMITH	\$155.12		
122359	2025-03-12	IRVINE PIPE & SUPPLY CO	Inv# S120115305.001	PVC Parts for SEFE 2 JSMITH	\$84.45		
122359	2025-03-12	IRVINE PIPE & SUPPLY CO	Inv# S120115305.001	S&H	\$32.49		
122359	2025-03-12	IRVINE PIPE & SUPPLY CO	Inv# S120115305.001	Discount	(\$37.50)		
122359	2025-03-12	IRVINE PIPE & SUPPLY CO	Inv# S120153242.001	BPO PIPE SUPPLIES	\$124.10		
122359	2025-03-12	IRVINE PIPE & SUPPLY CO	Inv# S120153242.001	Discount	(\$2.27)		
		Total for Check:	122359			\$2,155.65	\$46,335.59
122360	2025-03-12	JONATHON FURTADO	Inv# MAR24-FEB25 PHONE STIPEND	3/7/24-2/6/25	\$440.00		
			phone stipends				
		Total for Check:	122360			\$440.00	\$440.00
122362	2025-03-12	KONICA MINOLTA BUSINESS SOLUTIONS USA IN	Inv# 296784587	BPO COPY CHARGES	\$60.92		
122362	2025-03-12	KONICA MINOLTA BUSINESS SOLUTIONS USA IN	Inv# 296784657	BPO COPY CHARGES	\$75.47		
122362	2025-03-12	KONICA MINOLTA BUSINESS SOLUTIONS USA IN	Inv# 296784842	BPO COPY CHARGES	\$27.85		
122362	2025-03-12	KONICA MINOLTA BUSINESS SOLUTIONS USA IN	Inv# 297274065	BPO COPY CHARGES	\$65.35		
122362	2025-03-12	KONICA MINOLTA BUSINESS SOLUTIONS USA IN	Inv# 297274255	BPO COPY CHARGES	\$59.54		
122362	2025-03-12	KONICA MINOLTA BUSINESS SOLUTIONS USA IN	Inv# 297274348	BPO COPY CHARGES	\$28.76		
122362	2025-03-12	KONICA MINOLTA BUSINESS SOLUTIONS USA IN	Inv# 297817790	BPO COPY CHARGES	\$90.17		
122362	2025-03-12	KONICA MINOLTA BUSINESS SOLUTIONS USA IN	Inv# 297817974	BPO COPY CHARGES	\$80.42		

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122362	2025-03-12	KONICA MINOLTA BUSINESS SOLUTIONS USA IN	Inv# 297818618	BPO COPY CHARGES	\$37.73		
122362	2025-03-12	KONICA MINOLTA BUSINESS SOLUTIONS USA IN	Inv# 500321893	BPO COPY CHARGES	\$42.14		
122362	2025-03-12	KONICA MINOLTA BUSINESS SOLUTIONS USA IN	Inv# 500227788	Meter usage correction	(\$18.43)		
Total for Check: 122362						\$549.92	\$21,111.17
122363	2025-03-12	LHOIST NORTH AMERICA	Inv# 1102502694	2/9 lime(2) 25.56 & 25.2 ton	\$22,748.60		
122363	2025-03-12	LHOIST NORTH AMERICA	Inv# 1102502953	2/13 lime(2) 25.23 & 25.21 ton	\$22,605.20		
Total for Check: 122363						\$45,353.80	\$1,237,679.22
122364	2025-03-12	LIFE TECHNOLOGIES CORP	Inv# 86610819	Lab supplies	\$215.33		
122364	2025-03-12	LIFE TECHNOLOGIES CORP	Inv# 86610819	Fedex/Handling	\$64.16		
Total for Check: 122364						\$279.49	\$1,524.57
122365	2025-03-12	LILLESTRAND LEADERSHIP CONSULTING	Inv# 8117	2/5-6, 2/12 leadership consult	\$2,025.00		
Total for Check: 122365						\$2,025.00	\$30,575.00
122366	2025-03-12	LONG BEACH COMPRESSOR INC	Inv# 13792	Capacitor for MF Blower B02	\$650.00		
122366	2025-03-12	LONG BEACH COMPRESSOR INC	Inv# 13792	Capacitor for MF Blower B02	\$282.55		
122366	2025-03-12	LONG BEACH COMPRESSOR INC	Inv# 13792	Capacitor for MF Blower B02	\$152.03		
122366	2025-03-12	LONG BEACH COMPRESSOR INC	Inv# 13792	Capacitor for MF Blower B02	\$57.00		
122366	2025-03-12	LONG BEACH COMPRESSOR INC	Inv# 13793	Replacement Contactor for Atla	\$520.00		
122366	2025-03-12	LONG BEACH COMPRESSOR INC	Inv# 13793	Replacement Contactor for Atla	\$115.28		
122366	2025-03-12	LONG BEACH COMPRESSOR INC	Inv# 13793	Replacement Contactor for Atla	\$57.00		
122366	2025-03-12	LONG BEACH COMPRESSOR INC	Inv# 13793	inbound freight	\$32.16		
Total for Check: 122366						\$1,866.02	\$6,794.56
122367	2025-03-12	Liebrezeit, Craig	Inv# FEB 24-27, 2025 TRAVEL AMTA-AWWA	2/24-27 Long Beach	\$45.00		
Total for Check: 122367						\$45.00	\$684.91
122368	2025-03-12	MAIL DELIVERY SERVICE CO.	Inv# 22921	BPO MAIL DELIVERY	\$333.82		
122368	2025-03-12	MAIL DELIVERY SERVICE CO.	Inv# 22921	BPO MAIL DELIVERY	\$58.68		
122368	2025-03-12	MAIL DELIVERY SERVICE CO.	Inv# 22921	Fuel Surcharge	\$19.99		
122368	2025-03-12	MAIL DELIVERY SERVICE CO.	Inv# 22921	Fuel Surcharge	\$3.51		
Total for Check: 122368						\$416.00	\$3,691.00

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122369	2025-03-12	MCMaster-CARR SUPPLY COMPANY	Inv# 41413723	BPO INDUSTRIAL SUPPLIES	\$8.92		
122369	2025-03-12	MCMaster-CARR SUPPLY COMPANY	Inv# 41413723	Shipping	\$8.15		
122369	2025-03-12	MCMaster-CARR SUPPLY COMPANY	Inv# 41413723	Discount	(\$0.18)		
122369	2025-03-12	MCMaster-CARR SUPPLY COMPANY	Inv# 41667454	BPO INDUSTRIAL SUPPLIES	\$12.20		
122369	2025-03-12	MCMaster-CARR SUPPLY COMPANY	Inv# 41667454	Discount	(\$0.24)		
Total for Check:		122369				\$28.85	\$12,950.29
122370	2025-03-12	METTLER-TOLEDO RAININ LLC	Inv# 679198308	Lab supply service	\$114.80		
122370	2025-03-12	METTLER-TOLEDO RAININ LLC	Inv# 679198308	Lab supply service	\$30.60		
122370	2025-03-12	METTLER-TOLEDO RAININ LLC	Inv# 679198308	Freight	\$16.00		
Total for Check:		122370				\$161.40	\$1,059.72
122371	2025-03-12	MUNICIPAL WATER DISTRICT OF OC	Inv# 11711		\$125,055.27		
Total for Check:		122371				\$125,055.27	\$1,727,121.98
122372	2025-03-12	MYBINDING, LLC	Inv# SI2992963		\$269.37		
Total for Check:		122372				\$269.37	\$269.37
122373	2025-03-12	MYTHICS	Inv# 216178	Renew Oracle JDE CSI# 21069598	\$166.50		
Total for Check:		122373				\$166.50	\$11,967.64
122374	2025-03-12	NAPA AUTO PARTS	Inv# 146045	BPO TRUCK PARTS	\$31.70		
122374	2025-03-12	NAPA AUTO PARTS	Inv# 146722	BPO TRUCK PARTS	\$64.63		
122374	2025-03-12	NAPA AUTO PARTS	Inv# 146722	Discount	(\$1.30)		
Total for Check:		122374				\$95.03	\$14,251.90
122375	2025-03-12	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 744344	BPO AUTO PARTS	\$21.68		
122375	2025-03-12	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 744344	Discount	(\$0.44)		
Total for Check:		122375				\$21.24	\$2,472.79
122376	2025-03-12	ONESOURCE DISTRIBUTORS INC.	Inv# S007805676.001	Generated by reorder 2/11/25 1	\$25,410.30		
122376	2025-03-12	ONESOURCE DISTRIBUTORS INC.	Inv# S007820552.001	AB 800H-UR13 30	\$723.07		
122376	2025-03-12	ONESOURCE DISTRIBUTORS INC.	Inv# S007820552.001	Potentiometer			
122376	2025-03-12	ONESOURCE DISTRIBUTORS INC.	Inv# S007820552.001	Discount	(\$6.65)		

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Total for Check:		122376				\$26,126.72	\$151,864.06
122377	2025-03-12	ORANGE COUNTY TREASURER-TAX COLLECTOR	Inv# E01-706.1 MAR2025	OCFCD Lease Mar25	\$5,833.00		
Total for Check:		122377				\$5,833.00	\$45,236.25
122378	2025-03-12	PACIFIC MECHANICAL SUPPLY	Inv# 5386498	Generated by reorder 2/19/25 9	\$111.70		
122378	2025-03-12	PACIFIC MECHANICAL SUPPLY	Inv# 5386498	Generated by reorder 2/19/25 9	\$91.24		
122378	2025-03-12	PACIFIC MECHANICAL SUPPLY	Inv# 5386498	Generated by reorder 2/19/25 9	\$23.06		
122378	2025-03-12	PACIFIC MECHANICAL SUPPLY	Inv# 5386498	Generated by reorder 2/19/25 9	\$5.87		
122378	2025-03-12	PACIFIC MECHANICAL SUPPLY	Inv# 5386498	Discount	(\$2.13)		
Total for Check:		122378				\$229.74	\$23,199.35
122379	2025-03-12	PENDERGRAFT, REX	Inv# MARCH 2025	Retiree Cash Medical Mar2025	\$512.45		
Total for Check:		122379				\$512.45	\$4,012.05
122380	2025-03-12	PHENOVA INC	Inv# 212838	Supplies	\$2,039.06		
122380	2025-03-12	PHENOVA INC	Inv# 212838		\$37.32		
122380	2025-03-12	PHENOVA INC	Inv# 212838		\$12.00		
122380	2025-03-12	PHENOVA INC	Inv# 212848	Lab supplies	\$619.88		
122380	2025-03-12	PHENOVA INC	Inv# 212848		\$40.69		
122380	2025-03-12	PHENOVA INC	Inv# 212848		\$12.00		
Total for Check:		122380				\$2,760.95	\$16,276.91
122381	2025-03-12	PUBLIC UTILITIES & WATERWORKS MGT	Inv# 24-717	LEADERSHIP TRAINING	\$549.00		
Total for Check:		122381				\$549.00	\$549.00
122382	2025-03-12	PURCOR PEST SOLUTIONS	Inv# 12364899	BPO RODENT CONTROL	\$185.00		
Total for Check:		122382				\$185.00	\$5,865.00
122383	2025-03-12	QUINN COMPANY	Inv# PC830431320	BPO EQUIPMENT & SUPPLIES	\$148.89		
122383	2025-03-12	QUINN COMPANY	Inv# PC830431321	BPO EQUIPMENT & SUPPLIES	\$387.90		
122383	2025-03-12	QUINN COMPANY	Inv# PC830431410		\$80.90		
122383	2025-03-12	QUINN COMPANY	Inv# PC830431411	BPO EQUIPMENT & SUPPLIES	\$246.12		
Total for Check:		122383				\$863.81	\$82,467.75
122384	2025-03-12	RAINBOW DISPOSAL CO INC	Inv# 0605-001166021	BPO TRASH SERVICE	\$6,980.49		
122384	2025-03-12	RAINBOW DISPOSAL CO INC	Inv# 0676-005871960	BPO TRASH SERVICE	\$1,236.14		
Total for Check:		122384				\$8,216.63	\$67,757.67
122385	2025-03-12	RESTEK CORPORATION	Inv# CD50511926	Lab supplies	\$1,142.85		

Orange County Water District

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
122385	2025-03-12	RESTEK CORPORATION	Inv# CD50511926	Freight handling	\$39.00		
122385	2025-03-12	RESTEK CORPORATION	Inv# CD50511926	Discount	(\$23.64)		
Total for Check: 122385						\$1,158.21	\$11,837.35
122386	2025-03-12	SALCO DYNAMIC SOLUTIONS INC.	Inv# 117745	Generated by reorder 3/5/25 9:	\$1,774.44		
122386	2025-03-12	SALCO DYNAMIC SOLUTIONS INC.	Inv# 117745		\$7.75		
122386	2025-03-12	SALCO DYNAMIC SOLUTIONS INC.	Inv# 117745	Generated by reorder 3/5/25 9:	\$54.10		
122386	2025-03-12	SALCO DYNAMIC SOLUTIONS INC.	Inv# 117745		(\$33.79)		
Total for Check: 122386						\$1,802.50	\$15,484.08
122387	2025-03-12	SANTA FE WATER SYSTEMS	Inv# 092405	Generated by reorder 11/4/24 1	\$1,566.00		
122387	2025-03-12	SANTA FE WATER SYSTEMS	Inv# 092405	Discount	(\$43.20)		
Total for Check: 122387						\$1,522.80	\$9,898.20
122388	2025-03-12	SC FUELS	Inv# IN-0000083498	BPO RED DIESEL	\$3,047.08		
122388	2025-03-12	SC FUELS	Inv# IN-0000083498	Discount	(\$27.89)		
Total for Check: 122388						\$3,019.19	\$68,282.49
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$1,842.28		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$831.45		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$379.76		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$261.69		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$233.10		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$227.53		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$173.68		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$133.72		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$129.23		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$89.04		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$67.29		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$42.99		
122390	2025-03-12	SC FUELS	Inv# 1003462	BPO UNLEADED FUEL	\$34.01		
Total for Check: 122390						\$4,445.77	\$78,887.97
122391	2025-03-12	SC FUELS	Inv# IN-0000677584	BPO RED DIESEL FUEL	\$22,235.72		
122391	2025-03-12	SC FUELS	Inv# IN-0000677584	Discount	(\$206.29)		
Total for Check: 122391						\$22,029.43	\$44,525.48
122392	2025-03-12	SIDEPATH INC.	Inv# 23377	Windows10 replacement compute	\$17,307.69		

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122392	2025-03-12	SIDEPATH INC.	Inv# 23377	Windows10 replacement compute	\$1,442.31		
		Total for Check:	122392			\$18,750.00	\$104,095.54
122393	2025-03-12	SINCLAIR WELL PRODUCTS INC	Inv# 50320	FESTIVAL - HYDRO. ACTIVITY	\$318.09		
122393	2025-03-12	SINCLAIR WELL PRODUCTS INC	Inv# 50320	delivery	\$200.00		
122393	2025-03-12	SINCLAIR WELL PRODUCTS INC	Inv# 50320	discount	(\$9.85)		
		Total for Check:	122393			\$508.24	\$508.24
122394	2025-03-12	SOUTHERN CALIFORNIA EDISON CO.	Inv# 700145466803_20250305		\$950,429.61		
122394	2025-03-12	SOUTHERN CALIFORNIA EDISON CO.	Inv# 700306425771_20250306		\$4,629.09		
		Total for Check:	122394			\$955,058.70	\$7,046,304.60
122395	2025-03-12	STAPLES ADVANTAGE	Inv# 6024317481	Replace Laminator Machine	\$311.78		
		Total for Check:	122395			\$311.78	\$11,770.30
122396	2025-03-12	STATE WATER RESOURCES CONTROL BOARD	Inv# C-06-7867-110 CLEAN WATER		\$175,666.56		
		Total for Check:	122396			\$175,666.56	\$13,206,470.28
122397	2025-03-12	TAIT ENVIRONMENTAL	Inv# 962333	Monthly underground storage ta	\$315.00		
		Total for Check:	122397			\$315.00	\$3,089.55
122398	2025-03-12	SoCalGas	Inv# 04440929000_20250307	02/03/2025 - 03/05/2025	\$797.84		
122398	2025-03-12	SoCalGas	Inv# 05070929004_20250307	02/03/2025 - 03/05/2025	\$1,515.06		
122398	2025-03-12	SoCalGas	Inv# 11375833040_20250307	02/03/2025 - 03/05/2025	\$6,764.38		
		Total for Check:	122398			\$9,077.28	\$60,176.46
122399	2025-03-12	U-LINE	Inv# 189082081	Lab supplies	\$304.63		
122399	2025-03-12	U-LINE	Inv# 189082081	FREIGHT/HANDLING	\$54.03		
		Total for Check:	122399			\$358.66	\$10,095.57
122400	2025-03-12	U.S. BANK	Inv# 14660644	US BANK FEES JAN 2025	\$1,349.67		
		Total for Check:	122400			\$1,349.67	\$35,059.63
122401	2025-03-12	U.S. SAFETY & SUPPLY COMPANY	Inv# HQ-I458155	Draeger Gas Detect- JSMITH	\$1,326.75		
122401	2025-03-12	U.S. SAFETY & SUPPLY COMPANY	Inv# HQ-I458155	Draeger Gas Detect- JSMITH	\$1,326.75		
122401	2025-03-12	U.S. SAFETY & SUPPLY COMPANY	Inv# HQ-I458155	Draeger Gas Detect- JSMITH	\$17.00		
		Total for Check:	122401			\$2,670.50	\$5,337.55
122402	2025-03-12	UCT LLC	Inv# INL112881		\$2,218.50		
		Total for Check:	122402			\$2,218.50	\$21,827.70

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122403	2025-03-12	UNIFIRST CORPORATION	Inv# 2190300785	1557	\$283.23		
122403	2025-03-12	UNIFIRST CORPORATION	Inv# 2190300785	1557	\$8.01		
122403	2025-03-12	UNIFIRST CORPORATION	Inv# 2190301663	1557	\$54.25		
122403	2025-03-12	UNIFIRST CORPORATION	Inv# 2190301664	1557	\$16.77		
122403	2025-03-12	UNIFIRST CORPORATION	Inv# 2190301666	1557	\$10.78		
122403	2025-03-12	UNIFIRST CORPORATION	Inv# 2190301667	1557	\$446.06		
122403	2025-03-12	UNIFIRST CORPORATION	Inv# 2190301668	1557	\$118.80		
122403	2025-03-12	UNIFIRST CORPORATION	Inv# 2190301669	1557	\$22.22		
122403	2025-03-12	UNIFIRST CORPORATION	Inv# 2190301675	1557	\$267.66		
122403	2025-03-12	UNIFIRST CORPORATION	Inv# 2200231589	1557	\$49.86		
Total for Check: 122403						\$1,277.64	\$43,361.86
122404	2025-03-12	UNITED STATES GEOLOGICAL SURVEY	Inv# 90081765		\$12,392.50		
Total for Check: 122404						\$12,392.50	\$35,742.50
122405	2025-03-12	UNIVAR SOLUTIONS USA	Inv# 52834741	3/5 24.566 ton sulfuric acid	\$5,797.58		
122405	2025-03-12	UNIVAR SOLUTIONS USA	Inv# 52834741	discount	(\$115.95)		
122405	2025-03-12	UNIVAR SOLUTIONS USA	Inv# 52834742	3/5 24.323 ton sulfuric acid	\$5,740.23		
122405	2025-03-12	UNIVAR SOLUTIONS USA	Inv# 52834742	discount	(\$114.80)		
Total for Check: 122405						\$11,307.06	\$317,869.97
122406	2025-03-12	UNIVERSAL BACKGROUND SCREENING INC	Inv# 202502008258	BPO BACKGROUND CHECK	\$86.32		
Total for Check: 122406						\$86.32	\$3,756.62
122407	2025-03-12	UTILIQUEST LLC	Inv# 340627-Q	2/2-8 screen/mark pipes	\$852.13		
122407	2025-03-12	UTILIQUEST LLC	Inv# 340627-Q	2/2-8 screen/mark pipes	\$497.07		
122407	2025-03-12	UTILIQUEST LLC	Inv# 340627-Q	2/2-8 screen/mark pipes	\$60.93		
122407	2025-03-12	UTILIQUEST LLC	Inv# 340627-Q	2/2-8 screen/mark pipes	\$10.07		
Total for Check: 122407						\$1,420.20	\$70,429.29
122408	2025-03-12	VEOLIA WTS SERVICES USA, INC.	Inv# 903098216	BPO DI WATER SERVICE	\$548.10		
Total for Check: 122408						\$548.10	\$3,288.60
122409	2025-03-12	VWR INTERNATIONAL LLC	Inv# 8818242284		\$232.26		
122409	2025-03-12	VWR INTERNATIONAL LLC	Inv# 8818254920		\$4,047.68		
Total for Check: 122409						\$4,279.94	\$70,023.69

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
122410	2025-03-12	WASTE MANAGEMENT CORPORATE SERVICES INC	Inv# 1148844-4946-2	03/01/2025 - 03/31/2025	\$324.03		
		Total for Check: 122410				\$324.03	\$2,916.27
122411	2025-03-12	WATER DISTRICT JOBS	Inv# 1132502	Employment Advertising	\$145.00		
		Total for Check: 122411				\$145.00	\$1,015.00
122412	2025-03-12	WIENHOFF DRUG TESTING	Inv# 128416	DOT	\$180.00		
		Total for Check: 122412				\$180.00	\$2,412.00
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962613	2/24 4838 gal hypochlorite	\$8,330.55		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962613	CA mill	\$204.10		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962613	discount	(\$166.61)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962614	2/24 4828 gal hypochlorite	\$8,313.33		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962614	CA mill	\$203.68		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962614	discount	(\$166.27)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962615	2/24 4820 gal hypochlorite	\$8,299.56		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962615	CA mill	\$203.34		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962615	discount	(\$165.99)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962616	2/24 4857 gal hypochlorite	\$8,363.27		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962616	CA mill	\$204.90		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962616	discount	(\$167.27)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962712	2/25 4861 gal hypochlorite	\$8,370.16		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962712	CA mill	\$205.07		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962712	discount	(\$167.40)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962713	2/25 4731 gal hypochlorite	\$8,146.31		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962713	CA mill	\$199.58		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962713	discount	(\$162.93)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962714	2/25 4865 gal hypochlorite	\$8,377.04		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962714	CA mill	\$205.24		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962714	discount	(\$167.54)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962726	2/25 4824 gal hypochlorite	\$8,306.45		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962726	CA mill	\$203.51		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962726	discount	(\$166.13)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962907	2/27 4836 gal hypochlorite	\$8,327.11		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962907	CA mill	\$204.01		

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962907	discount	(\$166.54)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962908	2/27 4747 gal hypochlorite	\$8,173.86		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962908	CA mill	\$200.26		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962908	discount	(\$163.48)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962909	2/27 4831 gal hypochlorite	\$8,318.50		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962909	discount	(\$166.37)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962910	2/27 4877 gal hypochlorite	\$8,397.71		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962910	CA mill	\$205.74		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962910	discount	(\$167.95)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962958	2/28 4812 gal hypochlorite	\$8,285.78		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962958	CA mill	\$203.00		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962958	discount	(\$165.72)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962959	2/28 4697 gal hypochlorite	\$8,087.76		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962959	CA mill	\$198.15		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962959	discount	(\$161.76)		
978703	2025-03-06	JCI JONES CHEMICAL, INC	Inv# 962909	CA mill	\$203.80		
Total for Check:		978703				\$116,619.81	\$3,863,914.52
978704	2025-03-10	ROSE, DAVID	Inv# CK2383	Final PR CK 2383	\$3,065.59		
Total for Check:		978704				\$3,065.59	\$4,000.11
978705	2025-03-10	ROSE, DAVID	Inv# CK2384	Final CK 2384	\$934.52		
Total for Check:		978705				\$934.52	\$4,000.11
Run Date: 3/12/2025					\$2,932,854.21	\$2,932,854.21	

MINUTES OF MEETING
BOARD OF DIRECTORS, ORANGE COUNTY WATER DISTRICT
February 19, 2025, 5:30 p.m.

President Bilodeau called to order the February 19, 2025 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 (arrived 5:40 p.m.)
Denis Bilodeau
Cathy Green
Fred Jung
Dina Nguyen
Natalie Meeks
Stephen Sheldon
Van Tran
Erik Weigand
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

Director Sheldon requested to pull Item No. 7, *First Responder Appreciation Luncheon*. The remainder of the Consent Calendar was approved upon motion by Director Meeks, seconded by Director Tran and carried [9-0] as follows:

Ayes: Bilodeau, Green, Jung, Meeks, Nguyen, Sheldon, Tran, Weigand, Yoh

Absent: Amezcua

1. Approval of Cash Disbursements

MOTION NO. 25-11
APPROVING CASH DISBURSEMENTS

Payment of bills for the period of January 30, 2025 through February 12, 2025 in the total amount of \$5,731,544.12 is ratified and approved.

2. Minutes of Board of Directors Meeting Held January 15 and February 5, 2025

MOTION NO. 25-12
APPROVING MINUTES OF BOARD OF DIRECTORS MEETINGS

The Minutes of the Board of Directors meeting held January 15 and February 5, 2025 are hereby approved as presented.

3. 2023-2024 Engineer's Report on Groundwater Conditions, Water Supply and Basin Utilization

MOTION NO. 25-13
RECEIVING AND FILING 2023-2024 ENGINEER'S REPORT ON GROUNDWATER CONDITIONS,
WATER SUPPLY AND BASIN UTILIZATION
AND SCHEDULING PUBLIC HEARINGS

The draft 2023-24 Engineer's Report is hereby received and filed, and public hearings are scheduled for March 19, 2025 to present the Report's findings and on April 16, 2025 to consider establishing the Replenishment Assessment, Basin Equity Assessment and Basin Production Percentage for the 2025-26 water year.

4. Approve Addendum No. 2 to Legal Services Agreement with PFAS Litigation Counsel

RESOLUTION NO. 25-2-10
APPROVING ADDENDUM NO. 2 TO LEGAL SERVICES AGREEMENT WITH PFAS LITIGATION
COUNSEL

RESOLVED, that the General Manager is authorized to execute Addendum No. 2 to the PFAS Legal Services Agreement.

ITEMS RECOMMENDED FOR APPROVAL AT COMMUNICATIONS AND LEGISLATIVE
COMMITTEE MEETING HELD FEBRUARY 6

5. State Legislative Update

MOTION NO. 25-14
ADOPTING POSITION ON STATE LEGISLATION

The following position on State legislation is hereby adopted:

Bill Number/Author	Short Title	Recommendation
AB 259 Blanca Rubio (D-West Covina)	Open meetings: local agencies: teleconferences	Support

6. Water Bottle Filling Station Program

MOTION NO. 25-15
AUTHORIZING SPONSORSHIP OF A WATER BOTTLE FILLING STATION AT HERITAGE
MUSEUM OF ORANGE COUNTY

Sponsoring of a water bottle filling station at Heritage Museum of Orange County for an amount not to exceed \$6,000 is hereby approved.

7. First Responder Appreciation Luncheon

This item was removed from the Consent Calendar and considered separately.

ITEMS RECOMMENDED FOR APPROVAL AT WATER ISSUES COMMITTEE MEETING HELD
FEBRUARY 12

8. Authorization Resolution for WaterSMART Title XVI Water Infrastructure Improvements for the
Nation Act Water Reclamation and Reuse Projects and Grant Applications

RESOLUTION NO. 25-2-11

APPROVING AND AUTHORIZING THE GRANT APPLICATION FOR THE WATERSMART TITLE
XVI WATER INFRASTRUCTURE IMPROVEMENTS FOR THE NATION (WIIN) ACT WATER
RECLAMATION AND REUSE PROJECTS FOR FISCAL YEARS 2023 AND 2024 INCLUDING
ORANGE COUNTY WATER DISTRICT PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)
REMOVAL PROGRAM AND THE EXECUTION OF GRANT DOCUMENTS WITH THE UNITED
STATES DEPARTMENT OF THE INTERIOR BUREAU OF RECLAMATION

WHEREAS, the Board of Directors adopted a PFAS Policy in November 2019 in preparation for the impacts of PFAS on Orange County groundwater supplies. Among other items, the policy states that the Orange County Water District (OCWD) funds the lowest reasonable and efficient treatment system design and construction costs to remove PFAS contaminants from groundwater for affected cities and water agencies (also called the groundwater producers) in OCWD's service area. Additionally, the policy states that OCWD provides a fifty percent subsidy for operation and maintenance expenses up to \$75 per acre-foot;

WHEREAS, The Board of Directors approved the design and the construction of PFAS Removal Projects for groundwater wells that were taken out of service for exceeding the State Water Resources Control Board's Division of Drinking Water response levels of 10 parts per trillion (ppt) for perfluorooctanoic acid (PFOA) and 40 ppt for perfluorooctane sulfonate (PFOS);

WHEREAS, the Board of Directors continues the approval of design and construction of PFAS Removal Projects for additional groundwater wells affected by the National Primary Drinking Water Standard of 4 ppt for PFOA and PFOS established by the United States Environmental Protection Agency on April 10, 2024; and

WHEREAS, the United States Department of the Interior, Bureau of Reclamation, has announced the second-round grant funding program entitled "WaterSMART: Title XVI Water Recycling Projects Under WIIN Act Water Reclamation and Reuse Projects for Fiscal Years 2023 and 2024" ("Grant") provided by the Bipartisan Infrastructure Law to assist in identifying and investigating opportunities to reclaim and reuse wastewater and promote the availability of new sources of clean water while promoting water and energy efficiency and environmental stewardship; and

WHEREAS, this resolution certifies the Board of Directors' approval of the OCWD's submission of an application package for the Grant.

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

Section 1: The Board of Directors hereby authorizes and directs the General Manager to sign, submit and file, for and on behalf of the Orange County Water District, a Grant application package to the United States Department of the Interior, Bureau of Reclamation, in response to the announcement of the Funding Opportunity Number R23AS00464 to support the design and the construction of PFAS projects identified in OCWD PFAS Removal Program.

Section 2: The Board of Directors hereby agrees and further authorizes the General Manager or his designee, to provide the assurances, certifications, and commitments required for the Grant, to negotiate and execute any documents related to this Grant, including a financial assistance agreement and any amendments or changes thereto, and to accept a financial assistance from the United States Department of the Interior, Bureau of Reclamation.

Section 3: If the Grant application package is approved, the Orange County Water District has the financial capability to provide the cost-sharing funds to match the requirements of the Grant.

Section 4: The Orange County Water District will work with the United States Department of the Interior, Bureau of Reclamation, to meet established deadlines for entering into a financial assistance agreement.

9. Award Contract GBM-2024-3 Construction of Shallow Aquifer Piezometers and Talbert Gap Monitoring Well Cluster

RESOLUTION NO. 25-2-12
AWARDING CONTRACT GBM-2024-3 TO J&H DRILLING CO, INC. DBA MR DRILLING FOR
CONSTRUCTION OF SHALLOW AQUIFER PIEZOMETERS AND TALBERT GAP
MONITORING WELL CLUSTER

WHEREAS, a Notice Inviting Bids for Contract No. GBM-2023-1, Installation Of Shallow Aquifer Monitoring Wells, was published in The Orange County Register on November 21, 2024; and

WHEREAS, the following bids were received and opened on December 30, 2024:

MR Drilling	\$ 199,025
ABC Liovin Drilling	\$ 276,590
BC2 Environmental, LLC	\$1,245,470

WHEREAS, the Water Issues Committee of this Board has recommended award of said Contract to the lowest responsive bidder, J&H Drilling Co, Inc. dba MR Drilling, for an amount not to exceed \$199,025; and

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. GBM-2024-3 is received and filed.

Section 2: The lowest responsive bid of J&H Drilling Co, Inc. dba MR Drilling., in the amount of \$199,025 is accepted and all other bids are rejected.

10. Service Agreement with Besst, Inc. for a Depth-Specific Flow and Water Quality Survey at Buena Park's Linden Well

RESOLUTION NO. 25-2-13
AUTHORIZING AGREEMENT WITH BESST, INC. FOR A DEPTH-SPECIFIC FLOW AND WATER
QUALITY SURVEY AT BUENA PARK'S LINDEN WELL

RESOLVED, that issuance of a service Agreement is authorized to BESST, Inc. in an amount not to exceed \$40,700 to provide depth-specific data collection services at Buena Park's Linden well.

11. Authorize General Manager Approval of Agreement with USACE for Surface Water Level Monitoring at Prado Dam
-

RESOLUTION NO. 25-2-14

AGREEMENT WITH USACE FOR SURFACE WATER LEVEL MONITORING AT PRADO DAM

RESOLVED, that the General Manager is authorized to execute a 5-year license agreement with the USACE for surface water level monitoring at two sites, subject to approval as to form by the District's General Counsel.

12. Contract SB-2025-1 Bond Basin Slope Repair Categorical Exemption and Notice Inviting Bids

RESOLUTION NO. 25-2-15

AUTHORIZING FILING OF A CATEGORICAL EXEMPTION FOR THE BOND BASIN SLOPE REPAIR PROJECT AND AUTHORIZING PUBLICATION OF NOTICE INVITING BIDS

WHEREAS, the District staff has advised that the final plans and specifications for the Bond Basin Slope Repair Project are complete.

WHEREAS, the Water Issues Committee of this Board recommends filing a Categorical Exemption for the project in accordance with the California Environmental Quality Act (CEQA); and issuing a Notice Inviting Bids for the construction contract.

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

Section 1: Publication of Notice Inviting Bids is authorized for No. SB-2025-1, Bond Basin Slope Repair Project.

Section 2: Filing of a Categorical Exemption for the Bond Basin Slope Repair project in compliance with the California Environmental Quality Act (CEQA) guidelines.

13. City of Orange Wells 25 and 27 PFAS Treatment Plant Project: Engineer's Report and Categorical Exemption
-

RESOLUTION NO. 25-2-16

AUTHORIZING FILING OF A CATEGORICAL EXEMPTION FOR THE CITY OF ORANGE WELLS 25 AND 27 PFAS TREATMENT PLANT PROJECT AND APPROVING THE ENGINEER'S REPORT

WHEREAS, the District staff has advised that the design for the city of Orange Wells 25 and 27 PFAS Treatment Plant project is currently in progress and recommends approving the Engineer's Report for the project;

WHEREAS, in accordance with the California Environmental Quality Act (CEQA); staff has determined that Wells 25 and 27 PFAS Treatment Systems Project is consistent with the Categorical Exemption for

New Construction or Conversion of Small Structures because it consists of the construction and operation of a limited number of new, small facilities or structures; and

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

Section 1: Filing of a Categorical Exemption for the City of Orange Wells 25 and 27 PFAS Treatment Plant Project in compliance with the California Environmental Quality Act (CEQA) guidelines.

Section 2: The Engineer's Report for the City of Orange Wells 25 and 27 PFAS Treatment Plant Project is approved and the project is deemed feasible, necessary and beneficial to the lands of the District.

14. K-2025-1: Kraemer Basin Check Valve Replacements: Award Construction Contract to
Innovative Construction Solutions
-

RESOLUTION NO. 25-2-17

AWARDING CONTRACT K-2025-1: KRAEMER BASIN CHECK VALVE REPLACEMENTS TO
INNOVATIVE CONSTRUCTION SOLUTIONS

WHEREAS, a Notice Inviting Bids for Contract No. K-2025-1: Kraemer Basin Check Valve Replacements, was published in The Orange County Register on December 12, 2024; and

WHEREAS, the following bids were received and opened on January 28, 2025:

Innovative Construction Solutions	\$347,500
Pacific Hydrotech Corporation	\$370,700
Big Ben Engineering	\$411,797
RE Chaffee	\$418,000
T.E Roberts	\$419,562
Vicon Enterprises	\$422,500
Myers & Sons Construction	\$426,700
W.A Rasic	\$437,880
R C Foster	\$464,000
Doty Bros	\$558,456
GCI Construction Inc	\$568,800
MMC Inc	\$595,000
G&A Nelos Construction	\$615,871

WHEREAS, the Water Issues Committee of this Board has recommended award of said Contract to the lowest responsive bidder, Innovative Construction Solutions, for an amount not to exceed \$347,500; and

WHEREAS, the Water Issues Committee of this Board has further recommended an increase to the project budget by \$165,000 to cover the anticipated construction and contingency expenses for a total project budget of \$365,000.

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. No. K-2025-1 is received

and filed.

Section 2: The lowest responsive bid of Innovative Construction Solutions., in the amount of \$347,500 is accepted and all other bids are rejected.

Section 3: An increase in the project budget allocation by \$165,000, for a total project budget of \$365,000 is hereby authorized as outlined herein.

15. Amendment No. 1 to Agreement with T.E. Roberts Santiago Basin Floating Pump Station Power Wire and Conduit Repairs
-

RESOLUTION NO. 25-2-18

AMENDMENT TO AGREEMENT WITH T.E. ROBERTS FOR THE SANTIAGO BASIN FLOATING PUMP STATION POWER WIRE AND CONDUIT REPAIRS

WHEREAS, pursuant to Resolution No. 24-6-68, adopted June 19, 2024, OCWD authorized issuance of an Agreement to T.E. Roberts in the amount of \$452,456 for the Santiago Basin Floating Pump Station Power Wire and Conduit Repairs; and

WHEREAS, staff has recommended issuance of Amendment No.1 to such Agreement with T.E. Roberts for an amount not to exceed \$64,757 for additional work to replace damaged floats and to install new stainless-steel tethers to buoy and connect the 12-inch conduit to the 36-inch discharge pipeline;

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby approve issuance of Amendment No. 1 to Agreement No. 1610 with T.E. Roberts as outlined herein; and, upon approval as to form by District General Counsel, its execution by the District officers is authorized.

16. Final Resilience Plan: Adaptive Strategies for Securing Abundant and Reliable Water Supplies

RESOLUTION NO. 25-2-19

RECEIVING AND FILING THE OCWD RESILIENCE PLAN AND AUTHORIZING NOTICE OF EXEMPTION

WHEREAS, staff has completed preparation of a new adaptive management plan titled the “OCWD Resilience Plan: Adaptive Strategies for Securing Abundant and Reliable Water Supplies” which will encompass a planning horizon of 5 to 25 years, enabling the District to prepare for and respond to changing conditions with short-term and long-term strategies; and

WHEREAS, the Water Issues Committee of this Board has recommended staff file an exemption from CEQA (Class 6 – Information Collection) for planning studies that do not have any potential to impact the environment; and

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

Section 1: The OCWD Resilience Plan is received and filed.

Section 2: Filing of a Categorical Exemption in compliance with the California Environmental Quality Act (CEQA) guidelines.

17. License Agreement for Existing Monitoring Well Site IDM-4 on Orange County Flood Control District Property
-

RESOLUTION NO. 25-2-20
AUTHORIZING THE GENERAL MANAGER TO FINALIZE AND EXECUTE A LICENSE
AGREEMENT WITH THE ORANGE COUNTY FLOOD CONTROL DISTRICT
FOR CONTINUED ACCESS TO EXISTING MONITORING WELL SITE IDM-4

RESOLVED, that the General Manager is authorized to finalize and execute a 10-year term License Agreement with the Orange County Flood Control District, including payment of an administrative fee not to exceed \$5,000, for continued access to existing monitoring well site IDM-4.

18. Amendment No. 1 to Agreement with MKN

RESOLUTION NO. 25-2-21
AMENDMENT TO MKN FOR DESIGN SERVICES FOR THE ANAHEIM LAKE VALVE VAULT
PROJECT

WHEREAS, pursuant to Resolution No. 24-11-141, adopted November 20, 2024, OCWD authorized issuance of an Agreement to MKN for design services for the Anaheim Lake Valve Vault Project; and

WHEREAS, staff has recommended issuance of Amendment No.1 to such Agreement with MKN for an amount not to exceed \$33,200 for additional work to revise the structural design of the vault due to increased depth of the existing valves being replaced.

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby approve issuance of Amendment No. 1 to Agreement No. 1681 with MKN as outlined herein; and, upon approval as to form by District General Counsel, its execution by the District officers is authorized.

19. Amendment No. 7 to Agreement with Intera for Additional Groundwater Modeling Services

RESOLUTION NO. 25-2-22
APPROVING AMENDMENT TO AGREEMENT WITH INTERA, INC. FOR ADDITIONAL
GROUNDWATER MODELING SERVICES REGARDING SUNSET GAP SEAWATER INTRUSION

WHEREAS, pursuant to Resolution No. 16-7-102 adopted July 20, 2016, as subsequently amended, OCWD issued Agreement No. 1175 to Intera, Inc. for expanding the Alamitos Gap groundwater model into the Sunset Gap area; and

WHEREAS, the Water Issues Committee of this Board has recommended issuance of Amendment No. 7 to such Agreement in the amount of \$57,550 for additional groundwater basin modeling of the Sunset Gap area;

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby approve the aforementioned Amendment to Agreement No. 1175 as outlined herein; and, upon approval as to form by General Counsel, its execution by the District officers is authorized.

20. Amendment No. 1 to Agreement with Scheevel Engineering to Assist with Final Design of the District's Prado Basin short-term compliance sediment removal obligation project
-

RESOLUTION NO. 25-2-23

APPROVING AMENDMENT TO AGREEMENT WITH SCHEEVEL ENGINEERING TO ASSIST IN THE SEDIMENT MANAGEMENT PLAN DEVELOPMENT AND LONG-TERM PLANNING NEEDS FOR SEDIMENT REMOVAL WITHIN THE PRADO BASIN

WHEREAS, pursuant to Resolution No. 24-7-77 adopted July 3, 2024, OCWD issued Agreement No. 1607 to Scheevel Engineering to assist in the Sediment Management Plan development and long-term planning needs for sediment removal within the Prado Basin; and

WHEREAS, the Water Issues Committee of this Board has recommended issuance of Amendment No. 1 to such Agreement in the amount of \$225,000, to assist with final design of the District's Prado Basin short-term compliance sediment removal obligation project;

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby approve the aforementioned Amendment to Agreement No. 1607 as outlined herein; and, upon approval as to form by General Counsel, its execution by the District officers is authorized.

21. Monthly Cash Control Report

MOTION NO. 25-16

RECEIVING AND FILING THE MONTHLY CASH CONTROL REPORTS

The Summary Cash and Cash Equivalents Control Reports dated December 31, 2024 and January 31, 2025 are hereby received and filed.

22. Investment Portfolio Holdings Reports

MOTION NO. 25-17

RECEIVING AND FILING INVESTMENT PORTFOLIO HOLDINGS REPORTS

The Investment Portfolio Holdings Reports dated December 21, 2024 are hereby received and filed

23. Investment Portfolio Holdings Reports

MOTION NO. 25-18

RECEIVING AND FILING INVESTMENT PORTFOLIO HOLDINGS REPORTS

The Investment Portfolio Holdings Reports dated January 31, 2025 are hereby received and filed.

24. Agreement to Utility Audit, Inc for Utility Bill Auditing Services

RESOLUTION NO. 25-2-24

AGREEMENT WITH UTILITY AUDIT, INC FOR UTILITY BILL AUDITING SERVICE

RESOLVED, that an agreement is authorized to Utility Audit, Inc. to provide Utility Bill Auditing Service for a one-year period, for a fee of 40% of refunds/credits identified and received by the District, and

upon approval as to form by District General Counsel, its execution by the District officers is authorized.

25. Request for Proposals for Audit Services

RESOLUTION NO. 25-2-25
AUTHORIZING ISSUANCE OF REQUEST FOR PROPOSALS FOR AUDIT SERVICES

Issuance of a Request for Proposals (RFP) is authorized for independent auditing services to include the District's fiscal audit, Single Audit (if required), Money Purchase Plan audit, 457 Plan audit and Ratio analysis.

26. Updated Master Services Agreement with Neogov

RESOLUTION NO. 25-2-26
APPROVING THE UPDATED MASTER SERVICES AGREEMENT WITH NEOGOV

The updated master services agreement with NeoGov is hereby approved.

27. Termination of North Basin Groundwater Protection Project and Expense Charges and Ratify Payment of U.S. Environmental Protection Agency

RESOLUTION NO. 25-2-27
APPROVING EXPENSE CHARGES TO C07013 THROUGH C07017, AND RATIFYING PAYMENT OF U.S. ENVIRONMENTAL PROTECTION AGENCY INVOICE

WHEREAS, some of the expenditures charged to capital project numbers C07013 through C07017 for the Board-terminated North Basin Groundwater Protection Project (NBGPP) need to be expensed and not capitalized; and

WHEREAS, the Water Issues Committee of this Board has recommended staff expense \$5,402,916 charged to capital project numbers C07013 through C07017 for the North Basin Groundwater Protection Project due to the District terminating that project; and

WHEREAS, the Water Issues Committee of this Board has further recommended payment of the U.S. Environmental Protection Agency invoice of \$249,603 for two years (10/01/2022 – 09/30/2024) of oversight and deliverable review associated with the District conducting a remedial investigation and feasibility study for the North Basin Interim Remedy and increase the Hydrogeology budget for Special Department Expenses by \$249,603 in FY 2024-25

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

Section 1: Staff is authorized to expense \$5,402,916 charged to capital project numbers C07013 through C07017 for the North Basin Groundwater Protection Project due to the District terminating that project.

Section 2: Payment of the U.S. Environmental Protection Agency invoice of \$249,603 for two years (10/01/2022 – 09/30/2024) of oversight and deliverable review associated with the District conducting a remedial investigation and feasibility study for the North Basin Interim Remedy is hereby approved and an increase in the Hydrogeology budget for Special Department Expenses by \$249,603 in FY 2024-25 is

hereby authorized.

28. SPLAN Software

RESOLUTION NO. 25-2-28

APPROVING AGREEMENT WITH SPLAN FOR A ONE-TIME IMPLEMENTATION COST AND AN ONGOING ANNUAL SUBSCRIPTION COST

RESOLVED, that an agreement is authorized with SPLAN for a one-time implementation cost of \$3,634 and an ongoing annual subscription cost of \$3,836 for Visitor Management Software, subject to approval as to form by the District's General Counsel.

29. Limited-Term Agreement for Environmental Specialist Field Biologist Alec Mang

RESOLUTION NO. 25-2-29

APPROVING LIMITED TERM EMPLOYMENT AGREEMENT WITH ALEC MANG AS ENVIRONMENTAL SPECIALIST FIELD BIOLOGIST

RESOLVED, that a Limited Term Employment Agreement is authorized with Alec Mang as an Environmental Specialist Field Biologist for a three-year term commencing February 22, 2025 at a rate of \$42.33 per hour (to be increased by 4% on February 22, 2026 and 4% on February 22, 2027), and, upon motion as to form by District General Counsel, its execution by the District officers is authorized.

30. Limited-Term Employment Request for an Environmental Monitoring/Permitting Specialist

MOTION NO. 25-19

APPROVING ADVERTISEMENT OF A THREE YEAR LIMITED-TERM EMPLOYMENT AGREEMENT FOR AN ENVIRONMENTAL MONITORING/PERMITTING SPECIALIST

Advertisement of a three year Limited-Term Employment Agreement for an Environmental Monitoring/Permitting Specialist is hereby approved.

31. Budget to Actual Second Quarter 2024-25

MOTION NO. 25-20

RECEIVING AND FILING THE BUDGET TO ACTUAL REPORT FOR THE SECOND QUARTER FISCAL YEAR 2024-25

The Budget to Actual Report for the Second Quarter of Fiscal Year 2024-25 ending December 31, 2024 is hereby received and filed.

32. Seal Beach Well Construction Loan Agreement

RESOLUTION NO. 25-2-30

APPROVING AGREEMENT WITH THE CITY OF SEAL BEACH

WHEREAS, pursuant to Resolution No. 24-11-151, the Producers Well Construction Loan Program template Agreement was approved on November 20, 2024, and

WHEREAS, in December 2024, the City of Seal Beach (City) submitted an application for the loan program to provide treatment for their high production Lampson Well (4,000 gpm) which has hydrogen sulfide and odor at higher flow rates.

WHEREAS, treatment will provide a meaningful increase in the amount of groundwater the City can safely and reliably produce from the Basin; and

WHEREAS, the Water Issues Committee of this Board has recommended approval of the agreement with the City of Seal Beach for \$4.45 million over a 20 year term.

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

33. Establish Audiovisual Project Budget and Authorize Services Agreement to Western Audio Visual and Security (Wavs) for Audiovisual Equipment and Services
-

RESOLUTION NO. 25-2-31

ESTABLISHING A PROJECT BUDGET FOR AUDIOVISUAL EQUIPMENT AND SERVICES
AND APPROVING A SERVICES AGREEMENT TO WAVS FOR THE PURCHASE,
CONFIGURATION, INSTALLATION, AND COMMISSIONING OF EQUIPMENT AND SERVICES

WHEREAS, the audiovisual system in the Boardroom, C2 and C3 conference rooms were installed 12 years ago by Integrated Media Systems (IMS) and have reached the end of life; and

WHEREAS, after evaluating four proposals, the District and Municipal Water Districts of Orange County (MWDOC) staff identified Western Audio Visual and Security (WAVS) as meeting the current and future requirements of both agencies; and

WHEREAS, the Water Issues Committee of this Board has recommended establishing a project budget for Audiovisual Equipment and Services of \$545,000, with reimbursement from the Municipal Water District of Orange County (MWDOC) of 33.6% of shared facility costs of up to approximately \$167,000; and

WHEREAS, the Water Issues Committee of this Board has further recommended authorizing issuance of a Services Agreement to WAVS for an amount not to exceed \$504,000 for the purchase, configuration, installation, and commissioning of equipment and services to replace the existing audiovisual systems in the Boardroom and C2 and C3 Conference Rooms.

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

Section 1: Staff is authorized to establish a project budget for Audiovisual Equipment and Services with reimbursement from MWDOC as outlined herein.

Section 2: An agreement is authorized to WAVS for an amount not to exceed \$504,000 for the purchase, configuration, installation, and commissioning of equipment and services to replace the existing audiovisual systems in the Boardroom and C2 and C3 Conference Rooms; and, upon approval as to form by District General Counsel, its execution by the District officers is authorized.

MATTER FOR CONSIDERATION

7. First Responder Appreciation Luncheon

Director Steve Sheldon requested staff provide a verbal report on this item. General Manager John Kennedy reported that this item was discussed at the February 6 Communications and Legislative Committee meeting where staff proposed that the District host a First Responder Appreciation Luncheon to express the District's gratitude in recognition of First Responders' invaluable support. Mr. Kennedy advised that the proposed budget for this event is \$10,000 but noted the event might be able to be held for less money. Director Sheldon stated that he fully supports first responders, however; he does not think this is an appropriate use of funds. He suggested finding other ways to honor first responders. After a lengthy discussion, all Directors agreed to defer this item back to the Communications and Legislative Committee to discuss hosting this type of event on a smaller scale.

MOTION NO. 25-21

DEFERRING ITEM BACK TO COMMUNICATIONS AND LEGISLATIVE COMMITTEE

Upon motion by Director Amezcua, seconded by Director Green and carried [10-0], the Board of Directors hereby defers this item to the Communications and Legislative Committee.

Ayes: Amezcua, Bilodeau, Green, Jung, Meeks, Nguyen, Sheldon, Tran, Weigand, Yoh

INFORMATIONAL ITEMS

34. Field Headquarters Recharge Operations Update

Director of Recharge and Wetland Operations Ben Smith provided an update on the prior week's rain and the annual Field Headquarters rainfall.

35. SAWPA Update

Director Bilodeau provided an update on recent SAWPA activities.

36. Water Resources Report

General Manager John Kennedy stated the report was in the packet.

37. 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.

February 6 – Communications and Legislative Committee

February 12 – Property Management Committee

February 13 – Administration and Finance Issues Committee

38. Verbal Reports

There were no verbal reports given.

RECESS TO CLOSED SESSION

General Counsel Jungreis advised that a closed session for OCWD v. 3M Company et al. was not needed this evening.

- CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION, [Government Code Section 54956.9 (a),(d) – OCWD v. Sanmina Corp. (South Basin)]
- ~~CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION, [Government Code Section 54956.9(a),(d)] – OCWD v. 3M Company et al.~~
- CONFERENCE WITH LABOR NEGOTIATORS
[Government Code Section 54957.6] OCWD designated representative: District President Denis Bilodeau, Non-Represented Employee: General Manager

RECONVENE IN OPEN SESSION

The Board reconvened in Open Session whereupon General Counsel Jungreis advised that there was one reportable item regarding OCWD v. Sanmina Corp. (South Basin). He reported that the Board approved a final settlement agreement with Emerson Electric Co. for a total of 3.5 million dollars in total settlement of litigation.

RESOLUTION NO. CS-25-2-1
APPROVING FINAL SETTLEMENT AGREEMENT WITH EMERSON ELECTRIC CO. FOR A
TOTAL OF 3.5 MILLION DOLLARS IN SETTLEMENT OF LITIGATION

ADJOURNMENT

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

Christina Fuller, District Secretary

Denis Bilodeau, President

MINUTES OF MEETING
BOARD OF DIRECTORS, ORANGE COUNTY WATER DISTRICT
March 5, 2025, 5:30 p.m.

Vice President Tran called to order the March 5, 2025 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 as follows. Public access was also provided via Zoom webinar.

Directors

Valerie Amezcua
Denis Bilodeau (arrived @5:35 p.m.)
Cathy Green
Fred Jung (arrived @5:37 p.m.)
Dina Nguyen (arrived @5:38 p.m.)
Natalie Meeks (absent)
Stephen Sheldon (participated as public)
Van Tran
Erik Weigand
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

Once quorum was established, the Consent Calendar was approved upon motion by Director Green, seconded by Director Jung and carried [8-0] as follows:

Ayes: Amezcua, Bilodeau, Green, Jung, Nguyen, Tran, Weigand, Yoh

Absent: Meeks, Sheldon

1. Approval of Cash Disbursements

MOTION NO. 25-22
APPROVING CASH DISBURSEMENTS

Payment of bills for the period of February 13, 2025 through February 26, 2025 in the total amount of 14,540,764.44 is ratified and approved.

2. Public Hearing on OCWD Vacancies, Recruitment and Retention Efforts

MOTION NO. 25-23
SCHEDULING PUBLIC HEARING

A public hearing is scheduled for April 2, 2025 to present the District's status on vacancies, recruitment and retention efforts.

3. General Manager Compensation

MOTION NO. 25-24
APPROVING INCREASE IN GENERAL MANAGER'S COMPENSATION

An approximate 12% increase to the General Manager's annual base salary changing it from \$320,361 to \$359,029 effective retroactively to January 26, 2025; and provide a \$11,000 onetime bonus is authorized.

ITEM RECOMMENDED FOR APPROVAL AT RETIREMENT COMMITTEE MEETING HELD
FEBRUARY 25

4. Secure Act 2.0 Optional Provisions for Retirement Plans

MOTION NO. 25-25
APPROVING ACTIONS IN CONNECTION WITH THE ADDITION OF SECURE ACT 1.0/2.0
OPTIONAL PROVISIONS

The following actions in connection with the Secure Act 1.0/2.0 optional provisions are hereby approved:

1. Self-certification of hardship and unforeseen emergency withdrawals – 457(b) plan;
2. Penalty-free withdrawal for domestic abuse cases with the participant self-certifying their eligibility – 457(b) plan;
3. Increased catch-up contribution limits – 457(b) plan;
4. Increase in small balance mandatory distribution threshold – 457(b) plan;
5. Qualified Birth and Adoption Distributions – 457(b) plan; and
6. Funds for Qualified Disaster Relief with the participant self-certifying their eligibility – 401(a) and 457(b) plans.

MATTER FOR CONSIDERATION

5. Local Agency Formation Commission of Orange County (LAFCO) Feasibility Study on the Consolidation of the Orange County Water District and the Municipal Water District of OC

General Manager John Kennedy advised that staff received the updated LAFCO Consolidation Study late this afternoon and stated that based upon LAFCO staff comments and staff's initial review, there are very few changes to the report from what was reviewed back in December 2024. He reported that the LAFCO Commission will review the document at its meeting on March 12th to receive and file the report. He advised that he and/or President Bilodeau will attend this meeting to thank LAFCO for preparing the document. Mr. Kennedy stated that staff has no recommendations for tonight's meeting.

INFORMATIONAL ITEMS

*The following item was presented and discussed first on the agenda.

6. Proposed Fiscal Year 2025-26 Budget

CFO/Treasurer Randy Fick reviewed the fiscal year 2025-26 proposed budget in the total amount of \$289.7 million. He advised that the General Fund budget of \$110.0 million contains \$4.8 million for PFAS Treatment O&M costs for Producers with an increase in headcount to 227. Mr. Fick stated that the water budget is proposed at \$11.1 million and includes 3,000 af of water purchases for the Alamitos Barrier and 5,000 af for MWD untreated water. He reviewed the projects included in the CIP budget of \$87,239,462

and presented the remaining budget components. Mr. Fick stated that next fiscal year's budget is based on an increased Replenishment Assessment of \$711/acre-foot and a Basin Production Percentage of 85%.

7. SAWPA Update

Director Bilodeau provided an update on recent SAWPA activities.

8. Committee/Conference/Meeting Reports

The Board reported on attendance at the following Committee meeting, noting the Action Agenda was included in tonight's Board packet.

February 25 – Retirement Committee

9. Verbal Reports

Director Green reported on her attendance at the ACWA DC Conference, noting she met with various Senators regarding PFAS liability. President Bilodeau, along with Directors Tran and Jung, reported on their attendance at the Urban Water Institute Spring Conference on February 26-28.

RECESS TO CLOSED SESSION

CONFERENCE WITH REAL PROPERTY NEGOTIATOR [Government Code Section 54956.8]

Real property located at: California Department of Transportation (Caltrans) land adjacent to APN 253-451-07 at Burris Basin OCWD negotiator: John Kennedy, Negotiating party: Caltrans, Under negotiation: Price and Terms

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 6:35 p.m.

Christina Fuller, District Secretary

Denis Bilodeau, President

AGENDA ITEM SUBMITTAL

Meeting Date: February 28, 2025

To: Property Management Committee
Board of Directors

From: John Kennedy

Staff Contact: B. Neel/D.Park/
R. Herndon/B. Dosier

Budgeted: N/A

Budgeted Amount: N/A

Cost Estimate: \$0

Funding Source: N/A

Program/ Line Item No.: N/A

General Counsel Approval: Yes

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

**Subject: EXECUTION OF REINSTATEMENT AND FIRST AMENDMENT TO GRANT
OF EASEMENT FOR MONITORING WELL TIC-67**

SUMMARY

In 1995, The Irvine Company (TIC) granted OCWD an easement for monitoring well TIC-67. The easement expired on September 20, 2020, but the well continues to serve as an important monitoring site. TIC has agreed to reinstate the easement. Staff recommends authorizing the General Manager to execute the Reinstatement and First Amendment to the Grant of Easement to ensure continued access to TIC-67.

Attachment: Reinstatement and First Amendment to Grant of Easement for existing monitoring well site TIC-67.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize the General Manager to execute the Reinstatement and First Amendment to the Grant of Easement with The Irvine Company, at no cost, with automatic annual renewals, for continued access to monitoring well TIC-67.

BACKGROUND/ANALYSIS

Monitoring well TIC-67 is a 900-foot-deep former irrigation well acquired by OCWD from TIC in 1994 for use as a monitoring well. At OCWD's request, rather than destroying the well, TIC granted an easement to allow OCWD to access, monitor, and maintain it.

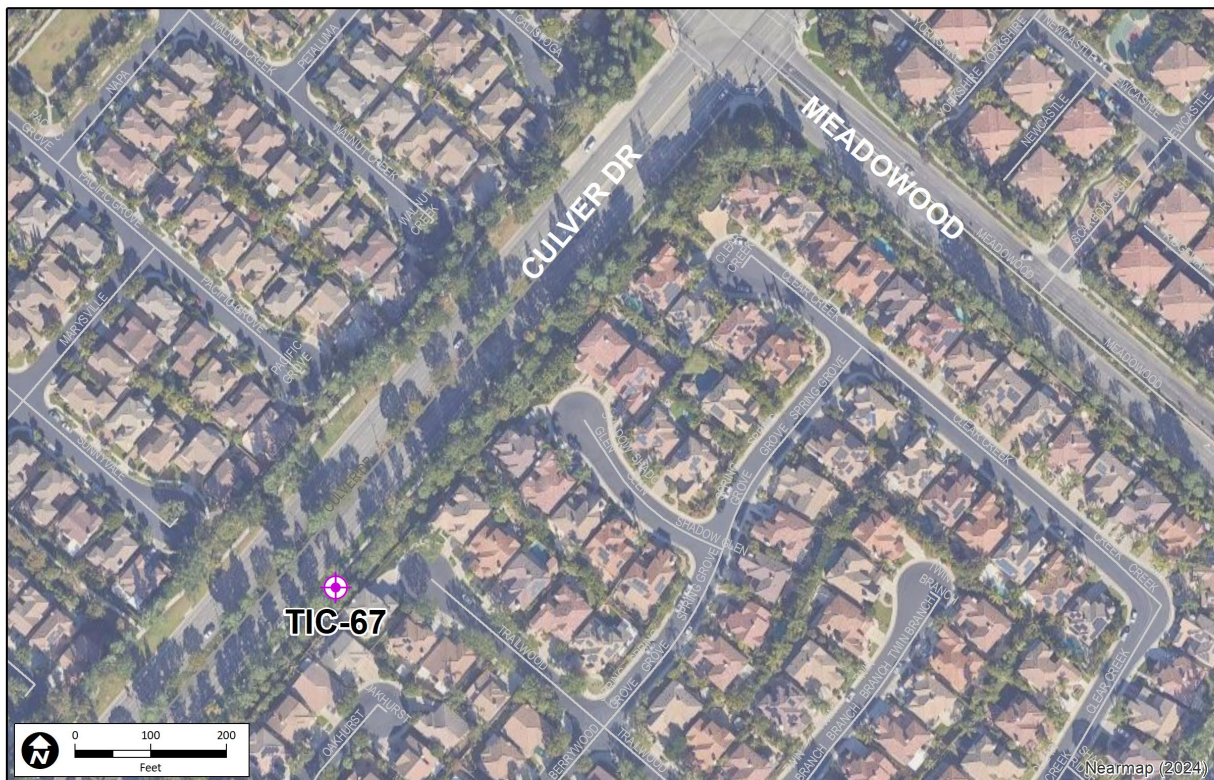
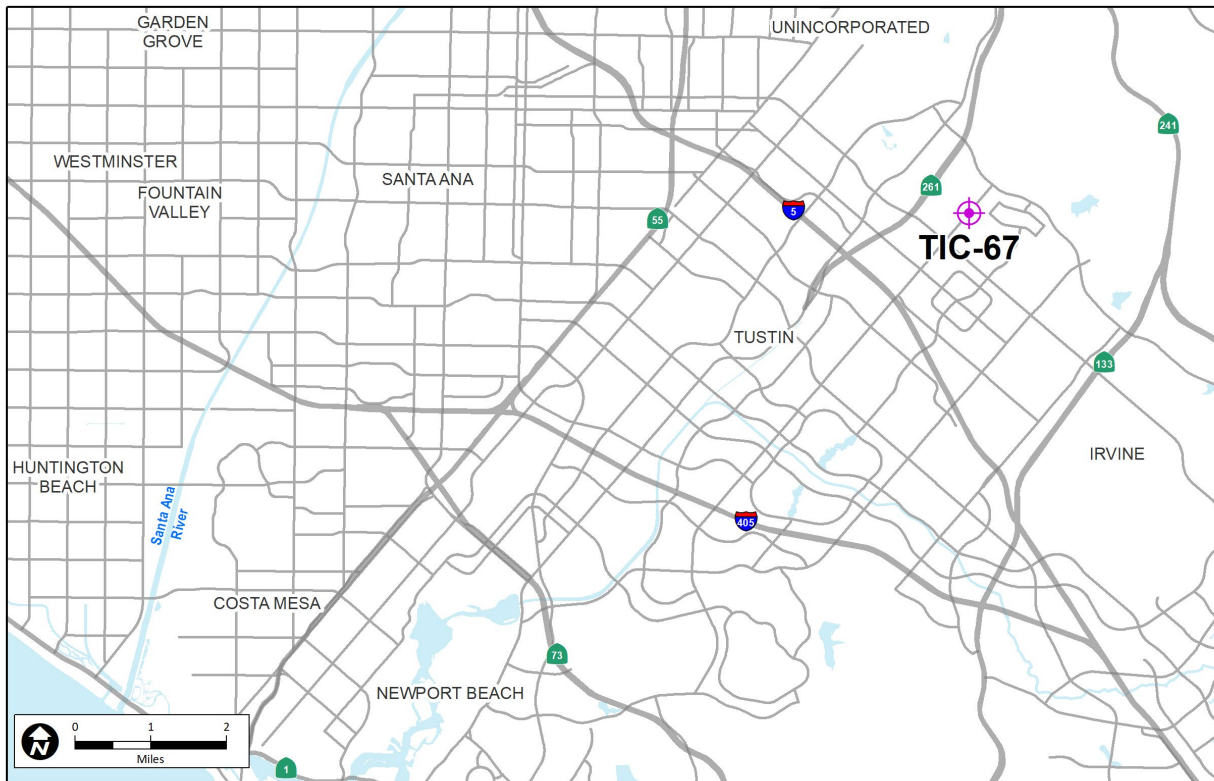
Located near the sidewalk along the northbound side of Culver Drive on TIC property in the city of Irvine (Figure 1), TIC-67 offers safe and convenient access for field staff. The well remains in reasonable condition and continues to provide critical water level data for the Principal aquifer in the recharge area of the Irvine Subbasin where no other wells exist. The groundwater level data are used in OCWD's annual basin storage calculations.

The easement expired on September 20, 2020, but the well remains in use as an important monitoring site. OCWD staff has negotiated a mutually acceptable agreement to amend and reinstate the Grant of Easement, which has been reviewed and approved by OCWD's General Counsel. This agreement will automatically renew annually unless cancelled by either party, effectively covering the life of the well. Staff recommends executing this no-cost agreement to ensure continued access and monitoring.

PRIOR RELEVANT BOARD ACTION(S)

R95-9-111 - 9/20/1995 – Adopt resolution ratifying acceptance of Grant of Easement from The Irvine Company for well No. TIC-67 in the City of Irvine.

Figure 1. Monitoring Well TIC-67 Location Map



**RECORDING REQUESTED BY:
AND WHEN RECORDED MAIL TO:**

THE IRVINE COMPANY LLC
550 Newport Center Drive
Newport Beach, CA 92660
Attn: General Counsel

SPACE ABOVE LINE FOR RECORDER'S USE ONLY

**REINSTATEMENT AND FIRST AMENDMENT TO
GRANT OF EASEMENT
MONITORING WELL TIC-67**

THIS REINSTATEMENT AND FIRST AMENDMENT TO GRANT OF EASEMENT (this "**Amendment**") is executed as of this ____ day of March, 2025 by and between THE IRVINE COMPANY LLC, a Delaware limited liability company, as successor-in-interest to The Irvine Company, a Michigan corporation ("**Grantor**"), on the one hand, and ORANGE COUNTY WATER DISTRICT, a special act district of the State of California organized under Chapter 924 of the Statutes of 1933, as amended ("**Grantee**"), on the other hand, with reference to the following facts:

A. Grantor and Grantee executed that certain Grant of Easement dated September 20, 1995 and recorded on October 6, 1995 as Document No. 19950440640 in the Official Records of Orange County, California (the "**Grant of Easement**"). Capitalized terms used herein that are not otherwise defined herein shall have their respective meanings as set forth in the Easement. The Grant of Easement expired by its terms on September 20, 2020.

B. The Easement encumbered the Land that became part of the Street Easement that Grantor dedicated to City pursuant to Section 6 of the Grant of Easement, which Land and Easement area are more particularly described and depicted in the Grant of Easement.

C. Grantee desires to continue utilizing the Easement in accordance with the terms and conditions of the Grant of Easement, and Grantor is willing to reinstate the Grant of Easement for purposes of continuing the Easement contained therein on the terms and conditions hereinafter provided.

NOW, THEREFORE, in consideration of the foregoing, and other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged by Grantee, the parties hereto agree as follows:

1. Reinstatement and Extension of Restrictions. The term of the Grant of Easement is hereby reinstated as of September 20, 2020, and extended until March 31, 2026. Thereafter,

the Grant of Easement shall automatically renew for successive one-year periods, unless terminated at any time by either Grantor or Grantee providing the other party with at least thirty (30) days prior written notice of such termination. Upon termination of the Grant of Easement, Grantee shall remove all surface improvements and shall plug and cap the Well in accordance with Section 4 of the Grant of Easement. All terms and conditions of the Grant of Easement (excluding the Temporary Easement) shall remain in full force and effect throughout the term of the Grant of Easement and any extensions thereof.

2. Notices. All notices, consents, requests, demands and other communications provided for herein shall be in writing and shall be deemed to have been duly given if and when personally delivered, on the date of delivery by courier or reputable overnight delivery service, or forty-eight (48) hours after being sent by United States registered or certified mail, return receipt requested, postage prepaid, to the other party at the following respective addresses:

Owner: The Irvine Company LLC
550 Newport Center Drive
Newport Beach, CA 92658-8904
Attention: Vice President, Community Development

Copy to: The Irvine Company LLC
550 Newport Center Drive
Newport Beach, CA 92658-8904
Attention: General Counsel

Grantee: Orange County Water District
18700 Ward Street
Fountain Valley, CA 92708
Attention: Property Management

or at such other address as Grantor or Grantee may designate to the other in writing.

3. Effect of Amendment; City Consent. Except as specifically modified pursuant to the terms of this Amendment, the terms and conditions of the Grant of Easement shall remain unmodified and in full force and shall be binding upon and run and pass with every portion of the Land, subject and subordinate to the Street Easement pursuant to Section 6 of the Grant of Easement and any other covenants, conditions, restrictions, reservations rights, rights-of-way, dedications, offers of dedication and easements of record, apparent by reasonable inspection or known to Grantee. Prior to any entry on the Land pursuant to this Amendment, Grantee shall obtain the consent of City and any encroachment permit required by City in connection therewith. In the event of any inconsistencies between the terms of this Amendment and any terms of the Grant of Easement, the terms of this Amendment shall govern and prevail.

4. Reaffirmation of Obligations. Grantor and Grantee each hereby acknowledge and affirm the terms and conditions contained in, and their respective obligations under, the Grant of Easement (excluding the Temporary Easement) as amended by the provisions of this

Amendment, and that this Amendment shall be binding upon, and enforceable against, Grantor and Grantee in accordance with its terms.

5. Counterparts. This Amendment may be executed and acknowledged in any number of counterparts, all of which executed and acknowledged counterparts shall together constitute a single document. Signature and acknowledgement pages may be detached from the counterparts and attached to a single copy of this document to physically form one document, which may be recorded.

IN WITNESS WHEREOF, the parties have executed this Amendment as of the date first above written.

GRANTOR:

THE IRVINE COMPANY LLC,
a Delaware limited liability company

By: _____
Jamie Yoshida
Executive Vice President
Community Development

By: _____
Dean Kirk
Vice President
Regulatory Compliance

GRANTEE:

ORANGE COUNTY WATER DISTRICT, a special
act district of the State of California organized under
Chapter 924 of the Statutes of 1933, as amended

By: _____
Denis Bilodeau, President

By: _____
John Kennedy, General Manager

By: _____
Jeremy Jungreis, General Counsel (as to form)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of _____)

On _____, before me, _____,
(insert name of notary)

Notary Public, personally appeared _____,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of _____)

On _____, before me, _____,
(insert name of notary)

Notary Public, personally appeared _____,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

AGENDA ITEM SUBMITTAL

Meeting Date: March 6, 2025

To: Communications/Leg. Liaison Cte.
Board of Directors

From: John Kennedy

Staff Contact: G. Ayala/A. Harasty

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: STATE LEGISLATIVE UPDATE

SUMMARY

Orange County Water District (OCWD; the District) staff and consultants will provide an update on legislation of interest to the District.

Attachments:

- Joe A. Gonsalves and Son – Edelstein Gilbert Robson & Smith March Report
- SB 72 (Caballero, D-Merced) The California Water Plan: long-term supply targets 'California Water for All'
- AB 794 (Gabriel, D-Encino) California Safe Drinking Water Act: emergency regulations
- SB 454 (McNerney, D-Stockton) State Water Resources Control Board: PFAS Mitigation Program

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for the March 19 Board meeting: Take the following positions:

Bill Number/Author	Short Title	Recommendation
SB 72 (Caballero, D-Merced)	The California Water Plan: long-term supply targets 'California Water for All'	Support
Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Related Bills:		
AB 794 (Gabriel, D-Encino)	California Safe Drinking Water Act: emergency regulations	Watch
SB 454 (McNerney, D-Stockton) ACWA Sponsored Bill	SB 454 State Water Resources Control Board: PFAS Mitigation Program	Support

DISCUSSION/ANALYSIS

Please see attached the “Joe A. Gonsalves and Son – Edelstein Gilbert Robson & Smith State Legislative Update.” Also, below are the bill summaries of the three state bills being considered.

SB 72 (Caballero D-Merced) The California Water Plan: long-term supply targets

According to the author, SB 72, ‘California Water for All,’ was introduced to modernize the California Water Plan to drought proof California and establish long-term water supply targets. No opposition to SB 72 has been registered at the time of this writing, and entities that are known in support include CA Municipal Utilities Association (co-sponsor), CA Council for Environmental & Economic Balance (co-sponsor), CA State Association of Counties (co-sponsor), Mesa Water, Irvine Ranch Water District, and Western Water, among others.

On Page 2 of Orange County Water District’s Legislative Platform, under the Water Supply title it states: “Support legislation that adds to the reliability, affordability, and security of water supplies to Orange County,” for this reason, OCWD staff and consultants recommend a “support” position on SB 72.

SB 72 would establish water supply targets to ensure the state adequately plans for water for all uses, including urban areas, agriculture and the environment, by modernizing the California Water Plan. SB 72 would require that state agencies develop a plan to achieve set targets, in consultation with local water agencies, wastewater service providers and other stakeholders. Among other provisions, SB 72 includes the following:

- Setting an interim target of 9 million acre-feet of additional water supply by 2040
- Establishing long-term water supply targets using a 50-year planning horizon
- Requiring state agencies to develop actionable plans to meet these targets

The bill would also require the State Water Resources Control Board (SWRCB) to conduct public workshops to give interested parties an opportunity to comment on the plan.

There is also a 2025-26 budget request to implement the bill of \$6.8 million in ongoing funds for five years and \$3.4 million ongoing for the Department of Water Resources (DWR) to update and modernize the California Water Plan and develop long-term targets for the state’s future water supply.

PFAS Bills:

AB 794 (Gabriel, D-Encino) California Safe Drinking Water Act: emergency regulations

AB 794 (Gabriel) grants the State Water Board authority to adopt emergency regulations implementing the requirements of any federal requirement in place on January 19, 2025. In addition, the bill would require the Board to adopt a primary drinking water standard for perfluoroalkyl and polyfluoroalkyl substances (PFAS) by January 1, 2026. At the time of this writing, there are no entities registered either in support or in opposition to this bill. This bill seems to go

against OCWD's PFAS-related policies, such as on Page 4 of OCWD's legislative platform it states, "Support development of PFAS MCLs through a rigorous health-based, scientific approach that promotes consistency across the nation." OCWD staff and consultants recommend a "watch" position as this bill is expected to be amended and we can bring the bill back to committee for another review, if needed. Also, OCWD consultants are monitoring changes by the federal government related to their development of PFAS regulations that would impact this legislation.

Additional Information: Specifically, the bill would prohibit an emergency regulation adopted from implementing less stringent drinking water standards and would authorize the regulation to include requirements that **are more stringent** than the requirements of the federal regulation. The bill would also make other changes to proceedings initiated upon the adoption of an emergency regulation to establish a public health goal and primary drinking water standards.

Background: Existing law, the California Safe Drinking Water Act (state act), requires the State Water Resources Control Board to administer provisions relating to the regulation of drinking water to protect public health. The state board's duties include, but are not limited to, enforcing the federal Safe Drinking Water Act (federal act) and adopting and enforcing regulations. Existing law authorizes the state board to adopt as an emergency regulation, a regulation that is **not more stringent than, and is not materially different in substance and effect than**, the requirements of a regulation promulgated under the federal act, with a specified exception.

SB 454 (McNerney, D-Stockton) State Water Resources Control Board: PFAS Mitigation Program

This bill would create the PFAS Mitigation Fund in the General Fund and would authorize the fund to be expended by the state board, upon appropriation by the Legislature. SB 454 is sponsored by the Association of California Water Agencies (ACWA). On Page 5 of OCWD's Legislative Platform it states, "Advocate for state and federal funding to ensure that adequate funds are available to address costs associated with PFAS monitoring, research and potential groundwater treatment by OCWD and local water suppliers." OCWD staff and consultants recommend a "support" position.

The bill would authorize the state board to seek out and accept nonstate, federal, and private funds, require those funds to be deposited into the PFAS Reduction Account within the PFAS Mitigation Fund, and continuously appropriate the moneys in the account to the state board for purposes of these provisions, thereby making an appropriation.

The bill would authorize the state board to expend moneys from the fund and account in the form of a grant, loan, or contract, or to provide assistance services to water suppliers and wastewater operators, as those terms are defined, for multiple purposes, including, among other things, to cover or reduce the costs for water suppliers associated with treating drinking water to meet the applicable state and federal maximum PFAS contaminant levels.

The bill would require a water supplier or wastewater operator to include a clear and definite purpose for how the funds will be used to provide a public benefit related to safe drinking water or treated wastewater in order to be eligible to receive funds. The bill would authorize the state board to adopt guidelines to implement these provisions.

ACTIVITIES

January 23 Alicia Harasty briefed staff to Assembly Member Avelino Valencia

AGENDA ITEM SUBMITTAL

Meeting Date: March 6, 2025

To: Communications/Leg. Liaison Cte.
Board of Directors

From: John Kennedy

Staff Contact: G. Ayala/A. Harasty

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: FEDERAL LEGISLATIVE UPDATE

SUMMARY

The Orange County Water District's (OCWD) federal advocate and staff will provide an update on federal regulations related to PFAS, funding for OCWD's projects and bills of interest to OCWD.

Attachments:

- Letter from Congressman Young Kim to the U.S. Army Corps of Engineers regarding the deviation at Prado Dam to capture additional stormwater
- ENS Resources March Update
- H.R. 1267 Congressmembers Marie Gluesenkamp Perez (D-WA) & Celeste Maloy (R-UT) Water Systems PFAS Liability Protection Act
- S. 322 Alex Padilla (D-CA) Improve Atmospheric River Forecasts Act

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Take the following positions:

Bill Number/Authors	Short Title	Recommended Position
H.R. 1267 Marie Gluesenkamp Perez (D-WA) & Celeste Maloy (R-UT)	Water Systems PFAS Liability Protection Act	Support
S. 322 Alex Padilla (D-CA)	Improve Atmospheric River Forecasts Act	Support

DISCUSSION/ANALYSIS

Please see attached "ENS Resources March Update," for a federal update regarding federal regulations related to PFAS and funding for OCWD's projects.

H.R. 1267 Marie Gluesenkamp Perez (D-WA) & Celeste Maloy (R-UT) Water Systems PFAS Liability Protection Act

H.R. 1267 is a bi-partisan bill that exempts water systems from liability under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 with respect to the releases of perfluoroalkyl and polyfluoroalkyl substances (PFAS). On page 4 of OCWD's Legislative Platform it states, "Advocate to exempt water and wastewater entities for any liability for PFAS clean-up costs if PFAS is listed under CERCLA as a hazardous waste. A water utility that properly disposes of residuals containing PFAS, in a manner consistent with applicable laws, must not be held liable for current and future costs associated with PFAS cleanup," which H.R. 1267 would accomplish. For this reason, OCWD staff and consultant recommend a "support" position. At the time of this writing, there are no entities registered in support or opposed to H.R. 1267.

S. 322 Padilla (D-CA) Improve Atmospheric River Forecasts Act

Co-sponsored by U.S. Senator Lisa Murkowski (R-AK), S. 322 is inspired by the research of Scripps Institute of Oceanography and is endorsed by them; the bill would improve the lead time, accuracy, and dissemination of forecasts of atmospheric rivers throughout the United States, among other provisions. The bill would make aircraft, personnel and scientific equipment available on the west coast November 1 through March 31 to aid in determining the location and severity of atmospheric rivers, which would support better water management at Prado Dam. On page 4 of OCWD's legislative platform it states, "Support adequate state and federal funding to increase understanding and prediction of atmospheric rivers that provide most of California's precipitation." Therefore, OCWD staff and consult recommend a "support" position for S. 322. At the time of this writing there is no entities registered in support of opposed to S. 322.

February 25	Director Green and Alicia Harasty participated in the ACWA Washington D.C. Conference and met with Senator Schiff. Alicia briefed Senator Schiff's staff, Congressman Kim's staff, Congressman Correa's staff on the need to exempt water entities from CERCLA liability related to PFAS, the need for letters to gain momentum on a deviation at Prado Dam to store more stormwater (see attached letter from Congressman Young Kim to the U.S. Army Corps of Engineers), and support for the Santiago Basin slope repair project to aid in groundwater recharge.
February 17	President Bilodeau and Alicia Harasty provided a briefing and tour of OCWD/GWRS to Congressman Dave Min and his staff
January 30	President Bilodeau, John Kennedy and Alicia Harasty briefed Congresswoman Young Kim and her staff on PFAS, FIRO, Sunset Gap, and Sediment removal from behind Prado Dam
January 22	Alicia Harasty briefed staff to the office of Congressman Lou Correa

AGENDA ITEM SUBMITTAL

Meeting Date: March 6, 2025

To: Communications/Leg. Liaison Cte.
Board of Directors

From: John Kennedy

Staff Contact: G. Ayala/A. Dunkin

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: ORANGE COUNTY WATER DISTRICT STATE AND FEDERAL
LEGISLATIVE GOALS & STRATEGY/ LEGISLATIVE PLATFORM**

SUMMARY

The Orange County Water District (OCWD; the District) annually updates the OCWD State and Federal Legislative Goals and Strategy (Goals), and reviews existing legislative policies contained in its Legislative Platform. OCWD staff reached out to OCWD's producers, key OCWD staff, consultants and the OCWD Communications/Leg. Liaison Committee for input. Attached are drafts that incorporate all the input that has been received.

Attachments:

- DRAFT OCWD 2025 State and Federal Legislative Goals and Strategy
- DRAFT OCWD 2025-26 Legislative Platform

RECOMMENDATION

Agendize for March 19 Board meeting: Approve the OCWD 2025 State and Federal Legislative Goals and Strategy and OCWD 2025-26 Legislative Platform

DISCUSSION

The OCWD State and Federal Legislative Goals and Strategy (attached) is a summary of District goals and a proposed means to achieve them for the upcoming biennium.

OCWD traditionally removes the legislative goals that have already been accomplished and develops new goals that reflect the needs of the District and retail water suppliers in OCWD's service area.

OCWD also provides the legislative policies or "Legislative Platform" to stakeholders for their input annually (attached).

OCWD staff reached out to OCWD's producers, key OCWD staff, consultants and the OCWD Communications/Leg. Liaison Committee for input.

AGENDA ITEM SUBMITTAL

Meeting Date: March 12, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: M. Patel/B. Smith

Budgeted: Yes

Proposed Budget: \$100,000

Cost Estimate: \$70,000

Funding Source: R&R

Program/Line Item No. R24023

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

**Subject: REQUEST FOR PROPOSALS: 2025 ASPHALT PAVEMENT
REHABILITATION DESIGN**

SUMMARY

In 2024, the District worked with a consultant to create a pavement management plan that resulted in a multi-year method of rehabilitating the 35-acres of asphalt surfaces it owns. It is recommended to hire a designer for the first year of rehabilitations.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize issuance of a Request for Proposals for the 2025 Asphalt Pavement Rehabilitation Design.

BACKGROUND/ANALYSIS

Many of the District's sites include asphalt pavements on roadways, parking lots, and maintenance yards that total an area greater than 35 acres across more than a dozen different sites. The sites are located in the cities of Fountain Valley, Anaheim, Orange, Corona, and unincorporated county areas. Some of the asphalt pavements are failing, while others are in various stages of disrepair. If proactively managed, asphalt pavements can have a long lifespan. Active maintenance of the surfaces reduces the lifecycle costs of asphalt pavements compared to replacements required after catastrophic failures. As part of its Replacement and Rehabilitation (R&R) program, the District sets aside funds each year for pavement maintenance.

In 2024, Staff worked with the consultant Bucknam Infrastructure Group, Inc. to assess existing pavement qualities and to map out a plan for their rehabilitations. The effort culminated in a Pavement Management Plan (PMP) that defines the Pavement Condition Index (PCI) for each section of asphalt, estimates the annual investment amounts that are required to maintain or improve the asphalt conditions, and recommends the sequence of work to be the most cost effective in the long-term. The PCI scale ranges from 0 to 100 and the weighted total PCI for District asphalts was found to be 74. Staff have interpreted the PMP and laid out a multi-year plan to

accomplish its recommendations (see Table 1) for which funding would draw from the R&R fund. The work is not expected to be eligible for grant funding since the pavement areas are generally not open for public use.

Table 1: Asphalt Pavement Management Plan

Fiscal Year	Cost Estimate
2024 - 25	\$ 100,000
2025 - 26	\$ 1,000,000
2026 - 27	\$ 950,000
2027 - 28	\$ 750,000
2028 - 29	\$ 1,500,000

Staff has prepared a Request for Proposals (RFP) for design of the fiscal year 2025-26 asphalt pavement construction work. The scope of work for this year will include approximately 432,400 square feet (9.9 acres) of asphalt pavement at the Fountain Valley campus (administration and GWRS treatment plant areas), the Green Acres Project's Santa Ana Reservoir, and pavements at Burris, Riverview, Five Coves, and Kraemer Basins. The fiscal year 2025-26 proposed budget includes three separate construction project line items in the R&R section. Proposals will be due in April and staff expects to bring a recommendation for Agreement award to the Board in May.

PRIOR RELEVANT BOARD ACTION(S)

N/A

AGENDA ITEM SUBMITTAL

Meeting Date: March 12, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Bouley/M. Patel/
F. Almario

Budgeted: Yes

Budgeted Amount: \$300,000

Cost Estimate: \$54,821

Funding Source: R&R

Program/Line Item No.: R24009

General Counsel Approval: N/A

Engineers Report: N/A

CEQA Compliance: N/A

Subject: EMERGENCY REPAIR WORK ORDER RATIFICATIONS

SUMMARY

The District annually establishes an emergency repair budget to facilitate a rapid response to periodic infrastructure failures and repairs. This budget item is funded by the District's Replacement and Refurbishment (R&R) reserves. Emergency expenditures in this fiscal year have totaled \$124,771.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting:

1. Ratify Work Order No. 7 of Agreement No. 1451 and payment to W.A. Rasic, Inc. for emergency repairs totaling \$29,258; and,
2. Ratify Work Order No. 10 of Agreement No. 1451 and payment to W.A. Rasic, Inc. for emergency repairs totaling \$25,563.

BACKGROUND/ANALYSIS

The District has implemented several measures to facilitate rapid response to emergency repairs, such as situations threatening loss of life or property. These measures are needed to respond immediately to emergencies that cannot wait for the District's normal processes to scope, design, bid, award, and execute construction work. The District has multi-year agreements in place with three contractors to respond to emergencies. The General Manager has been authorized to issue Work Orders in accordance with the emergency agreements. The District establishes an annual line item in each year's budget that is funded by the Replacement and Refurbishment (R&R) fund for emergency work. A budget of \$300,000 was established for FY 2024-25. A brief description of the emergency repairs are provided below.

Staff was notified of a damaged fiber optic vault on Garfield Avenue, just outside of the OC San gates. The metal hatch was permanently damaged due to semi-truck traffic

both entering and leaving the gates. A District emergency contractor was mobilized to secure the damaged vault by installing a traffic rated steel plate over the entire vault. This would prevent additional damage to the hatch and protect the fiber optic cable housed in the vault. A new heavy duty hatch section was ordered and installed by the contractor. The new hatch is rated for continuous semi-truck traffic. Total contractor invoicing for this repair amounted to \$29,258.

On September 25, 2024, staff was notified of a Green Acres Project (GAP) pipeline leak on Bear Avenue north of I-405, in the City of Costa Mesa. A District emergency contractor mobilized to the site to assess the extents of the leak. The area of the leak was excavated, and the leak was found to be from a lateral to a service connection. The damaged lateral and isolation valve were replaced, and the system was placed back online. Total contractor invoicing for this repair amounted to \$25,563.

Table 1: FY 2024-25 Emergency Repair Budget Summary

Description	Budget
Sinkhole in Fountain Valley – July 2024	
W.A. Rasic W.O.8 (<i>Ratified November 2024</i>)	\$ 14,299
RO Pipe Supports – August 2024	
T.E. Roberts W.O. 9/9A (<i>Ratified November 2024</i>)	\$ 55,650
Fiber Optic Vault Repair – July 2024	\$ 29,258
W.A. Rasic W.O.7	
GAP Pipeline Leak – September 2024	\$ 25,563
W.A. Rasic W.O. 10	
Emergency Repairs Total:	\$ 124,770
Remaining Repair Budget in FY 2024-25	\$ 175,230
Total Budget	\$ 300,000

Staff recommends ratification of Work Order 7 and Work Order 10 and payments to W.A. Rasic.

PRIOR RELEVANT BOARD ACTION(S)

3/20/24; R24-3-19: Authorize Amendments to Agreements for Emergency On-Call Repair Services with W.A. Rasic Construction Company, Inc., Doty Bros. Equipment Company, and T.E. Roberts, Inc. for Emergency On-Call Repair Services; and Authorize General Manager to Initiate Emergency Repairs with On-Call Firms.

AGENDA ITEM SUBMITTAL

Meeting Date: March 12, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Bouley/L. Esguerra

Budgeted: Yes

Budgeted Amount: \$200,000

Cost Estimate: \$200,000

Funding Source: R&R Fund

Program/Line Item No.: R22028

General Counsel Approval: N/A

Engineers/Feasibility Report: NA

CEQA Compliance: Cat. Ex.

**Subject: CONTRACT SB-2025-1, BOND BASIN SLOPE REPAIR PROJECT:
REQUEST FOR PROPOSALS FOR CONSTRUCTION MANAGEMENT
AND INSPECTION SERVICES**

SUMMARY

Publication of Notice Inviting Bids for Contract No. SB-2025-1, Bond Basin Slope Repair Project construction contract was authorized by the Board on February 19, 2025. Staff recommends issuing a Request for Proposal (RFP) for a construction management firm to oversee construction, construction inspection, and material testing services.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize issuance of RFP for Construction Management and Inspection Services for Contract No. SB-2025-1, Bond Basin Slope Repair Project.

DISCUSSION

Bond Basin is part of the Santiago Basins recharge system as shown in Figure 1. The southeasterly corner of the basin contains a City of Orange storm drain. Over the past few years, the supporting slope and storm drain failed causing significant erosion to the area. Emergency repair work to construct a soil nail wall with rip rap placement was completed in January 2023 (See Figure 2). Final design on the permanent repair and storm drain pipeline re-alignment was completed and publication of the Notice Inviting Bids for construction was authorized by the Board on February 19, 2025. It is anticipated that this work will take place this summer and continue for seven months.

Due to the complexity and high-profile location of the work Staff recommends issuing a Request for Proposals for a construction management firm to oversee construction and perform inspections. The RFP scope of work will generally include overseeing overall construction activities for the District including conducting construction progress meetings; facilitating responses to submittals, RFIs, and change order requests; daily inspections to confirm the slope repairs and storm drain re-alignment are constructed

per the plans and specifications; and material testing services the District cannot perform in-house such as fill material soil testing, soil compaction testing, concrete compressive strength testing, and special inspections of steel reinforcement.

Figure 1 – Project Location



Figure 2 – Soil Nail Wall at corner of Bond Basin



PREVIOUS BOARD ACTIONS

2/19/25, R25-2-15: Authorize filing of a Categorical Exemption in compliance of CEQA and authorize publication of Notice Inviting Bids for Contract No. SB-2025-1, Bond Basin Slope Repair Project.

3/20/24, R24-3-17: Authorize issuance of an Amendment to Agreement No. 1555 with ENGEO for final design services of Bond Basin slope repair and storm drain realignment for an amount not to exceed \$42,500.

10/18/23, R23-10-140: Authorize issuance of a Professional Services Agreement to ENGEO for design services for the permanent Bond Basin slope repair and storm drain extension for an amount not to exceed \$46,800.

11/16/22, R22-11-153: Ratify the emergency slope repair contract for Bond Basin in an amount of \$992,000 to Access Limited Construction and ratify an amendment issued to ENGEO Incorporated for testing, construction inspection and reporting for \$76,400.

10/5/22, R22-10-141: Authorized the General Manager to negotiate and execute a 50/50 cost share agreement with the city of Orange.

AGENDA ITEM SUBMITTAL

Meeting Date: March 12, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Bouley/F. Almario

Budgeted: Yes

Budgeted Amount: \$0

Cost Estimate: \$0

Funding Source: CIP/Fed. CPF

Program/Line Item No.: C24014

General Counsel Approval: Yes

Engineers Report: Completed

CEQA Compliance: Cat. Ex.

**Subject: CITY OF ANAHEIM WELLS 39 AND 47 PFAS TREATMENT SYSTEMS
PROJECT: ENGINEER'S REPORT AND CATEGORICAL EXEMPTION**

SUMMARY

The design for the City of Anaheim Wells 39 and 47 PFAS Treatment Systems Project is currently in progress. Both the design and the construction costs will be funded, in part, by a WaterSMART: Title XVI WIIN Act Grant from the United States Bureau of Reclamation. Staff recommends approving the Engineer's Report for the project and filing a Categorical Exemption in compliance with the California Environmental Quality Act guidelines.

Attachment: Engineer's Report for the City of Anaheim Wells 39 and 47 PFAS Treatment Systems Project

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board Meeting:

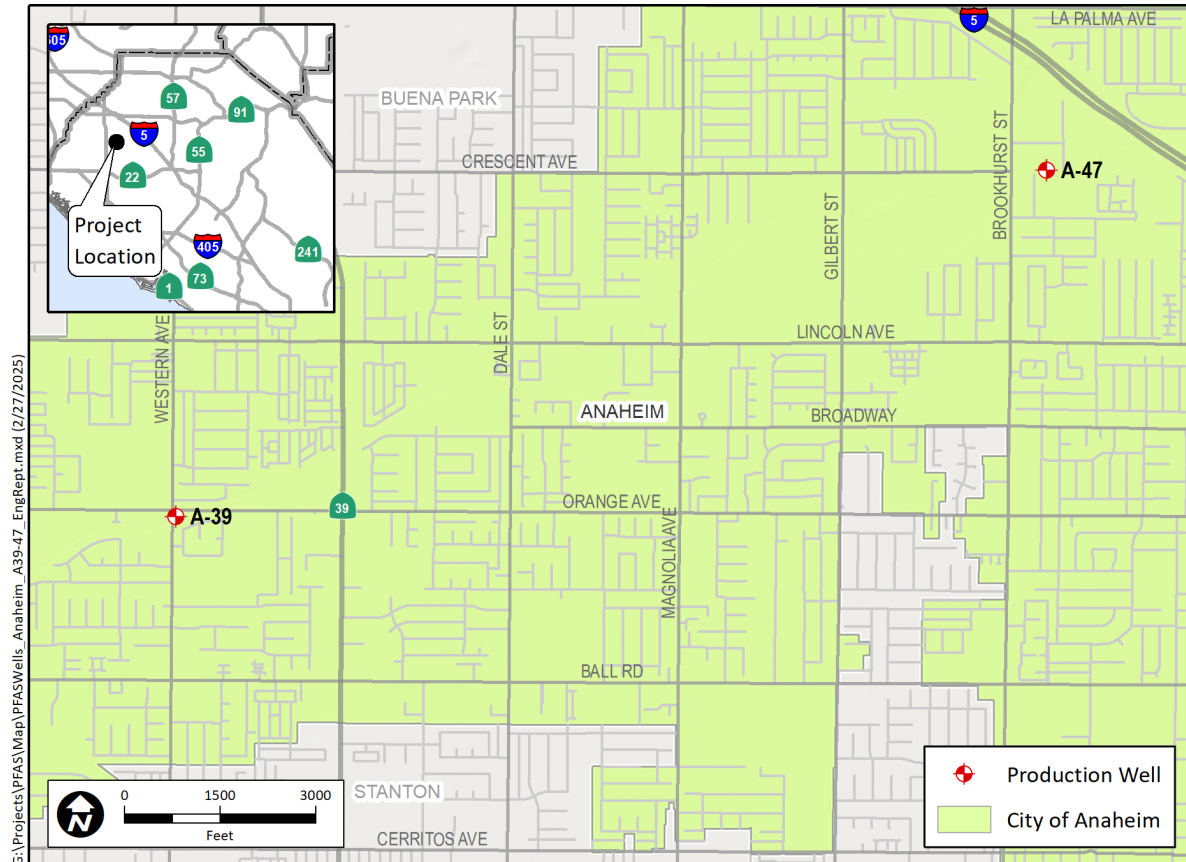
1. Approve the Engineer's Report for the City of Anaheim Wells 39 and 47 PFAS Treatment Systems Project and determine the project feasible, necessary and beneficial to the lands of the District; and
2. Authorize filing of a Categorical Exemption for the City of Anaheim Wells 39 and 47 PFAS Treatment Systems Project in compliance with the California Environmental Quality Act (CEQA) guidelines

BACKGROUND/ANALYSIS

To restore the use of groundwater supplies impacted by PFAS contaminants with minimal delay, the engineering firm, Hazen and Sawyer, began design of the City of Anaheim Wells 39 and 47 PFAS Treatment Systems Plant Project in September of 2024. Due to property constraints at the wells sites, a wellhead Ion Exchange (IX) treatment system has been selected as the treatment method. The number of vessels and required support systems needed for IX allows for less area to be occupied by the treatment plant than would be required for Granular Activated Carbon (GAC),

Nanofiltration (NF), or Reverse Osmosis (RO). Without additional land acquisition, IX quickly became the treatment choice for these sites. Hazen and Sawyer is currently in design of the PFAS treatment systems for Wells 39 and 47, and plans will be available for review by OCWD and the City of Anaheim in March 2025. Figure 1 shows the location of the City of Anaheim wells:

Figure 1: City of Anaheim PFAS Well Treatment Sites



The City of Anaheim Wells 39 and 47 PFAS Treatment Systems Project will include installing IX vessel systems and all pre-filtration, site piping, well modifications, electrical upgrades, and other appurtenances. Staff has determined that the Wells 39 and 47 PFAS Treatment Systems Project is consistent with a California Environmental Quality Act (CEQA) Categorical Exemption for New Construction or Conversion of Small Structures (Class 3) because it consists of the construction and operation of a limited number of new, small facilities or structures. The expected project schedule is shown in Table 1.

Table 1: City of Anaheim PFAS Treatment Project Schedule Summary

Description	Date
City of Anaheim Wells 39 & 47 PFAS Treatment Systems	
Design	Sept 2024 – Aug 2025

DDW Permitting	Aug 2025 – Jan 2028
Construction Contract	Nov 2026 – Jan 2028

The District was awarded a \$30 million Grant from the United States Bureau of Reclamation (USBR) as part of the WaterSMART: Title XVI WIIN Act. This funding, provided by Bipartisan Infrastructure Law, is designated for the District's PFAS treatment program to eliminate per- and polyfluoroalkyl substances from local groundwater. Therefore, both the design and construction costs of the City of Anaheim Wells 39 and 47 PFAS Treatment Systems Project will be funded, in part, by the WaterSMART:Title XVI WIIN Act Grant for PFAS projects up to \$30 Million. Staff is currently working with the USBR Denver Office on the final approval of the District's Grant application, PFAS program budget, funding matrix, program components and schedule, and NEPA and CEQA compliances.

However, prior to any construction costs being eligible for Grant reimbursement, the USBR is requiring that the District process a Categorical Exemption as part of the CEQA compliance. Upon completion of CEQA, the USBR will act as the lead agency for compliance with the National Environmental Policy Act (NEPA) – a process that can take up to six months to complete. This NEPA process is in addition to OCWD filing the CEQA Categorical Exemption and cannot proceed until after OCWD's filing is complete. Both the CEQA and NEPA environmental compliances require the Engineer's Report to provide the basis for the project. The recommended action in this submittal only includes approving the Engineer's Report and authorizing CEQA filing. This action does not include authorizing bidding or construction of the project. Staff will return to the Board to request authorization of a Notice Inviting Bids at a later date.

Staff recommends approving the Engineer's Report and authorizing the filing of a Categorical Exemption in compliance with CEQA guidelines for the City of Anaheim Wells 39 and 47 PFAS Treatment Systems Project.

PRIOR RELEVANT BOARD ACTION(S)

None

AGENDA ITEM SUBMITTAL

Meeting Date: March 12, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Bouley/F. Almario

Budgeted: Yes

Budgeted Amount: \$0

Cost Estimate: \$0

Funding Source: CIP/Fed. CPF

Program/Line Item No.: C24001

General Counsel Approval: Yes

Engineers Report: Completed

CEQA Compliance: Cat. Ex.

**Subject: CITY OF ANAHEIM WELLS 48 AND 53 PFAS TREATMENT SYSTEMS
PROJECT: ENGINEER'S REPORT AND CATEGORICAL EXEMPTION**

SUMMARY

The design for the City of Anaheim Wells 48 and 53 PFAS Treatment Systems Project is currently in progress. Both the design and the construction costs will be funded, in part, by a WaterSMART: Title XVI WIIN Act Grant from the United States Bureau of Reclamation. Staff recommends approving the Engineer's Report for the project and filing a Categorical Exemption in compliance with the California Environmental Quality Act guidelines.

Attachment: Engineer's Report for the City of Anaheim Wells 48 and 53 PFAS Treatment Systems Project

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board Meeting:

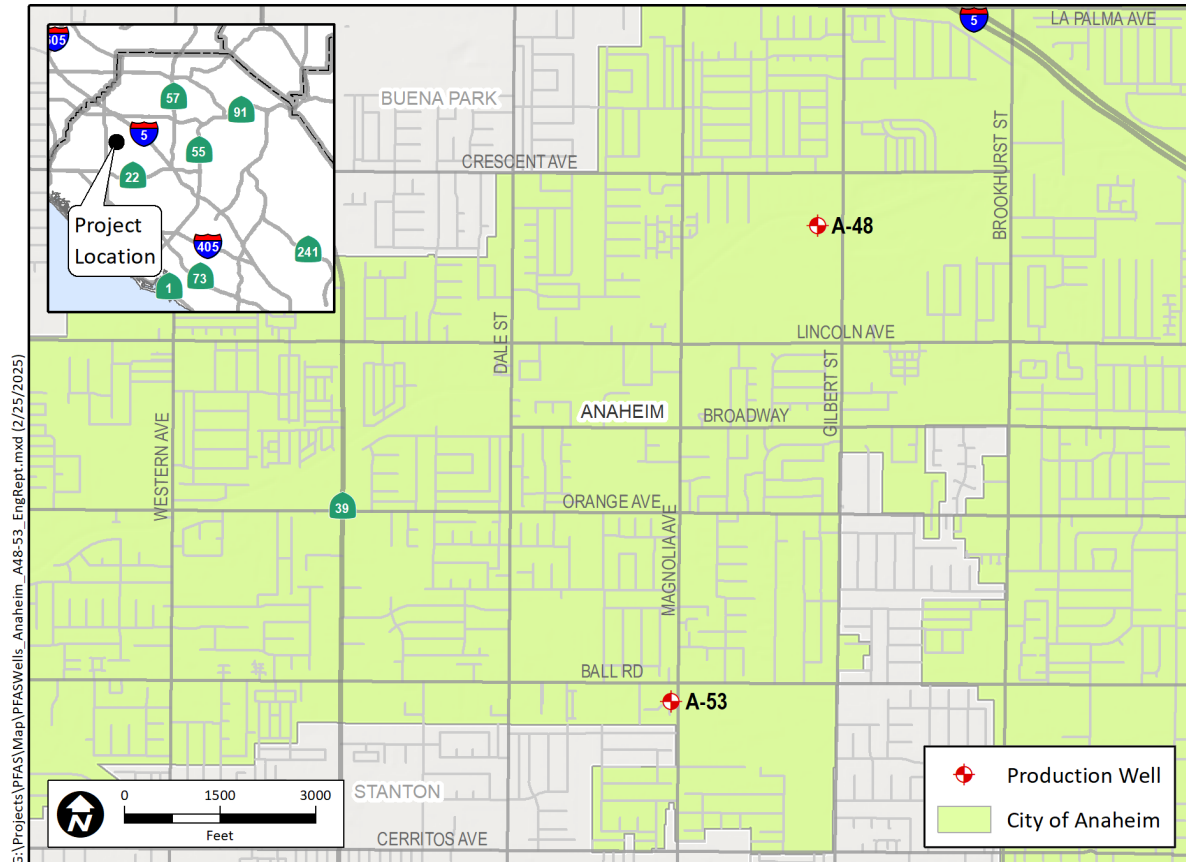
1. Approve the Engineer's Report for the City of Anaheim Wells 48 and 53 PFAS Treatment Systems Project and determine the project feasible, necessary and beneficial to the lands of the District; and
2. Authorize filing of a Categorical Exemption for the City of Anaheim Wells 48 and 53 PFAS Treatment Systems Project in compliance with the California Environmental Quality Act (CEQA) guidelines

BACKGROUND/ANALYSIS

To restore the use of groundwater supplies impacted by PFAS contaminants with minimal delay, the engineering firm, Hazen and Sawyer, began design of the City of Anaheim Wells 48 and 53 PFAS Treatment Systems Plant Project in September of 2024. Due to property constraints at the wells sites, a wellhead Ion Exchange (IX) treatment system has been selected as the treatment method. The number of vessels and required support systems needed for IX allows for less area to be occupied by the treatment plant than would be required for Granular Activated Carbon (GAC),

Nanofiltration (NF), or Reverse Osmosis (RO). Without additional land acquisition, IX quickly became the treatment choice for these sites. Hazen and Sawyer is currently in design of the PFAS treatment systems for Wells 48 and 53, and plans will be available for review by OCWD and the City of Anaheim in March 2025. Figure 1 shows the location of the City of Anaheim wells:

Figure 1: City of Anaheim PFAS Well Treatment Sites



The City of Anaheim Wells 48 and 53 PFAS Treatment Systems Project will include installing IX vessel systems and all pre-filtration, site piping, well modifications, electrical upgrades, and other appurtenances. Staff has determined that the Wells 48 and 53 PFAS Treatment Systems Project is consistent with a California Environmental Quality Act (CEQA) Categorical Exemption for New Construction or Conversion of Small Structures (Class 3) because it consists of the construction and operation of a limited number of new, small facilities or structures. The expected project schedule is shown in Table 1.

Table 1: City of Anaheim PFAS Treatment Project Schedule Summary

Description	Date
City of Anaheim Wells 48 & 53 PFAS Treatment Systems	
Design	Sept 2024 – Aug 2025

DDW Permitting	Aug 2025 – Aug 2027
Construction Contract	Nov 2025 – Aug 2027

The District was awarded a \$30 million Grant from the United States Bureau of Reclamation (USBR) as part of the WaterSMART: Title XVI WIIN Act. This funding, provided by Bipartisan Infrastructure Law, is designated for the District's PFAS treatment program to eliminate per- and polyfluoroalkyl substances from local groundwater. Therefore, both the design and construction costs of the City of Anaheim Wells 48 and 53 PFAS Treatment Systems Project will be funded, in part, by the WaterSMART:Title XVI WIIN Act Grant for PFAS projects up to \$30 Million. Staff is currently working with the USBR Denver Office on the final approval of the District's Grant application, PFAS program budget, funding matrix, program components and schedule, and NEPA and CEQA compliances.

However, prior to any construction costs being eligible for Grant reimbursement, the USBR is requiring that the District process a Categorical Exemption as part of the CEQA compliance. Upon completion of CEQA, the USBR will act as the lead agency for compliance with the National Environmental Policy Act (NEPA) – a process that can take up to six months to complete. This NEPA process is in addition to OCWD filing the CEQA Categorical Exemption and cannot proceed until after OCWD's filing is complete. Both the CEQA and NEPA environmental compliances require the Engineer's Report to provide the basis for the project. The recommended action in this submittal only includes approving the Engineer's Report and authorizing CEQA filing. This action does not include authorizing bidding or construction of the project. Staff will return to the Board to request authorization of a Notice Inviting Bids at a later date.

Staff recommends approving the Engineer's Report and authorizing the filing of a Categorical Exemption in compliance with CEQA guidelines for the City of Anaheim Wells 48 and 53 PFAS Treatment Systems Project.

PRIOR RELEVANT BOARD ACTION(S)

None

AGENDA ITEM SUBMITTAL

Meeting Date: March 12, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Bouley/L. Esguerra

Budgeted: Yes

Budgeted Amount: \$0

Cost Estimate: \$0

Funding Source: CIP/Fed. CPF

Program/Line Item No.: C24008

General Counsel Approval: Yes

Engineers Report: Completed

CEQA Compliance: Cat. Ex.

**Subject: CITY OF SANTA ANA PFAS TREATMENT AT JOHN GARTHE
RESERVOIR: ENGINEER'S REPORT AND CATEGORICAL EXEMPTION**

SUMMARY

The final plans and specifications for the City of Santa Ana PFAS Treatment at John Garthe Reservoir Project (Project) are nearing completion. Both the design and the construction costs will be funded, in part, by a WaterSMART: Title XVI WIIN Act Grant from the United States Bureau of Reclamation. Staff recommends approving the Engineer's Report for the project and filing a Categorical Exemption in compliance with the California Environmental Quality Act guidelines.

Attachment: Engineer's Report for the City of Santa Ana PFAS Treatment at John Garthe Reservoir Project

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board Meeting:

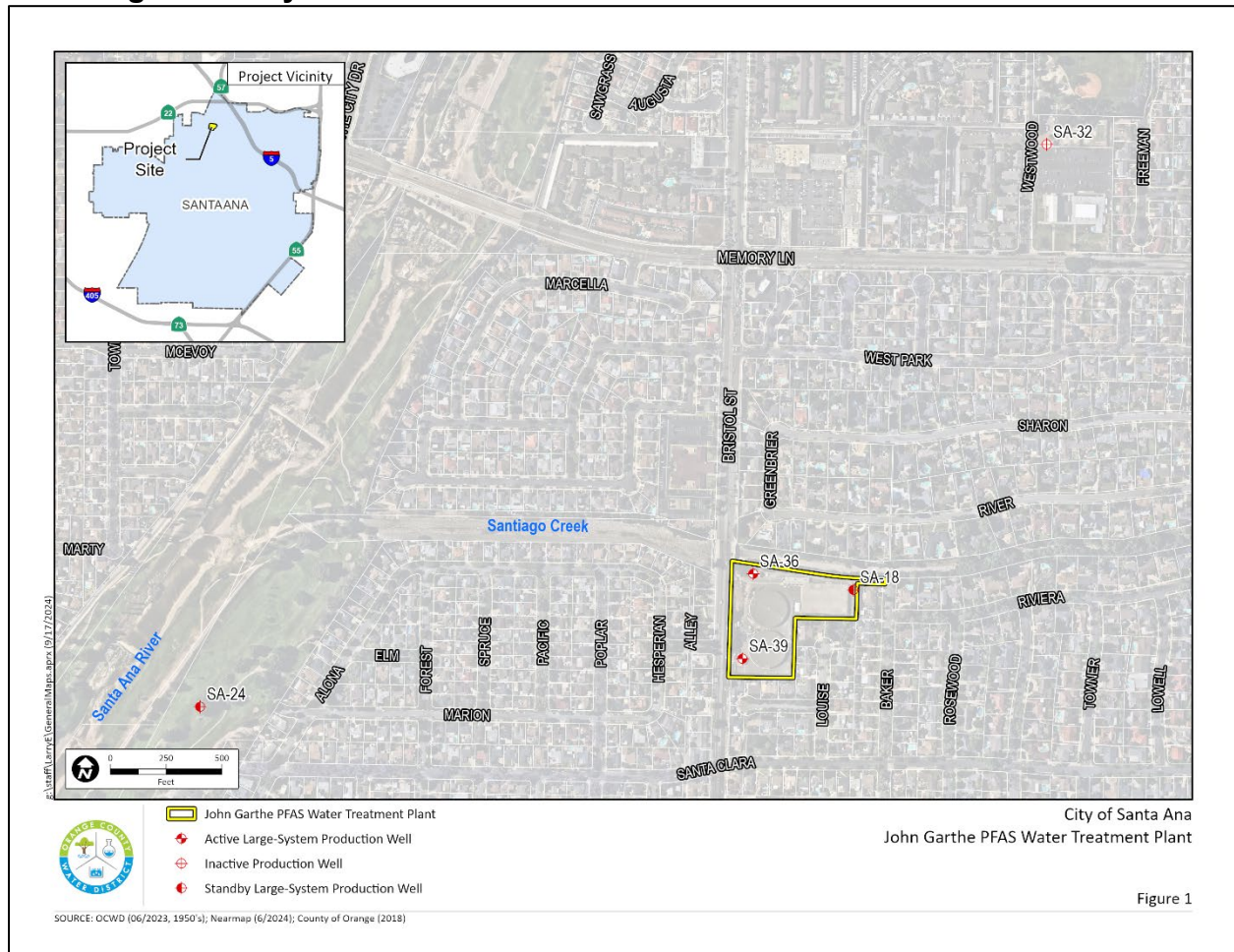
1. Approve the Engineer's Report for the City of Santa Ana PFAS Treatment at John Garthe Reservoir Project and determine the project feasible, necessary and beneficial to the lands of the District; and
2. Authorize filing of a Categorical Exemption for the City of Santa Ana PFAS Treatment at John Garthe Reservoir Project in compliance with the California Environmental Quality Act (CEQA) guidelines;

BACKGROUND/ANALYSIS

In anticipation of the US Environmental Protection Agency issuing National Primary Drinking Water Regulation for PFAS, the City of Santa Ana prepared conceptual layouts for PFAS treatment systems for five City wells; 18, 24, 32, 36, and 39. In November 2023, the City of Santa Ana contracted design to Tetra Tech for the installation of six ion exchange vessel systems for the treatment of five wells at a centralized PFAS treatment plant located at the City's John Garthe Reservoir shown on Figure 1. Due to site constraints at the reservoir site IX treatment with a capacity of 9,600 gallon per minute

has been selected. The City is nearing completion of design and requested to be reimbursed for design costs and have the project be “OCWD-Built” per the District’s PFAS program.

Figure 1: City of Santa Ana PFAS Treatment at John Garthe Reservoir



Staff has determined that the City of Santa Ana project is consistent with the Categorical Exemption for New Construction or Conversion of Small Structures (Class 3) because it consists of the construction and operation of a limited number of new, small facilities or structures. The expected project schedule is shown in Table 1.

Table 1: City of Santa Ana PFAS Treatment at John Garthe Reservoir Schedule Summary

Description	Date
City of Santa Ana PFAS Treatment at John Garthe	
Design	Nov 2023 – April 2025
DDW Permitting	Nov 2023 – July 2027
Construction Contract	July 2025 – July 2027

The District was awarded a \$30 million Grant from the United States Bureau of Reclamation (USBR) as part of the WaterSMART: Title XVI WIIN Act. This funding, provided by Bipartisan Infrastructure Law, is designated for the District’s PFAS

treatment program to eliminate per- and polyfluoroalkyl substances from local groundwater. Therefore, both the design and construction costs of the City of Santa Ana PFAS Treatment at John Garthe Reservoir Project will be funded, in part, by the WaterSMART:Title XVI WIIN Act Grant for PFAS projects up to \$30 Million. Staff is currently working with the USBR Denver Office on the final approval of the District's Grant application, PFAS program budget, funding matrix, program components and schedule, and Federal environmental compliances.

However, prior to any construction costs being eligible for Grant reimbursement, the USBR is requiring that the District process a Categorical Exemption as part of CEQA compliance. Upon completion of CEQA, the USBR will act as the lead agency for compliance with the National Environmental Policy Act (NEPA) – a process that can take up to six months to complete. This NEPA process is in addition to OCWD filing the CEQA Categorical Exemption and cannot proceed until after OCWD's filing is complete. Both the CEQA and NEPA environmental compliances require the Engineer's Report to provide the basis for the project. The recommended action in this submittal only includes approving the Engineer's Report and authorizing CEQA filing. This action does not include authorizing bidding or construction of the project. Staff will return to the Board to request authorization of a Notice Inviting Bids at a later date.

Staff recommends approving the Engineer's Report and authorizing the filing of a Categorical Exemption in compliance with CEQA guidelines for the City of Santa Ana PFAS Treatment at John Garthe Reservoir Project.

PRIOR RELEVANT BOARD ACTIONS

1/22/20, R20-1-12 - Approved modifications to the PFAS Policy

11/20/19, R19-146 - Approved PFAS Policy

AGENDA ITEM SUBMITTAL

Meeting Date: March 12, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Bouley/A. Perry

Budgeted: Yes

Budgeted Amount: \$97,958

Cost Estimate: \$59,198

Funding Source: WIFIA; SWRCB

Program/Line Item No.: C19020

General Counsel Approval: Yes

Engineers Report: Completed

CEQA Compliance: Cat. Ex.

**Subject: AUTHORIZE AMENDMENT NO. 1 TO WORK ORDER TO
ENVIRONMENTAL SCIENCE ASSOCIATES FOR ARCHEOLOGICAL
MONITORING AT SA-2023-1**

SUMMARY

The conditions of approval for the SWRCB Principal Forgiveness Grant that is partially funding construction of the City of Santa Ana PFAS Water Treatment Plant Well Nos. 27 & 28 require the implementation of archeological construction monitoring. The Contractor has encountered many more archeological objects than normal, and this has greatly increased monitoring costs. Staff recommends authorizing Amendment No. 1 to Work Order 12 to Agreement 1135 with Environmental Science Associates (ESA), in the amount of \$59,198, to conduct archeological monitoring during the remainder of the construction of the facilities.

Attachment: ESA archeological monitoring proposal dated January 27, 2025

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize Amendment No. 1 to Work Order 12 to Agreement 1135 with ESA, in the amount of \$59,198, to continue archeological monitoring during new ground disturbance activities for the construction of City of Santa Ana PFAS Water Treatment Plant Well Nos. 27 & 28.

BACKGROUND/ANALYSIS

To restore the use of groundwater supplies impacted by PFAS contaminants, the Board awarded Contract SA-2023-1 to Caliaqua Incorporated for the construction of PFAS treatment at Wells SA-27 and SA-28. The Wells SA-27 & SA-28 project received a SWRCB Principal Forgiveness Grant that will fund up to 50% of OCWD's project costs up to \$5M. The conditions of approval of this grant require the implementation of archeological monitoring during construction activities that require new ground disturbances.

In November 2024, the Board authorized a work order to the consulting firm ESA, who is currently approved on the District's On-Call environmental consultants list to conduct

archeological monitoring for the project. ESA provided the original proposal based on an initial assessment of the number of days of ground disturbances at the site that would require archeological monitoring. However, as work has progressed, Staff has identified additional days of ground disturbances requiring archeological monitoring. Additionally, current ground disturbances at the project site have resulted in the identification of approximately 20 historic period artifacts that require documentation. This number of artifacts is much higher than normally anticipated for a similar site, and the cost of the work required to document these artifacts is taking away from the original budget for ground disturbance monitoring. Therefore, an amendment to the original Agreement is required. Table 1 shows the archeological monitoring costs within the overall project budget.

**Table 1: City of Santa Ana PFAS Water Treatment Plant
Wells No. 27 & 28 Budget Summary**

Description	Budget	Proposed Expenditure
Design and Construction Management		
Design-Work Order 3 Wells 27 & 28 (Stantec)	\$870,332	\$870,332
Work Order 3A (CM Services)	\$517,968	\$517,968
Design and CM Subtotal	\$1,388,300	\$1,388,300
Construction		
Contract SA-2023-1	\$12,327,491	\$12,327,491
Treatment Vessels (Aqueous Vets)	\$1,087,020	\$1,087,020
IX Resin	\$850,000	\$850,000
Permits and Advertisement Costs	\$50,000	\$50,000
Staff Expenses	\$50,000	\$50,000
<i>Archeological Monitoring</i>	\$0	\$97,958
Construction Subtotal	\$14,364,511	\$14,462,469
<i>Project Contingency (5% of Contract Amount)</i>	\$616,375	\$518,417
Total Project Budget	\$16,369,186	\$16,369,186
City of Santa Ana Contribution Appx.	\$4,282,150	\$4,282,150
Total Cost to OCWD	\$12,087,036	\$12,087,036

ESA has demonstrated expertise in conducting archeological construction monitoring on behalf of OCWD in support of several projects, including the GWRS Final Expansion project and installation of a monitoring well in Seal Beach that was a component of the Sunset Gap Monitoring Wells project. Staff recommends authorizing Amendment No. 1 for Work Order 12 to Agreement 1135 with ESA, in the amount of \$59,198, to continue archeological monitoring for the remainder of new ground disturbance activities at the City of Santa Ana PFAS Water Treatment Plant Well Nos. 27 & 28.

PRIOR RELEVANT BOARD ACTIONS

11/20/24, R24-11-143: Authorize Work Order No. 12 to Agreement 1135 with Environmental Science Associates ESA, in the amount of \$38,760 to conduct archeological monitoring for portions of the construction of City of Santa Ana PFAS Water Treatment Plant Well Nos. 27 & 28.

06/19/2024, R24-6-63: Award Contract SA-2023-1 City of Santa Ana PFAS Water Treatment Plant Wells No. 27 & 28 to Caliaqua Incorporated.

12/15/2021, R21-12-177: Approve the Engineer's Report for the City of Santa Ana Wells SA-27, SA-28, SA-31, and SA-40 PFAS Water Treatment Plant Project and determine the project feasible, necessary and beneficial to the lands of the District; Authorize the General Manager to execute the Agreement Regarding Temporary Right of Entry between the District and the Redwoods Homeowners Association.

AGENDA ITEM SUBMITTAL

Meeting Date: March 12, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: K. O'Toole/Z. Henderson

Budgeted: Yes

Budgeted Amount: \$70,000

Cost Estimate: \$70,000

Funding Source: General Fund/Outside
Partners Reimbursement

Program/Line Item No. 1044.53001

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

**Subject: MULTISPECTRAL AERIAL IMAGERY AND LIGHT DETECTION RANGING
(LIDAR) DATA ACQUISITION OF PRADO BASIN RFP**

The District periodically collects aerial imaging and other remote sensing data of Prado Basin to assist with assessment of vegetation health and sedimentation, which are critical factors related to water conservation behind Prado Dam. Staff have coordinated with Inland Empire Utilities Agency and Chino Basin Watermaster to cost share a portion of the 2025 aerial image. Staff is requesting Board authorization to issue a request for proposals from qualified firms to collect remote sensing data of Prado Basin.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize issuance of request for proposals for multispectral aerial imagery and LiDAR data acquisition of Prado Basin.

BACKGROUND/ANALYSIS

Prado Basin is dynamic and can experience significant year over year changes from natural (e.g. weather) and human caused (e.g. fires) events. These events can result in significant changes to vegetation and sediment deposition in Prado Basin. To support water conservation activities behind Prado Dam OCWD needs to identify locations where changes are occurring and evaluate ways to minimize their impact on OCWDs interest.

To help achieve these goals the District periodically collects aerial imaging and LiDAR data of Prado Basin to assist with assessment of vegetation health, Arundo Donax control, habitat mapping, determining sedimentation rates and updating elevation contours. The proposed mapping area is shown in Figure 1. These images are compared with prior years images to identify, monitor and evaluate changes.

The aerial image is taken annually around July 1st of each year to assist in comparing year over year changes in vegetation health. The cost of the image is shared 50/50 with the Prado Basin Habitat Sustainability Committee, which is administered by the Chino Basin Water Master and the Inland Empire Utilities Agency.

OCWD regularly collects LiDAR data in Prado Basin to obtain highly accurate ground surface contours and uses them to track and study sedimentation rates and locations. The cost of LIDAR will not be funded by other agencies.

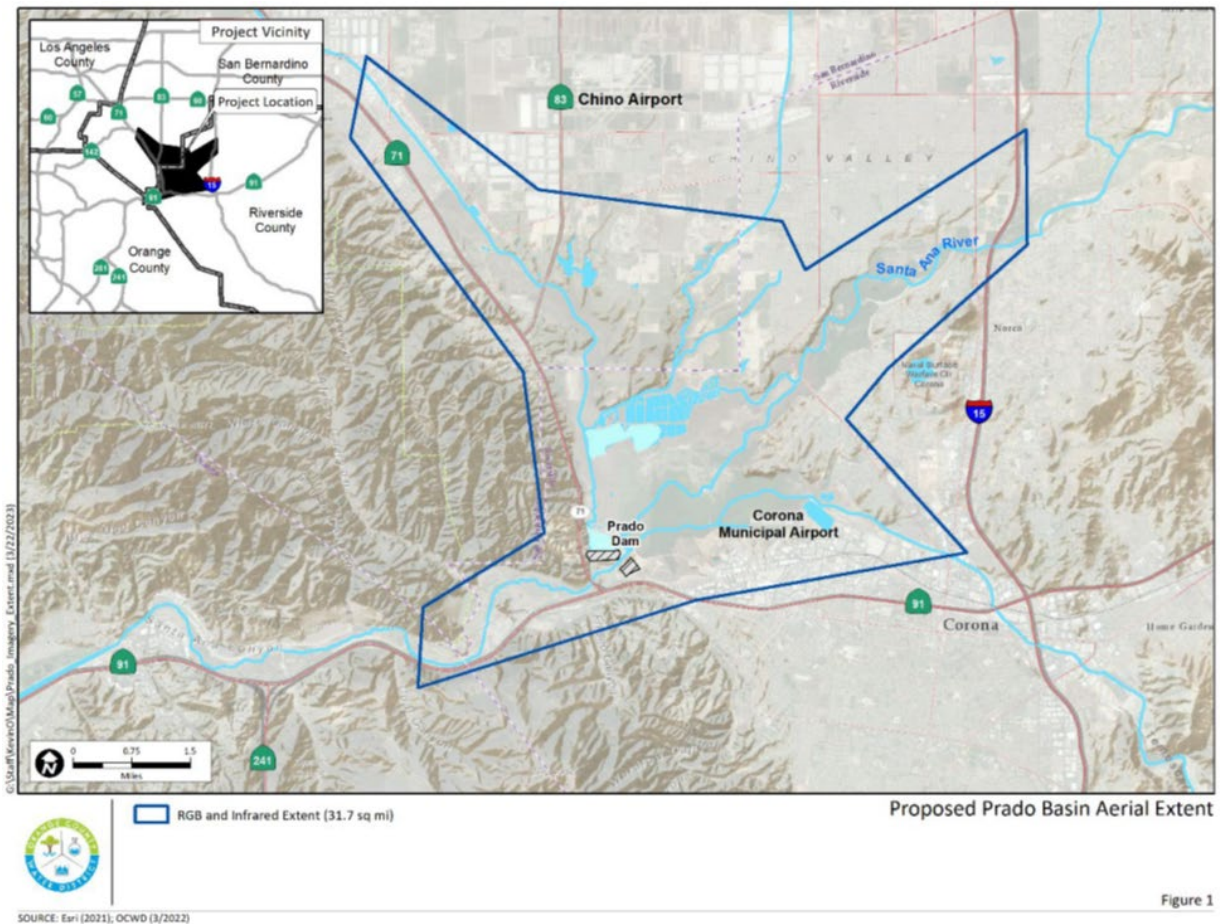


Figure 1: Proposed Prado Basin Aerial Imaging Area

Staff is recommending issuing an RFP for Aerial Imaging and LiDAR data acquisition of Prado Basin. The scope of services will include multispectral imaging (Red, Green Blue and Near Infrared Band) at 3-inch or better resolution, LiDAR data acquisition will occur concurrently and meet USGS Quality Level 1 (QL1) standards. Final deliverables will consist of a summary report and digital files in a format suitable for OCWD's GIS software. Upon completion of the RFP process, staff will return with a recommendation to the Board for consideration.

PRIOR RELEVANT BOARD ACTION(S)

None

AGENDA ITEM SUBMITTAL

Meeting Date: March 12, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Bouley / L. Esguerra

Budgeted: Yes

Budgeted Amount: \$0

Cost Estimate: \$0

Funding Source: CIP/Fed. CPF

Program/Line Item No.: C24012

General Counsel Approval: Yes

Engineers Report: Completed

CEQA Compliance: Cat. Ex.

**Subject: GOLDEN STATE WATER COMPANY LA JOLLA PLANT AND FERN
PLANT PFAS TREATMENT SYSTEMS PROJECT: ENGINEER'S
REPORT AND CATEGORICAL EXEMPTION**

SUMMARY

The plans and specifications for the Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project (Project) are nearing 30% completion. Both the design and the construction costs will be funded, in part, by a WaterSMART: Title XVI WIIN Act Grant from the United States Bureau of Reclamation. Staff recommends approving the Engineer's Report for the project and filing a Categorical Exemption in compliance with the California Environmental Quality Act guidelines.

Attachment: Engineer's Report for the Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board Meeting:

1. Approve the Engineer's Report for the Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project and determine the project feasible, necessary and beneficial to the lands of the District; and
2. Authorize filing of a Categorical Exemption for the Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project in compliance with the California Environmental Quality Act (CEQA) guidelines.

BACKGROUND/ANALYSIS

To restore the use of groundwater supplies impacted by PFAS contaminants with minimal delay, the firm of PACE Advance Water Engineering began design of the Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project in July of 2024. Due to site constraints at the two sites, Ion Exchange (IX) treatment has been selected as the treatment method. The number of vessels and required support systems needed for IX allows for less area to be occupied by the

treatment plants than would be required for Granular Activated Carbon (GAC), Nanofiltration (NF), or Reverse Osmosis (RO). Without additional land acquisition, IX quickly became the treatment choice for these sites. PACE is nearly 30% complete with design of the PFAS treatment systems for La Jolla Plant and Fern Plant. Figures 1 and 2 shows the location of the Golden State Water Company Wells:

Figure 1: GSWC PFAS Treatment System at La Jolla Plant

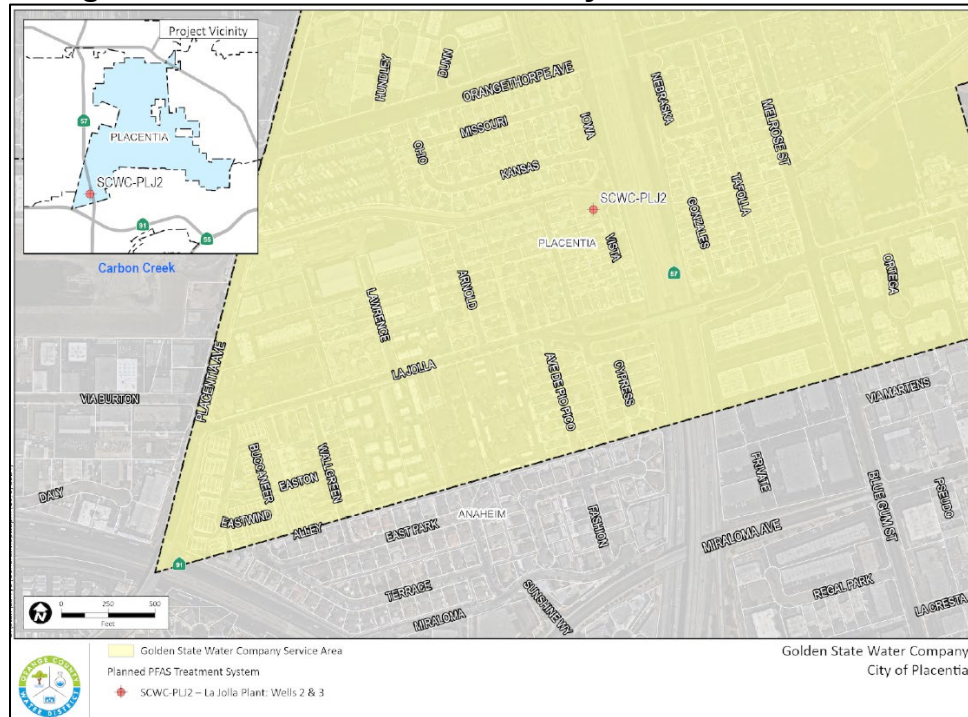
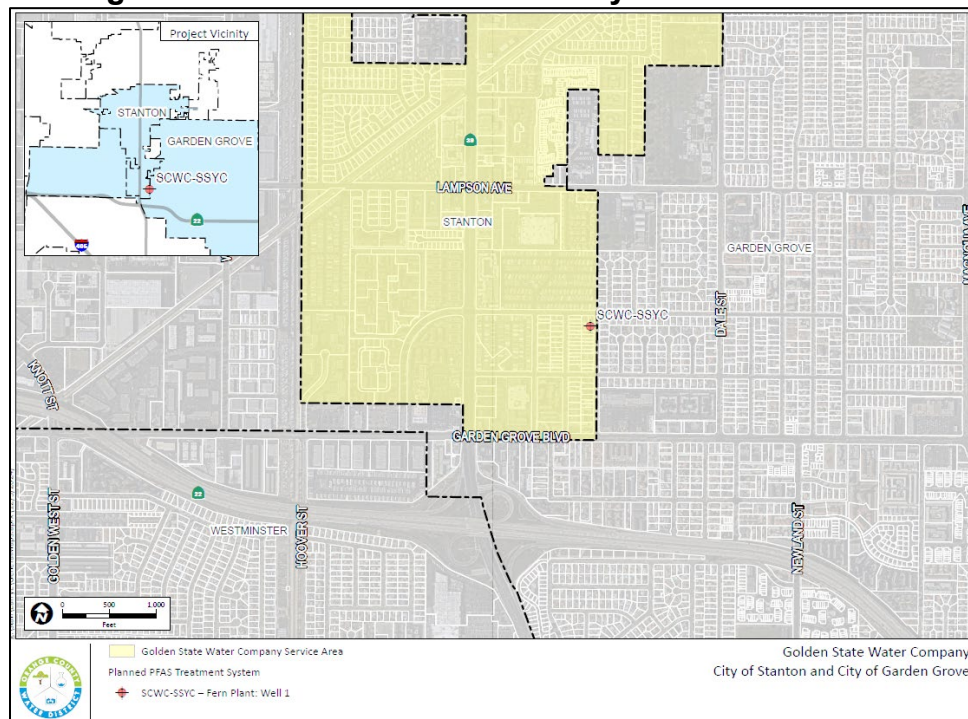


Figure 2: GSWC PFAS Treatment System at Fern Plant



The Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project will include installing IX vessel systems and all pre-filtration, site piping, well modifications, electrical upgrades, and other appurtenances. Staff has determined that the La Jolla Plant and Fern Plant PFAS Treatment Systems Project is consistent with a California Environmental Quality Act (CEQA) Categorical Exemption for New Construction or Conversion of Small Structures (Class 3) because it consists of the construction and operation of a limited number of new, small facilities or structures. The expected project schedule is shown in Table 1.

Table 1: GSWC PFAS Treatment Systems at La Jolla Plant and Fern Plant Schedule Summary

Description	Date
Design	July 2024 – Dec 2025
DDW Permitting	July 2024 – Aug 2027
Construction Contract	Mar 2026 – Sep 2027

The District was awarded a \$30 million Grant from the United States Bureau of Reclamation (USBR) as part of the WaterSMART: Title XVI WIIN Act. This funding, provided by Bipartisan Infrastructure Law, is designated for the District’s PFAS treatment program to eliminate per- and polyfluoroalkyl substances from local groundwater. Therefore, both the design and construction costs of the Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project will be funded, in part, by the WaterSMART:Title XVI WIIN Act Grant for PFAS projects up to \$30 Million. Staff is currently working with the USBR Denver Office on the final approval of the District’s Grant application, PFAS program budget, funding matrix, program components and schedule, and Federal environmental compliances.

However, prior to any construction costs being eligible for Grant reimbursement, the USBR is requiring that the District process a Categorical Exemption as part of the CEQA compliance. Upon completion of CEQA, the USBR will act as the lead agency for compliance with the National Environmental Policy Act (NEPA) – a process that can take up to six months to complete. This NEPA process is in addition to OCWD filing the CEQA Categorical Exemption and cannot proceed until after OCWD’s filing is complete. Both the CEQA and NEPA environmental compliances require the Engineer’s Report to provide the basis for the project. The recommended action in this submittal only includes approving the Engineer’s Report and authorizing CEQA filing. This action does not include authorizing bidding or construction of the project. Staff will return to the Board to request authorization of a Notice Inviting Bids at a later date.

Staff recommends approving the Engineer’s Report and authorizing the filing of a Categorical Exemption in compliance with CEQA guidelines for the Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project.

PRIOR RELEVANT BOARD ACTIONS

1/22/20, R20-1-12 - Approved modifications to the PFAS Policy

11/20/19, R19-146 - Approved PFAS Policy

AGENDA ITEM SUBMITTAL

Meeting Date: March 12, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Bouley/A. Waite

Budgeted: Yes

Proposed Budget: \$10,888,160

Cost Estimate: \$10,080,000

Funding Source: CIP

Program/Line Item No.: C23005

General Counsel Approval: Yes

Engineers Report: Completed

CEQA Compliance: Cat. Ex.

Subject: **AWARD CONTRACT NO. FUL-2024-1 FULLERTON KIMBERLY WELL 2
PFAS WATER TREATMENT PLANT TO R C FOSTER CORPORATION**

SUMMARY

A total of six construction bids were received on March 4, 2025, for the Fullerton Kimberly Well 2 PFAS Water Treatment Plant Project, Contract FUL-2024-1 (the "Project"). Based on a review of the bids received, staff recommends awarding a contract to R C Foster Corporation as the responsible bidder submitting the lowest responsive bid, in the amount of \$7,071,100. Staff also recommends establishing a total project budget of \$10,888,160.

Attachment: Affidavit of Publication for Notice Inviting Bids for Contract FUL-2024-1

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting:

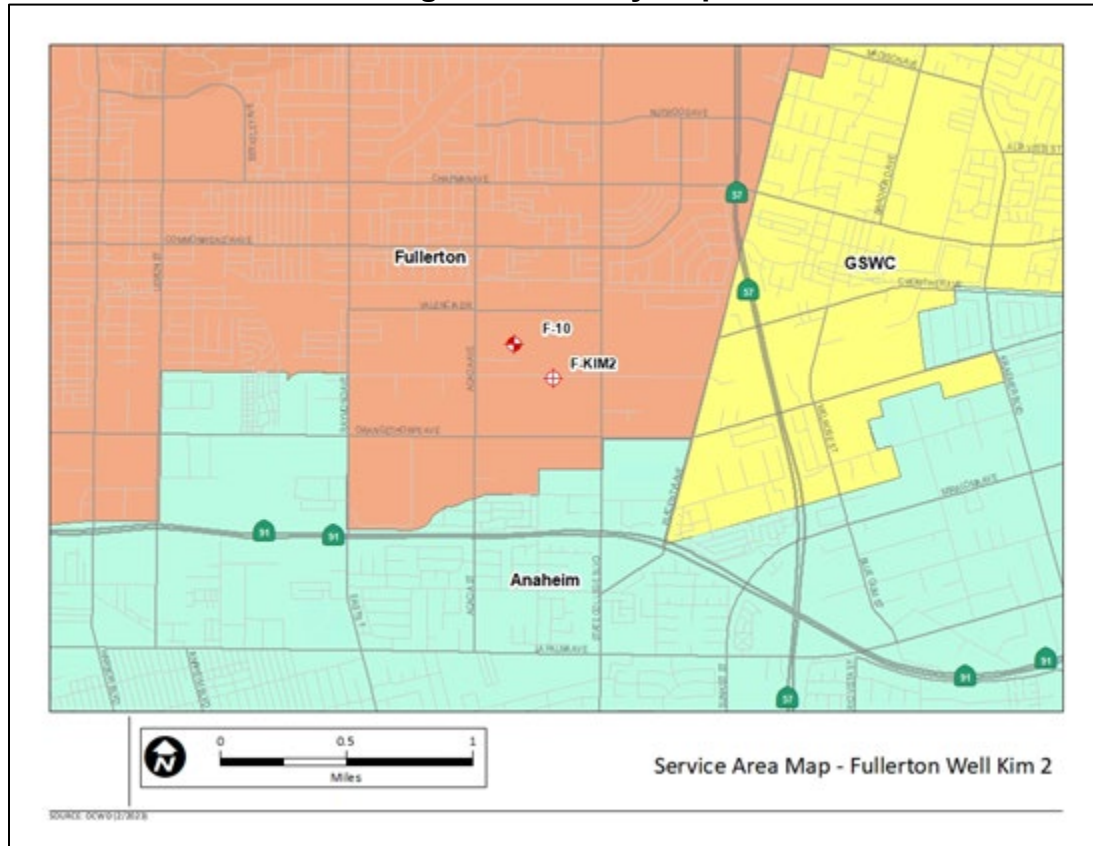
1. Receive and file Affidavit of Publication of Notice Inviting Bids for Contract FUL-2024-1 Fullerton Kimberly Well 2 PFAS Water Treatment Plant;
2. Ratify issuance of Addenda 1-2;
3. Accept bid and award contract FUL-2024-1 to the lowest responsive bid and responsible bidder, R C Foster Corporation, in the amount of \$7,071,100; and
4. Establish the Fullerton Kimberly Well 2 PFAS Water Treatment Plant Project budget in the amount of \$10,888,160.

BACKGROUND/ANALYSIS

Design of the City of Fullerton (City) Kimberly Well 2 (Kim 2) PFAS Water Treatment Plant project began in June 2023. The Project reached final design in May 2024 for treating Well Kim 2; however, the Project was amended to include one additional IX vessel system and one additional filter cartridge vessel to accommodate future treatment of Well Sunclipse 10 which is impacted due to the PFAS MCL. Sunclipse 10

is located approximately 1,600 feet northwest of Well Kim 2, and a project to treat this well will be bid in the future. The Project also includes rehabilitating the existing well, a new standby generator, and an automatic transfer switch that will be reimbursed by the City. Design was completed in November 2024. A map showing the locations of the Fullerton Kim 2 site and Well Sunclipse 10 is shown in Figure 1.

Figure 1: Vicinity Map



The Project was advertised for bid on January 16, 2025, and Addenda No. 1 & 2 were issued to revise the Bid Opening date, provide revised project plans and specifications, and to provide responses to potential bidders' questions. Six construction bids were received on March 4, 2025, and a summary of these bids is shown below in Table 1. The original engineer's estimate was \$7,200,000.

Table 1: FUL-2024-1 Fullerton Well Kim 2 PFAS Water Treatment Plant Bid Summary

Contractor	Bid Price
R C Foster Corporation	\$7,071,100
Pyramid Building & Engineering, Inc.	\$7,139,630
Pacific Hydrotech Corporation	\$7,266,344
Caliaqua Inc.	\$7,908,804
MMC, Inc.	\$8,953,000
Covenant Technical Solutions	\$8,995,360

Staff reviewed the bid of the R C Foster Corporation and found it to be responsive. Staff also checked R C Foster Corporation's references, and confirmed that their contractor's license is current, active, and in good standing with the State of California. Staff recommends awarding the construction contract to R C Foster Corporation as the lowest responsible bidder that submitted a responsive bid in the amount of \$7,071,100. The project budget for the City of Fullerton Well Kim 2 PFAS Water Treatment Plant Project, Contract FUL-2024-1, is summarized in Table 2.

Table 2: FUL-2024-1 Fullerton Well Kim 2 PFAS Water Treatment Plant Budget Summary

Description	Budget
Design and Construction Management	
Design-Work Order 5A & 5B Well Kim 2 (Tetra Tech)	\$662,745
Work Order 5A (CM Services - Tetra Tech)	\$546,110
Design and CM Subtotal	\$1,208,855
Construction	
Contract FUL-2024-1	\$7,071,100
IX Treatment Systems	\$1,195,000
IX Resin	\$949,650
Permits and Advertisement Costs	\$50,000
Staff Expenses	\$60,000
Construction Subtotal	\$9,325,750
Project Contingency (5% of Contract Amount)	\$353,555
Total Project Budget	\$10,888,160
City of Fullerton Contribution Approx.	\$611,300
Total Cost to OCWD	\$10,276,860

The expected project schedule is shown below in Table 3.

Table 3: FUL-2024-1 Fullerton Well Kim 2 PFAS Water Treatment Plant Schedule Summary

Description	Date
Design	June 2023 – Nov 2024
DDW Permitting	Feb 2025 – Sep 2026
Construction Contract FUL-2024-1	May 2025 – Sep 2026

PRIOR RELEVANT BOARD ACTION(S)

9/2/20, R24-9-114: Receive and file the Engineer's Report for the Fullerton Wells Kim 2 and Sunclipse 10 PFAS Water Treatment Plants and determine the project feasible, necessary and beneficial to the lands of the District; Authorize filing of a Categorical Exemption for the Fullerton Well Kim 2 PFAS Water Treatment Plant project in compliance with the California Environmental Quality Act (CEQA) guidelines; and, authorize publication of Notice Inviting Bids for Contract No. FUL-2024-1, Fullerton Well Kim 2 PFAS Water Treatment Plant.

AGENDA ITEM SUBMITTAL

Meeting Date: March 12, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Herndon/B. Leever

Budgeted: No

Budgeted Amount: \$0

Cost Estimate: \$34,333

Funding Source: General Fund

Program/Line Item No.: 1075.53010.9900

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

**Subject: EVALUATION OF LAND SUBSIDENCE HISTORY AND POTENTIAL IN
THE ORANGE COUNTY GROUNDWATER BASIN**

SUMMARY

Consideration to expand the operational storage range for the Orange County groundwater basin is one of the priority projects in the OCWD Resilience Plan. Because land subsidence is a risk of operating the basin at a low storage condition, staff requested and received proposals from experts in this field to evaluate the history and potential for subsidence to occur. Staff recommends proceeding with this initial evaluation via issuance of a professional services agreement to the firm of GSI Environmental in the amount of \$34,333.

Attachment: Proposal from GSI Environmental dated January 21, 2025.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize issuance of a professional services agreement to GSI Environmental in an amount not to exceed \$34,333 to evaluate land subsidence in the Orange County groundwater basin.

BACKGROUND/ANALYSIS

The basin operating range of 0 to 500,000 AF from full was established by the OCWD Board in 2007 based on an evaluation of factors including drought preparedness, seawater intrusion barrier performance, groundwater pumping levels, and colored water upwelling potential. The potential for land subsidence is another risk factor if groundwater storage is reduced below historical conditions.

The stratigraphic composition of the groundwater basin includes permeable sands and gravels with interbedded clays and silts. When groundwater storage is reduced, the accompanying lower hydrostatic pressure in the clay and silt deposits can lead to compaction of the clays/silts which can eventually result in land subsidence. This is the case in the much-publicized southern Central Valley of California.

Because land subsidence is a specialized area of study that spans geotechnical engineering and hydrogeology, staff reached out to two subject matter experts, Professor Nicholas Sitar (UC Berkeley) and Dr. Bill Mok (GSI Environmental) and requested a proposal for an initial evaluation. The study objectives include:

- Identify areas within OCWD where historical subsidence has already occurred
- Identify areas that may be more susceptible to subsidence
- Identify data gaps that prevent more definitive subsidence evaluation

The scope of work includes review of representative geologic and geophysical drilling logs, historical groundwater level and pumping records, and historical ground surface survey data. Because the basin underwent periods of significant storage depletion in the late 1940s through late 1950s, a key question is if the basin has already experienced some amount of land subsidence. This could affect the potential for future subsidence under low-basin storage conditions.

To proceed with this evaluation, staff recommends issuance of a professional services agreement to GSI Environmental in the amount of \$34,333.

PRIOR RELEVANT BOARD ACTIONS

2/19/25, R25-2-19 – Receive and file the OCWD Resilience Plan and authorize filing of Notice of Exemption in compliance with CEQA.

3/21/07 M07-44 Receive and file staff report, titled “Evaluation of Orange County Groundwater Basin Storage and Operational Strategy,” and adopt new three-layer storage change methodology with the associated new full basin condition.

AGENDA ITEM SUBMITTAL

Meeting Date: March 13, 2025

To: Administration/Finance Issues Cte.
Board of Directors

From: John Kennedy

Staff Contact: R. Fick/D. Miller

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.

Attachments:

- 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 March 19 Board meeting: Receive and file Summary Cash and Cash Equivalents Control Reports dated February 28, 2025.

PRIOR RELEVANT BOARD ACTIONS

Monthly

AGENDA ITEM SUBMITTAL

Meeting Date: March 13, 2025

To: Administration/Finance Issues Cte.
Board of Directors

From: John Kennedy

Staff Contact: R. Fick/D. Miller

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: Investment Portfolio Holdings Reports dated February 28, 2025.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Receive and file the Investment Portfolio Holdings Reports dated February 28, 2025.

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)	\$3,407,702	\$4,200,994
Required Collateral	None	None
Duration/Maturity	253 Days or 0.69 years	312 Days or 0.85 years
Rate of Return/Yield	3.562%	3.336%

- The yield on the one-year Treasury note as of the month end is at 4.08%; two-year at 3.99% and the five-year at 4.03%. The last Federal Open Market committee (FOMC) meeting was held on January 28-29, 2025. The FOMC maintained the Federal fund benchmark interest rate to a range of 4.25% to 4.50%. This is the rate prime banks lend to each other.

AGENDA ITEM SUBMITTAL

Meeting Date: March 13, 2025
To: Administration/Finance Issues Cte.
Board of Directors
From: John Kennedy
Staff Contact: S. Parsons/L. Haney

Budgeted: Yes
Budgeted Amount: \$55,000 (Year 1)
Cost Estimate: \$55,000 (Year 1)
Funding Source: General Fund
Program/ Line Item No. 1080.53001
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: AWARD OF SERVICES AGREEMENT FOR COWBIRD TRAPPING SERVICES

SUMMARY

Under the 2000 Biological Opinion/Formal Section 7 Consultation on the Prado Basin Water Conservation and Water Control Operations Project (1-6-99-F-75), the District is required to conduct brown-headed cowbird trapping services within Prado Basin. Previously, the District contracted with the Santa Ana Watershed Association (SAWA) to provide these services under Agreement No. 1594, which expired in June 2024. A Request for Proposals (RFP) was advertised, to which the District received one response. Staff has evaluated the proposal and recommends award of the work to SAWA.

Attachment: Santa Ana Watershed Association Proposal dated February 12, 2025.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize issuance of Agreement to the Santa Ana Watershed Association for \$55,000 per year plus a 5% inflation rate for each subsequent year after year one, for a not to exceed total of \$237,060 for three years with an option to renew for an additional year with General Manager approval under the same terms and conditions for brown-headed cowbird trapping services within Prado Basin.

BACKGROUND/ANALYSIS

Brown-headed cowbird trapping has taken place within Prado Basin since 1986, the same year the least Bell's vireo was first listed as endangered by the United States Fish and Wildlife Service (USFWS). At the time, brown-headed cowbirds were the largest threat to the least Bell's vireo and prime factor in their decline. Brown-headed cowbirds are brood parasites, meaning they lay their eggs in the nests of other bird species such as the least Bell's vireo to the detriment of the host species' young. A brown-headed cowbird trapping program was first regulated in the 2000 Biological Opinion/Formal Section 7 Consultation on the Prado Basin Water Conservation and Water Control

Operations Project (1-6-99-F-75), which requires the District to operate four cowbird traps (see Figure 1) within the Prado Basin (as well as repair and store all traps and provide seeds and other supplies). Previous cowbird trapping efforts were covered under Agreement No. 1594 with the SAWA. This agreement expired in June 2024.

On January 19, 2025, the District released an RFP for Cowbird Trapping Services. The RFP was advertised on the District's website and sent to a list of biological consultants and organizations who provide cowbird trapping services. The District received one (1) Statement of Qualifications (SOQs) from Santa Ana Watershed Association (SAWA). The SOQ was evaluated by a selection committee consisting of three District staff and was evaluated based on qualifications, record of past performance on similar or related projects, and total cost that must comply with the Department of Industrial Relations (DIR) prevailing wage rates.

Based on the results from the SOQ evaluation SAWA demonstrated relevant experience and understanding of the scope of services required within the RFQ.

Rank	Firm	Field Assistant Hourly Rate	Biologist Hourly Rate	Supervisor Hourly Rate	Manager Hourly Rate	Cowbird Traps Rate	Other Equipment Rate
1	Santa Ana Watershed Association (SAWA)	\$31.45 - 33.34	\$98.79 - \$111.0	\$148.54 - \$166.90	\$204.17 - 229.41	\$750/year	\$285/year

The expenditures for this fiscal year are not expected to exceed the \$55,000 currently budgeted. Staff anticipates a similar level of effort and expense for the following two years of \$55,000 per year plus a 5% inflation rate for each subsequent year.

Staff recommends award of a Service Agreement to SAWA for cowbird trapping services within Prado Basin for an amount of \$55,000 per year plus a 5% inflation rate for each subsequent year after year one, for a total not to exceed amount of \$237,060 for three years with an option to renew for an additional year with General Manager approval under the same terms and conditions. The expense for this multi-year scope of services is included in the Natural Resources department general fund budget each fiscal year.

	Cost (5% inflation rate per year)	Cumulative Cost
Year 1	\$55,000	\$55,000
Year 2	\$57,750	\$112,750
Year 3	\$60,640	\$173,390
Year 4	\$63,670	\$237,060
Total		\$237,060

PRIOR RELEVANT BOARD ACTIONS

01/15/2025, M25-6: Authorize issuance of Request for Proposals (RFP) for Brown-headed Cowbird Trapping within Prado

07/17/2024, R24-7-85: Renew Agreement No. 1369 until July 1, 2025, solely for Arundo removal, with a budget not to exceed \$100,000, and include additional language to improve billing transparency; Eliminate the 50/50 staff billing arrangement, resulting in an increase in OCWD's headcount from 226.5 to 227.

6/24/2023, M23-71: Extend the termination date for the OCWD-SAWA Agreement for one year to June 19, 2024, and direct staff to draft a new agreement.

6/19/2013, R13-6-69: Approved and authorized execution of Santa Ana Watershed Program Agreement

AGENDA ITEM SUBMITTAL

Meeting Date: March 13, 2025

To: Administration/Finance Issues Cte.
Board of Directors

From: John Kennedy

Staff Contact: S.Parsons/L. Haney

Budgeted: Yes

Budgeted Amount: \$90,000 (Year 1)

Cost Estimate: \$90,000 (Year 1)

Program/Line Item No.: 1080.57016

Funding Source: General Fund

General Counsel Approval: N/A

Project Report Approved: N/A

CEQA Compliance: N/A

Subject: HABITAT RESTORATION SERVICES AT PRADO AND ORANGE COUNTY FACILITIES REQUEST FOR PROPOSALS

SUMMARY

The District has previously contracted with Habitat West to provide habitat restoration and maintenance services under two separate Agreements for mitigation sites within Prado Basin and the Orange County recharge facilities, the first of which expires on June 30, 2025. Staff is requesting to issue a Request for Proposals (RFP) for habitat restoration services to include Prado habitat restoration services starting July 1, 2025 and to include Orange County habitat restoration services starting July 1, 2026.

Attachment: Map of OCWD Mitigation Sites - Prado and OC

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize issuance of Request for Proposals for Habitat Restoration Services within Prado Basin and Orange County Facilities.

BACKGROUND/ANALYSIS

The District has been required by the California Department of Fish and Wildlife (CDFW), the United States Fish and Wildlife Service (USFWS), and the United States Army Corps of Engineers (USACE) to plant native habitat as mitigation for the impact of District operations behind Prado Dam, including the operations of the Prado Wetlands and stormwater storage. To meet these requirements, OCWD has planted 942 acres of native habitat within Prado Basin. Additionally, CDFW and USACE have required mitigation for impacts of the Orange County recharge facilities as an obligation of the District's operation and maintenance permits. To meet these requirements, OCWD has planted 36 acres of native habitat.

While the District's CDFW permits are currently up for renewal and mitigation requirements are actively being negotiated, the USACE permit for operation of the Prado Wetlands contains an ongoing mitigation requirement of 2 acres of habitat restoration per year. Additionally, all mitigation sites must be monitored for five years to ensure they meet

performance standards laid out in the District's mitigation plan. Currently, mitigation sites at Prado, Santiago Basin, Burris Basin, and Huckleberry Basin are within their 5 year monitoring and maintenance period.

Habitat restoration services have previously been covered under two Agreements – one covering mitigation sites within Prado, and one covering mitigation sites in Orange County. The Prado Agreement (Agreement No. 1125) is set to expire on June 30, 2025. The Orange County Agreement (Agreement No. 1864) is set to expire on June 30, 2026.

Staff is recommending combining these two Agreements into one Agreement to streamline accounting efforts. Staff is requesting to issue a Request for Proposals (RFP) for habitat restoration services to include Prado habitat restoration services starting July 1, 2025 and to include Orange County habitat restoration services starting July 1, 2026.

PRIOR RELEVANT BOARD ACTIONS

05/17/2023, R-23-5-63 – Approving agreement to Habitat West Inc. for Habitat Restoration and Maintenance Services on OCWD Lands.

04/20/2022, R-22-4-43 – Extension of agreements with Habitat West and Endemic Environmental Services for On-Call Restoration Planting and Maintenance in Prado Basin

03/17/2021, R-21-3-41 – Accepting completion of contract No. PB-2020-1, Prado Basin SMDP Excavation and Dredging (CJW Construction, Inc) and authorizing issuance of agreement to Endemic Environmental Services, Inc.

12/18/2019, R19-12-171 - Issuance of Agreement No. 1398 with Habitat West, Inc. for on-call plant restoration services on OCWD land in Orange County.

12/5/2018, R18-12-165 - Authorize issuance of Agreements to Habitat West and the Santa Ana Watershed Association for an amount not to exceed \$180,000 for a three-year period with a \$60,000 annual limit for hourly work associated with planting, irrigation systems and weed management in Prado Basin through December 31, 2021.

02/15/2017, R17-2-10 - Amendment to Agreement No. 1067 with Habitat West, Inc. for continuation of on-call plant restoration services.

11/18/2015, R15-11-160 - Authorize issuance of Agreements to Habitat West and the Santa Ana Watershed Association for \$156,000 for a three-year period with a \$52,000 annual limit for hourly work associated with planting, irrigation systems and weed management in Prado Basin through December 31, 2018.

2/18/2015, R15-2-24 - Issuance of Agreement No. 1067 with Habitat West, Inc. for on-call plant restoration services.

02/15/2012, R12-2-14 - Agreement authorized to Habitat West, LCG and Nature's Image for planting, irrigation, and weed management in Prado Basin not to exceed \$150,000 over a three-year period with \$50,000/year limit.

04/15/2009, R09-4-60 - Agreement authorized to Habitat West and LCG for planting, irrigation, and weed management in Prado Basin not to exceed \$150,000 over a three-year period with \$50,000/year limit.

AGENDA ITEM SUBMITTAL

Meeting Date: March 13, 2025
To: Administration/Finance Issues Cte.
Board of Directors

From: J. Kennedy

Staff Contact: B. Dosier/V. Nguyen

Budgeted: Yes
Budgeted Amount: \$76,000
Cost Estimate: \$69,367 (annually)
Funding Source: N/A
Program/ Line Item No.: 1016.57004
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

SUBJECT: PURCHASE ORDER TO TABORDA SOLUTIONS, INCORPORATED FOR SOFTWARE UPDATE LICENSE AND SUPPORT RENEWAL FOR ORACLE JD EDWARDS FINANCIAL SYSTEM SOFTWARE

SUMMARY

The District uses Oracle Corporation's (Oracle) JD Edwards Enterprise One software system (JDE) to support the District's Accounting, Purchasing, and Warehousing functions. The JDE system is integrated with the IBM Maximo Maintenance and Inventory Asset Management System to help manage the assets of the GWRS Advanced Water Purification Facility. The JDE Software Update License and Support (Support) services for JDE are due for renewal. Staff recommends issuing a Purchase Order to Taborda Solutions, Inc. (Taborda), an Oracle Partner, to renew these services for a three-year term.

Attachment: Taborda Quote for Oracle JDE Software Update License and Support

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize issuance of a Purchase Order to Taborda Solutions, Inc. for Oracle JD Edwards Software Update License and Support services in the amount not to exceed \$208,101 (\$69,367 annually) for a three-year period commencing on April 30, 2025.

BACKGROUND/ANALYSIS

District staff uses JDE to support the District's Accounting, Purchasing, and Warehousing functions. JDE is integrated with the IBM Maximo Maintenance and Inventory Asset Management System to manage the assets of the GWRS Advanced Water Purification and the Forebay facilities. Oracle owns the source code to the JDE system and is the only authorized provider for these standard support services for the JDE system. The District has consistently maintained and kept current with JDE Support since its implementation at the District in 2004. The current Support agreement will end April 29, 2025 and is due for renewal (the Support end-date was extended from February 28 to April 29 due to licensing

changes in 2022).

Oracle typically increases their Support fees annually. To minimize annual cost increases, the Board has approved five-year agreements with Oracle in 2015 and 2020. As Oracle no longer provides five-year agreements, staff is recommending a 3-year Support period to take advantage of cost savings provided over a multi-year Support period.

Staff solicited three (3) quotes for JDE Support for a three-year period from two (2) Oracle Partners and from Oracle directly:

1) Oracle	\$221,315.11
2) Mythics	\$221,034.00
3) Taborda	\$208,101.00

Oracle's quote includes an 8% annual increase whereas the quotes from the two Oracle partners do not. The Oracle partners have State Licensing Programs (SLP) under contract with the State of California and is made available to California local agencies. Under the SLP, there are no annual increases under a multi-year Support period as the price is fixed, and therefore provide a savings over the term of the multi-year period.

Taborda provided the lowest Support cost for the three-year period, with a savings of approximately \$13,000 over the three-year period. As Taborda is an Oracle partner, and can provide a 3-year agreement, and is the most cost-effective option provided for JDE Support, staff recommends authorizing the issuance of a Purchase Order to Taborda for JDE Support in the amount of \$208,101 (\$69,367 per year) for a period of three years beginning April 30, 2025 through April 29, 2028.

Oracle support consists of the following:

- **Program updates and fixes**

Support includes maintenance and service packs, fixes and patches to JDE which are delivered to the customer as "Electronic Software Updates" (ESU). ESUs can be required for a variety of reasons, including system errors and upgrades in the database management system, the operating system or the hardware server architecture. These also include tax, legal and regulatory updates.

29 ESUs were applied during the past 5 years. Since going live with the JDE system in 2004, the District has applied 1,491 ESUs.

- **Major product and technology releases**

Support includes minor and major releases of software including general maintenance releases, selected functionality releases and documentation updates. This allows the District to upgrade the JDE system as new versions become available without additional cost for the software, as appropriate, allowing the District to take advantage of enhanced functionality designed into newer versions.

In January 2024, under the Support agreement and to stay current with Support, staff downloaded the current Oracle release of JDE and implemented a major system upgrade to JDE. The District successfully went live with this significant upgrade in September 2024.

- **Technical and non-technical support**

Support includes technical support for customer issues. During the past 5 years, staff placed 113 technical support calls and since 2006, District staff has placed 402 technical support calls to the JDE support line. Many of these were critical system tasks related to General Ledger and other accounting processing as well as with purchasing and receiving.

Oracle does not provide an hourly, “pay-as-you-go model” for support for JDE. They require Software Update and License Support to provide support. Oracle consultant services cannot be hired to apply ESUs (Electronic Software Updates), install maintenance or service packs, fixes, patches or other software upgrades.

- **Access to web-based support**

Software Update and License Support includes access to the on-line knowledgebase that contains fixes and solutions in a searchable format. Staff uses this tool to search for solutions without always contacting support directly, or to search for documentation that is not available elsewhere.

PRIOR RELEVANT BOARD ACTIONS

1/22/2020 – R20-1-10 - Approved Purchase Order to Oracle JD Edwards for software update license and support Agreement is approved in the amount of \$351,115 for system updates commencing March 1, 2020 through February 28, 2025

1/21/15-R15-1-14 - Approved Purchase Order to Oracle JD Edwards for software update license and support Agreement is approved in the amount of \$351,115 for system updates commencing March 1, 2015 through February 28, 2020

1/22/14 -R14-1-10 - Approved Purchase Order to Oracle JD Edwards for \$70,223 for software updates, license and support agreement for system updates commencing March 1, 2014 through February 28, 2015

1/16/13 – R13-1-7 – Approved Purchase Order to Oracle JD Edwards for \$68,178 for software updates, license and support agreement for system updates commencing March 1, 2013 through February 28, 2014

01/18/12 – R12-1-6 - Authorize issuance of Purchase Order to Oracle in the amount of \$66,192 (plus approximately \$2,647 for applicable taxes) for one year renewal of Software Update License and Support Agreement through February 28, 2013

02/10/11 - R11-2-26 - Authorize issuance of Purchase Order to Oracle in the amount of \$82,543 (plus approximately \$3,478 for applicable taxes) for one year renewal of Software Update License and Support Agreement through February 28, 2012

01/20/10 - R10-1-25 - Authorize issuance of Purchase Order to Oracle in the amount of \$76,763 (plus approximately \$3,358 for applicable taxes) for one year renewal of Software

Update License and Support Agreement through February 28, 2011

01/21/09 - R09-1-13 - Authorize issuance of Purchase Order to Oracle in the amount of \$85,529 (plus approximately \$3,316 for applicable taxes) for one year renewal of Software Update License and Support Agreement through February 28, 2010

01/16/08 - R08-1-17 - Authorize issuance of Purchase Order to Oracle in the amount of \$83,037.86 (plus approximately \$3,218 for applicable taxes) for one year renewal of Software Update License and Support Agreement through February 28, 2009

01/17/07 - R07-1-7 - Authorize issuance of Purchase Order to Oracle in the amount of \$80,619.28 (plus approximately \$3,125 for applicable taxes) for one year renewal of Software Update License and Support Agreement through February 28, 2008

02/15/06 - R06-2-16 - Authorize issuance of Purchase Order to Oracle for one-year renewal of the Software Update License and Support agreement in the amount of \$81,304.15, including tax through February 28, 2007.

02/13/03 - R03-2-28 - Authorize Purchase of the New Financial Information System (FIS)

AGENDA ITEM SUBMITTAL

Meeting Date: March 13, 2025

To: Administration/Finance Issues Cte.
Board of Directors

From: John Kennedy

Staff Contact: M. Patel/M. Wu

Budgeted: Yes

Budgeted Amount: \$750,000

Cost Estimate: \$272,861

Funding Source: General Fund

Program/Line Item No.: 1050.57038.9922

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

Subject: ULTRAVIOLET LIGHT (UV) EQUIPMENT SUPPLY

SUMMARY

The District previously selected Trojan Technologies for the UV system for the Groundwater Replenishment System. Trojan Technologies was selected from four pre-qualified equipment manufacturers to supply the equipment for the permanent UV system. Staff recommends purchasing UV lamps for restocking inventory.

Attachment: Quotation for the purchase of UV lamps dated February 21, 2025, in the total amount of \$272,861. (Freight of \$1,821 is included in this quote.)

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize issuance of Purchase Order to Trojan Technologies Corp for the purchase of 1,080 UV lamps in the amount of \$272,861, including freight.

BACKGROUND/ANALYSIS

In 2002, the Board of Directors for OCWD and OCSD authorized OCWD to award a pre-selection agreement to Trojan Technologies for the manufacture of ultraviolet light equipment for the Groundwater Replenishment System. The basis of pre-selection was the lowest present worth life-cycle cost. This type of present worth analysis includes all capital, as well as O&M costs, over the 25 years chosen for the analysis.

Requests for Proposals were issued to four pre-qualified UV equipment manufacturers. Two responses were received, one of which was Trojan. Trojan had the lowest calculated present worth life cycle cost and the lowest capital cost of the UV equipment for their UVPHox system. Trojan has been supplying UV lamps for the Groundwater Replenishment System since the system was first put online in 2008. The lamps are now purchased directly through Trojan. Purchasing UV lamps from other manufacturers is prohibited per the Pre-Selection Agreement approved in 2002. In addition, the

Regional Water Quality Control Board operating permit for GWRS was based upon the use of UV lamps supplied by Trojan Technologies. The GWRS UVPhox system pathogen removal credits granted by the Division of Drinking Water were validated and approved based on the use of Trojan-supplied UV lamps. The use of another manufacturer's UV lamp would require at a minimum a re-validation of the UVPhox system and a possible operating permit amendment. In addition, minimum required contaminant removals are guaranteed by Trojan with the use of Trojan-supplied UV lamps.

The budget for the procurement of UV lamps is \$750,000. Due to the importance of having sufficient UV lamps, staff recommends replenishing the inventory stock with an extra order of lamps, or approval to purchase 1,080 lamps at this time. Staff will be coming back to the board as needed during the fiscal year to approve additional purchases each time lamp inventory requires replenishment.

PRIOR RELEVANT BOARD ACTIONS

08/21/2024 R24-8-105; Authorize issuance of Purchase Order to Trojan Technologies Group for the purchase of 1,080 UV lamps in the amount of \$265,259 including freight.

08/16/2023 R23-8-113; Authorize issuance of Purchase Order to Trojan Technologies Group for the purchase of 2,160 UV lamps in the amount of \$517,068 including freight.

10/19/2022 R22-10-148; Authorize issuance of Purchase Order to Trojan Technologies Group for the purchase of 2,160 UV lamps in the amount of \$490,500 including freight.

08/17/2022 R22-8-112; Authorize issuance of Purchase Order to Trojan Technologies Group for the purchase of 1,320 UV lamps in the amount of \$301,265 including freight.

03/16/2022 R22-3-27; Authorize issuance of Purchase Order to Trojan UV for the purchase of 1,080 UV lamps in the amount of \$243,380, not including freight.

01/20/2021 R21-1-7; Authorize issuance of Purchase Order to DC Frost Associates for the purchase of 1,080 UV lamps in the amount of \$214,133.

09/16/2020 R20-9-126; Authorize issuance of Purchase Order to DC Frost Associates for the purchase of 1080 UV lamps in the amount of \$209,500.

02/19/2020 R20-2-24; Authorizing Purchase Order to DC Frost Associates for the purchase of 1,080 UV lamps in the amount of \$209,382.

08/21/2019 R19-8-126; Authorize issuance of Purchase Order to DC Frost Associates for the purchase of 1080 UV lamps in the amount of \$209,382

03/20/2019 R19-3-50; Authorize issuance of Purchase Order to Trojan Technologies, Inc., for the purchase of 1080 UV lamps in the amount of \$208,381.

09/19/18 R18-9-127; Authorize issuance of Purchase Order to Trojan Technologies, Inc., for the purchase of 1080 UV lamps in the amount of \$204,519.

AGENDA ITEM SUBMITTAL

Meeting Date: March 13, 2025

To: Administration/Finance Issues Cte.
Board of Directors

From: John Kennedy

Staff Contact: M. Patel

Budgeted: Yes

Budgeted Amount: \$593,000

Cost Estimate: \$77,587

Funding Source: General Fund

Program/Line Item No. 1050.54033.9922

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

**Subject: PURCHASE REVERSE OSMOSIS MEMBRANE CLEANING CHEMICALS
FROM AMERICAN WATER CHEMICALS, INC**

SUMMARY

The reverse osmosis (RO) treatment process used in the Groundwater Replenishment System (GWRS) Advanced Water Purification Facility (AWPF) contain over 28,350 individual RO membrane elements. When the RO membranes become fouled, they require a periodic cleaning using a combination of either generic or proprietary cleaning chemicals.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize purchase of 20,800 pounds of AWC C-227 RO membrane cleaning chemical from American Water Chemicals, Inc. for the amount of \$77,587.

BACKGROUND/ANALYSIS

The GWRS AWPF RO is the main treatment system for removal of organics and salts. The membranes within the RO system eventually become fouled over time from continuous use. The main source of fouling is deposition of organics onto the membrane feed spacer material. This fouling layer leads to an increase in pressure required to produce water while also causing an increase in the passage of salts. In order to combat the RO fouling a chloramine residual is kept in the RO feedwater. However, even this chloramine residual is not enough to keep biological fouling at bay over long periods of time. Once long-term fouling is observed the RO membranes require a cleaning with a cleaning solution containing surfactants at an elevated pH.

The GWRS RO system contains twenty-one individual units that each produce 5 million gallons per day (MGD) of flow. Of the 27 RO units located in the GWRS AWPF, at least four are experiencing signs of organic fouling. These four RO units (B03, E01, E02, E03) contain membranes installed almost one to two years ago. These four units are in need of a cleaning of all three stages as part of their normal maintenance. The membranes in most units are cleaned at least once per year as a way to maintain membrane performance while reducing overall pressure and energy requirements.

In an attempt to discover the nature of the foulant and what chemicals may best remove it, membranes from several RO units have been sent to American Water Chemicals (AWC), Inc in Florida. AWC provides the anti scalant chemical used in the GWRS RO system to help retard mineral scaling of the RO membranes. AWC performed autopsies of fouled membranes sent to them in the past and performed a cleaning study on those membranes. The results of AWC's autopsy revealed a high level of organic humic substances that could be removed using AWC's RO membrane cleaning chemical called C-227. The C-227 product has been used in the past in the GWRS RO system and has been proven to be effective at a cost comparable to generic chemicals. It has proven to be more effective than other chemicals sold by other vendors.

The Water Production General Fund budget contains funding for the purchase of RO membrane cleaning chemicals each year, including the amount required for this current cleaning effort. In order to clean the heavy organic fouling experienced by the four RO units in question a large purchase of the C-227 product is required. A total of 20,800 pounds of this chemical is required to fully clean the RO membranes in these six units. (It requires four 1,300-pound sacks of cleaning chemical per unit.) The cost of the AWC C-227 product is \$3.43/pound plus tax. This results in a total purchase required in the amount of \$77,587.

The Water Production Operations staff anticipates the cleaning of all four RO units to occur over the next 2 months. This will allow for those six units to have clean membranes as we get into the heart of the summer period where water temperatures typically rise. At these higher temperatures the RO units can be operated at lower pressures, especially if the membranes have been recently cleaned.

PRIOR RELEVANT BOARD ACTION(S)

N/A

AGENDA ITEM SUBMITTAL

Meeting Date: March 13, 2025

To: Administration/Finance Issues Cte.
Board of Directors

From: John Kennedy

Staff Contact: R. Fick/B. Velasco

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: SURPLUS OF RESEARCH & DEVELOPMENT OBSOLETE EQUIPMENT,
LAB TOOLS, AND FIELD HEADQUARTER HEAVY-DUTY EQUIPMENT**

SUMMARY

Staff have determined that certain Research & Development equipment, lab tools and miscellaneous heavy-duty equipment are irreparable or too costly to repair and are no longer necessary for use in District operations. The items listed below were removed from service and placed in temporary storage in the warehouse until approved for disposal.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Declare items on Surplus List as of February 10, 2025, surplus and authorize the sale and disposal thereof.

BACKGROUND/ANALYSIS

Below is a list of items recommended for surplus. The items listed are either outdated, parts are no longer available and cannot be serviced or are inoperable.

The Research & Development hardware and Lab equipment have either been replaced or have become obsolete or beyond economical repair.

Disposal of the electronic equipment, tractors, and any boats will be accomplished by selling them through an auction company, to private companies or sold for scrap.

Below is a list of the surplus items as of February 10, 2025.

PRIOR RELEVANT BOARD ACTION(S)

None

SURPLUS LIST AS OF FEBRUARY 10th, 2025

LOCATION	DESCRIPTION	QTY	Status	ASSET#
Field HQ	1983 Caterpillar 953 Track Loader	1	Operable	TL-20
Field HQ	2008 Backman Coulter Multisizer 4	1	Operable	1045429
Field HQ	2003 Barnstead International 62700 Furnace	1	Inoperable	F62730
Field HQ	Snugtop White Camper	1	Operable	T-165
Warehouse	Biotage Turbovap II	1	Inoperable	30556
Warehouse	Yamato Oven DX602	2	Inoperable	N/A
Warehouse	Rough Pump (DS 102)	2	Inoperable	N/A
Warehouse	REVCO VCR449D14 Refrigerator	1	Inoperable	N/A
Warehouse	PAPER-COPY-85"X11"-WHITE	18	Operable	N/A
Warehouse	Biotage Turbovap II	2	Operable	30646, 30644

AGENDA ITEM SUBMITTAL

Meeting Date: March 13, 2025

To: Administration/Finance Issues Cte.
Board of Directors

From: John Kennedy

Staff Contact: M. Patel/B. Smith

Budgeted: Partial

Budgeted Amount: \$100,000

Cost Estimate: \$155,000

Funding Source: R&R

Program/Line Item No. R24025

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

**Subject: ADDITIONAL FUNDS FOR REFURBISHMENT AND REPLACEMENT
FUND R24025: RECHARGE OPERATIONS HEAVY EQUIPMENT**

SUMMARY

The fiscal year 2024-25 Refurbishment and Replacement (R&R) budget included \$100,000 to address unforeseen heavy equipment issues associated with the District's recharge operations. An addition of \$55,000 funding is necessary due to the unusual number of necessary repairs.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for March 19 Board meeting: Authorize additional funds in the amount of \$55,000 for R&R account R24025 for repair of heavy equipment.

BACKGROUND/ANALYSIS

The fiscal year 2024-25 budget included an R&R funded account to cover unforeseen expenses associated with maintaining the recharge operation's heavy equipment. This type of R&R funded account for unforeseen expenses associated with heavy equipment is included each year in the Recharge Operations budget.

This fiscal year there have been several unforeseen expenses that go beyond the typical value of equipment failures experienced. A list of the major items is summarized below in Table 1.

Staff recommends authorization of additional funds in the amount of \$55,000 to be added to R24025 from the R&R reserves. The funds will be used to pay for the unforeseen heavy equipment issues already experienced this fiscal year, and to provide funding for potential future issues during the remainder of the fiscal year.

Table 1: FY 2024-25 Recharge Operations Heavy Equipment Repair Summary

Description	Budget
Bulldozer TL-37 Undercarriage Repair	\$ 20,000
Tractor RT-31 Steering & Tire Repair	\$ 15,500
Bulldozer TL-36 Undercarriage Repair	\$ 7,500
Bulldozer TL-41 Undercarriage Repair	\$ 28,000
Bulldozer TL-39 Undercarriage Repair	\$ 50,000
Repairs To Date Total	\$ 121,000
Remaining Repair Budget in FY 2024-25	\$ 34,000
Total Budget	\$ 155,000

PRIOR RELEVANT BOARD ACTION(S)

N/A



SAWPA

SANTA ANA WATERSHED PROJECT AUTHORITY

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

This meeting will be conducted in person at the addresses listed below. As a convenience to the public, members of the public may also participate virtually using one of the options set forth below. Any member of the public may listen to the meeting or make comments to the Commission using the call-in number or Zoom link. 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.

Meeting Access Via Computer (Zoom):	Meeting Access Via Telephone:
<ul style="list-style-type: none">• https://sawpa.zoom.us/j/85303187538	<ul style="list-style-type: none">• 1 (669) 900-6833
<ul style="list-style-type: none">• Meeting ID: 853 0318 7538	<ul style="list-style-type: none">• Meeting ID: 853 0318 7538

REGULAR COMMISSION MEETING TUESDAY, MARCH 18, 2025 – 9:30 A.M.

Santa Ana Watershed Project Authority
11615 Sterling Avenue
Riverside, CA 92503

and

601 N. Ross Street, Room 327
Santa Ana, CA 92701

AGENDA

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE

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, March 17, 2025. 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: MARCH 4, 2025

Recommendation: Approve as posted.

6. WORKSHOP DISCUSSION AGENDA

A. LEGISLATIVE REPORT

Presenter: Michael Boccadoro and Beth Olhasso, West Coast Advisors

Recommendation: Receive and file.

7. NEW BUSINESS

A. FYE 2026 AND 2027 GENERAL FUND DRAFT BUDGET (CM#2025.22)

Presenter: Karen Williams

Recommendation: Receive and file.

B. UPDATE ON THE SANTA ANA RIVER HABITAT SURVEY (CM#2025.23)

Presenter: Ian Achimore

Recommendation: Receive and file.

8. INFORMATIONAL REPORTS

Recommendation: Receive for information.

A. CASH TRANSACTIONS REPORT – JANUARY 2025

Presenter: Karen Williams

B. INTER-FUND BORROWING – JANUARY 2025 (CM#2025.24)

Presenter: Karen Williams

C. PERFORMANCE INDICATORS/FINANCIAL REPORTING – JANUARY 2025 (CM#2025.25)

Presenter: Karen Williams

D. PROJECT AGREEMENT 25 – OWOW FUND – FINANCIAL REPORT, JANUARY 2025

Presenter: Karen Williams

E. PROJECT AGREEMENT 26 – ROUNDTABLE FUND – FINANCIAL REPORT, JANUARY 2025

Presenter: Karen Williams

F. SECOND QUARTER FYE 2025 EXPENSE REPORT

- General Manager
- Staff

Presenter: Karen Williams

G. BUDGET VS ACTUAL VARIANCE REPORT FYE 2025 SECOND QUARTER – DECEMBER 31, 2024 (CM#2025.26)

Presenter: Karen Williams

H. FINANCIAL REPORT FOR THE SECOND QUARTER ENDING DECEMBER 31, 2024

Presenter: Karen Williams

I. STATE LEGISLATIVE REPORT

Presenter: Jeff Mosher

J. GENERAL MANAGER REPORT

Presenter: Jeff Mosher

K. CHAIR'S COMMENTS/REPORT

L. COMMISSIONERS' COMMENTS

M. COMMISSIONERS' REQUEST FOR FUTURE AGENDA ITEMS

9. CLOSED SESSION

A. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Significant exposure to litigation pursuant to paragraph (2) or (3) of subdivision (d) of Section 54956.9: one case

10. CLOSED SESSION REPORT

11. 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 March 13, 2025, 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.

2025 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.)

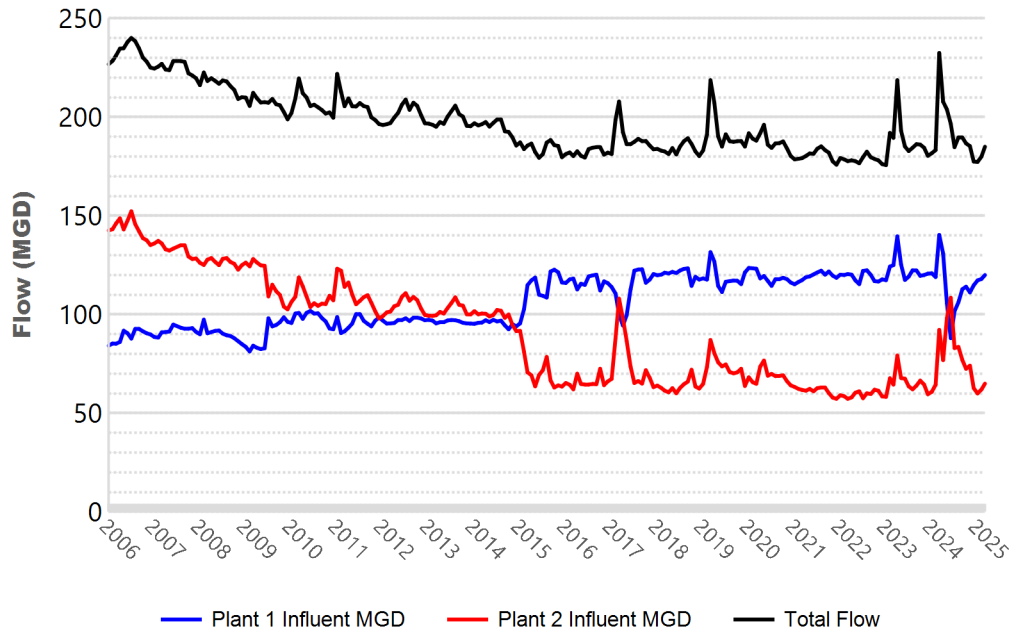
January		February	
1/7/25	Commission Workshop [cancelled]	2/4/25	Commission Workshop
1/21/25	Regular Commission Meeting	2/18/25	Regular Commission Meeting
March		April	
3/4/25	Commission Workshop	4/1/25	Commission Workshop
3/18/25	Regular Commission Meeting	4/15/25	Regular Commission Meeting
May		June	
5/6/25	Commission Workshop	6/3/25	Commission Workshop
5/20/25	Regular Commission Meeting	6/17/25	Regular Commission Meeting
5/13 – 5/15/25 ACWA Spring Conference, Monterey, CA			
July		August	
7/1/25	Commission Workshop	8/5/25	Commission Workshop
7/15/25	Regular Commission Meeting	8/19/25	Regular Commission Meeting
September		October	
9/2/25	Commission Workshop	10/7/25	Commission Workshop
9/16/25	Regular Commission Meeting	10/21/25	Regular Commission Meeting
November		December	
11/4/25	Commission Workshop	12/2/25	Commission Workshop
11/18/25	Regular Commission Meeting	12/16/25	Regular Commission Meeting
		12/2 – 12/4/25 ACWA Fall Conference, San Diego, CA	

WATER RESOURCES SUMMARY

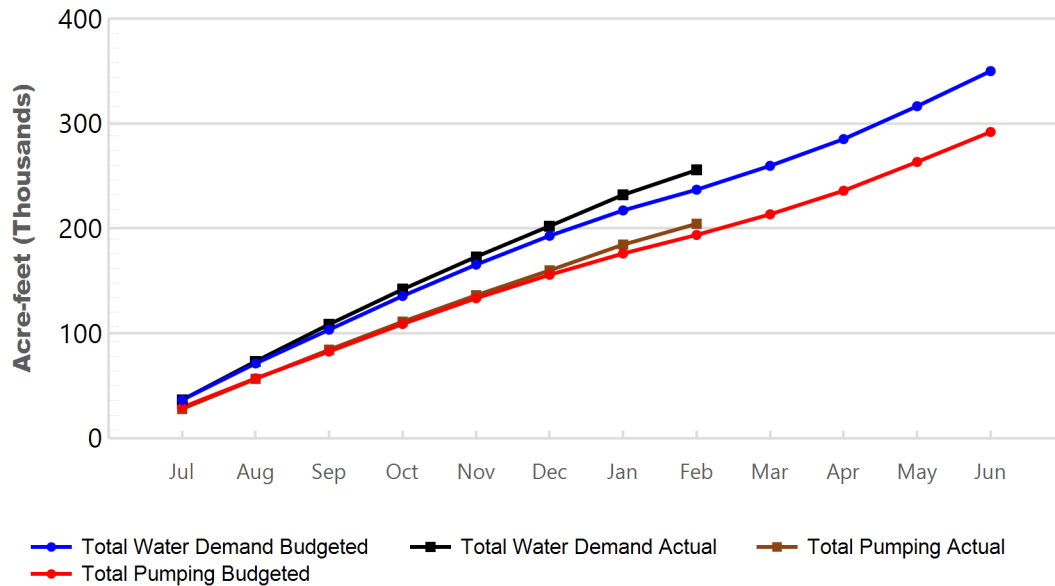
February 2025

INFLOWS & OUTFLOWS (acre-feet)		Total for Month	Year to Date - This Year Last Year	
BASIN SUPPLIES				
Water Purchases from MWD (excludes In Lieu)		0	13	7
SAR & Santiago Creek Flows (accounts for storage to/from recharge facilities)		14,048	67,393	207,474
GWRS Water to Forebay		7,451	56,009	62,671
GWRS Water to Mid-Basin Injection Wells		510	4,777	4,788
GWRS Water to Talbert Barrier		1,249	12,634	12,428
OC-44 and F. Valley Water to Talbert Barrier		0	10	7
Alamitos Barrier Water		220	1,719	1,356
Incidental Recharge (estimated)		3,500	13,100	19,400
Evaporation from Recharge Basins		(218)	(1,910)	(2,492)
River Flow Lost to Ocean		(1,513)	(1,572)	(95,202)
Total Groundwater Recharge		25,247	152,173	210,436
GROUNDWATER PRODUCTION		19,873	204,431	186,148
BASIN BALANCE				
Change in Groundwater Storage		5,375	(52,257)	24,289
Accumulated Overdraft		----	184,821	164,715
OCWD IN LIEU PURCHASES (MWD CYCLIC STORAGE)		0	0	0
OTHER KEY INFORMATION				
1. MWD Water Deliveries to Producers		2,143	36,348	41,293
2. Achieved Basin Production Percentage (Current BPP - 85%)		90.3 %	84.9 %	81.8 %
3. Total Water Demand		23,609	255,639	241,111
4. Total GWRS Production		9,212	73,457	79,925
5. Green Acres Project Water		156	2,677	2,106
6. SAR Water Quality				
- Total Dissolved Solids (TDS) of SAR below Prado Dam		624.0	----	272.0
- Total Nitrogen of SAR below Prado Dam		5.1	----	1.8
7. Month-End Water Storage Behind Prado Dam		7,969	----	19,506
8. Month-End Water Storage in Recharge Facilities		18,244	----	23,986
9. Water Storage Change in Recharge Facilities		8,397	(238)	2,736
10. Total Artificial Recharge		21,747	139,073	191,036
11. Monthly Mean Temperature at Santa Ana Fire Station		57 °F	----	58.5 °F
12. Rainfall at FHQ (inches)		3.55 in	4.47 in	16.07 in

Orange County Sanitation District Influent Flows Report

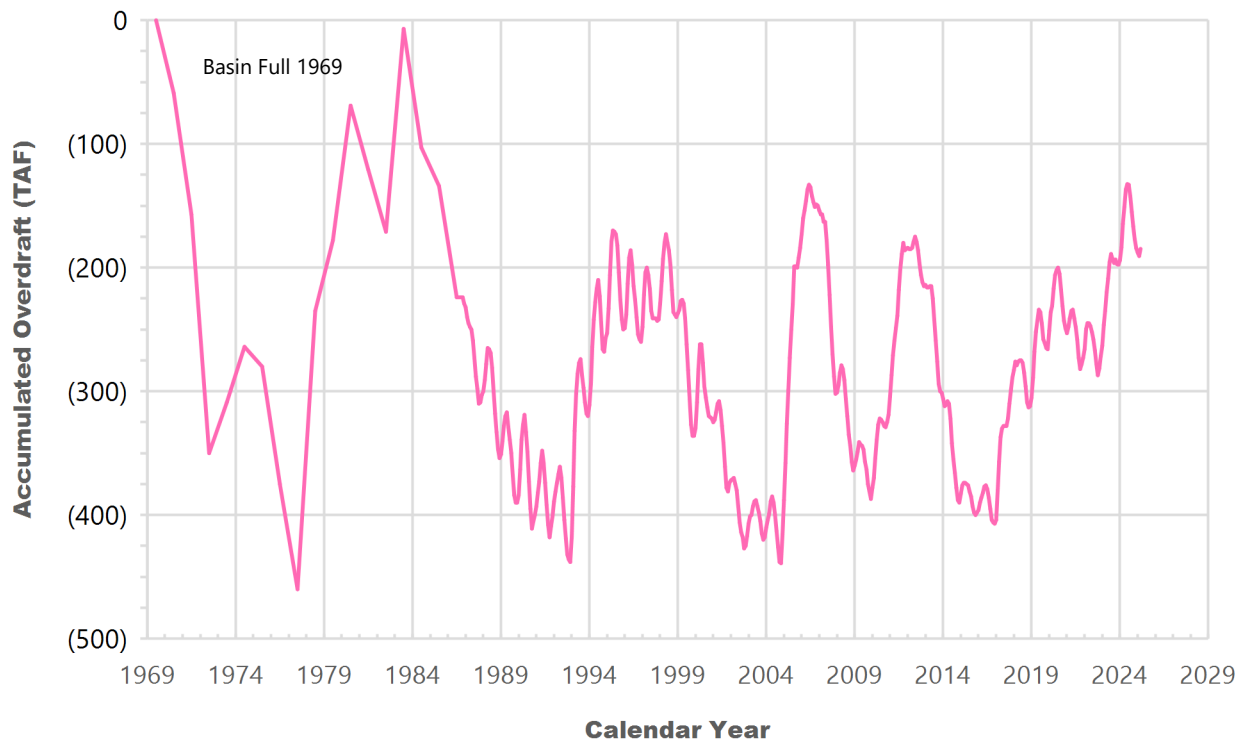


2024-25 Water Demands/Groundwater Pumping/RA Revenue Report

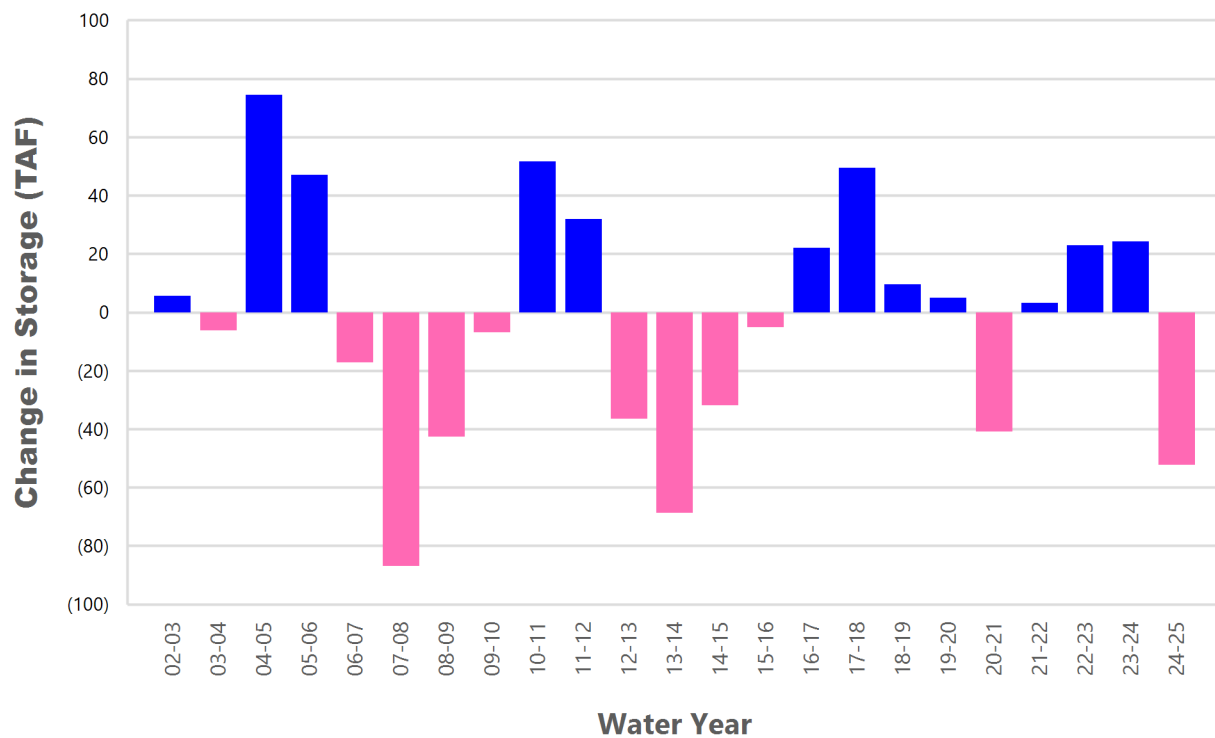


	Monthly		Accumulated Total for the Year			
	Budget	Actual	Budget	Actual	Difference	Percent
Total Water Demand	19,800	23,609	237,000	255,639	18,639	107.86 %
Total Pumping	17,700	19,873	193,800	204,431	10,631	105.49 %
RA Revenue	\$12,177,600	\$13,672,624	\$133,334,400	\$140,648,528	\$7,314,128	105.49 %

Accumulated Overdraft



YTD Change in Groundwater Storage in OCWD



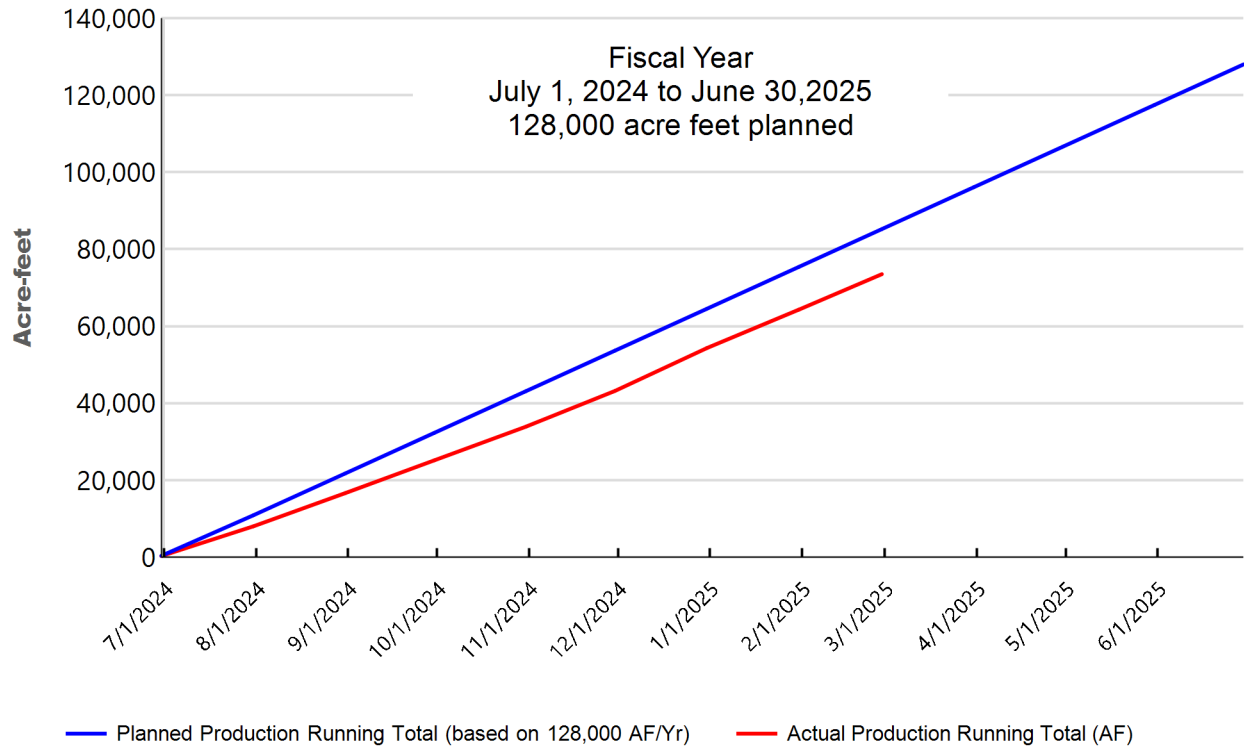
PRODUCERS WATER USAGE SUMMARY

February 2025

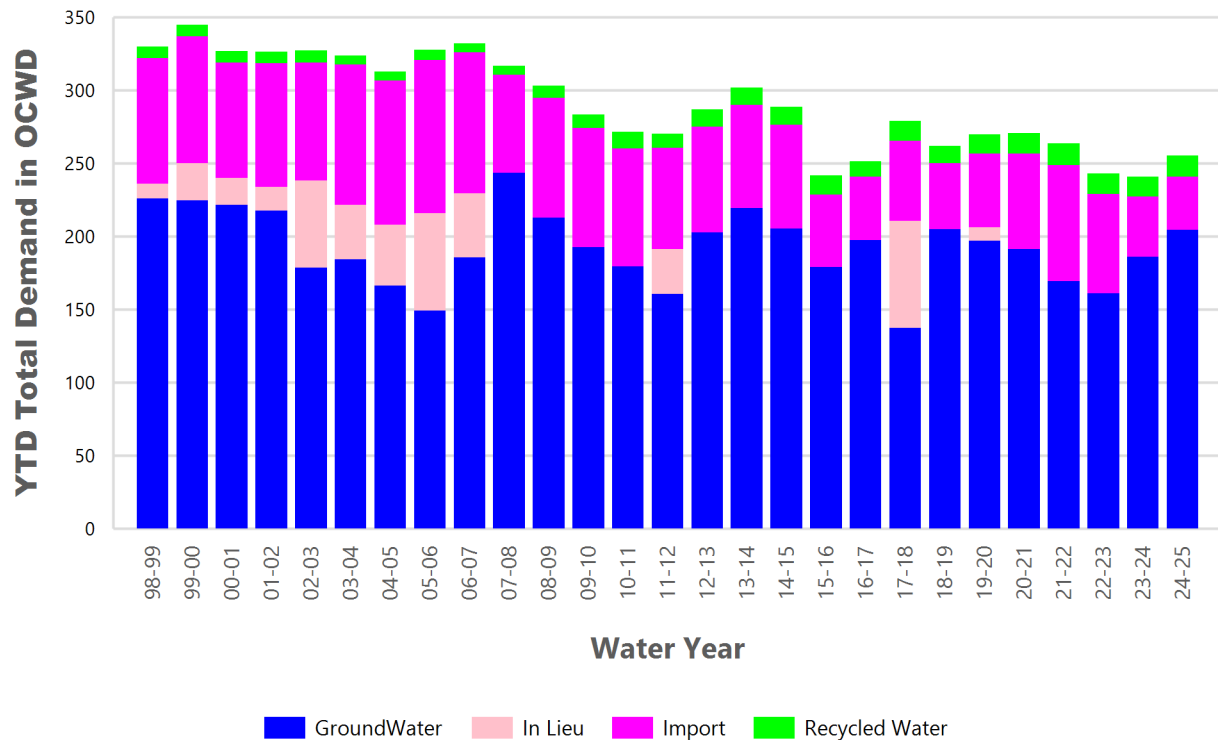
(units are acre-feet, unless percentage)

WATER AGENCY	Ground water	In Lieu	Reclaimed Water	Total Import	Total Demand	2024-25 YTD Demand	2023-24 YTD Demand	YTD % Diff Demand	Feb 2025 BPP	2024-25 YTD BPP	2023-24 YTD BPP
Anaheim	3,081	0	0	388	3,470	38,513	35,397	109 %	88.8 %	81.5 %	54.3 %
Buena Park	731	0	0	1	732	8,601	8,028	107 %	99.9 %	88.2 %	92 %
East Orange County	152	0	0	0	152	1,233	518	238 %	100 %	100 %	0.5 %
Fountain Valley	513	0	26	11	550	6,736	6,084	111 %	97.8 %	99.8 %	100 %
Fullerton	986	0	0	259	1,245	14,915	13,864	108 %	79.2 %	67.3 %	76.5 %
Garden Grove	1,340	0	0	0	1,340	14,463	13,988	103 %	100 %	94.6 %	100 %
Golden State	1,005	0	0	332	1,337	15,210	13,959	109 %	75.1 %	65.7 %	63 %
West OC System	673	-	-	169	842	9,054	8,595	105 %	na	na	na
East OC System	331	-	-	163	495	6,157	5,364	115 %	na	na	na
Huntington Beach	1,400	0	0	116	1,516	16,807	15,921	106 %	92.4 %	87.7 %	85.5 %
Irvine Ranch	3,000	0	1,520	7	4,527	41,436	41,732	99 %	99.8 %	98.8 %	99.9 %
DRWF Clear	1,955	-	-	-	1,955	17,482	19,327	90 %	na	na	na
DRWF Color	640	-	-	-	640	5,583	5,217	107 %	na	na	na
Laguna Beach	0	0	0	189	189	2,192	2,019	109 %	0 %	0 %	0 %
La Palma	99	0	0	0	99	1,114	1,094	102 %	100 %	100 %	99.9 %
Mesa Water (MW)	955	0	22	0	977	11,089	10,496	106 %	100 %	100 %	100 %
MW Clear	837	-	-	-	837	9,197	8,600	107 %	na	na	na
MW Amber	118	-	-	-	118	1,329	1,423	93 %	na	na	na
Newport Beach	640	0	9	64	714	9,303	8,458	110 %	90.9 %	85.6 %	81.1 %
Orange	1,385	0	0	69	1,454	17,138	15,671	109 %	95.2 %	81.5 %	87.4 %
OCWD (GAP)	101	0	0	0	101	1,012	1,129	90 %	100 %	100 %	100 %
Santa Ana	1,859	0	9	289	2,157	22,181	20,782	107 %	86.5 %	87.5 %	84.7 %
Seal Beach	244	0	0	1	244	2,619	1,978	132 %	99.8 %	85.5 %	99.7 %
Serrano	24	0	0	100	124	1,791	1,583	113 %	19.4 %	59.1 %	42.6 %
Tustin	363	0	0	224	587	6,433	6,599	97 %	61.8 %	62.9 %	72.1 %
Westminster	704	0	0	0	704	7,027	6,609	106 %	100 %	100 %	100 %
Yorba Linda	850	0	0	98	948	13,037	11,593	112 %	89.7 %	84.9 %	85.8 %
SUBTOTAL	19,431	0	1,586	2,148	23,165	252,851	237,501	106 %	90 %	84.7 %	81.6 %
Other Producers (Est ~2% of Subtotal)	441	0	0	3	444	2,787	3,610	77 %			
TOTAL	19,872	0	1,586	2,150	23,609	255,638	241,111	106 %	90.2 %	84.9 %	81.8 %
OCWD (Talbert Barrier)	0		1,249	0	1,249	12,634	12,428				
OCSD (GAP)	na		90	na	90	686	677				

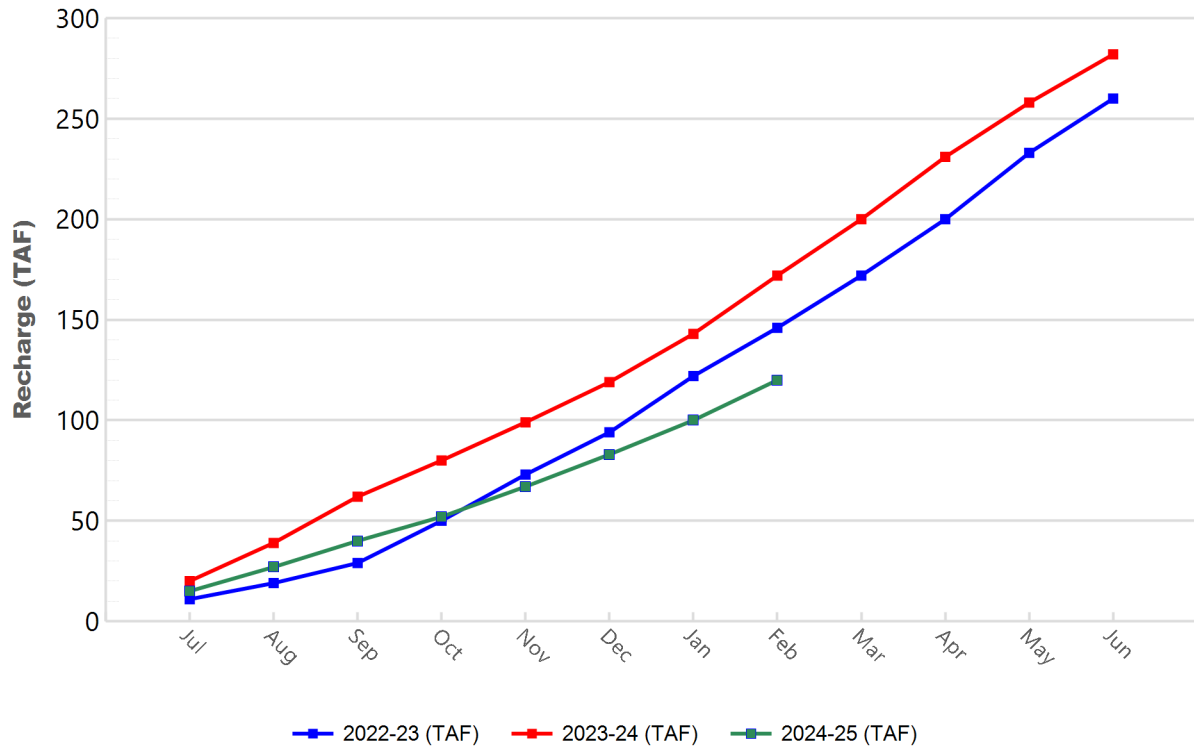
GWRS Actual Production to Target Production



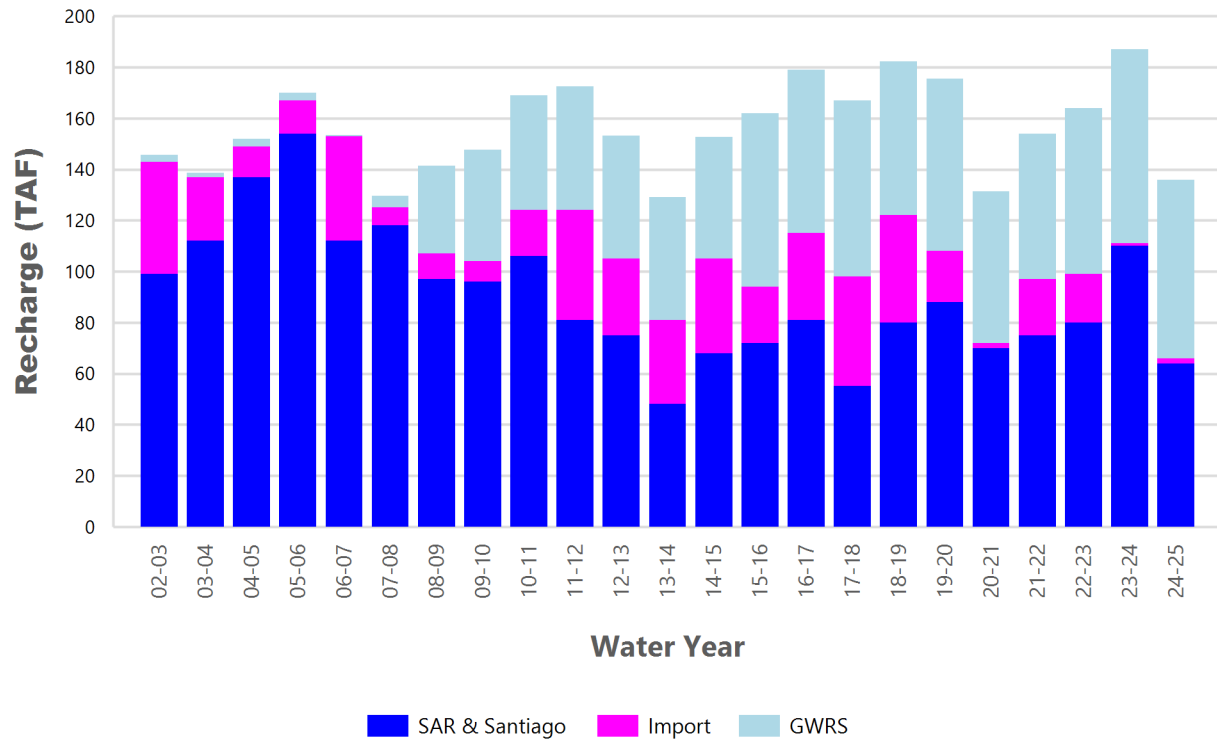
YTD Total Demand in OCWD



Annual Forebay Recharge



YTD Artificial Recharge by OCWD



RECHARGE AREAS REPORT

February 2025

	Percolation (AF)	Remarks
RIVER SYSTEM	4,298	77 cfs per day average perc
DESILTING SYSTEM	na	SAR
OFF-RIVER SYSTEM	2,074	SAR
WARNER SYSTEM	718	SAR
OLIVE BASIN	na	Passive System
ANAHEIM LAKE	2,044	SAR
MINI-ANA LAKE	147	SAR
MILLER BASIN	823	GWRS
KRAEMER BASIN	3,096	GWRS
LA PALMA BASIN	1,488	GWRS
MIRALOMA BASIN	1,847	GWRS
LA JOLLA BASIN	308	SAR
PLACENTIA BASIN	0	
RAYMOND BASIN	223	SAR
FIVE COVES BASIN	na	SAR
BURRIS BASIN	1,082	SAR
RIVER VIEW BASIN	190	SAR, Burris Pumping, Local Runoff
FLETCHER BASIN	89	SAR, Burris Pumping, Local Runoff
SANTIAGO BASINS	945	SAR, Burris Pumping, Local Runoff
SANTIAGO CREEK	395	SAR, Burris Pumping, Local Runoff
TOTALS	19,768	
5-YR AVERAGE	22,243	

FLOWS TO RECHARGE AREAS (AF)	
Imperial Headgates (estimated)	20,077
GWRS	7,451
OC-28 (MWD)	0
OC-28a (MWD)	0
OC-59	0
Est'd local Forebay inflow below Imperial	1,498
Est'd local Santiago inflow (estimated)	571
Irvine lake releases (OC-13 MWD)	0
Villa Park Dam releases (estimated)	0
Precip at Warner Basin (inches)	3.55
Precip direct to open water surfaces	298
TOTAL INFLOW	29,895

LOSSES FROM RECHARGE AREAS (AF)	
Est'd SAR flow past Chapman Ave.	1,312
Est'd Santiago Cr. flow to SAR	201
Est'd flows past Raymond Basin	0
Calc'd evap (inches) Estimated	3.01
Est'd evaporative losses	218
TOTAL LOSSES	1,731

STORAGE CHANGES (AF)			
Facility	Begin	End	Net
Deep basins	5,447	9,164	3,717
Santiago Pits	4,401	9,080	4,680
River			
Off-river			
Irvine Lake			
TOTAL	9,848	18,244	8,397

SUMMARY (AF)	
TOTAL INFLOW	29,895
TOTAL LOSSES	1,731
STORAGE CHANGE	8,397
CALC'D PERCOLATION	19,768

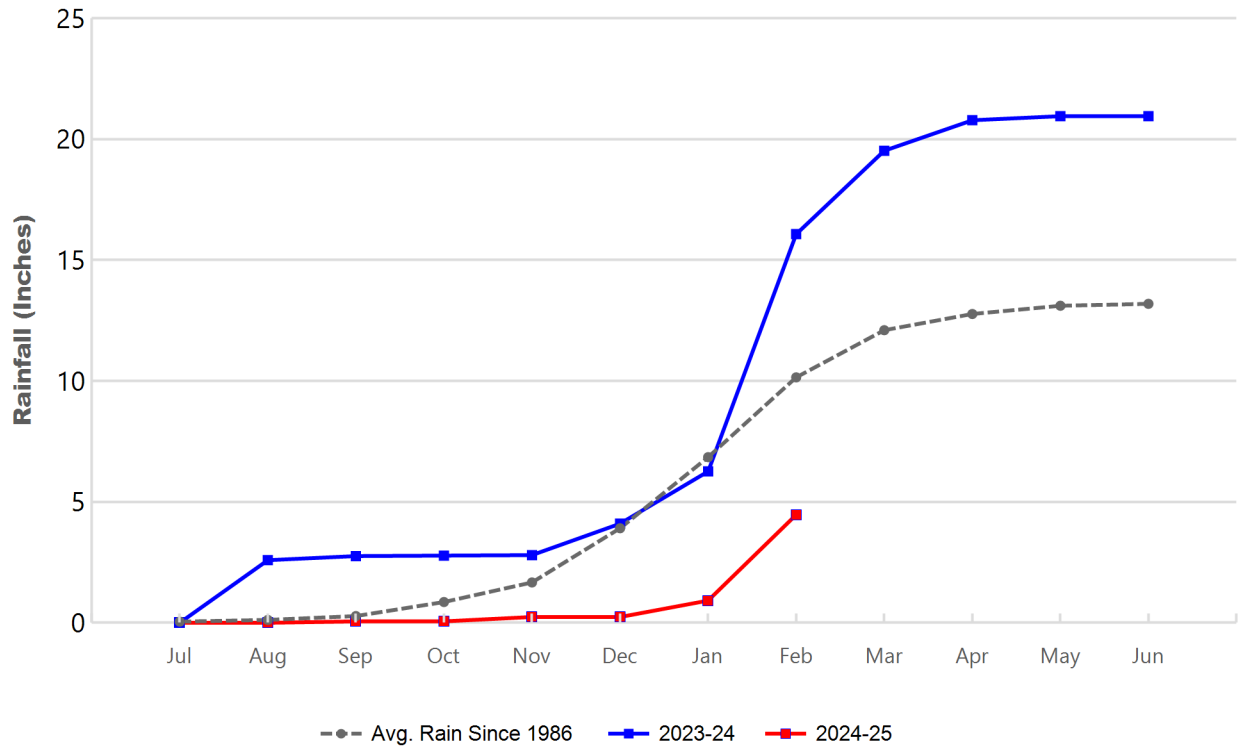
DEEP BASINS MONTHLY STATUS

February 2025

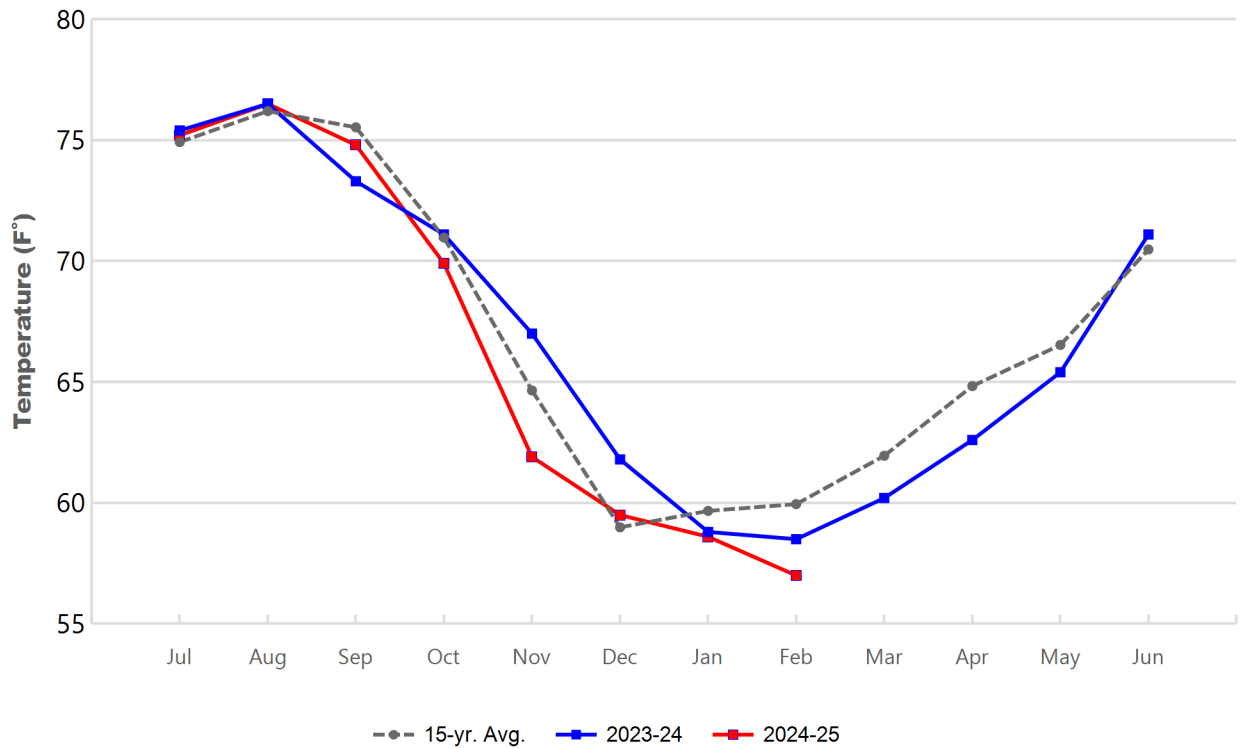
(values in acre-feet)

<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	240	252	na	na	na	na
Fos-Huckleberry	547	578	628	na	na	na	na
Conrock Basin	574	615	661	na	na	na	na
Warner Basins	2,575	2,860	2,900	718	na	na	236
Olive Pit	30	46	95	na	na	na	213
Anaheim Lake	363	1,641	2,300	2,044	163	75	192
Mini-Anaheim Lk	0	7	10	147	15	5	222
Miller Basin	0	231	350	823	106	29	204
Kraemer Basin	72	112	1,055	3,096	160	111	182
La Palma Basin	95	21	101	1,488	114	53	214
Miraloma Basin	43	43	53	1,847	69	66	220
La Jolla Basin	0	20	20	308	21	11	202
Placentia Basin	0	0	260	0	0	0	155
Raymond Basin	0	199	260	223	34	8	146
Five Coves Basins	182	285	329	na	na	na	na
Burris Pit	736	2,246	2,500	1,082	84	40	163
River View Basin	0	6	8	190	18	7	187
Fletcher Basin	0	14	15	89	6	3	187
Santiago (Bond)	3,268	6,038	8,312	945	74	35	234
Santiago (Blu Dia)	1,133	3,043	5,259	-	-	-	-
Totals	9,848	18,244	25,367	13,001			
Prado Dam	6	7,969	20,000				

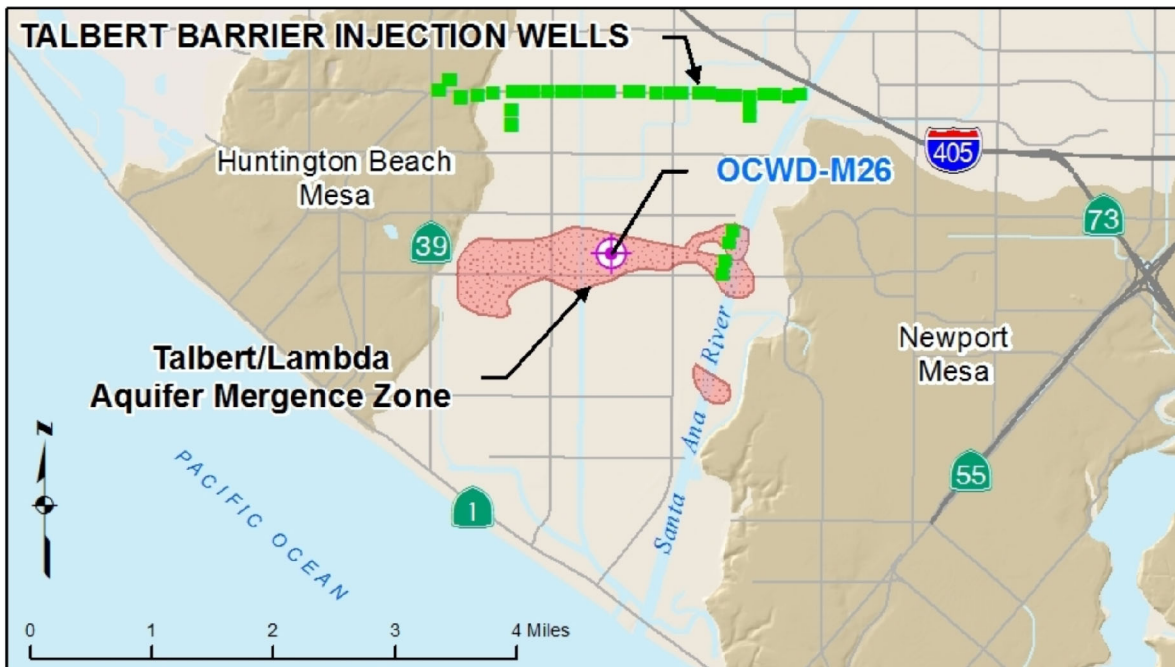
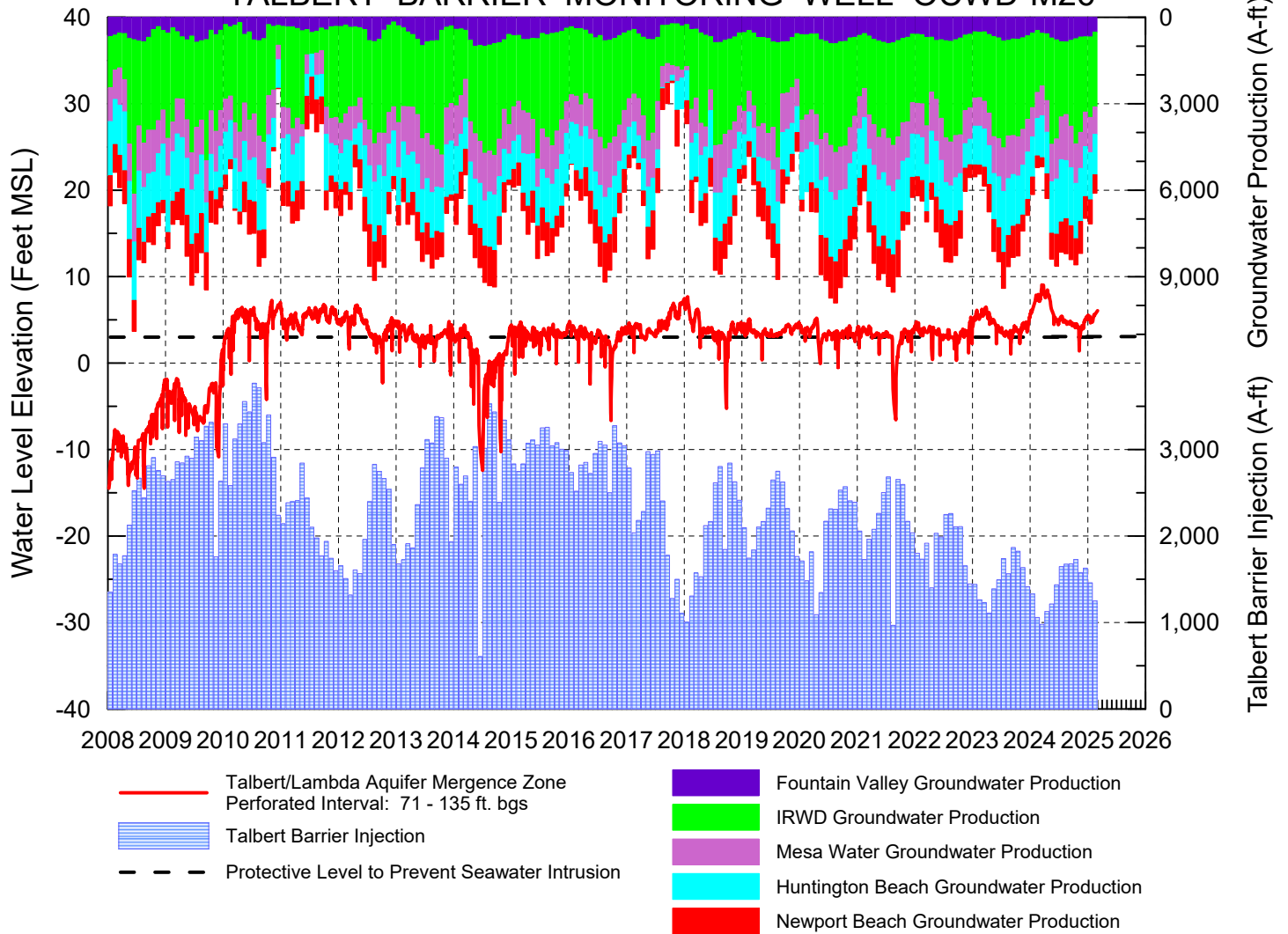
Cumulative Anaheim Field HQ Rainfall



Temperature at Santa Ana Fire Station



TALBERT BARRIER MONITORING WELL OCWD-M26



ACTION AGENDA
PROPERTY MANAGEMENT COMMITTEE MEETING
Friday, February 28, 2025, 12:00 p.m. Conference Room C-2

<u>ROLL CALL</u>	Quorum of Board: Yes
Steve Sheldon	
Natalie Meeks (absent)	Quorum of Cte: Yes
Fred Jung	
Roger Yoh	
Cathy Green (absent)	
<u>Alternates</u>	
Dina Nguyen (absent)	
Valerie Amezcua	
Van Tran (absent)	
Erik Weigand	
Denis Bilodeau	
CONSENT CALENDAR (ITEM NOS. 1-2)	
1. MINUTES OF PROPERTY MANAGEMENT COMMITTEE MEETING HELD JANUARY 24, 2025	Approved
RECOMMENDATION: Approve minutes as presented	
2. EXECUTION OF REINSTATEMENT AND FIRST AMENDMENT TO GRANT OF EASEMENT FOR MONITORING WELL TIC-67	Approved
RECOMMENDATION: Agendize for March 19 Board meeting: Authorize the General Manager to execute the Reinstatement and First Amendment to the Grant of Easement with The Irvine Company, at no cost, with automatic annual renewals, for continued access to monitoring well TIC-67	
INFORMATIONAL ITEMS	
3. STATUS UPDATE ON CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) PROPERTY AT BURRIS BASIN AND NSM GOLF, INC. D.B.A. THE ISLANDS GOLF CENTER	Informational
4. STATUS UPDATE REGARDING THE DISTRICT'S IMPERIAL HIGHWAY PROPERTY	Informational
5. STATUS UPDATE ON PLANNING OF IN-PLACE REMEDIATION FOR THE PRADO LEAD REMEDIATION PROJECT	Informational
CHAIR DIRECTION AS TO ITEMS TO AGENDIZE AS MATTERS FOR CONSIDERATION AT THE MARCH 19 BOARD MEETING	Consent: Item No.2
ADJOURNMENT	12:30 p.m.

ACTION AGENDA
COMMUNICATIONS AND LEGISLATIVE LIAISON COMMITTEE MEETING
March 6, 2025 12:00 p.m.- Conference Room C-2

ROLL CALL Van Tran Roger Yoh Steve Sheldon Valerie Amezcua Erik Weigand <u>Alternates</u> Cathy Green Fred Jung Dina Nguyen (absent) Natalie Meeks Denis Bilodeau (absent)		Quorum of Cte: Yes Quorum of Board: Yes
CONSENT CALENDAR (ITEMS NO. 1)		
1. MINUTES OF COMMUNICATIONS AND LEGISLATIVE LIAISON COMMITTEE MEETING HELD February 6, 2025 RECOMMENDATION: Approve minutes as presented		Approved
MATTERS FOR CONSIDERATION		
2. STATE LEGISLATIVE UPDATE RECOMMENDATION: Agendize for March 19 Board meeting: Take the following position:		Approved
Bill Number/Author	Short Title	
SB 72 (Caballero, D-Merced)	The California Water Plan: long-term supply targets 'California Water for All'	
Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Related Bills:		
AB 794 (Gabriel, D-Encino)	California Safe Drinking Water Act: emergency regulations	
SB 454 (McNerney, D-Stockton) ACWA Sponsored Bill	SB 454 State Water Resources Control Board: PFAS Mitigation Program	
* AB 794 – OCWD will send letter to express concerns and thoughts on this to the bill author for consideration		
3. FEDERAL LEGISLATIVE UPDATE RECOMMENDATION: Agendize for March 19 Board meeting: Take action as appropriate		Approved
Bill Number/Authors	Short Title	Recommended Position
H.R. 1267 Marie Gluesenkamp Perez (D-WA) & Celeste Maloy (R-UT)	Water Systems PFAS Liability Protection Act	Support

S. 322 Alex Padilla (D-CA)	Improve Atmospheric River Forecasts Act	Support	
4. ORANGE COUNTY WATER DISTRICT STATE AND FEDERAL LEGISLATIVE GOALS & STRATEGY/ LEGISLATIVE PLATFORM			Approved
RECOMMENDATION: Agendize for March 19 Board meeting: Approve the OCWD 2025 State and Federal Legislative Goals and Strategy and OCWD 2025-26 Legislative Platform			
INFORMATIONAL ITEMS			
5. PUBLIC AFFAIRS OUTREACH REPORT (February)			Informational
CHAIR DIRECTION AS TO WHICH ITEMS IF ANY TO BE AGENDIZED AS A MATTER FOR CONSIDERATION AT THE MARCH 19 BOARD MEETING			Items #2 – 4 on consent
ADJOURNMENT			12:50 p.m.

ACTION AGENDA
WATER ISSUES COMMITTEE MEETING
ORANGE COUNTY WATER DISTRICT
Wednesday, March 12, 2025 12:00 p.m., Boardroom

ROLL CALL Cathy Green Erik Weigand Roger Yoh Van Tran Dina Nguyen (absent) <u>Alternates</u> Valerie Amezcua Fred Jung Natalie Meeks arrived 12:10 p.m. Steve Sheldon arrived 12:04 p.m. Denis Bilodeau	Quorum of Cte: Yes Quorum of Board: Yes
CONSENT CALENDAR (ITEMS NO. 1 – 11)	
1. MINUTES OF WATER ISSUES COMMITTEE MEETING HELD FEBRUARY 12, 2025 RECOMMENDATION: Approve minutes as presented	Approved
2. REQUEST FOR PROPOSALS: 2025 ASPHALT PAVEMENT REHABILITATION DESIGN RECOMMENDATION: Agendize for March 19 Board Meeting: Authorize issuance of a Request for Proposals for the 2025 Asphalt Pavement Rehabilitation Design	Approved
3. EMERGENCY REPAIR WORK ORDER RATIFICATIONS RECOMMENDATION: Agendize for March 19 Board meeting: <ol style="list-style-type: none"> 1) Ratify Work Order No. 7 of Agreement No. 1451 and payment to W.A. Rasic, Inc. for emergency repairs totaling \$29,258; and; 2) Ratify Work Order No. 10 of Agreement No. 1451 and payment to W.A. Rasic, Inc. for emergency repairs totaling \$25,563 	Approved
4. CONTRACT SB-2025-1, BOND BASIN SLOPE REPAIR PROJECT: REQUEST FOR PROPOSALS FOR CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES RECOMMENDATION: Agendize for March 19 Board meeting: Authorize issuance of RFP for Construction Management and Inspection Services for Contract No. SB-2025-1, Bond Basin Slope Repair Project	Approved
5. CITY OF ANAHEIM WELLS 39 AND 47 PFAS TREATMENT SYSTEMS PROJECT: ENGINEER'S REPORT AND CATEGORICAL EXEMPTION RECOMMENDATION: Agendize for March 19 Board meeting: <ol style="list-style-type: none"> 1) Approve the Engineer's Report for the City of Anaheim Wells 39 and 47 PFAS Treatment Systems Project and determine the project feasible, necessary and beneficial to the lands of the District; and 2) Authorize filing of a Categorical Exemption for the City of Anaheim Wells 39 and 47 PFAS Treatment Systems 	Approved

Project in compliance with the California Environmental Quality Act (CEQA) guidelines	
<p>6. CITY OF ANAHEIM WELLS 48 AND 53 PFAS TREATMENT SYSTEMS PROJECT: ENGINEER'S REPORT AND CATEGORICAL EXEMPTION</p> <p>RECOMMENDATION: Agendize for March 19 Board meeting:</p> <ol style="list-style-type: none"> 1) Approve the Engineer's Report for the City of Anaheim Wells 48 and 53 PFAS Treatment Systems Project and determine the project feasible, necessary and beneficial to the lands of the District; and 2) Authorize filing of a Categorical Exemption for the City of Anaheim Wells 48 and 53 PFAS Treatment Systems Project in compliance with the California Environmental Quality Act (CEQA) guidelines 	Approved
<p>7. CITY OF SANTA ANA PFAS TREATMENT AT JOHN GARTHE RESERVOIR: ENGINEER'S REPORT AND CATEGORICAL EXEMPTION</p> <p>RECOMMENDATION: Agendize for March 19 Board meeting:</p> <ol style="list-style-type: none"> 1) Approve the Engineer's Report for the City of Santa Ana PFAS Treatment at John Garthe Reservoir Project and determine the project feasible, necessary and beneficial to the lands of the District; and 2) Authorize filing of a Categorical Exemption for the City of Santa Ana PFAS Treatment at John Garthe Reservoir Project in compliance with the California Environmental Quality Act (CEQA) guidelines 	Approved
<p>8. AUTHORIZE AMENDMENT NO. 1 TO WORK ORDER TO ENVIRONMENTAL SCIENCE ASSOCIATES FOR ARCHEOLOGICAL MONITORING AT SA-2023-1</p> <p>RECOMMENDATION: Agendize for March 19 Board meeting: Authorize Amendment No. 1 for Work Order 12 to Agreement 1135 with ESA, in the amount of \$59,198, to conduct archeological monitoring during new ground disturbance activities for the construction of City of Santa Ana PFAS Water Treatment Plant Well Nos. 27 & 28</p>	Approved
<p>9. SANTIAGO BASIN FLOATING PUMP STATION POWER WIRE AND CONDUIT REPAIRS – AMENDMENT NO. 1 TO AGREEMENT WITH T.E. ROBERTS</p> <p>RECOMMENDATION: Agendize for March 19 Board meeting: Authorize Amendment No. 1 to Agreement No. 1610 with T.E. Roberts for an amount not to exceed \$64,757 for the Santiago Basin Floating Pump Station Power Wire and Conduit Repairs</p>	Approved
<p>10. GOLDEN STATE WATER COMPANY LA JOLLA PLANT AND FERN PLANT PFAS TREATMENT SYSTEMS PROJECT: ENGINEER'S REPORT AND CATEGORICAL EXEMPTION</p> <p>RECOMMENDATION: Agendize for March 19 Board meeting:</p> <ol style="list-style-type: none"> 1) Approve the Engineer's Report for the Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project and determine the project feasible, necessary and beneficial to the lands of the District; and 	Approved

2) Authorize filing of a Categorical Exemption for the Golden State Water Company La Jolla Plant and Fern Plant PFAS Treatment Systems Project in compliance with the California Environmental Quality Act (CEQA) guidelines	
11. AWARD CONTRACT NO. FUL-2024-1 FULLERTON KIMBERLY WELL 2 PFAS WATER TREATMENT PLANT TO R C FOSTER CORPORATION RECOMMENDATION: Agendize for March 19 Board meeting: 1) Receive and file Affidavit of Publication of Notice Inviting Bids for Contract FUL-2024-1 Fullerton Kimberly Well 2 PFAS Water Treatment Plant; 2) Ratify issuance of Addenda 1-2; 3) Accept bid and award contract FUL-2024-1 to the lowest responsive bid and responsible bidder, R C Foster Corporation, in the amount of \$7,071,100; and 4) Establish the Fullerton Kimberly Well 2 PFAS Water Treatment Plant Project budget in the amount of \$10,888,160	Approved
END OF CONSENT CALENDAR	
MATTERS FOR CONSIDERATION	
12. EVALUATION OF LAND SUBSIDENCE HISTORY AND POTENTIAL IN THE ORANGE COUNTY GROUNDWATER BASIN RECOMMENDATION: Agendize for March 19 Board meeting: Authorize issuance of a professional services agreement to GSI Environmental in an amount not to exceed \$34,333 to evaluate land subsidence in the Orange County groundwater basin	Approved
INFORMATIONAL ITEM	
13. PROPOSED FISCAL YEAR 2025-26 WATER PURCHASE BUDGET	Informational
CHAIR DIRECTION AS TO ITEMS IF ANY TO BE AGENDIZED AS MATTERS FOR CONSIDERATION AT THE MARCH 19 BOARD MEETING	Items #2 – 12 on Consent
ADJOURNMENT	12:43 p.m.

ACTION AGENDA
ADMINISTRATION/FINANCE ISSUES COMMITTEE MEETING
Thursday, March 13, 2025, 12:00 p.m.

<p>ROLL CALL Roger Yoh Valerie Amezcua Dina Nguyen Fred Jung Cathy Green</p> <p><u>Alternates</u> Erik Weigand Van Tran Natalie Meeks Steve Sheldon Denis Bilodeau</p>	<p>Quorum of Cte: Yes</p> <p>Quorum of Board: Yes</p>
CONSENT CALENDAR (ITEMS NO. 1 – 10)	
<p>1. MINUTES OF ADMINISTRATION/FINANCE ISSUES COMMITTEE MEETING HELD FEBRUARY 13, 2025</p> <p>RECOMMENDATION: Approve minutes as presented</p>	<p>Approved</p>
<p>2. MONTHLY CASH CONTROL REPORTS</p> <p>RECOMMENDATION: Agendize for March 19 Board meeting: Receive and file Summary Cash and Cash Equivalents Control Reports dated February 28, 2025</p>	<p>Approved</p>
<p>3. INVESTMENT PORTFOLIO HOLDINGS REPORT</p> <p>RECOMMENDATION: Agendize for March 19 Board meeting: Receive and file the Investment Portfolio Holdings Reports dated February 28, 2025</p>	<p>Approved</p>
<p>4. AWARD OF SERVICES AGREEMENT FOR COWBIRD TRAPPING SERVICES</p> <p>RECOMMENDATION: Agendize for March 19 Board meeting: Authorize issuance of Agreement to the Santa Ana Watershed Association for a three (3) year term with an option to extend for an additional one (1) year with General Manager approval for a total amount not to exceed \$55,000 for brown-headed cowbird trapping services within Prado Basin</p>	<p>Approved</p>
<p>5. HABITAT RESTORATION SERVICES AT PRADO AND ORANGE COUNTY FACILITIES REQUEST FOR PROPOSALS</p> <p>RECOMMENDATION: Agendize for March 19 Board meeting: Authorize issuance of Request for Proposals for Habitat Restoration Services within Prado Basin and Orange County Facilities</p>	<p>Approved</p>
<p>6. PURCHASE ORDER TO TABORDA SOLUTIONS, INCORPORATED FOR SOFTWARE UPDATE LICENSE AND SUPPORT RENEWAL FOR ORACLE JD EDWARDS FINANCIAL SYSTEM SOFTWARE</p> <p>RECOMMENDATION: Agendize for March 19 Board meeting: Authorize issuance of a Purchase Order to Taborda Solutions, Inc. for Oracle JD Edwards Software Update License and Support services in the amount not to exceed \$208,101 (\$69,367 annually) for a three-year period commencing on April 30, 2025</p>	<p>Approved</p>
<p>7. ULTRAVIOLET LIGHT (UV) EQUIPMENT SUPPLY</p> <p>RECOMMENDATION: Agendize for March 19 Board meeting: Authorize issuance of Purchase Order to Trojan Technologies Corp for the purchase of 1,080 UV lamps in the amount of \$272,861, including freight</p>	<p>Approved</p>

8. PURCHASE REVERSE OSMOSIS MEMBRANE CLEANING CHEMICALS FROM AMERICAN WATER CHEMICALS, INC	Approved
RECOMMENDATION: Agendize for March 19 Board meeting: Authorize purchase of 20,800 pounds of AWC C-227 RO membrane cleaning chemical from American Water Chemicals, Inc. for the amount of \$77,587	
9. SURPLUS OF RESEARCH & DEVELOPMENT OBSOLETE EQUIPMENT, LAB TOOLS, AND FIELD HEADQUARTER HEAVY-DUTY EQUIPMENT	Approved
RECOMMENDATION: Agendize for March 19 Board meeting: Declare items on Surplus List as of February 10, 2025, surplus and authorize the sale and disposal thereof	
10. ADDITIONAL FUNDS FOR REFURBISHMENT AND REPLACEMENT FUND R24025: RECHARGE OPERATIONS HEAVY EQUIPMENT	Approved
RECOMMENDATION: Agendize for March 19 Board meeting: Authorize additional funds in the amount of \$55,000 for R&R account R24025 for repair of heavy equipment	
INFORMATIONAL ITEMS	
11. PROPOSED FY 2025-26 BUDGET REPLACEMENT & REFURBISHMENT (R&R) FUND EXPENDITURE REVIEW	Informational
12. MONTHLY CASH DISBURSEMENTS REPORT	Informational
CHAIR DIRECTION AS TO WHICH ITEMS IF ANY TO BE AGENDIZED AS MATTERS FOR CONSIDERATION AT MARCH 19 BOARD MEETING	All items on consent
ADJOURNMENT	12:23 p.m.