



# AGENDA

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

## REGULAR MEETING BOARD OF DIRECTORS

### ORANGE COUNTY WATER DISTRICT

**Wednesday, September 18, 2024 – 5:30 p.m. - Boardroom**

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

Computer Audio: Please click the link below to join the Zoom webinar:

<https://ocwd.zoom.us/j/87881361298>

Telephone Audio: (213) 338 8477

Meeting ID: 878 8136 1298

#### Teleconference Site:

10382 Bonnie Drive, Garden Grove  
20 Civic Center, Santa Ana  
1454 Madison Street, Tustin

Embassy Suites, 1393 S. East Street, Arlington, VA, Lobby

\* 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.

## **CONSENT CALENDAR (ITEMS NO. 1 – 19)**

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

### **1. APPROVAL OF CASH DISBURSEMENTS**

RECOMMENDATION: Ratify/authorize payment of bills

### **2. MINUTES OF BOARD OF DIRECTORS MEETINGS HELD AUGUST 21 AND SEPTEMBER 4, 2024**

RECOMMENDATION: Approve as presented

### **3. FIFTH AMENDED AGREEMENT WITH UNITED STATES ARMY CORPS OF ENGINEERS TO PROCESS DEVIATION REQUEST TO PRADO DAM WATER CONTROL PLAN FOR FORECAST INFORMED RESERVOIR OPERATIONS**

RECOMMENDATION: Authorize approval of the Fifth Amended Cooperative Research and Development Agreement (Appendix G) with the United States Army Corps of Engineers for the Review and Processing of Water Control Plan Deviation for Forecast Informed Reservoir Operations (FIRO) for Prado Dam, California subject to approval as to form and content by District's General Counsel, for an additional \$125,000 for a total amount not to exceed \$370,000

## **ITEMS RECOMMENDED FOR APPROVAL AT COMMUNICATIONS AND LEGISLATIVE COMMITTEE MEETING HELD SEPTEMBER 5 (ITEM NO. 4)**

### **4. CHILDREN'S WATER EDUCATION FESTIVAL LOCATION AND CONTRACT APPROVAL**

RECOMMENDATION: Authorize staff to execute an agreement with James Events Productions to host the 2025 Festival at Oak Canyon Park in Orange on April 23-24 and to provide rentals, event planning, and logistical support and services for the 2025 Festival for a combined total amount not to exceed \$195,500

## **ITEMS RECOMMENDED FOR APPROVAL AT WATER ISSUES COMMITTEE MEETING HELD SEPTEMBER 11 (ITEMS NO. 5–8)**

### **5. REPLACEMENT OF WATER QUALITY WESTBAY VEHICLE T-97**

RECOMMENDATION: Authorize issuance of Purchase Order to LDV Custom Specialty Vehicles for \$347,546.00 (not including tax) for purchase and delivery of Mobile Water Sampling Lab Vehicle and authorize the payment of \$30,002 use tax for this vehicle purchase to the California Department of Tax and Fee Administration

### **6. CONTRACT NO. FUL-2022-1 AUTHORIZE NOTICE OF COMPLETION, RATIFY CHANGE ORDERS, AUTHORIZE BUDGET INCREASE, AND AUTHORIZE TRANSFER**

RECOMMENDATION: 1) Ratify issuance of Change Order Nos. 1 – 11 to Pacific Hydrotech for a total amount of \$348,168;

- 2) Accept completion of work and authorize filing a Notice of Completion for Contract No. FUL-2022-1: Fullerton Main Plant PFAS Water Treatment Plant;
- 3) Increase project budget by \$495,430 for a total project budget of \$13,685,430; and
- 4) Authorize the General Manager to transfer the Fullerton Main Plant PFAS Water Treatment Plant to the City of Fullerton effective the date of filing the Notice of Completion and quitclaim any property rights obtained for the project

7. NOTICE OF COMPLETION FOR CONTRACT GBM-2024-1 DESTRUCTION OF MONITORING WELLS AM-29A AND MCAS-10

RECOMMENDATION: Accept completion of the Work and Authorize filing a Notice of Completion for Contract No. GBM-2024-1

8. CONTRACT NO. FUL-2024-1 FULLERTON WELL KIM 2 PFAS WATER TREATMENT PLANT ENGINEERS REPORT, CATEGORICAL EXEMPTION, AND NOTICE INVITING BIDS

RECOMMENDATION:

- 1) Approve the Engineer's Report for the city of Fullerton Wells Kim 2 and Sunclipse 10 PFAS Water Treatment Plant Project and determine the project feasible, necessary and beneficial to the lands of the District;
- 2) 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
- 3) Authorize publication of Notice Inviting Bids for Contract No. FUL-2024-1, Fullerton Well Kim 2 PFAS Water Treatment Plant

**ITEMS RECOMMENDED FOR APPROVAL AT ADMINISTRATION FINANCE COMMITTEE MEETING HELD SEPTEMBER 12 (ITEMS NO. 9 – 19)**

9. MONTHLY CASH CONTROL REPORTS

RECOMMENDATION: Receive and file Summary Cash and Cash Equivalents Control Report dated August 31, 2024

10. INVESTMENT PORTFOLIO HOLDINGS REPORTS

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

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

RECOMMENDATION: Authorize issuance of Purchase Orders to purchase 36,400 pounds of AWC C-227 RO membrane cleaning chemical from American Water Chemicals, Inc. for \$135,777

12. OCWD WEED ABATEMENT AND TRAIL MAINTENANCE SERVICES RFQ  
RECOMMENDATION: Authorize issuance of Request for Qualifications (RFQ) for on-call weed abatement and trail maintenance services at Prado Basin and other District facilities
13. NJBSOFT SAMS WATER QUALITY SCHEDULING AND SAMPLING MANAGEMENT SOFTWARE PILOT  
RECOMMENDATION: Approve and authorize execution of an Agreement with NJBSoft for an amount not to exceed \$65,000 for a pilot study of SAMS software for the Water Quality department commencing on September 30, 2024 through September 30, 2025
14. REQUEST FOR PROPOSALS FOR UTILITY BILL AUDIT AND COST REDUCTION SERVICES  
RECOMMENDATION: Authorize issuance of Request for Proposals (RFP) for Utility Bill Audit and Cost Reduction Services for OCWD
15. AUTHORIZE PURCHASE ORDER TO BENDER/CCP FOR REPAIR OF MICROFILTRATION BACKWASH WASTE PUMP B03  
RECOMMENDATION: Authorize issuance of a purchase order to Bender/CCP in the amount of \$79,946 for repair of microfiltration backwash waste pump B03
16. AUTHORIZE PURCHASE ORDER TO DXP ENTERPRISES FOR REPAIR OF MICROFILTRATION BACKWASH WASTE PUMP A02  
RECOMMENDATION: Authorize issuance of a purchase order to DXP Enterprises, Inc. in the amount of \$88,989 for repair of microfiltration backwash waste pump A02
17. PURCHASE THREE GOULDS HEAVY DUTY SLURRY PUMPS FOR GWRS POST TREATMENT SYSTEM FROM CHARLES P. CROWLEY COMPANY  
RECOMMENDATION: Authorize a purchase order to Charles P. Crowley Company for three Goulds Model JC1J heavy duty slurry pumps for the GWRS post treatment system for an amount not to exceed \$119,440
18. BUDGET TO ACTUAL REPORT FOR THE FOURTH QUARTER FY 2023–24  
RECOMMENDATION: Receive and file the Budget to Actual Report for the Fourth Quarter of Fiscal Year 2023-24 ending June 30, 2024
19. PRODUCERS WELL CONSTRUCTION LOAN PROGRAM  
RECOMMENDATION: Implement a Producers Well Construction Loan Program and authorize legal counsel to prepare an appropriate agreement

**INFORMATIONAL ITEMS**

20. PFAS UPDATE
21. SAWPA UPDATE

22. WATER RESOURCES SUMMARY

23. COMMITTEE/CONFERENCE/MEETING REPORTS

- ▶ Sept 05- Communications and Legislative Committee (Chair Bilodeau)
- ▶ Sept 11 - Water Issues Committee (Chair Whitaker)
- ▶ Sept 12 - 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)

24. VERBAL REPORTS

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

**ADJOURNMENT**

**Agenda Posting:** In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted in the main lobby of the Orange County Water District, 18700 Ward Street, Fountain Valley, CA and on the OCWD website: [www.ocwd.com](http://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](http://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](mailto: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](http://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:** September 18, 2024

**To:** Board of Directors

**From:** John Kennedy

**Staff Contact:** M. Ochoa

**Budgeted:** N/A

**Budgeted Amount:**

**Cost Estimate** \$3,147,622.75

**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**

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#### **SUMMARY**

For the period of August 29, 2024 through September 11, 2024, including manual checks and wire transfers, staff is presenting cash disbursements totaling \$3,147,622.75 disbursed for each period as follows:

Accounts Payable:		
08/29/2024 - 09/04/2024	\$	937,066.17
09/05/2024 - 09/11/2024	\$	815,584.62
Payroll	\$	1,394,971.96
<b>Total Disbursements</b>	<b>\$</b>	<b>3,147,622.75</b>

#### **RECOMMENDATION**

Ratify/Authorize payment of bills

#### **PRIOR RELEVANT BOARD ACTION(S)**

Semi-monthly



**MINUTES OF MEETING  
BOARD OF DIRECTORS, ORANGE COUNTY WATER DISTRICT  
August 21, 2024 5:30 p.m.**

President Green called to order the August 21, 2024 regular meeting of the Orange County Water District Board of Directors at 5:30 p.m. Following the Pledge of Allegiance to the Flag, the District Secretary called the roll and reported a quorum as follows. Public access was also provided via Zoom webinar.

<u>Directors</u>	<u>Staff</u>
Valerie Amezcuia	John Kennedy, General Manager
Denis Bilodeau	Jeremy Jungreis, General Counsel
Cathy Green	Christina Fuller, District Secretary
Dina Nguyen	
Natalie Meeks	
Stephen Sheldon (arrived @ 5:35 p.m.)	
Van Tran	
Erik Weigand	
Bruce Whitaker	
Roger Yoh	

#### **VISITOR PARTICIPATION**

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

#### **CONSENT CALENDAR**

The Consent Calendar was approved upon motion by Director Meeks, seconded by Director Amezcuia and carried [9-0] as follows,

Ayes: Amezcuia, Bilodeau, Green, Meeks, Nguyen, Tran, Weigand, Whitaker, Yoh

Absent: Sheldon

##### **1. Approval of Cash Disbursements**

**MOTION NO. 24-77  
APPROVING CASH DISBURSEMENTS**

Payment of bills for the period of August 1, 2024 through August 14, 2024 in the total amount of \$17,154,107.16 is ratified and approved.

##### **2. Minutes of Board of Directors Meetings held July 17 and August 7, 2024**

**MOTION NO. 24-78  
APPROVING MINUTES OF BOARD OF DIRECTORS MEETINGS**

The Minutes of the Board of Directors meetings held July 17 and August 7, 2024 are hereby approved as presented.

3. Ratification of Job Classification and Salary Range Adjustment

MOTION NO. 24-79

APPROVING RATIFICATION OF JOB CLASSIFICATION AND SALARY RANGE ADJUSTMENT

Renaming and modifying the existing LIMS-QA/QC Administrator job classification to a LIMS Administrator job classification at salary grade R-19 is hereby approved.

ITEMS RECOMMENDED FOR APPROVAL AT COMMUNICATIONS AND LEGISLATIVE LIAISON COMMITTEE MEETING HELD AUGUST 8

4. State Legislative Update

RESOLUTION NO. 24-8-93  
ADOPTING POSITIONS ON STATE LEGISLATION

RESOLVED, that the following positions on legislation are hereby adopted.

Bill Number/Short Title/Author	Position Recommendation:
SB 1255 (Durazo, D- Los Angeles) Public water systems: needs analysis: water rate assistance program	Oppose Unless Amended

5. Federal Legislative Update

RESOLUTION NO. 24-8-94  
ADOPTING POSITIONS ON FEDERAL LEGISLATION

RESOLVED, that the following positions on legislation are hereby adopted.

Bill Number/Author	Position Recommendation:
S. 4673 Senator Kyrsten Sinema (I-AZ) and Senator John Cornyn (R-TX) Special District Grant Accessibility Act	Support
No bill number yet/ Senator Alex Padilla (D-CA) Improving Atmospheric River Forecasts Act	Support

6. State Legislative Advocacy Services

RESOLUTION NO. 24-8-95  
APPROVING RENEWAL OF CONTRACTS FOR STATE LEGISLATIVE ADVOCACY SERVICES

RESOLVED, that renewal of the following agreements are hereby approved for state legislative advocacy services, and, upon approval as to form by District General Counsel, execution of such agreements by the District officers is authorized:

- 1) Edelstein Gilbert Robson and Smith for an amount not to exceed \$8,000 per month for state legislative advocacy services from August 2024 through August 2026; and

2) Joe A. Gonsalves and Son for an amount not to exceed \$8,000 per month for state legislative advocacy services from August 2024 through August 2026.

7. Federal Legislative Advocacy Services

RESOLUTION NO. 24-8-96  
APPROVING RENEWAL OF CONTRACTS FOR  
FEDERAL LEGISLATIVE ADVOCACY SERVICES

RESOLVED, that renewal of an agreement for federal legislative advocacy services to ENS Resources is hereby authorized for an amount not to exceed \$8,000 per month from August 2024 through August 2026, and, upon approval as to form by District General Counsel, execution of such agreements by the District officers is authorized.

ITEMS RECOMMENDED FOR APPROVAL AT WATER ISSUES COMMITTEE MEETING HELD AUGUST 14

8. Amendment to Agreement with Aqueous Vets for Pressure Vessel Systems Piping Modification

RESOLUTION NO. 24-8-97  
APPROVING AMENDMENT TO AGREEMENT WITH AQUEOUS VETS FOR PFAS TREATMENT  
PRESSURE VESSEL SYSTEMS TUBING MODIFICATION

WHEREAS, pursuant to Resolution No. 20-5-56 adopted May 6, 2020, as subsequently amended, OCWD authorized issuance of Agreement No. 1422 to Aqueous Vets for the purchase of PFAS treatment pressure vessel systems; and

WHEREAS, the Water Issues Committee of this Board has recommended issuance of Amendment No. 8 to such Agreement with Aqueous Vets for an amount not to exceed 11,496 to include interconnecting piping modifications at each of the vessels in the train at the City of Orange Well 28 site;

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby approve issuance of Amendment No. 8 to Agreement No. 1422 with Aqueous Vets as outlined herein; and, upon approval as to form by District General Counsel, its execution by the District officers is authorized.

9. Agreement to Separation Processes Inc. for Technical Support on the GWRS Microfiltration and Reverse Osmosis Operations (MF/RO)

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RESOLUTION NO. 24-8-98  
AUTHORIZING ISSUANCE OF AGREEMENT TO SEPARATION PROCESSES FOR  
CONSULTING SERVICES FOR GWRS MF/RO MEMBRANE PROCESSES

RESOLVED, that issuance of an Agreement is authorized to Separation Processes Inc. for an amount not to exceed \$125,000 to provide consulting services on a time and material basis for the GWRS microfiltration/reverse osmosis (MF/RO) membrane processes through August 31, 2025; and upon approval as to form by District General Counsel, its execution by the District officers is authorized.

10. Renewal of Annual Software Support for GWRS Process Control System

RESOLUTION NO. 24-8-99

APPROVING AGREEMENT WITH CALTROL (EMERSON'S LIMITED BUSINESS PARTNER) FOR  
ANNUAL SOFTWARE SUPPORT FOR  
GWRS PROCESS CONTROL SYSTEM

RESOLVED, that issuance of an Agreement is authorized to Caltrol (Emerson's Limited business Partner) in the amount of \$390,281 for annual software support for the GWRS Process Control System with a total for first year of \$78,933.

11. Professional Services Agreement with Rovisys to Perform a Comprehensive Cybersecurity Assessment of the Field Headquarters Supervisory Control and Data Acquisition System

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RESOLUTION NO. 24-8-100

APPROVING AGREEMENT WITH ROVISYS TO PERFORM A COMPREHENSIVE  
CYBERSECURITY ASSESSMENT OF THE FIELD HEADQUARTERS SUPERVISORY CONTROL  
AND DATA ACQUISITION SYSTEM

RESOLVED, that issuance of an Agreement is authorized to Rovisys for an amount not-to-exceed \$47,218.00 to provide OT network infrastructures compliance with AWWA (American Water Works Association) standards compliance against Cyber threats.

12. Purchase Order to Promochrom Technologies Ltd for Two Spe-03 Units for the Philip L. Anthony Water Quality Laboratory

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RESOLUTION NO. 24-8-101

APPROVING PURCHASE ORDER TO PROMOCHROM TECHNOLOGIES LTD FOR TWO SPE-03  
UNITS FOR THE PHILIP L. ANTHONY WATER QUALITY LABORATORY

RESOLVED, that issuance of a Purchase Order is authorized to PromoChrom Technologies, Ltd. in the total amount of \$89,997 for the purchase of two SPE-03 Solid Phase Extractors.

13. Contract No. EOCWD-2021-1: Authorize Notice of Completion, Ratify Change Orders, and Authorize Transfer

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RESOLUTION NO. 24-8-102

ACCEPTING COMPLETION OF CONTRACT EOCWD-2021-1: EOCWD PFAS WATER  
TREATMENT PLANT

WHEREAS, the District staff has reported that Pascal & Ludwig has completed work under Contract No. EOCWD-2021-1: EOCWD PFAS Water Treatment Plant for Construction of the East Orange County Water District (EOCWD) PFAS Water Treatment Plant; and

WHEREAS, District staff has advised of issuance of Change Orders Nos. 19-21 for a total amount of \$69,104; and

WHEREAS, the Water Issues Committee of this Board has recommended that the District accept completion of said work and that a Notice of Completion be filed for recordation and the balance of payment be made, pursuant to the terms and conditions of such contract;

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

Section 1: Issuance of Change Orders Nos. 19-21 to such Contract is hereby ratified.

Section 2: Work under such Contract is accepted as complete, and the District staff is authorized and directed to execute a Notice of Completion and record said Notice in the Office of the County Recorder.

Section 3: General Manager is authorized to transfer the EOCWD PFAS Water Treatment Plant to East Orange County Water District effective the date of filing the Notice of Completion and quitclaim any property rights obtained for the project.

14. Contract No. SA-2021-1: Authorize Notice of Completion, Ratify Change Orders and Authorize Transfer

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RESOLUTION NO. 24-8-103

ACCEPTING COMPLETION OF CONTRACT SA-2021-1: CITY OF SANTA ANA PFAS WATER TREATMENT PLANT WELL NO. 40

WHEREAS, the District staff has reported that Pacific Hydrotech has completed work under Contract No. SA-2021-1: for construction of City of Santa Ana PFAS Water Treatment Plant Well No. 40; and

WHEREAS, District staff has advised of issuance of Change Orders Nos. 1-2 for a total amount of \$191,394 and an increase of the overall project budget to \$5,844,342; and

WHEREAS, the Water Issues Committee of this Board has recommended that the District accept completion of said work and that a Notice of Completion be filed for recordation and the balance of payment be made, pursuant to the terms and conditions of such contract;

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

Section 1: Issuance of Change Orders Nos. 1-2 to such Contract is hereby ratified.

Section 2: Increase of overall project budget to \$5,844,342 is hereby ratified/approved.

Section 3: Work under such Contract is accepted as complete, and the District staff is authorized and directed to execute a Notice of Completion and record said Notice in the Office of the County Recorder.

Section 4: General Manager is authorized to transfer the City of Santa Ana PFAS Water Treatment Plant Well No. 40 to the City of Santa Ana effective the date of filing the Notice of Completion and quitclaim any property rights obtained for the project.

ITEMS RECOMMENDED FOR APPROVAL AT ADMINISTRATION FINANCE COMMITTEE MEETING HELD AUGUST 15

15. Monthly Cash Control Report

MOTION NO. 24-80

RECEIVING AND FILING THE MONTHLY CASH CONTROL REPORTS

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

16. Investment Portfolio Holdings Reports

MOTION NO. 24-81

RECEIVING AND FILING INVESTMENT PORTFOLIO HOLDINGS REPORTS

The Investment Portfolio Holdings Reports dated July 31, 2024 are hereby received and filed.

17. Agreement to Nieves Landscape, Inc. for Landscape Maintenance Services at Warner Basin and Santiago Bike Trail

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RESOLUTION NO. 24-8-104

APPROVING AGREEMENT WITH NIEVES LANDSCAPE, INC. FOR LANDSCAPE MAINTENANCE SERVICES AT WARNER BASIN FRONTAGE AND ALONG THE SANTIAGO BASIN BIKE TRAIL

RESOLVED, that issuance of an agreement with Nieves Landscape, Inc is authorized for a three-year term with an option to extend for an additional one year with General Manager approval for a total amount not to exceed \$432,740 for landscape maintenance services at Warner Basin frontage and along the Santiago Basin bike trail.

18. Ultraviolet Light (UV) Equipment Supply

RESOLUTION NO. 24-8-105

AUTHORIZING PURCHASE ORDER TO TROJAN TECHNOLOGIES GROUP ULC FOR UV LAMPS

RESOLVED, that issuance of Purchase Order is authorized to Trojan Technologies Group ULC for the purchase of 1,080 UV lamps in the amount of \$265,259. including freight.

19. Amendment No.1 to Agreement with Lillestrand Leadership Consulting for Additional Staff Leadership Development

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RESOLUTION NO. 24-8-106

APPROVING AMENDMENT TO AGREEMENT WITH LILLESTRAND LEADERSHIP CONSULTING FOR ADDITIONAL STAFF LEADERSHIP DEVELOPMENT

RESOLVED, that issuance of an amendment to Agreement No. 1611 with Lillestrand Leadership Consulting is authorized for an amount not to exceed \$8,100 to incorporate one additional employee to join the recently approved FY24-25 program.

20. Water Emergency Response Organization of Orange County (WEROC) Funding Budget for 2024-25

MOTION NO. 24-82

APPROVING 2024-25 WEROC BUDGET AND AUTHORIZING PAYMENT OF OCWD'S SHARE

Approve the 2024-25 WEROC budget in the amount of \$601,615 and authorize payment of OCWD's share in the amount of \$150,404.

21. Actuarial Valuation of Retiree Medical Insurance Benefit Plan

MOTION NO. 24-83

RECEIVING AND FILING OCWD ACTUARIAL REPORT

The Orange County Water District actuarial report dated June 30, 2024, with a measurement date as of June 30, 2023, is hereby received and filed.

22. Proposed Audiovisual Replacements to the Boardroom, C2 and C3 Conference Rooms

MOTION NO. 24-84

DIRECTING STAFF TO DEVELOP AN RFP FOR AN AUDIOVISUAL CONTRACTOR TO REPLACE THE AUDIOVISUAL SYSTEMS IN THE BOARDROOM

Staff is hereby directed to develop a Request for Proposals (RFP) for an audiovisual contractor to replace the audiovisual systems in the Boardroom, to include the direct view LED (dvLED) video wall option, and in the C2 and C3 conference rooms.

INFORMATIONAL ITEMS

23. The Independent Special Districts of Orange County Call for Candidates

President Green stated that the Independent Special Districts of Orange County (ISDOC) is looking for candidates for the positions of President, First Vice President, Second Vice President, Third Vice President, Secretary, and Treasurer on the Executive Committee. She noted that the terms of office are for two years commencing January 1, 2025 and advised that if any Directors are interested, a letter of interest and a resolution authorizing candidacy must be submitted by September 13, 2024.

24. SAWPA Update

Director Whitaker provided an update on recent SAWPA activities.

21. Water Resources Summary

General Manager John Kennedy noted that the summary was contained in the packet.

22. 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.

August 08 - Communications and Legislative Committee  
August 14 - Water Issues Committee  
August 15- Administration and Finance Issues Committee

23. Verbal Reports

President Green reported that she attended the following events: ACWA Region 9 Workforce Development, California Data Collaborative Conference and Building Industry Association Water Conference. Director Whitaker noted he was attending the Urban Water Institute Conference. Mr. Kennedy noted he will attend the Sustain Southern California Water Conference at UC Irvine on August 22.

RECESS TO CLOSED SESSION

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

RECONVENE IN OPEN SESSION

The Board reconvened in Open Session whereupon General Counsel Jungreis advised in the case of *OCWD v. Sanmina Corp. (South Basin)*, the Board approved a settlement with Sanmina Corp. for 3.25 million dollars.

ADJOURNMENT

There being no further business to come before the Board, the meeting adjourned at 6:08 p.m.

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Christina Fuller, District Secretary

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Cathy Green, President

**MINUTES OF MEETING  
BOARD OF DIRECTORS, ORANGE COUNTY WATER DISTRICT  
September 4, 2024, 5:30 p.m.**

President Green called to order the September 4, 2024 regular meeting of the Orange County Water District Board of Directors at 5:30 p.m. Following the Pledge of Allegiance to the Flag, the District Secretary called the roll and reported a quorum as follows. Public access was also provided via Zoom webinar.

**Directors**

Valerie Amezcuia (absent)  
Denis Bilodeau  
Cathy Green  
Dina Nguyen  
Natalie Meeks  
Stephen Sheldon  
Van Tran  
Erik Weigand  
Bruce Whitaker  
Roger Yoh

**Staff**

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

**VISITOR PARTICIPATION**

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

**CONSENT CALENDAR**

The Consent Calendar was approved upon motion by Director Weigand, seconded by Director Whitaker and carried [9-0] as follows:

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

Absent: Amezcuia

**1. Approval of Cash Disbursements**

**MOTION NO. 24-85  
APPROVING CASH DISBURSEMENTS**

Payment of bills for the period of August 15, 2024 through August 28, 2024 in the total amount of \$19,504,569.26 is ratified and approved.

**ITEMS RECOMMENDED FOR APPROVAL AT PROPERTY MANAGEMENT COMMITTEE  
MEETING HELD AUGUST 23**

**2. Amendment to Pheasant Lease to Elaine Raahauge D.B.A. Mike Raahauge's Shooting Enterprises at  
Prado Basin for One-Year Extension**

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**RESOLUTION NO. 24-9-107**

**APPROVING AMENDMENT TO PHEASANT HUNTING LEASE WITH ELAINE RAAHAUGE DBA  
MIKE RAAHAUGE'S SHOOTING ENTERPRISES**

WHEREAS, pursuant to Resolution No. 05-11-126 adopted November 2, 2005, and subsequent amendments thereto, the OCWD Board authorized a Lease to Elaine Raahauge d.b.a. Mike Raahauge's Shooting Enterprises for continued use of certain District Prado lands for operation of a pheasant hunting concession, game bird raising, hunter safety classes, dog kennel operation, caretaker's trailer, and non-exclusive use of the clubhouse and roads; and

WHEREAS, the Property Management Committee of this Board has recommended approval of Amendment No. 20 to such Lease providing for a one-year extension of the Lease through September 30, 2025, with all other terms and conditions to remain the same;

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby approve the aforementioned Amendment No. 20 to the Lease with Elaine Raahauge d.b.a. Mike Raahauge's Shooting Enterprises as outlined herein; and, upon approval as to form by District General Counsel, its execution by the District officers is authorized.

3. Revised Policy Regarding Filming on District Property

RESOLUTION NO. 24-9-108  
ADOPTING REVISED POLICY FOR FILMING ON DISTRICT PROPERTY

WHEREAS, pursuant to Resolution No. 90-2-38 adopted February 21, 1990, as subsequently amended by Resolution Nos. 94-2-24, 99-2-23, and 11-9-26 adopted February 16, 1994, February 17, 1999, and September 7, 2011 respectively, the OCWD Board adopted a policy on filming on District Property; and

WHEREAS, the Property Management Committee has recommended amendment of such filming policy to provide clarification and align with best practices, as recommended by legal counsel;

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby adopt the following new policy setting forth the procedures for issuance of Licenses to film on District property:

OCWD POLICY FOR FILMING ON DISTRICT PROPERTY

1. Exempting media broadcasts or non-commercial photography film on publicly accessible property.
2. Revising the location fee to be the greater of the current District license fee of \$1,148 or \$250 per day for photography or \$500 per day for filming.
3. Clarifying the General Manager's authorization to recover from the licensee site preparation costs.
4. Clarifying the General Manager's authorization to waive fees for charitable, student, government or other reasons in the General Manager's discretion.
5. Clarifying the General Manager's authorization to grant, deny or condition licenses.
6. Attaching a form of the License Agreement to the policy.

4. Termination of the California Department of Transportation (Caltrans) Decertification of Property at Burris Basin

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MOTION NO. 24-86

DIRECTING STAFF TO TRANSMIT A LETTER TO CALTRANS TO CEASE WORK ON AND TERMINATE THE “DECERTIFICATION” PROCESS FOR THE 1.3 ACRES AT BURRIS BASIN

WHEREAS, The District leases a 15-acre portion of Burris Basin in Anaheim to NSM Golf, LLC, operating as The Islands Golf Center (The Islands), which includes 1.3 acres of land leased from California Department of Transportation (Caltrans) and subleased by the District to The Islands.

WHEREAS, Caltrans has been reviewing the land for “decertification” at the District’s request since 2018, however, they will only consider decertifying a portion of the land and are requiring an additional \$50,000 deposit to continue the process; and

WHEREAS, the Property Management Committee of this Board has recommended terminating the decertification process with Caltrans since Caltrans will not consider decertifying the entire 1.3 acres;

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby Direct staff to transmit a letter to Caltrans to cease work on and terminate the “decertification” process for the 1.3 acres at Burris Basin.

ITEMS RECOMMENDED FOR APPROVAL AT RETIREMENT COMMITTEE MEETING HELD AUGUST 27

5. Stable Value Fund Options

MOTION NO. 24-87

DIRECTING FIDELITY TO ACCEPT THE FIRST EMPOWER GIF WIRE OF 50% OF THE BALANCE INTO THE VANGUARD FEDERAL MONEY MARKET FUND

Fidelity is hereby directed to accept the first Empower GIF wire of 50% of the balance on 11/1/2024 into the Vanguard Federal Money Market Fund.

INFORMATIONAL ITEMS

6. Future of the Prado Wetlands Workshop

Executive Director Lisa Haney provided a workshop on the future of Prado Wetlands which focused on the historical context, current obligations, and strategic opportunities for assessing the future of the constructed wetlands portion of the Prado Basin. She advised that the workshop’s purpose is to initiate a planning process aimed at aligning the constructed wetlands’ future with changing OCWD and regional needs, operational realities, and strategic objective opportunities. Ms. Haney stated that staff will return to the Board at a later date with options moving forward.

7. SAWPA Update

Director Whitaker provided an update on recent SAWPA activities.

8. Committee/Conference/Meeting Reports

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

August 23 - Property Management Committee  
August 27 - Retirement Committee

9. Verbal Reports

General Manager John Kennedy stated that staff is working with the office of Assemblymember Cottie Petrie-Norris to arrange a GWRs tour. He noted staff will keep the Board updated.

ADJOURNMENT

There being no further business to come before the Board, the meeting adjourned at 6:30 p.m.

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Christina Fuller, District Secretary

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Cathy Green, President



## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 18, 2024

**To:** Board of Directors

**From:** John Kennedy

**Staff Contact:** L. Haney/A. Hutchinson

**Budgeted:** Yes

**Budgeted Amount:** \$125,000

**Cost Estimate:** \$125,000

**Funding Source:** General Fund

**Program/Line Item No.** 1044.53001

**General Counsel Approval:** N/A

**Engineers/Feasibility Report:** N/A

**CEQA Compliance:** N/A

**Subject:** **FIFTH AMENDED AGREEMENT WITH UNITED STATES ARMY CORPS OF ENGINEERS TO PROCESS DEVIATION REQUEST TO PRADO DAM WATER CONTROL PLAN FOR FORECAST INFORMED RESERVOIR OPERATIONS**

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### SUMMARY

In September 2021, OCWD submitted a request to the United States Army Corps of Engineers (USACE) to consider a minor deviation to the Prado Dam Water Control Plan (WCP) to capture stormwater up to elevation 508 feet over a 5-year term to test Forecast Informed Reservoir Operations (FIRO) at Prado Dam. Due to additional unforeseen time to develop a plan and to process the cultural review of areas subject to inundation, the USACE requires additional funding to pay for staff time to process the cultural review and complete the deviation package.

Attachment: Fifth Amended Cooperative Research and Development Agreement with United States Army Corps of Engineers (Appendix G)

### RECOMMENDATION

Authorize approval of the Fifth Amended Cooperative Research and Development Agreement (Appendix G) with the United States Army Corps of Engineers for the Review and Processing of Water Control Plan Deviation for Forecast Informed Reservoir Operations (FIRO) for Prado Dam, California subject to approval as to form and content by District's General Counsel, for an additional \$125,000 for a total amount not to exceed \$370,000.

### BACKGROUND/ANALYSIS

Stormwater represents a significant source of water used by OCWD to recharge the groundwater basin. Much of the stormwater recharged by OCWD is first captured in the Prado Dam Conservation Pool. Over the years, OCWD has worked closely with the United States Army Corps of Engineers (USACE) to increase the amount of water that can be temporarily impounded in the water conservation pool. The most recent increase occurred in April 2021, when the maximum elevation of the water conservation pool was raised to 505 feet mean sea level during the flood season. Elevation 505 feet is equivalent to approximately 20,000 acre-feet of storage.

## **Forecast-Informed Reservoir Operations (FIRO)**

OCWD has been studying the potential of using FIRO to further increase the amount of water that can be temporarily impounded in the water conservation pool without negatively impacting the primary flood risk management (FRM) purpose of the dam. FIRO is an innovative research and operations partnership that uses modern weather forecasting, runoff modeling, and watershed monitoring to help water managers selectively retain or release water from reservoirs in a manner that reflects current and forecasted conditions.

The Prado Dam FIRO Study is being led by a Steering Committee that includes representatives from OCWD, Scripps Institution of Oceanography, U.C. San Diego Center for Weather and Water Extremes (CW3E), USACE, Orange County Public Works (OCPW), National Oceanic and Atmospheric Administration (NOAA), Sonoma Water, California Department of Water Resources (DWR), and the U.S. Fish and Wildlife Service (USFWS).

In November 2023, the Steering Committee completed the Final Viability Assessment (FVA) that demonstrated that FIRO can be applied at Prado Dam without compromising its primary FRM purpose.

### **Deviation Request**

Based on the results of the FIRO studies, the Steering Committee requested the USACE to review and process a 5-year minor deviation from the Prado Dam WCP to test opportunities to increase stormwater capture using FIRO. The requested deviation is to increase the water conservation pool to elevation 508 feet. This change would provide an additional 5,905 acre-feet of potential storage above elevation 505 feet with a total storage of 25,374 acre-feet.

The OCWD Board approved submitting this deviation request to the USACE in September 2021.

### **USACE Agreement and Scope of Work**

In 2018, the Board approved an agreement with the USACE to reimburse the USACE for staff time and expenses to participate in the FIRO Study. This Cooperative Research and Development Agreement is with the United States Army Engineer Research and Development Center (ERDC) in Vicksburg Mississippi.

In September 2021, the OCWD Board approved amending this agreement to provide funding to reimburse USACE staff time to process the elevation 508 feet deviation request. The initial funding request was for \$95,000. After additional review of the tasks involved in processing the deviation, the USACE revised their estimate to \$215,000. After the work was started, it was recognized that significant additional cultural resources (Section 106) consultation work was required. To develop a plan of attack, an additional \$30,000 of funding was approved in June 2024. As of June 2024, the project budget is as shown in the table below.

**Table 1. Cost Estimate to Process Prado Dam FIRO Deviation Request**

Task	Activity	Cost
1	Water Control Deviation Coordination	\$68,000
2	Water Control Deviation Document Review & Package Development	\$41,000
3(a)	Inundation Frequency Analysis for EI 508	\$7,000
3(b)	Prepare Mapping	\$13,000
4 (a)	ERB Support / Coordinate w/ USFWS & BO	\$76,000
4 (b)	Section 106 consultation	\$18,000
5	Dam Safety Support / Prepare support documentation (MFR) concurring non-impact from raised watercon pool & coordinate with SPD and/or HQ Dam Safety	\$22,000
<b>LABOR COST TOTAL</b>		<b>\$245,000</b>

The work included in each task is described as follows:

#### **Task 1 – Water Control Manual Deviation Coordination**

General on-going coordination between OCWD team including their private consultants and the FIRO Team and internal USACE entities to include regularly scheduled meetings, unplanned meetings and responses to emails / phone calls. Preparation of scope of work / PMP and labor cost estimate for review and processing of the Deviation request. This task also includes Project Financial Reporting and Meeting Minute Development.

#### **Task 2 – Water Control Deviation Document Review and Package Development**

Development and review of the Water Control Manual Deviation package documents. Ensuring the 12 requirements in ER 1110-2-240 are evaluated and addressed. Route deviation request package for review and approval. This task also includes coordination up the USACE Vertical Chain on the Water Control Manual Deviation.

#### **Task 3a – Inundation Frequency Analysis for Elevation 508 FT**

Review of the elevation 508 ft (NGVD 29) inundation frequency analysis. Hydrologic Engineers will evaluate the inundation frequency developed by the OCWD team and ensure the analysis was done properly and that it is consistent with other recent USACE analyses that have been done for Prado Dam. Evaluate the potential flood threat with and without the proposed deviation.

### **Task 3b – Prepare Mapping**

The Hydrology and GIS Section will develop GIS maps associated with different frequency inundation elevations focusing on elevations 505 and 508 ft (NGVD 29).

### **Task 4a – Engineering Resources Branch (ERB) Support / Coordinate with USFWS on a Biological Opinion**

Review and processing of a Draft and Final Environmental Assessment, and Biological Assessment to be prepared by OCWD. Lead formal consultation with US Fish and Wildlife Service (USFWS) with assistance from OCWD, which may include additional engineering analysis to respond to USFWS questions. Review and negotiate terms of Draft and Final Biological Opinion. Assume that OCWD would conduct a cultural resources records search of the area between elevation 505 ft and 508 ft. Document compliance with other applicable laws and regulations. Work with OCWD to review and respond to comments from the public as well as any legal counsel comments.

### **Task 4b – Section 106 Consultation**

Review, processing and coordination with regulators regarding the Cultural Survey Report CEQA document that will be developed by OCWD. Perform reconnaissance surveys of areas most likely to contain sites, prepare site records and a cultural resources report for USACE review and 106 consultation. Work with OCWD to review and respond to comments from the public as well as any legal counsel comments.

### **Task 5 – Dam Safety Support**

Dam Safety review of the deviation request package and verification and concurrence that the USACE Dam Safety Requirements are acceptable. Preparation and evaluation of the support documentation (MFR) concurring non-impact from raised water conservation pool. This task includes internal briefings and coordination with the SPL Dam Safety Officer, SPD/HQ Dam Safety and other Sr. USACE officials to get their concurrence on a Dam Safety non-impact.

### **Additional Funding Request**

The scope of the Cultural Survey (Task 4b) was significantly underestimated by the USACE. In prior deviations, earlier cultural resources reviews were adequate; however, with the increase of the water conservation pool to 508 feet, a new area of inundation was created that requires a new cultural resources review. The need for a new cultural resources review was discovered in late 2023 but progress could not be made until the water retained behind Prado Dam drained to lower levels to expose cultural resource sites.

On May 9, 2024, a survey of accessible cultural resources sites was made at Prado Dam. This review showed that there were at least two historic sites and multiple other sites that could not be located either because they are buried under sediment or within areas of dense vegetation. Given that there were two historic sites additional

work efforts were needed by the USACE in order to conduct the required formal Section 106 consultation. A formal Section 106 consultation is a well-established process that includes many steps such as consulting with tribes and the State Historic Preservation Office (SHPO). USACE staff have worked diligently to identify a process that would expedite approval by showing that these sites are buried under sediment and would be better left in place and not disturbed. USACE staff have had preliminary discussions with the tribes, and they concur that leaving the sites in place is an appropriate course of action.

To proceed and complete the Section 106 consultation and the deviation request, the USACE is requesting supplemental funding to cover the additional time required to coordinate the overall effort (Task 1) and to conduct the Section 106 consultation (Task 4b).

### **Task 1 – Water Control Manual Deviation Coordination (\$43,000)**

This task consists of general on-going coordination between the Orange County Water District (OCWD) team, including their private consultants, the USACE FIRO team and internal USACE entities, to include weekly meetings, unplanned meetings, responses to emails/phone calls and project financial reporting.

### **Task 2 – Section 106 Consultation Step 1 (\$82,000)**

This task includes a GIS analysis to demonstrate levels of sedimentation at locations of identified cultural resources (sites) via a Change Detection Analysis (demonstrates sedimentation build up over time). Additionally, a Site Preservation Model (possibly demonstrating that environmental factors may be ideal for preservation) along with an optional third Site Location Predictive Model (demonstrate additional sites are not likely within the Area of Potential Effect (APE)) are proposed. GIS analyses and modeling will be used to support an argument that traditional archaeological field methods are unrealistic based on sedimentation and potential negative impacts to existing sites resulting from traditional archaeological field methods (trenching, shovel test pits, etc.), that existing conditions and water conservation may be favorable for preserving sites, and that there is a low probability of additional cultural resources sites being located within the APE. If completion of Step 1 is sufficient and Section 106 consultation is completed, the Environmental Assessment (EA), updated with the latest cultural information, will be finalized. The Deviation Request package will be assembled and routed to SPD for approval. If Step 1 is not sufficient to address remaining cultural impact concerns, and/or greater mitigation efforts will be required, a decision will be made regarding any additional future steps that will be needed to obtain the FIRO Deviation (e.g., Steps 2, 3). Pending an unsuccessful outcome to address all cultural impact concerns with Step 1, there is also a potential to discontinue pursuit of the FIRO Deviation and to redirect team focus to environmental and cultural impacts for the WCP to be contained in WCM Update #2, that looks at higher water conservation/buffer pool elevations, potentially going up to elevation 512. Otherwise, if Steps 2A, 2B, and 3 are required, an additional funding request will be submitted.

An updated cost estimate is presented in Table 2.

**Table 2: Updated Cost Estimate to Process Prado Dam FIRO Deviation Request**

Task	Activity	Cost
1	Water Control Deviation Coordination	\$68,000
1(a)	Additional Water Control Deviation Coordination	\$43,000
2	Water Control Deviation Document Review & Package Development	\$41,000
3(a)	Inundation Frequency Analysis for EI 508	\$7,000
3(b)	Prepare Mapping	\$13,000
4 (a)	ERB Support / Coordinate w/ USFWS & BO	\$76,000
4 (b)	Section 106 consultation	\$18,000
4 (c)	Additional Section 106 consultation	\$82,000
5	Dam Safety Support / Prepare support documentation (MFR) concurring non-impact from raised watercon pool & coordinate with SPD and/or HQ Dam Safety	\$22,000
<b>LABOR COST TOTAL</b>		<b>\$370,000</b>

### PRIOR RELEVANT BOARD ACTION(S)

6/19/2024, R24-6-65. Authorize approval of the Fourth Amended Cooperative Research and Development Agreement (Appendix F) with the United States Army Corps of Engineers for the Review and Processing of Water Control Plan Deviation for Forecast Informed Reservoir Operations (FIRO) for Prado Dam, California subject to approval as to form and content by District's General Counsel, for an additional \$30,000 for a total amount not to exceed \$245,000.

3/15/23, R23-3-29 - Authorize approval of Third Amended Cooperative Research and Development Agreement with the United States Army Corps of Engineers for Forecast Informed Reservoir Operations Study that provides a no-cost schedule extension to March 31, 2027.

3/16/22, R22-3-24 – Authorize approval of the Second Amended Cooperative Research and Development Agreement with the United States Army Corps of Engineers for the Forecast Informed Reservoir Operations Study subject to approval as to form and content by District's General Counsel, for an additional \$120,000 for a total amount not to exceed \$215,000 to fund Army Corps staff time in reviewing and processing the deviation and Authorize approval of agreement with Q3 Consulting to perform hydrologic modeling to support the Corps evaluation of the deviation at Prado Dam for an amount not to exceed \$35,280.

9/15/21, R21-9-131 – Authorize General Manager to request that the United States Army Corps of Engineers review and process a proposed deviation to the Prado Dam Water Control Plan and authorize Amended Cooperative Research and Development Agreement with the United States Army Corps of Engineers for the Forecast Informed Reservoir Operations Study for an amount not to exceed \$95,000.

1/17/18, R18-1-5 – Authorize execution of an agreement with the United States Army Corps of Engineers for the Forecast Informed Reservoir Operations study for an amount not to exceed \$45,000.

**APPENDIX G**  
**COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENT**  
**BETWEEN**  
**UNITED STATES ARMY ENGINEER RESEARCH AND DEVELOPMENT CENTER**  
**COASTAL AND HYDRAULICS LABORATORY**  
**AND**  
**ORANGE COUNTY WATER DISTRICT**

Pursuant to Article 8.7, Amendments and Modifications, the Parties agree to amend this Cooperative Research and Development Agreement, originally signed May 18, 2018, extended for an additional four years on March 17, 2023 and current expiration date of March 31, 2027 is hereby amended.

1. In accordance with Article 2.2 of this CRADA, this Work Statement defines a particular research activity (consistent with the scope and obligations set forth in Appendix A) to be conducted. This Work Statement will be incorporated into this CRADA as Appendix G.
2. Except as amended herein all terms and conditions of the original AGREEMENT, remain in full force and effect unless completed.

IN WITNESS WHEREOF, the PARTIES have caused this CRADA amendment to be executed by their duly authorized representatives as follows:

**For THE ORANGE COUNTY WATER DISTRICT:**

\_\_\_\_\_  
CATHY GREEN  
PRESIDENT

Date: \_\_\_\_\_

\_\_\_\_\_  
JOHN KENNEDY,  
GENERAL MANAGER

Date: \_\_\_\_\_

**For THE U.S. ARMY ERDC-CHL:**

\_\_\_\_\_  
TY V. WAMSLEY, PhD, PE, SES  
DIRECTOR

Date: \_\_\_\_\_

**APPENDIX G**  
**STATEMENT OF WORK**  
**FOR**

**1.0. TITLE:** Review and Processing of Water Control Plan Deviation for Forecast Informed Reservoir Operations (FIRO) for Prado Dam, California

**2.0. BACKGROUND.** The Forecast Informed Reservoir Operations (FIRO) program within the US Army Corps of Engineers (USACE) is investigating the incorporation of improved weather forecast capability into the operation of USACE reservoirs to find a better balance between the competing objectives of flood risk management, water supply and ecological benefits. A recently completed viability assessment has shown that FIRO is viable at Prado Dam and a Water Control Manual (WCM) update is underway to incorporate FIRO into the Water Control Plan (WCP). While this update is underway, a deviation to the existing WCP is desired to allow the benefits of FIRO to be realized while the permanent WCM update is executed.

**3.0. PROJECT OBJECTIVE.** This CRADA will facilitate the involvement of the US Army Engineer Research and Development Center Coastal and Hydraulics Laboratory (ERDC-CHL) and the Los Angeles District (SPL), South Pacific Division (SPD), USACE in assessing a requested deviation to the Prado Dam WCP for FIRO.

**4.0. TECHNICAL MANAGERS**

**OCWD**

Lisa Haney  
PO Box 8300  
Fountain Valley, CA 92728-8300  
(714) 378-3275  
lhaney@ocwd.com

**ERDC**

Cary A. Talbot  
CEERD-HTZ  
3909 Halls Ferry Road  
Vicksburg, MS 39180  
(601) 634-2625  
Cary.A.Talbot@usace.army.mil

**5.0. ERDC TASKS, SCHEDULE, and COST ESTIMATE.** This Appendix details the tasks required for Step 1 of a Cultural Resource Evaluation and USACE participation in processing a Deviation Request, including ERDC-CHL, to allow opportunity of increased water conservation capture at Prado Dam, while water management decision support tools are being tested. The estimated costs to complete Step 1 of the Cultural Resource Evaluation and environmental impacts associated with a higher water conservation buffer pool as permitted under the requested deviation is \$125,000. The tasks to be conducted by USACE include the following:

**Task 1 – Water Control Manual Deviation Coordination (\$43,000)**

This task consists of general on-going coordination between the Orange County Water District (OCWD) team, including their private consultants, the USACE FIRO team and internal USACE entities, to include weekly meetings, unplanned meetings, responses to emails/phone calls and project financial reporting.

**Task 2 – Section 106 Consultation Step 1 (\$82,000)**

This task includes a GIS analysis to demonstrate levels of sedimentation at locations of identified cultural resources (sites) via a Change Detection Analysis (demonstrates sedimentation build up over time). Additionally, a Site Preservation Model (possibly demonstrating that environmental factors may be ideal for preservation) along with an optional third Site Location Predictive Model (demonstrate additional sites are not likely within the Area of Potential Effect (APE)) are proposed. GIS analyses and modeling will be used to support an argument that traditional archaeological field methods are unrealistic based on sedimentation and potential negative impacts to existing sites resulting from traditional archaeological field methods (trenching, shovel test pits, etc.), that existing conditions and water conservation may be favorable for preserving sites, and that there is a low probability of additional cultural resources sites being located within the APE. If completion of Step 1 is sufficient and Section 106 consultation is completed, the Environmental Assessment (EA), updated with the latest cultural information, will be finalized. The Deviation Request package will be assembled and routed to SPD for approval. If Step 1 is not sufficient to address remaining cultural impact concerns, and/or greater mitigation efforts will be required, a decision will be made regarding any additional future steps that will be needed to obtain the FIRO Deviation (e.g., Steps 2, 3). Pending an unsuccessful outcome to address all cultural impact concerns with Step 1, there is also a potential to discontinue pursuit of the FIRO Deviation and to redirect team focus to environmental and cultural impacts for the WCP to be contained in WCM Update #2, that looks at higher water conservation/buffer pool elevations, potentially going up to elevation 512. Otherwise, if Steps 2A, 2B, and 3 are required, an additional funding request will be submitted.

**6.0. OCWD TASKS.** OCWD will provide funds to ERDC-CHL for support of reviewing and processing the requested deviation. OCWD will also provide technical assistance to ERDC-CHL for the requested deviation, including data collection and environmental analysis. OCWD will provide support with outreach to stakeholders in the Santa Ana River Watershed and the State of California. OCWD will also collaborate with ERDC-CHL regarding coordination with other stakeholders in the USACE and other federal agencies.

**7.0. ESTIMATED CONTRIBUTIONS.** In accordance with DOD policy, DOD is requesting that both the federal and non-federal CRADA partners report an estimate of their contributions to the CRADA, both financial and non-financial. Non-financial contributions are defined as: All non-monetary resources devoted to the execution of the subject agreement (e.g. labor, test facility usage, etc.). Information will not be reported by individual organizations, but included in totals for the laboratory-wide annual upward reports.

7.1. ERDC-CHL: Financial - \$0 Non-financial in-kind - \$15,000

7.2. OCWD: Financial: \$125,000 Non-financial: \$10,000



Backup materials for Committee items are available in the Committee packet.  
Materials distributed at Committee meetings are attached hereto

## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 5, 2024

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

**From:** John Kennedy

**Staff Contacts:** G. Ayala/D. Berch

**Budgeted:** Yes

**Budgeted Amount:** \$265,000

**Cost Estimate:** \$195,500

**Funding Source:** 1012.51112

**Program/Line Item No.:** 1206

**General Counsel Approval:** N/A

**Engineers/Feasibility Report:** N/A

**CEQA Compliance:** N/A

**Subject:** CHILDREN'S WATER EDUCATION FESTIVAL LOCATION AND CONTRACT APPROVAL

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### SUMMARY

The 28<sup>th</sup> annual Children's Water Education Festival (Festival) planning is underway for 2025. Staff will provide a recommendation on the 2025 location, event services, and date.

### RECOMMENDATION

#### RECOMMENDED BY COMMITTEE

Agendize for September 18 Board meeting: Authorize staff to execute an agreement with James Events Productions to host the 2025 Festival at Oak Canyon Park in Orange on April 23-24 and to provide rentals, event planning, and logistical support and services for the 2025 Festival for a combined total amount not to exceed \$195,500.

Attachment: 2025 CWEF James Events Contract

### DISCUSSION/ANALYSIS

The Children's Water Education Festival is an annual, successful program started in 1997 to educate Orange County's youngest stakeholders about the importance of water. Since inception, more than 152,000 students have experienced the Festival and all it has to offer. The free event is open to third, fourth and fifth grade classes in Orange County, Calif.

The entire cost of the Children's Water Education Festival is budgeted and is contained in OCWD's approved FY 2024-25 budget. The venue and rental contracts are the event's two largest expenses. Sponsorships, donations and grants offset the District's cost.

For the 2025 Festival, staff conducted a thorough evaluation of over 60 potential venues, with three locations meeting most of the event needs and willing to host the

event. The three locations are Oak Canyon Park, UC Irvine (UCI), and the Huntington Beach Sports Complex (HBSC). Staff recommends Oak Canyon Park in Orange, CA as the preferred event location. While UC Irvine has traditionally been hosted the event, several significant challenges have arisen for the 2025 Festival that impact its feasibility. The Huntington Beach Sports Complex also met many event needs but did not have enough parking for Festival attendees. More information regarding the three locations is detailed below.

### **Oak Canyon**

Oak Canyon Park, located by Irvine Lake, is the most viable and cost-effective location for the 2025 Festival. The facilities at Oak Canyon offer ample space (17 acres), privacy, safety, parking accommodations, and their team offers an understanding of the Festival that will ensure its success.

Oak Canyon Park is owned and operated by James Events, who have provided all-inclusive event rentals and services to the Festival for over 20 years. James Events previously hosted the Festival at another of their locations, Hidden Valley in Irvine. This location successfully held the Festival for several years, until the size of the event outgrew the space. James Events staff have a strong understanding of the Festival and its unique needs, always providing a smooth and seamless event.

Oak Canyon has the space to host 7,500+ students and 1,600+ teachers, presenters, and volunteers in a beautiful park setting with convenient and ample parking. The James Events cost includes facility needs, such as the outdoor event space, multiple parking lots, staffing, and maintenance costs. The cost also encompasses event service needs, including rentals (tents, tables, chairs, golf carts, AV, generators, etc.), portable restrooms, security and first aid services, logistical support and coordination throughout the year-long planning effort, and onsite event staff during the weeklong set-up, teardown, and event days.

The available date at Oak Canyon with the least amount of school conflicts is April 23-24, 2025.

### **UC Irvine**

The estimated costs associated with hosting the event at UC Irvine in 2025 are projected to nearly exhaust the total budget allocated for the Festival. This financial strain makes it challenging to proceed with UCI as the 2025 venue. It is necessary to have additional funds for the success of the event. Director Weigand and staff have met with UCI Vice Chancellors Alberto Sandoval and Shoba Spencer to address this issue. Although they are supportive of the event and are hopeful that various departments will sponsor Festival, the funds are not guaranteed, and the amount of funding needed is significant.

Additionally, UCI has mandated Sexual Abuse and Molestation (SAMs) insurance coverage for OCWD and all participating organizations. This coverage is expected to

cost OCWD up to an additional \$20,000, as estimated by our insurance provider. The cost to other organizations will be determined by their provider. This additional financial burden would be an unreasonable ask of organizations volunteering their time at the Festival and the cost may exclude them from participating.

### **Huntington Beach Sports Complex**

The parking availability of HBSC is insufficient for the needs of the Festival. Considerations to utilize parking at the nearby Huntington Beach Library were explored, but the parking lot is not available for rental as it must be open to the public during operating hours.

### **Price Breakdown by Location:**

<b>Location</b>	<b>Location Cost</b>	<b>Event Services</b>	<b>Total</b>
<b>HBSC</b> (confirmed event estimate + anticipated parking cost) <i>*Not viable due to insufficient parking</i>	\$30,000	\$159,500	\$189,500
<b>Oak Canyon</b> <i>*Recommended location</i>	\$36,000	\$159,500	\$195,500
<b>UCI</b> (estimate + anticipated increases + insurance) <i>*Not viable due to cost and insurance requirements</i>	\$123,250	\$132,200	\$255,450

### **PRIOR RELEVANT BOARD ACTION(S)** Annual



*a full service event production company*

July 31, 2024

Dani Berch  
ORANGE COUNTY WATER DISTRICT  
18700 Ward St.  
Fountain Valley, CA 92728  
714-378-3202 office

DATE: March or April 2025  
TIME: 7:00 am – 4:00 pm each day  
SET-UP TIME: Tents will begin setting up on Sunday @ 6am.  
Presenters can move into booths Tuesday after 12pm.  
LOCATION: Oak Canyon Park  
CONTACT: Dani Berch  
JOB#: -DS

**\*CONTRACT MUST BE FINALIZED AND A SIGNED COPY RECEIVED IN OUR OFFICE AT LEAST 10 BUSINESS DAYS PRIOR TO YOUR EVENT TO ENSURE ALL ITEMS ARE AVAILABLE. YOU MAY EITHER MAIL OR FAX TO OUR OFFICE. FAX NUMBER: (714) 563-9164.**

office 714.563.9778  
fax 714.563.9164

1116 North Olive Street  
Anaheim, CA 92801

jamesevents.com

## **PROPOSED EQUIPMENT AND ATTRACTION RENTAL CONTRACT**

JAMES EVENT PRODUCTIONS, INC. 1116 N. Olive St., Anaheim, CA 92801 (hereinafter referred to as "Producer") and **ORANGE COUNTY WATER DISTRICT** (hereinafter referred to as "Client") hereby enter into this contract for Producer to rent equipment attractions as described below to Client.

**DATE:** March or April 2025  
**TIME:** 7:00 am – 4:00 pm each day  
**SET-UP TIME:** Tents will begin setting up on Sunday @ 6am.  
**LOCATION:** Oak Canyon Park  
**JOB#:** -DS

### *James Event Productions to provide:*

#### OAK CANYON FACILITY &

5 Day Rental

#### PARKING

Includes all lots identified  
Grading of the weeds  
Organization of cones for identifying route  
Parking staff **Client to provide 5 each event day.**  
Directional Signage with arrows if needed.

#### ORGANIZATION

All Electrical Needs & Generators for presenters  
32 Porto Potties (3 Handicap/2 in Parking Lot)  
15 Gallons of Hand Sanitizer  
4 Water Hoses & 3 Connectors  
1 JP Booth – Information w/banner - Blue  
1 JP Booth – First Aid w/banner - Red  
5 JP Canopies (Check In Area) - Blue  
1 JP Canopies (Volunteer Check In) - Blue  
1 JP Canopies (Bus Driver area) – White  
2 10'x10' JP Canopies for Extra  
Bases for all Canopies  
16 Red Flags w/Stands for Trash Stations  
6 Flat Carts for Vendor Move In

#### GOLF CART RENTALS

2 Four Passenger Carts;3 Flatbed Carts

#### MAINTENANCE & TRASH MANAGEMENT

Full maintenance & Supplies included in rental.

#### AV EQUIPMENT

6- PA Systems w/music and Mics for tents  
Bell system with speakers and attendant  
AV needs to be finalized closer to event.

#### RENTALS

Includes estimated additional rentals based on new location.

- 1- 40'x70' Maxi Canopy
- 1 15'x40' Disney Storage with slider on one end (no tables)
- 1 40'x40' Maxi Canopies
- 1-40'x50'Maxi
- 52- 20' x 20' Canopies
- 6 40'x40' Canopies
- 3 40"x60' Canopies
- 3- 20'x40' Canopies
- 1 20,x20' OCWD Storage
- 1-15'x15' Volunteer Tent
- 225' 10' high white wall
- 2,300 8' high white wall
- 310 - 8' Tables
- 3,700 Samsonite Chairs
- 310 White Resin Chairs
- 9 – 8'x8' Stages in
- Site Drawing/Layout/Design

#### Rain Plan (not included in price)

Sidewall for every tent add \$20,000.00 approx.

#### STAFFING

- Event Manager
- Electrical Technician
- 2 Support Staff
- EMT (8-3 each day)
- 2 Security Mon, Tues & Wed night (5pm-6am)
- 2 staff for OCWD's use Tues-Thurs 7am-4pm

1. Client will pay **\$195,500.00 including park rental and parking!** to Producer for the above described equipment or attraction rental.

2. Terms of Payment. **A deposit is required to hold the equipment. This deposit is non-refundable.** The balance of the contract amount is due and payable on the day of the event, prior to the commencement of the event. If payment is not made at that time, Producer reserves the right to remove the attraction or rental equipment at Producer's discretion.

3. Insurance. Producer will provide comprehensive general liability insurance and property damage in the total amount of Three Million Dollars (\$3,000,000.00). **Producer agrees to provide liability and property damage insurance in the amount of \$3,000,000.00 naming your organization as additionally insured, a certificate for which to be issued by Producer's insurance company, if requested by Client, prior to the date of equipment or attraction rental.** Client will provide Producer with a copy of comprehensive general liability insurance and property damage naming James Productions, Inc as additionally insured. Certificate to be provided prior to the event.

4. Indemnity. Client shall indemnify and hold harmless, Producer, its employees, executives and agents from and against any and all damages, liabilities, claims, costs, expenses, attorney's fees, etc. incurred by Producer directly or indirectly, in connection with the rental of the above named rental equipment and/or attraction or attractions. Any injuries, damages or losses must be reported by any person to Producer on the day of the Event and failure to report such injury, damage or loss in writing may result in a waiver of insurance coverage. In such event, Producer shall bear no responsibility for such injury or damage.

5. Condition of Rental Equipment. Producer agrees to deliver equipment for rental in a safe and fully operable condition. Client agrees that all of Producer's safety instructions will be followed and assumes full liability for any damage to equipment as a result of Client's or any of Client's guests or Client's employees', executives' or agents' failure to follow Producer's instructions concerning said equipment.

6. Cancellation. An event may be canceled or postponed by Client by notifying Producer in writing, provided that in the event of such cancellation or postponement, the following amounts shall be due from Client to Producer and shall be deducted from the deposit on hand or if insufficient, additional funds shall be paid by Client to Producer:

A. If a written cancellation is received more than 30 days prior to the date of the Rental, Producer shall return Client's deposit.

B. If the written cancellation is received within 30 days of the date of the rental, then producer shall retain the deposit as full compensation.

C. If the event is postponed more than 30 days, the deposit shall apply to the event at its new date and the balance due paid on that date.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement which is effective on the date and year when executed by Producer.

JAMES EVENT PRODUCTIONS, INC.

ORANGE COUNTY WATER DISTRICT



Backup materials for Committee items are available in the Committee packet.  
Materials distributed at Committee meetings are attached hereto

## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 11, 2024

**To:** Water Issues Committee  
Board of Directors

**From:** John Kennedy

**Staff Contact:** P. Versluis/J. Dadakis

**Budgeted:** Yes

**Budgeted Amount:** \$380,000

**Cost Estimate:** \$377,548

**Funding Source:** R&R

**Program/Line Item No.** R24001

**General Counsel Approval:** N/A

**Engineers/Feasibility Report:** N/A

**CEQA Compliance:** N/A

**Subject:** **REPLACEMENT OF WATER QUALITY WESTBAY VEHICLE T-97**

### SUMMARY

The Water Quality Department's current Westbay Vehicle (T-97) is a one-of-a-kind, specialized water quality sampling vehicle designed to collect samples from the District's extensive Westbay multi-port monitoring well network. The vehicle is approaching 25 years old with aging mechanical components and is becoming difficult to maintain due to the unavailability of spare parts. Due to the importance of continuing this specialized sampling process which allows for unique multi-depth monitoring at 56 locations across the groundwater basin, staff recommends replacing the Westbay Vehicle with a new custom-designed vehicle.

**Attachments:** Quotation from Farber Specialty Vehicles, Quotation from Runaso, and Quotation from LDV Custom Specialty Vehicles.

### RECOMMENDATION

#### RECOMMENDED BY COMMITTEE

Agendize for September 18 Board meeting: Authorize issuance of Purchase Order to LDV Custom Specialty Vehicles for \$347,546.00 (not including tax) for purchase and delivery of Mobile Water Sampling Lab Vehicle and authorize the payment of \$30,002 use tax for this vehicle purchase to the California Department of Tax and Fee Administration

### BACKGROUND/ANALYSIS

Westbay multi-port monitoring wells allow for depth-discrete water level measurement and sampling. They use a unique string of inflatable packers to isolate individual screened portions within a single vertical well casing. OCWD has installed and monitored 56 of the Westbay multiport monitoring wells throughout the groundwater basin since the late 1980s. The multi-level Westbay wells are the backbone of the District's basin-wide monitoring well network, comprising more than 550 depth-specific monitoring points at depths up to a depth of 2,100 feet. They have provided hydrogeologic information integral to the development and operation of the OCWD basin groundwater model, water level data for the annual basin storage/accumulated overdraft determination, and water quality data used to support the North Basin VOC plume delineation, former MCAS El Toro TCE and PFAS plume monitoring, seawater intrusion monitoring, basin wide PFAS characterization, and other water quality assessments.

The current Westbay Vehicle (T-97, Figure 1) was purchased in 1999 and manufactured by Dodgen to specifically meet the unique needs of this monitoring. The Westbay vehicle provides a specialized platform in which OCWD Water Quality staff can safely and effectively monitor more than 500 depth-discrete monitoring ports up to a depth of 2,100 feet. The current vehicle is equipped with a customized boom, electronic winch and cable system, and specialized sampling tool with stainless steel sample bottles which are used to collect water quality samples from the specialized Westbay packer and port system at these extreme depths. The vehicle was also designed with a deep cell battery system capable of powering necessary sampling equipment all day without running the vehicle or a generator.

**Figure 1 – Current T-97 Westbay Sampling Vehicle**



Knowing that replacement was necessary, funding for a new Westbay Vehicle was included in the District's approved FY24-25 Replacement & Refurbishment (R&R) budget. Water Quality and Purchasing staff contacted 12 specialty vehicle manufacturing companies to request quotes on providing a vehicle that meets the design criteria based upon the current Westbay vehicle configuration. Seven companies declined the opportunity to provide a quote while two companies (La Boit Specialty Vehicles Inc. and American Camper Shells) were unable to meet all the requested specifications. Three companies provided quotes meeting the vehicle specifications: Farber Specialty Vehicles, Runaso, and LDV Custom Specialty Vehicles (Table 1).

**Table 1: Responsive Vendor Quotes**

Vendor	Quote
Farber Specialty Vehicles	<b>\$514,732</b>
Runaso	<b>\$379,700</b>
LDV Custom Specialty Vehicles	<b>\$342,871</b>

Staff recommends purchasing the new Westbay Vehicle from LDV Custom Specialty Vehicles (Figure 2), as LDV's quote met the vehicle's unique required specifications at the lowest cost. Furthermore, LDV was also the only company to engineer a built-in boom system, a key component required to use the Westbay sampling system. LDV also provided high quality and detailed engineered drawings of the vehicle at no cost and communicated very effectively with District staff during the quotation process. The total purchase price of \$342,871 does not include tax and delivery.

**Figure 2 – Proposed Design from LDV Custom Specialty Vehicles (Outside)**



**PRIOR RELEVANT BOARD ACTION(S): N/A**

## Attachment A – Quote from Farber Specialty Vehicles


**CUSTOMER**

Agency: Orange County Water District  
 Contact Name: Marcus Villalobos  
 Address: 18700 Ward Street  
 Fountain Valley, CA 92708  
 Phone: 714.378.3261  
 Email: mvillalobos@ocwd.com

7052 Americana Parkway  
 Columbus Ohio, 43068  
 Toll Free (800) 331-3188  
 Fax (614)759-2098

**QUOTE/PROJECT DESCRIPTION**

Farber F550, Diesel  
 19,500 GVWR  
 18' Floorspace, NON CDL

V-1

**TOTAL UNIT PRICE \$ 514,732.20**

CONTACT	TERMS	COMMERCIAL	DELIVERY	SHIPPED VIA	DATE
Brock Templin	50% deposit, remainder due Net30 at delivery		18-24 Months	DESTINATION	8/14/2024

PART ID	QUANTITY	UNIT PRICE	TOTAL PRICE
<b>VEHICLES - FOB Continental US</b>			
1	Cab Chassis - F Series 18	F-SERIES	\$ 365,000.00 \$ 365,000.00
<b>Interior Options</b>			
1	Side sliding window	\$ 592.00	\$ 592.00
1	Emergency exit window	\$ 690.00	\$ 690.00
<b>Interior Finish Options</b>			
1	Upgraded vinyl flooring	\$ 2,215.00	\$ 2,215.00
<b>Exterior Entry Options</b>			
1	Roll up door	\$ 2,521.00	\$ 2,521.00
<b>Power Supply Options</b>			
0	7KW Quiet diesel generator	\$ 15,653.00	\$ -
1	Bronze battery pack, vehicle power supply	\$ 54,157.00	\$ 54,157.00
1	Inverter system	\$ 5,021.00	\$ 5,021.00
<b>Solar Options</b>			
1	1200W solar panel system	\$ 12,995.00	\$ 12,995.00
<b>Audio Video Options</b>			
1	Back-up camera system, LCD color monitor	\$ 1,712.00	\$ 1,712.00
<b>Appliance Options</b>			
1	Microwave oven, cabinet mounted	\$ 547.00	\$ 547.00
<b>HVAC Options</b>			
1	Powered reversible roof vent w/ max air cover	\$ 615.00	\$ 615.00
1	Roof mounted air conditioner	\$ 1,334.00	\$ 1,334.00
<b>Plumbing Options</b>			
1	Plumbing system w/ pump, sink, holding & waste tank, hot water heater and monitor panel	\$ 7,064.00	\$ 7,064.00
<b>Interior Lighting Options</b>			
1	LED ceiling light package (per vehicle)	\$ 4,057.00	\$ 4,057.00
<b>Exterior Lighting Options</b>			
2	LED scene light (each)	\$ 525.00	\$ 1,050.00
<b>Retrofit Options</b>			
0	Engineering Time (per hour)	\$ 231.00	\$ -
1	Basic electrical, power panel, conduit, receptacles, interior lighting, heaters, HVAC connections	\$ 40,170.00	\$ 40,170.00
0	Hourly rate for custom modifications	\$ 176.00	\$ -
<b>OTHER</b>			
	CAD Design Engineering & electrical schematics 3%	\$ 14,992.20	
<b>TOTAL PRICE \$ 514,732.20</b>			

**SPECIAL NOTES AND INSTRUCTIONS**

Farber Specialty Vehicles will make every effort to provide the necessary components as quoted but models, model numbers and names change often and FSV ( Farber ) reserves the right to replace a component with equal or better features if the quoted product is unavailable.

**Thank you for your business!**

*Please confirm your acceptance of this quote by signing this document.*

Signature

Print Name

Date

## Attachment B – Quote from Runaso



### MOBILE WATER LAB

**Orange County Water District**

18700 Ward Street  
Fountain Valley CA United States  
92708

Reference: 20240807-103048155

Quote created: August 7, 2024

Quote expires: October 6, 2024

Quote created by: Ramin Goudarzi

CTO

goudarzi@runaso.com

+14379711369

**Marcus Villalobos**

mvillalobos@ocwd.com  
(714) 378-3261

**Comments from Ramin Goudarzi**

Please do not hesitate to inquire about any concerns you may have.

**Products & Services**

Item & Description	Quantity	Unit Price	Total
MOBILE WATER LAB Based on the technical specifications	1	\$379,700.00	\$379,700.00
One-time subtotal			\$379,700.00
<b>Total</b>			<b>\$379,700.00</b>

**Purchase terms**

The buyer is responsible for all federal and state import duties, taxes, and other fees. This document includes the quote based on the buyer's technical specifications and shipping costs.

**Attachment C – Quote from LDV Custom Specialty Vehicles**



180 Industrial Drive  
Burlington, WI 53105 USA  
Phone: 800-558-5986  
Fax: (262) 767-2529  
Direct: +1 (262) 763-0147  
[www.ldvusa.com](http://www.ldvusa.com)

**PRELIMINARY  
SPECIFICATIONS FOR:**

**Orange Co Water District (CA)**  
MOBILE WATER LAB

**LDV PROPOSAL # C24LAB-35589-23**

**JULY 10, 2024 REV3**  
MAY 7, 2024 REV2  
JUNE 28, 2023 REV1  
JUNE 16, 2023



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**PRICING PAGE:**

Total price per unit as specified, FOB Origin	\$342,871.00
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Delivery charge to Orange County (CA)	\$4,675.00
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<b>Total price per unit</b>	<b>\$347,546.00</b>
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Delivery terms: Ask your Sales Representative.

Payment Terms: 50% down payment, 50% net 30.

Quote is firm for 30 days from specification date.

Quoted price does not include any applicable FET, federal, state or local tax unless specified.



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive  
Burlington, WI 53105 USA  
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Direct: +1 (262) 763-0147  
www.ldvusa.com

Item	Qty	
1.00		<p><b><u>CHASSIS/BODY DIMENSIONS:</u></b></p> <p>17' dry van</p> <ul style="list-style-type: none"> <li>• Cab-to-Axle 118"</li> <li>• Wheelbase of chassis: 176"</li> <li>• Overall length of apparatus: 288"</li> <li>• Overall apparatus width, rub rail to rub rail: 96"</li> <li>• Overall height of apparatus (loaded): 134"</li> <li>• Interior walkway height raw body: 83"</li> <li>• Interior walkway height finished: 81.5"</li> <li>• Interior walkway length: 204"</li> <li>• Interior raw body width: 93"</li> <li>• Interior finished body width: 87"</li> </ul> <p>Final measurements are dependent on body builder, chassis components, axles, tires, frame, suspension, and roof-mounted equipment.</p>
2.00		<p><b><u>CHASSIS:</u></b></p>
2.01	1	<p>New Ford E-450 Cutaway Base SD chassis; 176" wheelbase, dual rear wheels</p> <ul style="list-style-type: none"> <li>• Engine: 7.3L V8 gas</li> <li>• Transmission: Electronic 6-speed Automatic with overdrive, includes tow/haul.</li> <li>• 4x2 rear wheel drive</li> <li>• 14,500 GVWR</li> </ul>
2.02	1	Spring upgrade installed on rear suspension.
2.03	1	Federal Signal Back-up alarm model 210331.
2.04	1	US DOT triangle reflector kit with three (3) triangles, for compliance with FMCSA regulations. Includes plastic storage case. Kit will be shipped loose in the vehicle.
2.05	1	Route horizontal exhaust to streetside.
3.00		<p><b><u>BODY:</u></b></p>
3.01	1	<p>Load space area shall be 83" high x 93" wide x 17' long custom dry van body with the following:</p> <ul style="list-style-type: none"> <li>• Aerodynamic cap on front bulkhead unit with 26" sliding door access to cab.</li> <li>• FRP front wall</li> <li>• Aluminum .040 walls.</li> <li>• 1-1/2" Aluminum I-Beam on 16" centers.</li> <li>• Full width Twin rear doors with bar lock hardware on the outside. No windows and no internal door hardware on the inside. Rear doors to open 270 degrees.</li> <li>• Aluminum roof</li> <li>• 1-1/8" tongue &amp; groove plywood floor.</li> <li>• 18" Skirts</li> </ul>
3.02	1	<p>Rear aluminum bumper. 12" deep by full body width and grip strut surface.</p> <p><b>NOTE:</b></p> <p>Bumper will be powder coated Belgian Black No-Slip.</p>
3.03	1	Maxxima LED Round combination stop/tail, turn and reverse lights.
3.04	1	Cast Products LP0013-1 aluminum license plate holder with LED light.



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[www.ldvusa.com](http://www.ldvusa.com)

Item	Qty	
3.05	1	LDV rear mud flaps. Includes anti-sail brackets when required.
3.06	1	Install One (1) Rear mounted rotating Winch boom, boom to pivot and have lockable positions. capacity of 500-1000lbs and One (1) Steel Winch table, 14" W x 15"H x 36L on the street side below the street side window. This will have a 120v wall outlet to power customers Winch that will be mounted to the table. Customer will mount Winch after they receive the vehicle.
4.00		<b><u>PAINT:</u></b>
4.01		Body base color shall be white.
5.00		<b><u>INDEPENDENCE ONYX INTERIOR:</u></b> <ul style="list-style-type: none"><li>• Wall Covering: #66 Silver Smooth FRP</li><li>• Ceiling Fabric: Silver Mist</li><li>• Floor Covering: #150 Onyx PVC Flooring</li><li>• Office Chairs: Black</li><li>• Vinyl Coverings: #WH1-2140 Whisper Black</li><li>• Cabinets: #EBT-2-2002 Black Powder Coated</li><li>• Counters: #9091-ML Midnight Melange Solid Surface</li></ul> <p>Note: Manufacturer reserves the right to substitute equivalent materials.</p>
6.00		<b><u>DRIVER / PASSENGER CAB AREA:</u></b>
6.01		Cab Area Additions: <ul style="list-style-type: none"><li>• Vehicle height sign on dash.</li><li>• Vehicle shall have a Final Stage Vehicle Certification and Altered Vehicle Certification as required by Federal Motor Vehicle Safety Standards (FMVSS) 49 CFR Part 567.5 and 567.7</li><li>• Payload sticker in cab area with vehicle axle load ratings and available axle payload as built.</li></ul>
6.02	1	Color back up camera system with 7" LCD monitor and day/night camera.
7.00		<b><u>WALLS, CEILING AND FLOOR:</u></b>
7.01		Install wood furring strips on interior body side posts and roof supports to provide space for the installation of insulation, conduit and electrical boxes.
7.02		Insulate walls with a minimum of 2-1/2" of fiberglass insulation. Cover interior body side posts with 1/2" plywood sub wall.
7.03		Cover sub wall with smooth finish Kemlite 0.075" fiberglass reinforced plastic (FRP) lining. Wall covering shall be a continuous piece front to back, no seams acceptable.
7.04		Insulate ceiling with a minimum of 2-1/2" of fiberglass. Cover interior roof supports with 1/2" plywood.
7.05		Cover sub ceiling with Kemlite 0.075" fiberglass reinforced plastic (FRP) lining. Ceiling covering shall be a continuous piece front to back, no seams acceptable.
7.06		Floor underlayment to be 5/8" exterior grade tongue and groove structural plywood, 6 ply, face veneer plugged and sanded.
7.07		Lonseal Loncoin II Flecks non-skid commercial grade PVC flooring. The flooring shall be continuous, one piece full length, full width, no seams.
7.08		Vinyl cove molding (mop board) at base of wall, 2-1/2" high. Installed where required.
7.09		All bulkheads shall be covered with Kemlite 0.075" FRP. Trim exposed edges of bulkheads with rounded anodized aluminum trim where applicable.



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Item	Qty	
7.10	1	Cover rear load space entry doors with 0.100" bright aluminum diamond plate with rubber grab handles.
7.11	2	Custom fabricated door holder, manually operated to hold door in fixed open position, with swivel base.
7.12	1	Hehr curb side mounted 30" wide x 19" high flush mount deep-tint horizontal sliding egress window with screen.
7.13	1	Hehr street side mounted 30" wide x 19" high flush mount deep-tint horizontal sliding egress window with screen.
8.00		<b>GALLEY / LAVATORY:</b>
8.01	1	Microwave oven, minimum 1.0 cu. ft..1000-watt. <b>NOTE:</b> Current model is Panasonic NN-SU656B 1.3 Cu. Ft. Black Countertop Microwave Oven Microwave oven to be mounted above street side storage closet.
8.02	1	Pressurized Water System. Includes: <ul style="list-style-type: none"><li>One Stainless steel galley sink with Two (2) Single handle deck mounted chrome plated faucets.</li><li>Two (2) Deck mounted faucets, 18" High goose neck</li><li>(2) Aqua Jet model #5503-AV15-B636 (or current model) 5.3 GPM water pump</li><li>One (1) 10 gallon Fresh water tank -Connected to single faucet</li><li>One (1) 10 gallon Soapy water tank -Connected to single faucet</li><li>One (1) 25 gallon Waste water tank</li><li>All plumbing pressure pipes shall be PEX tubing.</li><li>Regulated city water fill so that system can be pressurized using city water when available.</li><li>Winterizing valves mounted in line on the input side of the water pumps. Valve allows antifreeze to be pumped throughout the system to winterize plumbing.</li></ul>
8.03	2	Exterior Lockable Dual RV Water Inlets - City Water and Gravity Fill - Plastic Valve. <ul style="list-style-type: none"><li>White Surface Mount</li><li>7-5/8 Inch Diameter Flange</li><li>1/2 Inch Deep</li><li>Overall dimensions: 7-5/8" wide x 6-1/2" tall</li><li>Cutout dimensions: 5-7/8" wide x 4-3/4" tall</li><li>Sliding door dimensions: 1-7/16" tall x 1-1/4" wide</li><li>Lockable hatch door includes 2 keys and a keyless thumb lock</li><li>Interior connections:<ul style="list-style-type: none"><li>City Water: 1/2" MPT</li><li>Gravity fill: 1-1/8" and 1-1/4" barbed</li><li>Air vent: 1/2" barbed</li><li>Air vent attaches 1/2" tubing to tank so water flows out smoothly</li></ul></li></ul> <b>NOTE:</b> Locate: Both water inlets on the curb side. (1) Connect one to the Fresh water tank (1) Connect one to the Solution/ soap water tank



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Item	Qty	
9.00		<b><u>SEATING:</u></b>
9.01	1	HON Basyx HVL210 pneumatic task chair with five-star caster spider base, adjustable height and no armrests.
9.02	1	Securement strap with buckle installed under counter to secure office chair.
9.03		Fabricate and install fixed bench seating with removable cushions as shown on drawing. Bench seat cushions shall be covered in heavy-duty vinyl. <b>NOTE:</b> Located on street side
9.04		<b><u>BENCH SEAT REQUIREMENTS:</u></b> <ul style="list-style-type: none"><li>• Foam for seat backs and bottoms shall be firm density.</li><li>• All bench seating material must meet Federal Motor Vehicle Safety Standards part 571.302 Flammability of Interior Materials.</li><li>• Material corners shall be squared or angled to fit precise cut of foam.</li><li>• Foam shall be bonded to plywood backer with industrial grade adhesive.</li><li>• Attachment of fabric/vinyl to backer shall utilize industrial grade upholstery staples.</li></ul>
10.00		<b><u>CABINETS:</u></b>
10.01		Custom fabricated aluminum cabinets located as shown on drawing. Cabinet specifications: <ul style="list-style-type: none"><li>• Base cabinets constructed of 0.080" powder coated aluminum with anodized aluminum frames.</li><li>• Base cabinet doors are double shell, formed from a single sheet of 0.080" aluminum, with a 0.040" aluminum door back attached.</li><li>• Overhead cabinets constructed of 0.064"powder coated aluminum with anodized aluminum frames.</li><li>• Overhead cabinet doors are double shell, formed from a single sheet of 0.064" aluminum, with a 0.040" aluminum door back attached.</li><li>• Overhead cabinet doors swing up with gas spring lift supports.</li></ul>
10.02		Radius edging incorporated as design permits.
10.03	4	Adjustable aluminum shelf with 1" lip. <b>NOTE:</b> Street side closet, One shelf to be " Sample Tube Storage"
10.04	1	Magnetic dry erase board framed in aluminum. Includes aluminum clip frame for easy board replacement, sized as required. <b>NOTE:</b> Mount street wall towards rear, above counter top.
10.05	1	Fixed aluminum shelf, 36" wide x 16" deep <b>NOTE:</b> Shelf mounted to wall above winch table and just under the window. This shelf to hold winch controller.
10.06		Wilsonart Gibraltar 1/2" solid surface countertop over subsurface. Solid surface countertop shall have a 1-1/2" front lip with radius edge. <b>NOTE:</b> Black Onyx Mirage 9092MG



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive  
Burlington, WI 53105 USA  
Phone: 800-558-5986  
Fax: (262) 763-0156  
Direct: +1 (262) 763-0147  
[www.ldvusa.com](http://www.ldvusa.com)

Item	Qty	
10.07	1	120/240Vac Control Center, 12Vdc power panels, master disconnect switch and auto resetting breakers shall be located in cabinet as shown on drawing.
11.00		<b><u>HVAC SYSTEM:</u></b>
11.01	1	Fan-tastic Vent model 1450 3-speed reversible 12" power roof ventilator.
11.02	1	Low profile rooftop air conditioner. Includes: • 13,500 nominal Btu/hr air conditioner with condensate pump. • Ceiling Assembly with 6,000 Btu/hr heat strip
12.00		<b><u>AC ELECTRICAL SYSTEM:</u></b>
12.01	1	30A 120/240Vac control panel with six (6) AC UL listed magnetic/hydraulic branch circuit breakers, each with an LED indicator, One 30A main breaker with shore power reverse polarity indicator plus five breakers for branch circuits.
12.02	1	Marinco 30A-125Vac waterproof shore power inlet, 50-ft. 30A-125Vac shore power cord, 6-ft. 30A-125Vac pigtail.
12.03	2	20A-125Vac duplex receptacle. Receptacle is not dedicated to any installed equipment. <b>NOTE:</b> Locate: Two (2) street side One (1) under sink base cabinet
12.04	3	20A-125Vac GFCI duplex receptacle. These receptacles are not dedicated to any installed equipment. <b>NOTE:</b> Locate: Two (2) curb side above counter top.
12.05	1	<b><u>120/240VAC WIRING REQUIREMENTS:</u></b> • All 120/240Vac main wiring shall be stranded THHN wire and run in non-metallic Carlon Carflex liquid tight conduit. . • All 120/240Vac branch circuit wiring shall be boat cable (AWG 12 minimum). • All electrical circuits and appliances shall conform to applicable national electrical codes.
13.00		<b><u>DC ELECTRICAL SYSTEM:</u></b>
13.01	1	12Vdc control panel with seven (7) UL listed magnetic/hydraulic circuit breakers with red LED indicators and 12Vdc digital voltmeter.
13.02	1	Dual Auxiliary Battery Disconnect System. Enables auxiliary battery disconnect to be activated from cab or load space area.
13.03	1	GreenPower™ lithium battery power plan system. Includes: • Battery Monitor • Five (5) Lithium Battery 12.8V/330Ah – 10.4" tall x 14.1" wide x 8.1" deep • Six (6) 200-Watt 12 Volt Monocrystalline Solar Panel • Control Monitoring Panel • 5000 Watt Inverter/Charger • Smart Solar Charge controller <b>NOTE:</b> Batteries installed in outside curb side compartment.
13.04	10	Light, Orion 6" LED, neutral white with polished bezel and voltage regulation.



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Item	Qty	
13.05		<p><b><u>12VDC WIRING REQUIREMENTS:</u></b></p> <ul style="list-style-type: none"><li>• 2-gauge minimum copper stranded battery cable shall be used for 12Vdc main supply lines. All cable runs shall be full length, no splices. All cable terminals shall be staked and soldered. All cable shall be enclosed in convoluted polyethylene tubing and the ends of the cable shall be sealed with color-coded shrink-wrap identifying the function of the cable.</li><li>• All added electrical branch circuits shall be protected from over-current by resettable circuit breakers appropriately rated for the load. Only circuit breakers shall be used in the installation of added electrical branch circuit wiring (plug type fuses are unacceptable).</li><li>• Circuit breaker functions shall be identified by engraved or printed labels.</li><li>• All added wiring for load runs of AWG 10, 12, 14, and 18, shall conform to MIL-W-16878/2 and/or UL1007/1569"</li><li>• All added wiring for load runs of AWG 8, shall conform to MIL-W-16878/3 and/or UL1028</li><li>• Wire terminals for added circuits must conform to MIL-T-7928. Terminals shall be insulated, insulation grip, TYPE II, CLASS 2 and shall be crimped with tooling recommended by the terminal manufacturer.</li><li>• All wiring shall be numbered or lettered on 6" centers minimum.</li><li>• Wiring shall be protected from chafing and abrasion with convoluted polyethylene tubing (wire loom) as required.</li><li>• Where wire passes through sheet metal, bulkheads and structural supports, plastic grommets shall be used to protect both wiring and wire looms.</li><li>• All wire bundles shall be tied with trimmed nylon ties.</li><li>• Extreme care shall be exercised to provide for easy serviceability of the system in future years.</li><li>• Extreme care must be taken in the installation to avoid the engine manifold, engine exhaust, and muffler, which could expose the wiring to severe overheating during long periods of operation. Proper insulation and heat deflection panels must be installed in such areas.</li><li>• A high-current 12Vdc system wiring schematic shall be provided.</li><li>• These are the minimum acceptable 12Vdc wiring requirements.</li></ul>
14.00		<p><b><u>MISCELLANEOUS ELECTRONICS:</u></b></p>
14.01	1	<p>Cast Products EB00013-1 cast aluminum weatherproof box with key lock.</p> <p><b>NOTE:</b> For leveling jack control components</p>
15.00		<p><b><u>EXTERIOR STORAGE COMPARTMENTS:</u></b></p>
15.01	1	<p>Single door underbody Green power battery storage compartment with slide out battery tray. Compartment approximate interior dimensions up to 18" high x up to 60" wide x 25" deep constructed from 0.125" aluminum with all welded seams.</p> <p><b>NOTE:</b></p> <p>Battery storage compartment to house five (5) lithium batteries, 10.4"H x 14.1" W x 8.1" L.</p>
15.02		<p>Compartments listed above will be constructed to the following specifications:</p> <ul style="list-style-type: none"><li>• Sweep out type bottoms with 1/2" drain holes.</li><li>• 2" box pan doors and door frames fabricated from 0.125" aluminum.</li><li>• Door frames shall be riveted to the body and welded to the compartments.</li><li>• Compartments shall have an LED light that illuminates when the door is opened.</li></ul> <p>Compartment doors will be constructed to the following specifications:</p> <ul style="list-style-type: none"><li>• Stainless steel hinges attached with stainless machine screws.</li></ul>



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Item	Qty	
		<ul style="list-style-type: none"><li>• Slam latches and flush mounted handles.</li><li>• 0.100" bright polished aluminum diamond plate on interior surfaces fastened with stainless hardware.</li><li>• All doors shall be sealed with industrial grade neoprene gasket.</li></ul>
16.00		<b><u>MISCELLANEOUS OTHER:</u></b>
16.01	1	5 pound dry chemical fire extinguisher.
16.02	1	Battery powered combination Carbon Monoxide and Smoke alarm.
16.03	1	<p>Complete manual set, including the following (as applicable):</p> <ul style="list-style-type: none"><li>• As-built specifications with interior and exterior drawings as used for production of the vehicle.</li><li>• Chassis and body owner's manuals.</li><li>• 12Vdc and 120Vac legends showing wire gauge, color, number and function.</li><li>• 12Vdc high current wiring diagram illustrating the battery system, isolators, power converters, alternator, disconnect switches and control panels.</li><li>• Roof top antenna placement drawing and legend identifying antenna placements and termination points.</li><li>• Audio/Video cabling diagram.</li><li>• Chassis and generator maintenance and service logs.</li><li>• Battery maintenance information.</li><li>• All individual component manuals and warranty registration cards as provided by component manufacturers. Customer is responsible for completing warranty cards and mailing them to manufacturers.</li></ul>
16.04	1	TRAINING. An LDV representative will provide up to four (4) hours of orientation on LDV provided systems, as applicable: <ul style="list-style-type: none"><li>• Leveling system operation</li><li>• AC and DC electrical systems operation</li><li>• HVAC systems operation</li></ul>
16.05		LDV warranty of one (1) year/12,000 miles, whichever comes first, for manufacturer's defects in materials and workmanship. Refer to LDV warranty statement for details of warranty coverage.
16.06		<p>Note: Project scope does not include certain tasks or costs that are the responsibility of the customer unless clearly specified as LDV supplied. These items include, but are not limited to:</p> <ul style="list-style-type: none"><li>• Radio and telephone system programming.</li><li>• Activation and service fees for cellular telephones, satellite telephones, satellite TV, satellite internet access.</li><li>• Loading and configuring computer software.</li></ul> <p>In the event of a discrepancy between the drawing and specification, the specification will supersede. LDV reserves the right to make substitutions of equal quality and specifications of those listed in this document.</p> <p>Some component models change frequently. In the event that a specified component model becomes unavailable at the time LDV attempts to source it, LDV will provide a replacement model with equivalent or better features, as agreed upon with the customer.</p>



## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 11, 2024

**To:** Water Issues Committee  
Board of Directors

**From:** John Kennedy

**Staff Contact:** C. Olsen/R. Bouley

**Budgeted:** Yes

**Budgeted Amount:** \$13,190,000

**Final Cost:** \$13,685,430

**Funding Source:** CIP

**Program/Line Item No.:** C19017

**General Counsel Approval:** Yes

**Engineers Report:** Completed

**CEQA Compliance:** Cat. Ex.

**Subject: CONTRACT NO. FUL-2022-1 AUTHORIZE NOTICE OF COMPLETION,  
RATIFY CHANGE ORDERS, AUTHORIZE BUDGET INCREASE, AND  
AUTHORIZE TRANSFER**

---

### SUMMARY

Construction of the City of Fullerton Main Plant PFAS Water Treatment Plant by Pacific Hydrotech is complete. Staff recommends filing a Notice of Completion, ratifying change orders, authorizing a budget increase and authorizing transfer of improvements for Contract FUL-2022-1.

### RECOMMENDATION

1. Ratify issuance of Change Order Nos. 1 – 11 to Pacific Hydrotech for a total amount of \$348,168;
2. Accept completion of work and authorize filing a Notice of Completion for Contract No. FUL-2022-1: Fullerton Main Plant PFAS Water Treatment Plant;
3. Increase project budget by \$495,430 for a total project budget of \$13,685,430; and
4. Authorize the General Manager to transfer the Fullerton Main Plant PFAS Water Treatment Plant to the City of Fullerton effective the date of filing the Notice of Completion and quitclaim any property rights obtained for the project.

### BACKGROUND/ANALYSIS

Construction of the City of Fullerton PFAS Water Treatment Plant is complete and has started producing water as of July 2024. This project included improvements to Fullerton's Well 3A, and these expenses will be reimbursed by Fullerton.

There were several changes to the plans due to unknown utilities and buried debris, as well as design changes and operational modifications that were not accounted for with the original design. These changes are partially reimbursed by Fullerton. Change Order Nos. 1-11 were executed under the General Manager's signing authority and include changes as summarized below:

CCO #1. Additional over excavation at backwash tank pat and additional excavation for MH #8 connection - Add \$12,210.97 and 0 Calendar Days.

CCO #2. Additional over excavation for privacy wall footing and move conflicting rebar at GAC pad - Add \$190,359.17 and 0 Calendar Days.

CCO #3. Delay due to City planning and coordination of well shutdown, export unsuitable dirt from site, and add 1-foot spool to 24" EW line - Add \$20,638.24 and 69 Calendar Days.

CCO #4. Add card reader to gate and modify foundation for VFD - Add \$6,438.41 and 0 Calendar Days.

CCO #5. Add security knock out to received light pole and replace feeders to pump #4 and #7 - Add \$15,701.90 and 0 Calendar Days.

CCO #6. Remove and dispose of unsuitable fill at backwash tank, additional labor for setting pipe racks due to design change, weld additional sample ports, modify 10 spools to relocate PRVs, add signage to GAC Vessels, and add additional post to access gate - Add \$22,660.32 and 42 Calendar Days.

CCO #7. Add pressure transmitter and gauge to analyzer panel, remove and dispose of unsuitable soil from bioswales, and revise connection from existing piping to new Well 3A pump - Add \$39,747.20 and 25 Calendar Days.

CCO #8. Add well casing thickness inspection survey, replace missing spool at Well 3A piping, and install additional piping at Well 3A - Add \$27,741.80 and 3 Calendar Days.

CCO #9. Add electrical conduit and outlets at Well pump shelter, add spare conduits for future backwash pumps, install new prelube line to Well 3, extend chain link fence to new CMU wall, relocate sample station per DDW direction, add pipe support at backwash tank drain, modify hose for dolphin strainer at backwash tank, and credit swage patching that was not performed – Add \$6,217.11 and add 5 Calendar Days.

CCO #10. Repair damaged Valve box, modify PLC control panel HDMI, and replace existing Well 3A breaker - Add \$7,083.00 and 0 Calendar Days.

CCO #11. include the Final Davis Bacon Wage Rate Determinations for Orange County Modification 8, published April 29, 2022 – Add \$0 and 0 Calendar Days.

The net total of Change Order Nos 1-11 is \$348,168. The total change order percentage for this contract is 4.3%. Table 1, below, shows the final project budget:

**Table 1: Fullerton Main Plant PFAS Treatment Budget Summary**

Description	Budget	Budget
<b>Design, CM, Permitting</b>		
Tetra Tech Work Order No. 4-4B	\$1,573,353	\$1,573,353
Tetra Tech Work Order No. 4C	\$0	\$425,000
Tetra Tech Work Order No. 4D	\$0	\$202,100
Tetra Tech Work Order No. 4E	\$0	\$96,550
Permitting	\$10,000	\$3,085

<b>Main Plant Construction</b>		
Contract FUL-2022-1	\$8,053,035	\$8,053,035
CCOs 1 – 11	\$0	\$348,168
<i>Pressure Vessel Pre-Purchase</i>	\$2,301,357	\$2,312,990
GAC Media	\$463,620	\$463,620
<i>City of Fullerton SCADA Integration</i>	\$0	\$147,529
<i>OCWD Staff Expense</i>	\$0	\$60,000
<b>Project Contingency</b>	\$788,635	\$0
<b>Total Main Plant Project Budget</b>	<b>\$13,190,000</b>	<b>\$13,685,430</b>
<i>Fullerton Contribution (Credit to OCWD)</i>	<u>(\$0)</u>	<u>(\$454,732)</u>
<b>Total Cost to OCWD</b>	<b>\$13,190,000</b>	<b>\$13,230,698</b>

The PFAS Treatment Facilities and Program Agreement executed between the District and Fullerton requires OCWD to transfer the Treatment Systems to the City upon filing of the construction contract Notice of Completion. It is recommended that the General Manager be authorized to transfer the Treatment System to the City of Fullerton.

#### **PRIOR RELEVANT BOARD ACTION(S)**

5/17/23, R23-5-65: Approving Agreement to Calgon Carbon Corporation for Fullerton Main Plant GAC Media

7/20/22, R22-7-94: Awarding Contract No. FUL-2022-1, Fullerton Main Plant PFAS Water Treatment Plant, to Pacific Hydrotech Corp

1/19/22, R22-1-7: Receiving and Filing Engineer's Report for Fullerton Main Plant PFAS Water Treatment Plant Project and Determining the Project Feasible, Necessary and Beneficial to the Lands of the District; Authorizing Publication of Request for Proposals to Procure and Install Granular Activated Carbon Media; Authorizing Publication of Notice Inviting Bids for Contract No. Ful-2022-1, Fullerton Main Plant PFAS Water Treatment Plant, and Authorizing Filing of a Categorical Exemption.

4/21/21, R21-4-64: Issuance of Amendment No. 3 to Agreement No. 1423 for an additional amount not to exceed \$282,571 to modify five treatment vessel systems to meet the treatment strategy selected for the city of Fullerton is authorized.

10/21/20, R20-10-135: Issuance of Amendment No. 1 to Agreement No. 1422 with Aqueous Vets, for an amount not to exceed \$306,338 and Issuance of Amendment No. 2 to Agreement No. 1423 with Evoqua, for an amount not to exceed \$533,593 is authorized to modify 55 treatment vessel systems (110 vessels) to meet State Water Resources Control Board, Division of Drinking Water (DDW) requirements.

5/6/20, R20-5-56: The following agreements are authorized for the purchase of PFAS treatment pressure vessel systems: Agreement to Aqueous Vets for the purchase of

25 systems for a price not to exceed \$8,159,052 and Agreement to Evoqua and for the purchase of 30 systems for a price not to exceed \$11,020,220; and, upon approval as to form by District General Counsel, execution of such agreements by the District officers is authorized.

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



Backup materials for Committee items are available in the Committee packet.  
Materials distributed at Committee meetings are attached hereto

## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 11, 2024

**Budgeted:** Yes

**Budgeted Amount:** \$45,000

**Final Cost: \$27,500**

## Funding Source: R&R

**Program/ Line Item No.: R23031**

**General Counsel Approval:** N/A

## Engineers/Feasibility Report: N/A

## CEQA Compliance: Yes

**To:** Water Issues Committee  
Board of Directors

**From:** John Kennedy

**Staff Contact:** R. Herndon/D. Field

**Subject: NOTICE OF COMPLETION FOR CONTRACT GBM-2024-1  
DESTRUCTION OF MONITORING WELLS AM-29A AND MCAS-10**

## SUMMARY

BC2 Environmental LLC. (BC2) has completed all work under Contract GBM-2024-1 for the destruction of obsolete monitoring wells AM-29A and MCAS-10. The final costs were \$27,500.

## RECOMMENDATION

## RECOMMENDED BY COMMITTEE

Agendize for September 18 Board meeting: Accept completion of the Work and Authorize filing a Notice of Completion for Contract No. GBM-2024-1.

## BACKGROUND/ANALYSIS

AM-29A

Monitoring well AM-29A was constructed by the Orange County Transportation Authority (OCTA) in 1992 to a depth of 97 feet. When constructed, OCTA named this well MW-1. This perched aquifer well was installed to investigate an underground storage tank leak on OCTA property. Attached Figure 1 shows the location of the well.

In 1999, OCWD accepted responsibility for the well and renamed it AM-29A. Between 1999 and 2017, OCWD used this well to monitor groundwater levels and quality in the North Basin area. OCWD stopped monitoring AM-29A in 2017 because no significant contamination had been detected in the well, and the well is too shallow to provide useful groundwater level data for the regional Shallow Aquifer. For these reasons, staff determined that the well should be properly destroyed and sealed.

MCAS-10

Monitoring well MCAS-10 was constructed by OCWD in 1989 to a depth of 389 feet to investigate the extent of the trichloroethylene (TCE) plume that originated from the former Marine Corps Air Station El Toro and to characterize the local hydrogeology. Attached Figure 2 shows the location of MCAS-10, OCWD and the Department of the

Navy (Navy) used this well to monitor groundwater levels and quality. TCE has never been detected in groundwater samples collected from MCAS-10.

In recent years, OCWD staff observed that the well's purge rate during sampling had decreased appreciably, groundwater levels drew down significantly, and it took an inordinate amount of time to recover before a sample could be collected. Down-hole videos showed that the mild steel well casing was heavily corroded and impacted by chemical and biological encrustation. An attempt by OCWD staff to redevelop the well was unsuccessful.

Based on the age, materials of construction, and field observations, staff concluded that the well had reached the end of its useful life and should be properly destroyed and sealed. Navy staff agreed with our recommendation for destruction, and a replacement well is not currently proposed.

In July 2023, the Board authorized destruction of monitoring wells AM-29A and MCAS-10. The Notice Inviting Bids for Contract GBM-2024-1 was issued on February 20, 2024. In April 2024, the Board awarded Contract GBM-2024-1 to BC2. The work was completed by BC2 in July and early August 2024.

Table 1 below summarizes the approved budget and expenditures. Expenditures match the lump sum bid amount and the project has been completed within the approved budget.

Table 1: Monitoring Wells AM-29A and MCAS-10 Destruction Budget and Expenditures

Task	Approved Budget	Expenditures
AM-29A Destruction	\$ 22,000	\$ 10,750
MCAS-10 Destruction	23,000	16,750
Destruction Inspection Services <sup>1</sup>	0	0
<b>PROJECT TOTAL:</b>	<b>\$ 45,000</b>	<b>\$ 27,500</b>

<sup>1</sup>Inspection services were completed in-house by an OCWD geologist.

## PRIOR RELEVANT BOARD ACTIONS

4/17/24, R24-4-36 Award Contract GBM-2024-1 Destruction of Monitoring Wells AM-29A and MCAS-10 to BC2 Environmental, LLC.

7/19/23, R23-7-90 Authorize destruction of monitoring wells AM-29A and MCAS-10.

1/6/99, R99-1-1 Accept and authorize execution of Agreement with OCTA for transfer of responsibility for monitoring well MW-1 (renamed AM-29A).

2/22/89, R88-2-22 Accept proposal and authorize issuance of purchase order to Beylik Drilling/Welenco for well testing services in connection with El Toro USMCAS TCE investigation.

Figure 1: AM-29A Location

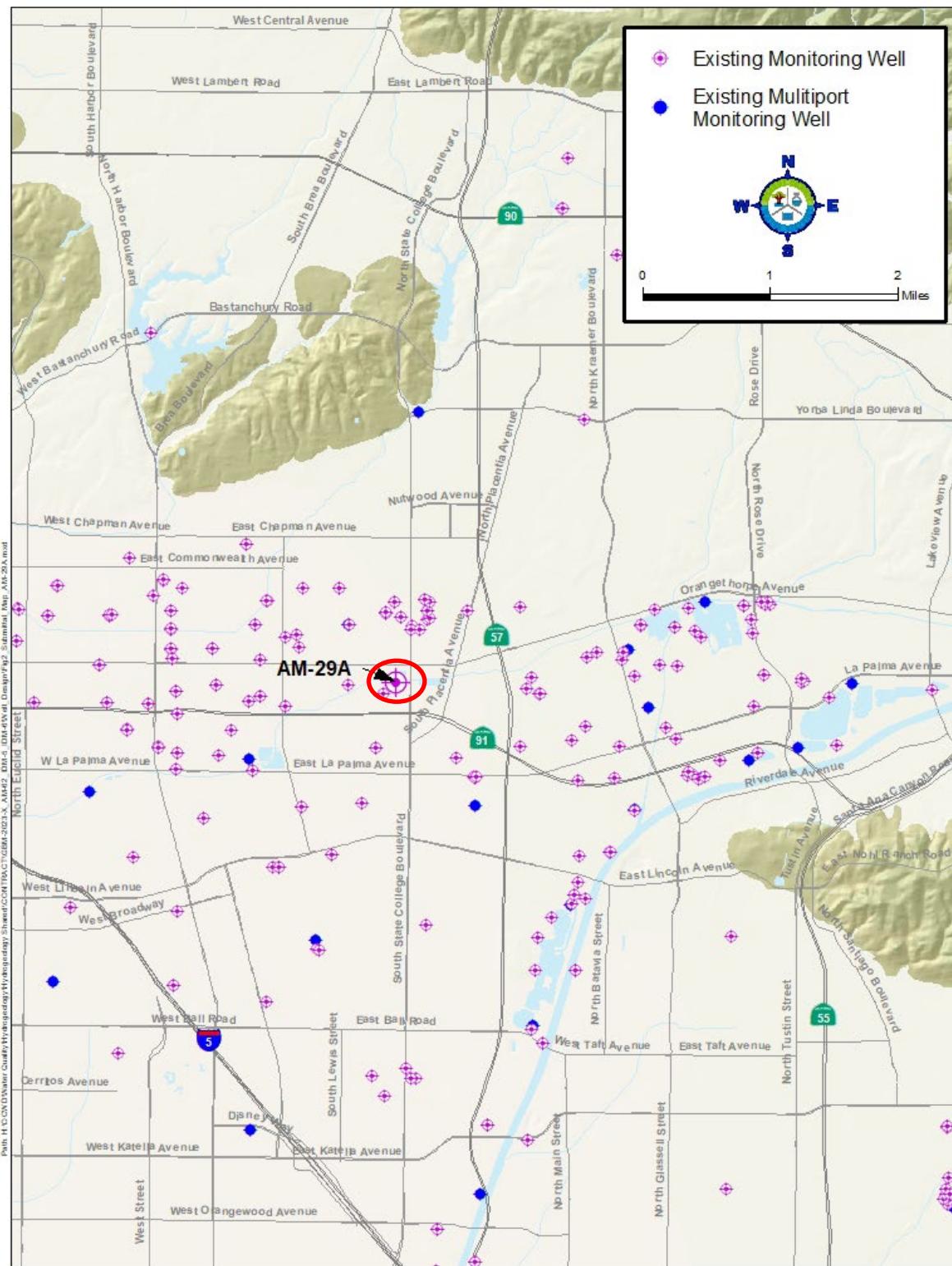
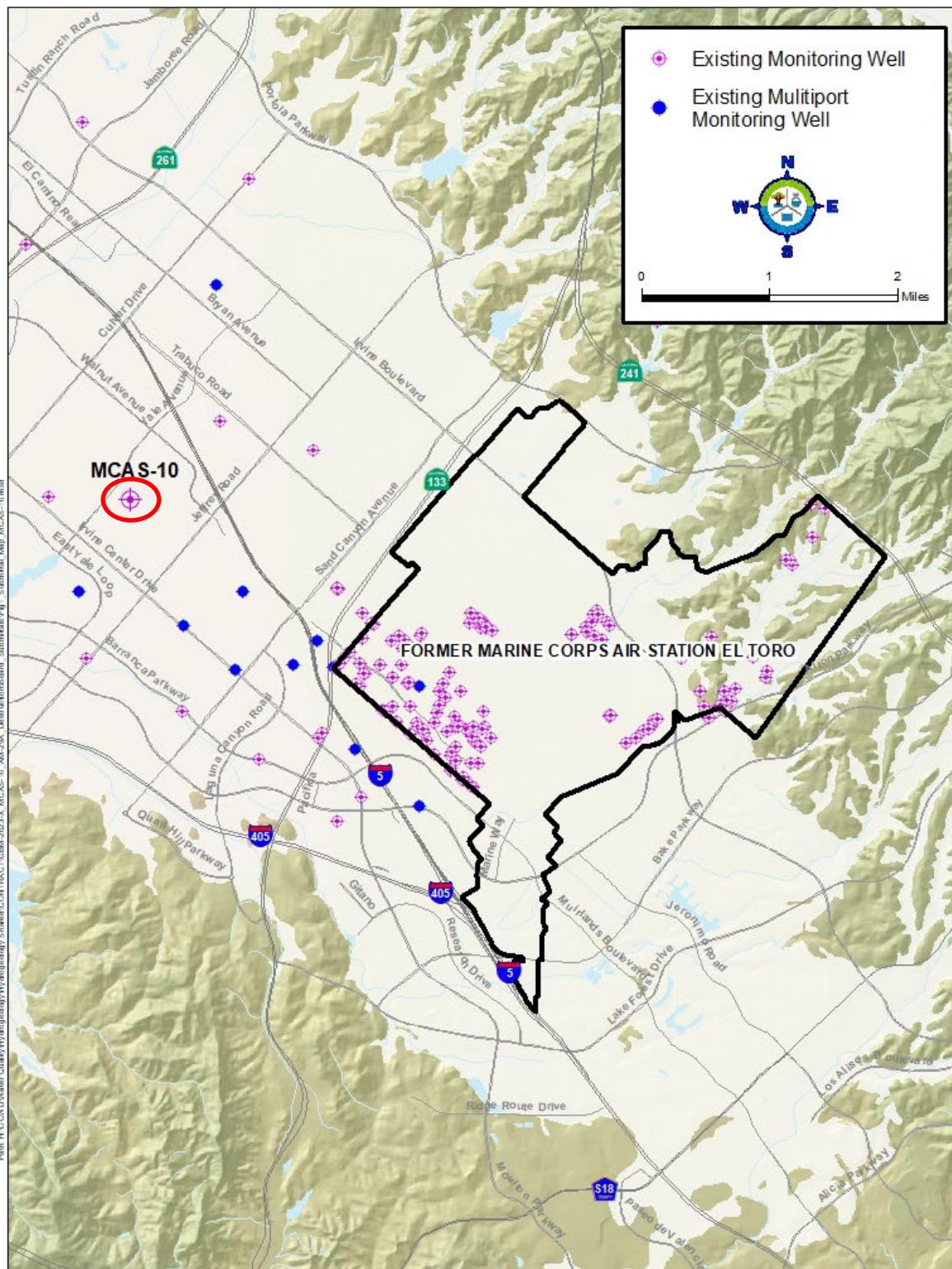


Figure 2: MCAS-10 Location





## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 11, 2024

**To:** Water Issues Committee  
Board of Directors

**From:** John Kennedy

**Staff Contact:** C. Olsen/R. Bouley

**Budgeted:** Yes

**Proposed Budget:** \$6,000,000

**Cost Estimate:** \$6,000,000

**Funding Source:** CIP

**Program/Line Item No.:** C23005

**General Counsel Approval:** Yes

**Engineers Report:** Completed

**CEQA Compliance:** Cat. Ex.

**Subject: CONTRACT NO. FUL-2024-1 FULLERTON WELL KIM 2 PFAS WATER TREATMENT PLANT ENGINEER'S REPORT, CATEGORICAL EXEMPTION, AND NOTICE INVITING BIDS**

### SUMMARY

The final plans and specifications for the City of Fullerton Well Kim 2 PFAS Water Treatment Plant (Kim 2) are complete. Staff recommends filing a Categorical Exemption for the project and issuing a Notice Inviting Bids for the construction contract.

Attachment: Engineer's Report for the City of Fullerton Wells Kim 2 and Sunclipse 10 PFAS Water Treatment Plant Project.

### RECOMMENDATION

#### RECOMMENDED BY COMMITTEE

Agendize for September 18 Board meeting:

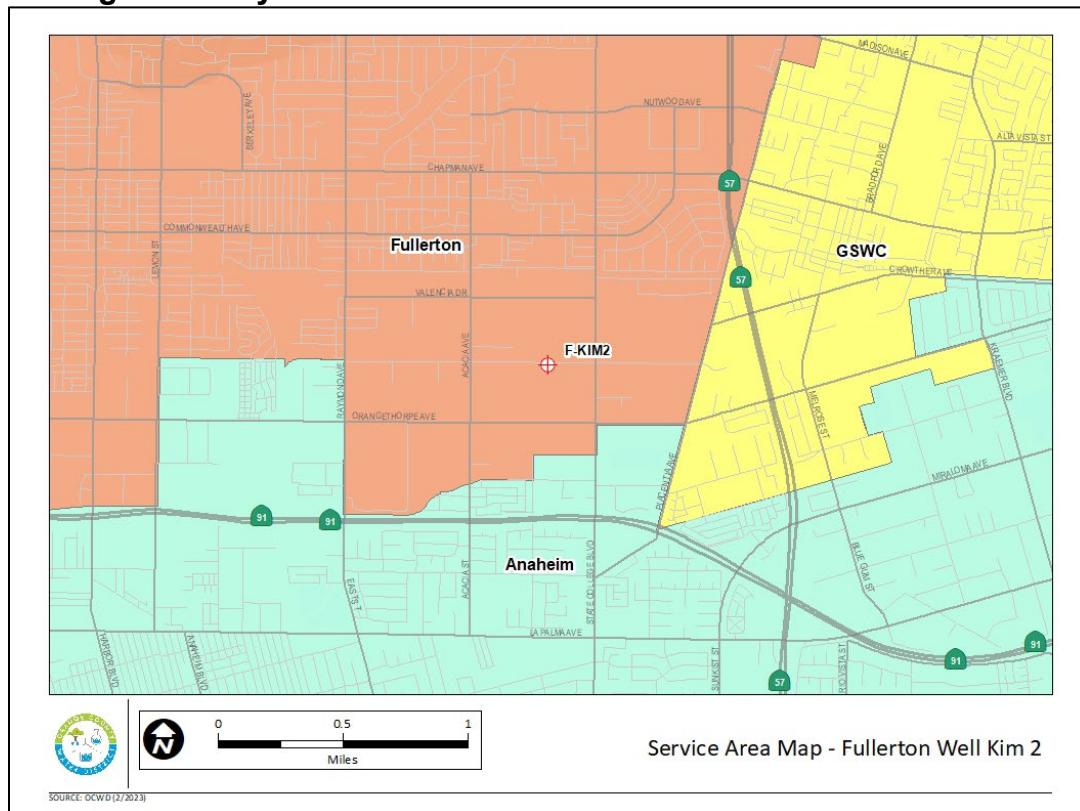
1. Approve the Engineer's Report for the city of Fullerton Wells Kim 2 and Sunclipse 10 PFAS Water Treatment Plant Project and determine the project feasible, necessary and beneficial to the lands of the District;
2. Authorize filing of a Categorical Exemption for the Fullerton Well Kim 2 PFAS Water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

### BACKGROUND/ANALYSIS

To restore the use of groundwater supplies impacted by PFAS contaminants with minimal delay, Tetra Tech began design of the Well Kim 2 PFAS treatment plant in June 2023. This treatment plant at the Kim 2 site will combine treatment for Kim 2 and Well Sunclipse 10. Due to site constraints at the Kim 2 site, 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 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 this site. Figure 1 shows the location of Kim 2:

**Figure 1: City of Fullerton Well Kim 2 PFAS Well Treatment Site**



Tetra Tech has completed design of the PFAS treatment plant for Kim 2. Review of the Kim 2 treatment plant is underway at the State Division of Drinking Water (DDW) in preparation for issuance of an amendment to Fullerton's Domestic Water Supply Permit.

The City of Fullerton Kim 2 PFAS Treatment Plant Project will include installing IX vessel systems and all pre-filtration, site piping, well modifications, removal of the existing booster pumps and wet well, electrical upgrades, and other appurtenances. Staff has determined that the Well Kim 2 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: Fullerton Well Kim 2 PFAS Treatment Schedule Summary**

Description	Date
Fullerton Well Kim 2	
Design	June 2023 – Aug 2024
DDW Permitting	Aug 2024 – April 2026
Construction Contract	Nov 2024 – April 2026

The Engineer's Report for the City of Fullerton Wells Kim 2 and Sunclipse 10 PFAS Water Treatment Plant Project has been written. Staff recommends approving the

Engineer's Report, authorizing the filing of a Categorical Exemption and authorizing Publication of the Notice Inviting Bids for Contract No. FUL-2024-1, Fullerton Well Kim 2 PFAS Water Treatment Plant.

**PRIOR RELEVANT BOARD ACTION(S)**

N/A



Backup materials for Committee items are available in the Committee packet.  
Materials distributed at Committee meetings are attached hereto

## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 12, 2024

**To:** Administration/Finance Issues Cte.  
Board of Directors

**From:** John Kennedy

**Staff Contact:** R. Fick/D. Swanson

**Budgeted:** N/A

**Budgeted Amount:** N/A

**Cost Estimate:** N/A

**Funding Source:** N/A

**Program/Line-Item No.:** N/A

**General Counsel Approval:** N/A

**Engineers Report:** N/A

**CEQA Compliance:** N/A

**Subject:** MONTHLY CASH CONTROL REPORTS

### SUMMARY

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

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 September 18 Board meeting: Receive and file Summary Cash and Cash Equivalents Control Reports dated August 31, 2024.

### PRIOR RELEVANT BOARD ACTIONS

Monthly



## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 12, 2024

**To:** Administration/Finance Issues Cte.  
Board of Directors

**From:** John Kennedy

**Staff Contact:** R. Fick/D. Swanson

**Budgeted:** N/A

**Budgeted Amount:** N/A

**Cost Estimate:** N/A

**Funding Source:** N/A

**Program/Line Item No:** N/A

**General Counsel Approval:** N/A

**Engineers/Feasibility Report:** N/A

**CEQA Compliance:** N/A

**Subject:** INVESTMENT PORTFOLIO HOLDINGS REPORTS

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### SUMMARY

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

Attachment: Investment Portfolio Holdings Reports dated August 31, 2024.

### RECOMMENDATION

#### **RECOMMENDED BY COMMITTEE**

Agendize for September 18 Board meeting: Receive and file the Investment Portfolio Holdings Reports dated August 31, 2024.

### BACKGROUND/ANALYSIS

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

Highlights of the current and previous report:

Description	Prior Month	Current Month
SWAP Value (in Citi's favor)	\$4,713,659	\$5,431,858
Required Collateral	None	None
Duration/Maturity	262 Days or 0.72 years	265 Days or 0.73 years
Rate of Return/Yield	3.605%	3.499%

- The yield on the one-year Treasury note as of the month end is at 4.38%; two-year at 3.91% and the five-year at 3.71%. The last Federal Open Market committee (FOMC) meeting was held on July 30-31, 2024. The FOMC kept the Federal fund rates steady at a 22-year high of 5.25% to 5.50%. This is the rate prime banks lend to each other.



Backup materials for Committee items are available in the Committee packet.  
Materials distributed at Committee meetings are attached hereto

## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 12, 2024

**To:** Administration/Finance Issues Cte.  
Board of Directors

**From:** John Kennedy

**Staff Contact:** M. Patel/D. Mansell

**Budgeted:** Yes

**Budgeted Amount:** \$593,000

**Cost Estimate:** \$135,777

**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**

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### SUMMARY

The reverse osmosis (RO) treatment process used in the Groundwater Replenishment System (GWRs) Advanced Water Purification Facility (AWFP) contains 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 September 18 Board meeting: Authorize issuance of Purchase Orders to purchase 36,400 pounds of AWC C-227 RO membrane cleaning chemical from American Water Chemicals, Inc. for \$135,777.

### 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, seven are experiencing signs of normal fouling due to the time since their last cleaning. 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 Operations staff anticipates the cleaning of all seven RO units to occur over the next two months. This will allow for those seven units to have clean membranes as we enter the most challenging part of the year which is the fall and winter period when feed water temperatures drop. This seasonal change in temperature also corresponds to a higher fouling potential for the GWRS membrane processes.

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. The total amount budgeted in the Water Production General Fund budget for fiscal year 2024-2025 is \$593,000. In order to clean remove the fouling experienced by the seven RO units in question a large purchase of the C-227 product is required. A total of 36,400 pounds of this chemical is required to fully clean the RO membranes in these seven units. 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 \$135,777.

**PRIOR RELEVANT BOARD ACTION(S) N/A**



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Materials distributed at Committee meetings are attached hereto

## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 12, 2024

**To:** Administration/Finance Issues Cte.  
Board of Directors

**From:** John Kennedy

**Staff Contact:** L. Haney/S. Parsons

**Budgeted:** Yes

**Budgeted Amount:** \$80,000

**Cost Estimate:** \$80,000

**Program/Line Item No.:** 1080.53015

**Funding Source:** General Fund

**General Counsel Approval:** N/A

**Project Report Approved:** N/A

**CEQA Compliance:** N/A

**Subject:** OCWD WEED ABATEMENT AND TRAIL MAINTENANCE SERVICES RFQ

### SUMMARY

Staff is requesting to issue a Request for Qualifications (RFQ) for on-call weed abatement and trail maintenance services to cover Prado Basin and the groundwater recharge facilities in Orange County.

Attachment: RFQ for On-Call Weed Abatement and Trail Maintenance Services (RFQ-24-001)

### RECOMMENDATION

#### **RECOMMENDED BY COMMITTEE**

Agendize for September 18 Board meeting: Authorize issuance of Request for Qualifications (RFQ) for on-call weed abatement and trail maintenance services at Prado Basin and other District facilities.

### BACKGROUND/ANALYSIS

Staff is recommending issuing an RFQ for weed abatement and trail maintenance on-call services in Prado Basin and at the District's mitigation sites in Orange County. The scope of services would include trail maintenance within Prado Basin and weed abatement in Prado Basin, Prado Wetlands Interpretive Garden, Burris Basin Island, and the Orange County recharge facilities. Upon completion of the RFQ process, staff will return with a recommendation to the Board for consideration.

### PRIOR RELEVANT BOARD ACTION(S)

N/A



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Materials distributed at Committee meetings are attached hereto

## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 12, 2024

**To:** Administration/Finance Issues Cte.  
Board of Directors

**From:** John Kennedy

**Staff Contact:** P. Versluis/J. Dadakis

**Budgeted:** Yes

**Budgeted Amount:** \$75,000

**Cost Estimate:** \$65,000

**Funding Source:** General Fund

**Program/ Line Item No.:** 1016.51501

**General Counsel Approval:** N/A

**Engineers/Feasibility Report:** N/A

**CEQA Compliance:** N/A

**SUBJECT: NJBSOFT SAMS WATER QUALITY SCHEDULING AND SAMPLING  
MANAGEMENT SOFTWARE PILOT**

### SUMMARY

To help manage the increasing number of District water quality monitoring programs, staff recommends a one-year pilot implementation of the cloud-based NJBSoft SAMS computer software system. The SAMS software supports automated scheduling of water quality sampling events, tracking of results, timely and accurate data reporting to end users, and permit compliance management. Other water agencies such as the Los Angeles Department of Water and Power (LADWP) and the Golden State Water Company (GSWC) have successfully adopted the SAMS software.

Attachment: NJBSoft SAMS Software as a Service Pilot Proposal: Dated 08/23/24

### RECOMMENDATION

#### **RECOMMENDED BY COMMITTEE**

Agendize for September 18 Board meeting: Approve and authorize execution of an Agreement with NJBSoft for an amount not to exceed \$65,000 for a pilot study of SAMS software for the Water Quality department commencing on September 30, 2024 through September 30, 2025.

### BACKGROUND/ANALYSIS

#### The Challenge

The District's Water Quality Department plans, coordinates, implements, and manages a wide variety of water quality monitoring programs. Many of these programs are required for compliance with state and federal regulations, such as recycled water permit compliance for the Groundwater Replenishment System (GWRs) and state Title 22 drinking water compliance monitoring for the Groundwater Producers' wells and per- and polyfluoroalkyl substances (PFAS) treatment systems. In addition, many other water quality programs are managed that monitor the quality of surface water sources and groundwater quality throughout the basin, such as coastal seawater intrusion monitoring, Santa Ana River recharge monitoring, and groundwater monitoring in areas with identified contamination (e.g.,

the North and South Basin areas).

The increasing number of monitoring programs and their complexity represents an ongoing challenge to the Water Quality Department. Currently, these programs are scheduled, managed, and tracked by knowledgeable and trained staff primarily using detailed and complex Microsoft Excel spreadsheets which must be revised and updated manually. Much of this manual work is necessitated by the lack of an integrated digital connection between these standalone spreadsheets and the District's Laboratory Information Management System (LIMS) and Water Resource Management System (WRMS) databases. The District's Philip L. Anthony Water Quality Laboratory analyzes around 20,000 samples per year via 400,000 separate analyses. Regulatory compliance monitoring and reporting for the Producers PFAS Treatment Systems now represents a significant component of the Water Quality Department's workload, with treatment facilities for 42 wells currently operational and 60 additional wells planned for treatment over the next five years to comply with the USEPA's PFAS drinking water standards adopted in April 2024. Confirmation that required monitoring and testing has been performed and ensuring regulatory compliance currently requires staff to manually review a tremendous volume of data and other information, a process which is subject to inevitable human error (e.g., missed sample collection, missed laboratory analysis, lost or mislabeled samples, data reporting errors, etc.).

#### Earlier Pilot Test of Klir Software

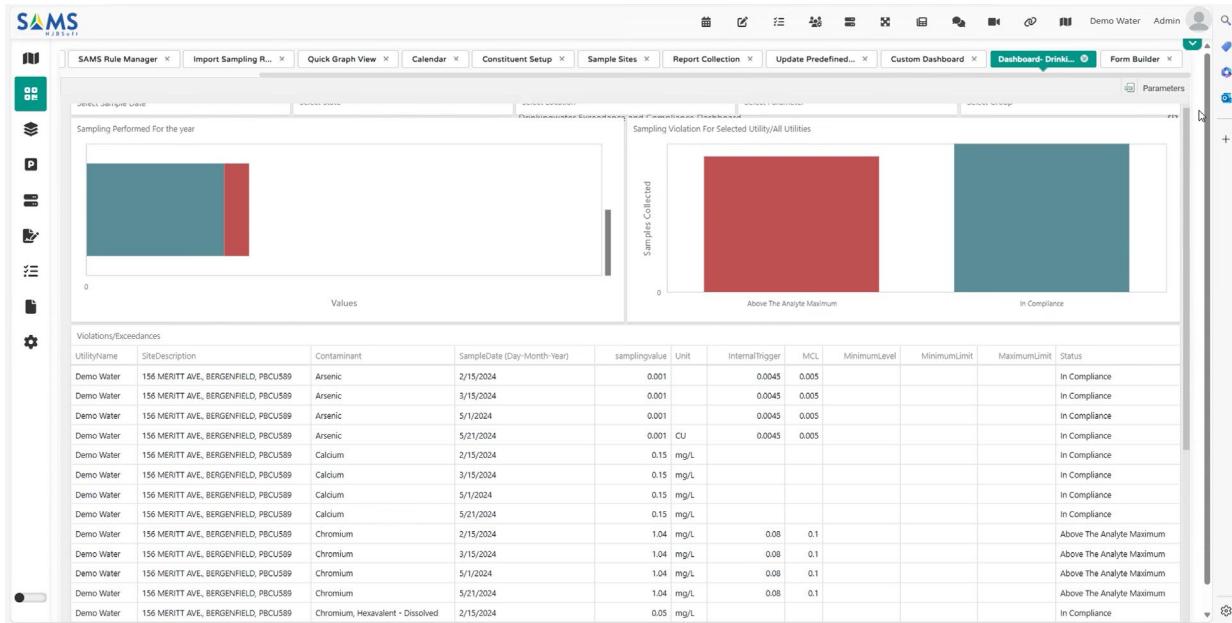
During the recently completed FY23-24, the Water Quality department conducted a contracted pilot test of the Klir Sampling Module. During the 12-month pilot, staff determined that Klir's capabilities and usability would not materially enhance the efficiency nor the accuracy of the department's monitoring program scheduling and sampling management activities. The District's agreement with Klir for the pilot test ended on June 30, 2024. Klir is in the process of enhancing the Sampling Module to improve its capabilities and usability, anticipating release of these changes during the 3<sup>rd</sup> and 4<sup>th</sup> quarter of 2024; staff have informally agreed to review and test these changes, but it is uncertain if they will best meet the needs of Water Quality Department. It should be noted that the Board approved a separate agreement with Klir in July 2024 for a three-year subscription for its distinct Comply permitting module for use by the Planning, Natural Resources, Hydrogeology, and Regulatory Affairs Departments.

#### NJBSOFT SAMS Software

After completing the contracted Klir software pilot, staff subsequently identified the NJBSOFT SAMS software as a potential alternative to meet the Water Quality Department's current needs. Like Klir, SAMS is a cloud-based system which is offered via the software as a service (SaaS) business model. However, SAMS offers greater customizability to tailor its functionality to the Water Quality Department's complex scheduling and specific monitoring program management needs. SaaS provides a software solution purchased on a pay-as-you-go basis (e.g., a monthly subscription or annual fee) and accessed via the Internet. General updates and improvements to the software are included in the subscription. SAMS offers a dashboard-type interface (see Dashboard figure below) for an instant view of sampling events and outcomes, allowing issues and trends to be spotted quickly. Monitoring program frequencies (e.g., weekly, monthly, quarterly, annual) can be entered into SAMS to generate automated initial monitoring schedules (see Scheduling Application figure below). SAMS can also be programmed to provide tracking of results and automated alerts when

water quality results exceed state or federal standards such as Maximum Contaminant Levels (MCLs), Notification Levels (NLs), and Response Levels (RLs) or other user-defined thresholds.

## SAMS Compliance Dashboard

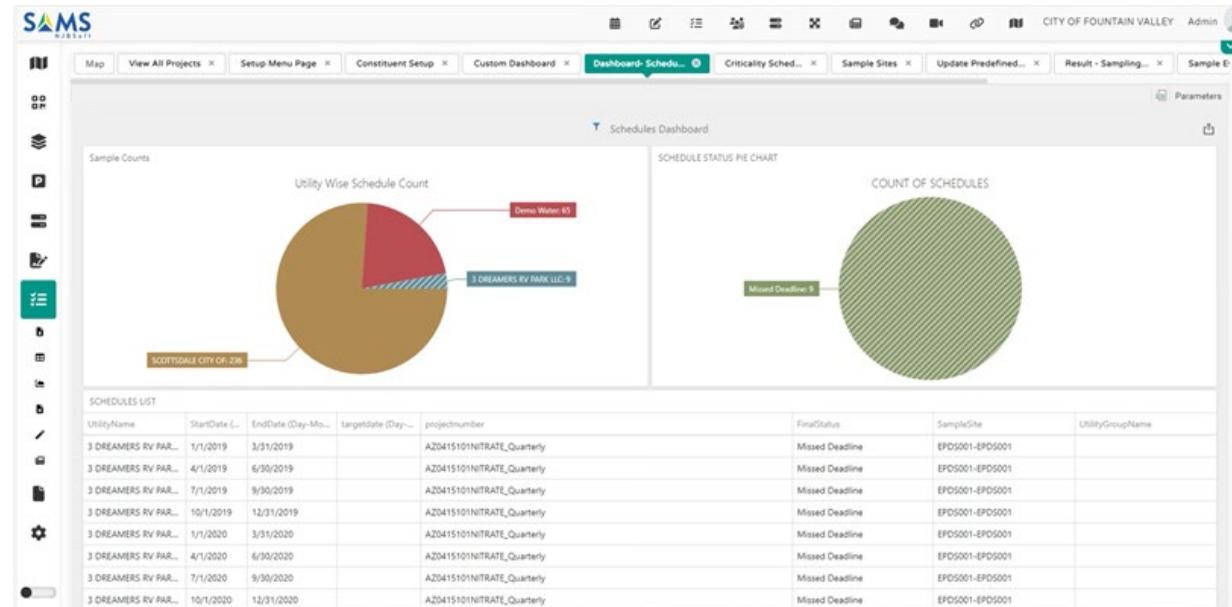


The screenshot shows the SAMS Compliance Dashboard interface. At the top, there is a navigation bar with various tabs: SAMS Rule Manager, Import Sampling R..., Quick Graph View, Calendar, Constituent Setup, Sample Sites, Report Collection, Update Predefined..., Custom Dashboard, Dashboard-Drink..., Form Builder, Demo Water, and Admin. On the left, there is a sidebar with icons for Home, Projects, Utilities, Sampling, Reports, and Help.

The main content area has two charts. The first chart, titled 'Sampling Performed for the year', is a stacked bar chart showing 'Samples Collected' (0 to 100) with two segments: a teal segment and a red segment. The second chart, titled 'Sampling Violation For Selected Utility/All Utilities', is a bar chart showing 'Samples Collected' (0 to 100) with two bars: a red bar labeled 'Above The Analyte Maximum' and a teal bar labeled 'In Compliance'.

Below the charts is a table titled 'Violations/Exceedances' with columns for UtilityName, SiteDescription, Contaminant, SampleDate, samplingvalue, Unit, InternalTrigger, MCL, MinimumLevel, MinimumLimit, MaximumLevel, MaximumLimit, and Status. The table lists various sampling events for 'Demo Water' at '156 MERITT AVE, BERGENFIELD, PBCU589' for different contaminants like Arsenic, Calcium, and Chromium, with status entries like 'In Compliance' and 'Above The Analyte Maximum'.

## SAMS Scheduling Dashboard



The screenshot shows the SAMS Scheduling Dashboard interface. At the top, there is a navigation bar with various tabs: Map, View All Projects, Setup Menu Page, Constituent Setup, Custom Dashboard, Dashboard-Sched..., Criticality Sched..., Sample Sites, Update Predefined..., Result - Sampling..., Sample E..., and Admin. On the left, there is a sidebar with icons for Home, Projects, Utilities, Sampling, Reports, and Help.

The main content area features three charts. The first chart, 'Utility Wise Schedule Count', is a pie chart showing the distribution of schedules across different utilities. The second chart, 'SCHEDULE STATUS PIE CHART', is a pie chart showing the status of schedules. The third chart, 'COUNT OF SCHEDULES', is a large green circle.

Below the charts is a table titled 'SCHEDULES LIST' with columns for UtilityName, StartDate, EndDate, TargetDate, projectnumber, FinalStatus, SampleSite, and UtilityGroupName. The table lists several scheduled tasks for different utilities like '3 DREAMERS RV PARK LLC' and 'SCOTTSDALE CITY OF 206'.

Notably, SAMS has been successfully deployed by other water agencies such as the Los Angeles Department of Water and Power (LADWP) and the Golden State Water Company (GSWC). District staff have spoken with representatives from each of these agencies about

their experience with the SAMS software and customer service, receiving consistently positive feedback. These positive references and the effective functional demonstrations provided by NJBSsoft have informed staff's desire to undertake the SAMS pilot project. To confirm that SAMS can reliably meet the District's needs, staff recommends a one-year pilot subscription. Staff have also identified the compliance monitoring programs for three systems for initial trialing within SAMS: GWRS Treatment Facility, City of Orange, and GSWC's Placentia/Yorba Linda system. Staff have negotiated one-year trial pricing for SAMS of \$65,000, which is comprised of a \$30,000 one-time Implementation Fee and a \$35,000 annual Subscription Fee for the three identified monitoring programs. Should the District wish to continue its subscription to SAMS for these three programs after the one-year pilot, it would only be charged the annual Subscription Fee for them going forward.

### **PRIOR RELEVANT BOARD ACTION(S)**

7/17/24, R24-7-87: Approve and authorize the execution of Klir Comply Software Solution Contract effective July 15, 2024, through July 30, 2027, for a 3-year total cost of \$195,000

10/18/23, R23-10-144: Authorize amendment to agreement with KLIR for a Pilot Study for the Planning and Natural Resources Department.

6/21/23, R23-6-84: Authorized issuance of agreement to KLIR for a Pilot Study for Water Quality Department Software.



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## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 12, 2024

**To:** Administration/Finance Issues Cte.  
Board of Directors

**From:** John Kennedy

**Staff Contact:** R. Fick/M. Wu

**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:** **REQUEST FOR PROPOSALS FOR UTILITY BILL AUDIT AND COST REDUCTION SERVICES**

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### SUMMARY

The District spent about \$27 million on utilities in fiscal year 2023-24. The District is proactive in managing these costs; however, firms exist that specialize in finding utility cost savings. Staff recommends issuing an (Request for Proposals) RFP to ultimately hire a specialty audit firm to audit the District's utility bills and identify any overpayments or future cost reductions related to utilities.

Attachment(s): RFP for Utility Bill Audit and Cost Reduction Services for OCWD (RFP-24-003

### RECOMMENDATION

#### **RECOMMENDED BY COMMITTEE**

Agendize for the September 18 Board meeting: Authorize issuance of Request for Proposals (RFP) for Utility Bill Audit and Cost Reduction Services for OCWD.

### BACKGROUND

The District spent about \$27 million on utilities in FY 2023-24. To insure the District has not overpaid or is not missing opportunities to further reduce costs, staff recommends the use of a specialty audit firm to review/audit the District's utility costs. The District's utility providers of record are:

Electricity – Southern California Edison, Constellation, & City of Anaheim

Demand Response – Enel X

Natural Gas – SoCal Gas

Water – Cities of Anaheim, Fountain Valley, Santa Ana, Orange & Huntington Beach

The selected firm would analyze the District's utility contracts/arrangements, billing rates, service history, etc. The review period shall cover the maximum period that refunds can be obtained as far back as allowed by law and regulation. Also, the firm

would identify cost reduction items that result in no refund but reduce future costs. Examples of future cost reductions would include a review of alternative rate schedules, reducing peak demand, ensure the low cost providers are being utilized, only services used are being paid for, etc. In exchange for identifying any savings, the selected firm would be compensated on a percentage of revenue/savings to be determined via the RFP process. Staff will return with a recommendation to the Board for consideration upon completion of the RFP process

The schedule for the Requests for Proposal for utility audit and cost reduction services is as follows:

RFP Issued	September 19, 2024
Pre-Proposal Meeting (optional or mandatory)	NA
Questions Due Date	October 7, 2024 at 12:00PM PT
OCWD Addendum/QA Response Date, if any	October 14, 2024 at 3:00PM PT
Proposals Due	October 17, 2024 at 12:00PM PT
Agreement Award Date:	November 2024

**PRIOR RELEVANT BOARD ACTION(S) N/A**



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## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 12, 2024

**To:** Administration/Finance Issues Cte.  
Board of Directors

**From:** John Kennedy

**Staff Contact:** M. Patel

**Budgeted:** Yes

**Budgeted Amount:** \$700,000

**Cost Estimate:** \$79,946

**Funding Source:** R&R

**Program/Line Item No.** R24007

**General Counsel Approval:** N/A

**Engineers/Feasibility Report:** N/A

**CEQA Compliance:** N/A

**Subject:** **AUTHORIZE PURCHASE ORDER TO BENDER/CCP FOR REPAIR OF MICROFILTRATION BACKWASH WASTE PUMP B03**

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## SUMMARY

The microfiltration (MF) treatment process used in the Groundwater Replenishment System (GWRs) Advanced Water Purification Facility (AWFP) contains eight, sixty horsepower vertical turbine pumps used to remove backwash waste flows from a deep wetwell. Recently MF backwash waste pump A02 failed suddenly and upon inspection was found to have a broken shaft as well as other damage requiring repairs. The MF backwash waste pump B03 was sent out for emergency repairs performed by Bender/CCP.

## RECOMMENDATION

### RECOMMENDED BY COMMITTEE

Agendize for September 18 Board meeting: Authorize issuance of a purchase order to Bender/CCP in the amount of \$79,946 for repair of microfiltration backwash waste pump B03.

## BACKGROUND/ANALYSIS

The GWRs MF treatment facility consists of forty-eight individual units or cells with each containing six hundred eighty-four MF membranes. Each cell is operated to backwash every twenty-two minutes to remove a fouling layer from the membranes that accumulates as they filter water. The waste stream generated upon completion of the backwash process in an individual cell is then discharged via gravity to a below grade wetwell located in the MF basement facility. The MF backwash waste flows accumulate in the wetwell and then are pumped out for discharge to the Orange County Sanitation District's (OC San) Plant No.1 facility. Specifically, the flows are discharged to the OC San primary clarification process where it then becomes part of the eventual feed supply to the GWRs. The pumps within the wet-well are sixty horsepower vertical turbine style manufactured by Wehr-Floway. One of those pumps known as B03 suddenly failed in August 2024. The pump was removed and inspected by staff. The pump was found to have significant damage, including the center shaft having broken free from the main impeller section. The MF backwash waste pumps are crucial to keeping production levels up for the MF system. Pump B03 was sent out for emergency

repairs to Bender/CCP who had availability to perform the work in an expedited manner. Upon a more detailed inspection at the Bender/CCP facility there was found to be additional damage including damaged seals and factory coating. Staff suspect the damage was caused by debris left within the backwash waste wetwell by the GWRS Final Expansion construction contractor as well as possible misalignment of the pump's mounting plate. This is similar to the damage also recently found on Pump A02 in July 2024. Pump B03 was installed as part of the original GWRS project and has been in service since 2008. Part of the repairs will include replacement of key components to ensure a complete refurbishment that will prolong the life of the pump. The pump's soleplate will also be re-machined to ensure pump alignment remains within factory recommended tolerances.

Staff recommends approval of a purchase order to Bender/CCP in the amount of \$79,946 to repair MF backwash waste pump B03 using funds from the current R&R fund R24007. The R&R fund R24007 is set up to cover unforeseen large cost repairs or replacement of equipment within the GWRS, Green Acres Project, and Fountain Valley building campus.

**PRIOR RELEVANT BOARD ACTION(S)** N/A



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Materials distributed at Committee meetings are attached hereto

## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 12, 2024

**To:** Administration/Finance Issues Cte.  
Board of Directors

**From:** John Kennedy

**Staff Contact:** M. Patel

**Budgeted:** Yes

**Budgeted Amount:** \$700,000

**Cost Estimate:** \$88,989

**Funding Source:** R&R

**Program/Line Item No.** R24007

**General Counsel Approval:** N/A

**Engineers/Feasibility Report:** N/A

**CEQA Compliance:** N/A

**Subject:** **AUTHORIZE PURCHASE ORDER TO DXP ENTERPRISES FOR REPAIR OF MICROFILTRATION BACKWASH WASTE PUMP A02**

---

## SUMMARY

The microfiltration (MF) treatment process used in the Groundwater Replenishment System (GWRs) Advanced Water Purification Facility (AWFP) contains eight, sixty horsepower vertical turbine pumps used to remove backwash waste flows from a deep wetwell. Recently MF backwash waste pump A02 failed suddenly and upon inspection was found to have a broken shaft as well as other damage requiring repairs. The MF backwash waste pump A02 was sent out for emergency repairs performed by DXP Enterprises, Inc.

## RECOMMENDATION

### RECOMMENDED BY COMMITTEE

Agendize for September 18 Board meeting: Authorize issuance of a purchase order to DXP Enterprises, Inc. in the amount of \$88,989 for repair of microfiltration backwash waste pump A02.

## BACKGROUND/ANALYSIS

The GWRs MF treatment facility consists of forty-eight individual units or cells with each containing six hundred eighty-four MF membranes. Each cell is operated to backwash every twenty-two minutes to remove a fouling layer from the membranes that accumulates as they filter water. The waste stream generated upon completion of the backwash process in an individual cell is then discharged via gravity to a below grade wetwell located in the MF basement facility. The MF backwash waste flows accumulate in the wetwell and then are pumped out for discharge to the Orange County Sanitation District's (OC San) Plant No.1 facility. Specifically, the flows are discharged to the OC San primary clarification process where it then becomes part of the eventual feed supply to the GWRs. The pumps within the wet-well are sixty horsepower vertical turbine style manufactured by Wehr-Floway. One of those pumps known as A02 suddenly failed in July 2024. The pump was removed and inspected by staff. The pump was found to have significant damage, including the center shaft having broke free from the main impeller section. The MF backwash waste pumps are crucial

to keeping production levels up for the MF system. Pump A02 was sent out for emergency repairs to DXP Enterprises, Inc. who had availability to perform in an expedited manner. Upon a more detailed inspection at the DXP facility there was found to be additional damage including damaged seals, factory coating, and impeller. Staff suspect the damage was caused by debris left within the backwash waste wetwell by the GWRS Final Expansion construction contractor as well as possible misalignment of the pump's mounting plate. Pump A02 was installed as part of the original GWRS project and has been in service since 2008. Part of the repairs will include replacement of key components to ensure a complete refurbishment that will prolong the life of the pump. The pump's soleplate will also be re-machined to ensure pump alignment remains within factory recommended tolerances.

Staff recommends approval of a purchase order to DXP Enterprises, Inc in the amount of \$88,989 to repair MF backwash waste pump A02 using funds from the current R&R fund R24007. The R&R fund R24007 is set up to cover unforeseen large cost repairs or replacement of equipment within the GWRS, Green Acres Project, and Fountain Valley building campus.

**PRIOR RELEVANT BOARD ACTION(S) N/A**



## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 12, 2024

**To:** Administration/Finance Issues Cte  
Board of Directors

**From:** John Kennedy

**Staff Contact:** M. Patel

**Budgeted:** Yes

**Budgeted Amount:** \$700,000

**Cost Estimate:** \$119,440

**Funding Source:** R&R

**Program/ Line Item No.** R24007

**General Counsel Approval:** NA

**Engineers/Feasibility Report:** N/A

**CEQA Compliance:** N/A

**Subject:** PURCHASE THREE GOULDS HEAVY DUTY SLURRY PUMPS FOR  
GWRS POST TREATMENT SYSTEM FROM CHARLES P. CROWLEY  
COMPANY

### SUMMARY

The Groundwater Replenishment System (GWRS) post treatment system is designed to add calcium hydroxide (hydrated lime or lime) to the final product water to chemically balance it before distribution to the Talbert Seawater Intrusion Barrier, Mid Basin Injection well field and groundwater recharge basins. A key component of the post treatment system is the generation and distribution of lime slurry which is then settled to form a chemical solution that is added to the GWRS final product water. Three of the existing four lime slurry distribution pumps are failing and in need of replacement. The fourth pump was previously replaced.

Attachment: Charles P. Crowley Quotation dated August 9, 2024

### RECOMMENDATION

#### RECOMMENDED BY COMMITTEE

Agendize for September 18 Board meeting: Authorize a purchase order to Charles P. Crowley Company for three Goulds Model JC1J heavy duty slurry pumps for the GWRS post treatment system for an amount not to exceed \$119,440.

### BACKGROUND/ANALYSIS

The GWRS post treatment system is used to balance the final product water chemistry to prevent corrosion of distribution pipelines and injection well equipment due to the ultrapure nature of the water following reverse osmosis treatment. A chemical known as hydrated lime is used to add mineral content back into the final product water to produce a balanced pH between 8 and 9. The hydrated lime chemical comes in powder form and must be made into a slurry by adding reverse osmosis product water. The slurry is then pumped to three saturators or clarifiers to further refine the hydrated lime concentration before it is added to the GWRS final product water. As part of the GWRS Initial Expansion project completed in 2015 a new hydrated lime generated and addition

system was installed. This system is known as the Tekkem and was supplied by RDP Technologies.

A key component to the Tekkem system is four large slurry pumps that are used to pump the thickened lime slurry to the saturators for settling. The high solids nature of the lime slurry makes it difficult to pump and can degrade the slurry pumps seals and key components quickly. The four original slurry pumps provided by RDP Technologies have worked well but often leak due to a wearing out of the pumps packing seals. This issue causes frequent maintenance to adjust and add packing material on a fairly regular basis. In addition, the process of adding the packing material involves a working in a tight area where the pumps are mounted causing ergonomic safety concerns for plant staff.

In response to these issues, staff trialed a new style slurry pump that requires no periodic packing addition with easier maintenance and less leaks. The new style pump was trialed for a year to prove that it could handle the lime slurry without any seal failures. Recently of the three remaining slurry pumps, one has now started showing signs of failure. In response, staff is now ready to replace all three remaining slurry pumps with the new style pump that was trialed and later installed. The pumps have a long lead time and placing an order now ensures they can be delivered and installed before further failures occur to the remaining three original slurry pumps. This new style pump is a heavy-duty hard metal slurry pump from ITT Goulds known as a Model JC1J. Staff recommends purchase of three ITT Goulds Model JC1J pumps using R&R funding account R24007 in the amount of \$119,440 to replace the three existing original slurry pumps. The R&R fund R24007 is set up to cover unforeseen large cost repairs or replacement of equipment within the GWRS, Green Acres Project, and Fountain Valley building campus.

**PRIOR RELEVANT BOARD ACTION(S) N/A**



## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 12, 2024

**To:** Administration/Finance Issues Cte.  
Board of Directors

**From:** John Kennedy

**Staff Contact:** R. Fick/M. Ochoa

**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: BUDGET TO ACTUAL REPORT FOR THE FOURTH QUARTER FY 2023-24**

### SUMMARY

Attached is a copy of the Budget to Actual Report for the fourth quarter year-to-date fiscal year 2023-24. General Fund operations expenditures are \$7 million less than the revised annual budget. Replacement & Refurbishments are \$6 million less than the revised budget.

### Attachments:

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

### RECOMMENDATION

#### RECOMMENDED BY COMMITTEE

Agendize for September 18 Board meeting: Receive and file the Budget to Actual Report for the Fourth Quarter of Fiscal Year 2023-24 ending June 30, 2024.

### BACKGROUND/ANALYSIS

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

#### General Fund

Total General Fund costs are \$7 million lower than budget due to lower than planned expenses in the Water Production, Forebay, IS, R&D and Hydrogeology departments for the fiscal year ending June 30, 2024. Specific details on the expense categories that make up this variance can be found in the footnotes to the reports in attachments B and C.

## **Replacement & Refurbishment**

Replacement & Refurbishment expenses are \$6 million lower than planned, primarily due to \$1.5 million for the Replacement of PVC piping system in the RO Clean in Place System did not begin work this fiscal year. Also, the Santiago Floating Pump Station refurbishment is \$3.2 million lower than the annual budget. The project completed the bid repair work and work will carry into FY24-25.

## **Revenue Summary**

For fiscal year ending June 30, 2024, the district received \$4.4 million more than planned Basin Equity Assessments due to various pumpers given a lower BEA by \$200/af to incentivize additional pumping. In addition, the District received \$3.5 million more than planned in property tax revenues and \$7.4 million in investment revenues as a result of the increase in short-term investment rates.

**PRIOR RELEVANT BOARD ACTION(S):** Quarterly



Backup materials for Committee items are available in the Committee packet.  
Materials distributed at Committee meetings are attached hereto

## AGENDA ITEM SUBMITTAL

**Meeting Date:** September 12, 2024

**To:** Administration/Finance Issues Cte.  
Board of Directors

**From:** John Kennedy

**Staff Contact:** R. Fick/C. Olsen

**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

### **Subject: PRODUCERS WELL CONSTRUCTION LOAN PROGRAM**

#### **SUMMARY**

At the July Administrative and Finance Issues Committee Meeting, staff presented a possible Producer Well Construction Loan Program. Board direction was received to proceed with Producer discussions which led to several Producers expressing interest in the program. Staff recommends implementing the program and having legal counsel prepare an appropriate agreement. Individual agreements with interested Producers seeking a loan would be brought to the Board for consideration.

#### **RECOMMENDATION**

##### **RECOMMENDED BY COMMITTEE**

Agendize for September 18 Board meeting: Implement a Producers Well Construction Loan Program and authorize legal counsel to prepare an appropriate agreement

#### **BACKGROUND/ANALYSIS**

As described in the July Committee submittal, the 19 Groundwater Producers comprise 13 cities, 5 retail water districts, and one investor owned water utility. Each Producer operates a unique retail water utility system that has evolved over the decades depending upon the management priorities. Some Producers have constructed enough wells over the years to provide sufficient pumping capacity to pump 100 percent of their water demands. Other Producers have not made those types of investments. They can at times struggle to pump up to the current 85 percent Basin Production Percentage (BPP), especially if they have a well experiencing any operational or water quality issues.

It has been a fundamental management goal of the District that each Groundwater Producer can pump up to the BPP wherever it is established. This goal is part of the District's overall management philosophy that all Producers should be treated the same with equal access to the groundwater basin. The District charges the same Replenishment Assessment (RA) to each Producer and each Producer currently has the same BPP. Under this philosophy, each Producer has the same water supply cost and water reliability, and no Producer feels they are operating at a disadvantage to others within the OCWD. To always achieve the BPP goal, Producers need excess

pumping capacity for years when a well or wells may require maintenance or be turned off due to a water quality issue. Additionally, it is generally good for Producers to have the ability to pump 100% of their water needs.

Maximizing and ensuring groundwater pumping is relatively stable obviously benefits the District by ensuring RA revenues are predictable and steady. Additionally, excess groundwater production capacity can be utilized in different District basin management programs.

Priority in this recommended loan program would be given to new well construction that gives the Producer the ability to reach a 100% BPP. Each application would come to the Board for consideration. The loan term would be up to 30 years which is based on the State Revolving Fund Loan Program.

Staff polled the Producers who weren't already capable of pumping 100% groundwater and several Producers including Buena Park, Fullerton, Huntington Beach, Newport Beach, Santa Ana, Seal Beach, Tustin, and Yorba Linda Water District have expressed interest in this loan program. In July, staff estimated there could be approximately 15 new Producer wells taking advantage of this program. However, after polling the Producers, staff believes the number of wells could be lower.

In general, if a Producer were paying for the construction of a new well, the funding options may include issuing bonds, accumulating money from annual revenues – PAYGO, or borrowing money from emergency reserves (which would have to be repaid). Additionally, the Producer would most likely seek grant funding opportunities to reduce the cost impact. Constructing a new well could involve delaying other capital projects to offset the cost. A District loan program would benefit Producers by being less expensive, allows the cost to be spread over 30-years, and the loan would be quicker to obtain versus potentially issuing debt or seeking grants. With this scenario, a Producer would be able to use a District loan for a new well with the repayment over time and not have to delay a CIP project that is in their current five- or ten-year program. From a timing aspect, the District loan agreement would be a simplistic process which allows new well construction and groundwater pumping to occur sooner for the Producer.

Previously it was discussed that OCWD funding source options could be increasing the RA, lowering reserves to fund a portion of the wells, accessing the Commercial Paper (CP) Program, or a combination of the three options. Given the fact that District reserves are strong, using reserves and having a maximum of two new wells per year being constructed, the funding for the first two wells is readily available. Increasing the RA to replenish the initial reserve draw in year one of the Producer Well Loan Program could begin in subsequent years. This program would have to be closely monitored to ensure there is no negative impact on the District's AAA credit rating.

Next steps involve developing an agreement which would contain the loan program terms and conditions. Staff recommends implementing the program and authorizing legal counsel to prepare an agreement for a Producer Well Construction Loan Program.

## **PRIOR RELEVANT BOARD ACTION(S)**

7/17/24: M24-73 Direct staff to proceed with Producer discussions regarding a possible Producers well construction loan program.







# SAWPA

## SANTA ANA WATERSHED PROJECT AUTHORITY

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

Meeting Access Via Computer (Zoom):	Meeting Access Via Telephone:
• <a href="https://sawpa.zoom.us/j/81434126530">https://sawpa.zoom.us/j/81434126530</a>	• 1 (669) 900-6833
• Meeting ID: 814 3412 6530	• Meeting ID: 814 3412 6530

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

## REGULAR COMMISSION MEETING TUESDAY, SEPTEMBER 17, 2024 – 9:30 A.M.

### AGENDA

1. **CALL TO ORDER/PLEDGE OF ALLEGIANCE** (Bruce Whitaker, Chair)
2. **ROLL CALL**
3. **PUBLIC COMMENTS**

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

Members of the public may make comments in-person or electronically for the Commissions' consideration by sending them to [publiccomment@sawpa.gov](mailto:publiccomment@sawpa.gov) with the subject line "Public Comment". Submit your electronic comments by 5:00 p.m. on Monday, September 16, 2024. All public comments will be provided to the Chair and may be read into the record or compiled as part of the record. Individuals have a limit of three (3) minutes to make comments and will have the opportunity when called upon by the Commission.

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

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

5. **CONSENT CALENDAR**

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

- A. **APPROVAL OF MEETING MINUTES: SEPTEMBER 3, 2024**

**Recommendation:** Approve as posted.

- B. **2025 MEDICAL INSURANCE CAP (CM#2024.51)**

**Recommendation:** To direct staff to adjust the medical insurance cap from \$2,057.56 to \$2,168.93, which is equal to the ACWA/JPIA 2025 Kaiser Family Plan rate.

6. **WORKSHOP DISCUSSION AGENDA**

- A. **LEGISLATIVE REPORT**

**Presenter:** Michael Boccadoro and Beth Olhasso, West Coast Advisors

**Recommendation:** Receive and file.

**7. NEW BUSINESS**

**A. SANTA ANA RIVER TRAIL AND PARKWAY UPDATE (CM#2024.52)**

Presenter: Ian Achimore

Recommendation: Receive and file.

**8. INFORMATIONAL REPORTS**

Recommendation: Receive for information.

**A. CASH TRANSACTIONS REPORT – JULY 2024**

Presenter: Karen Williams

**B. INTER-FUND BORROWING – JULY 2024 (CM#2024.53)**

Presenter: Karen Williams

**C. PERFORMANCE INDICATORS/FINANCIAL REPORTING – JULY 2024 (CM#2024.54)**

Presenter: Karen Williams

**D. FOURTH QUARTER FYE 2024 EXPENSE REPORT**

- General Manager
- Staff

Presenter: Karen Williams

**E. BUDGET VS ACTUAL VARIANCE REPORT FYE 2024 FOURTH QUARTER – JUNE 30, 2024 (CM#2024.55)**

Presenter: Karen Williams

**F. FINANCIAL REPORT FOR THE FOURTH QUARTER ENDING JUNE 30, 2024**

Presenter: Karen Williams

**G. STATE LEGISLATIVE REPORT**

Presenter: Jeff Mosher

**H. GENERAL MANAGER REPORT**

Presenter: Jeff Mosher

**I. CHAIR'S COMMENTS/REPORT**

**J. COMMISSIONERS' COMMENTS**

**K. COMMISSIONERS' REQUEST FOR FUTURE AGENDA ITEMS**

**9. CLOSED SESSION**

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

**10. 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](mailto: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](http://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 September 12, 2024, a copy of this agenda has been uploaded to the SAWPA website at [www.sawpa.gov](http://www.sawpa.gov) and posted at SAWPA's office at 11615 Sterling Avenue, Riverside, California.

## 2024 SAWPA Commission Meetings/Events

First and Third Tuesday of the Month

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

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

## 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.)

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



# WATER RESOURCES SUMMARY

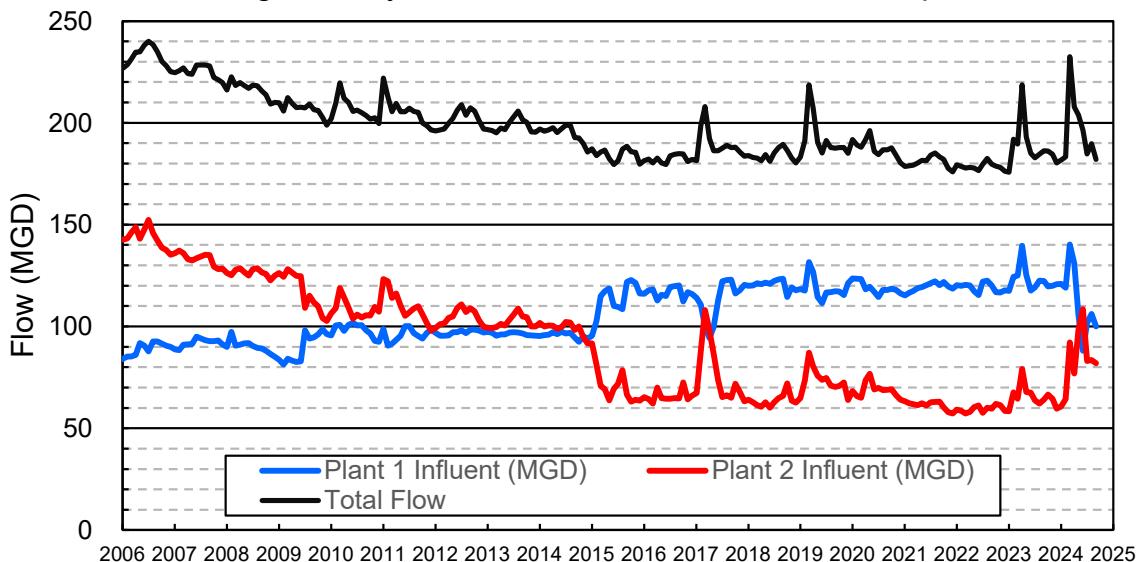
August 2024

INFLOWS & OUTFLOWS (acre-feet)	Total for Month	Year to Date -	
		This Year	Last Year
<b>BASIN SUPPLIES</b>			
Water Purchases from MWD (excludes In Lieu)	0	0	0
Water into MWD Storage Account (excludes In Lieu)	0	0	0
SAR & Santiago Creek Flows (accounts for storage to/from recharge facilities)	6,328	15,958	25,904
GWRS Water to Forebay	6,261	11,897	14,829
GWRS Water to Mid-Basin Injection Wells	684	1,367	1,191
GWRS Water to Talbert Barrier	1,674	3,320	3,301
OC-44 and F. Valley Water to Talbert Barrier	0	0	0
Alamitos Barrier Water	221	448	412
Incidental Recharge (estimated)	1,200	2,400	3,200
Evaporation from Recharge Basins	(305)	(721)	(914)
River Flow Lost to Ocean	<u>0</u>	<u>0</u>	<u>(359)</u>
Total Groundwater Recharge	16,062	34,670	47,564
<b>WATER PRODUCTION</b>			
Groundwater Production	28,955	56,827	54,828
MWD Storage Program Withdrawals	<u>0</u>	<u>0</u>	<u>0</u>
Total Groundwater Production	28,955	56,827	54,828
<b>BASIN BALANCE</b>			
Change in Groundwater Storage	(12,893)	(22,158)	(7,264)
Change in Groundwater Storage excluding MWD Stored Water	(12,893)	(22,158)	(7,264)
Accumulated Overdraft	-----	142,325	193,218
Accumulated Overdraft excluding MWD Storage	-----	142,325	193,218
<b>IN LIEU WATER</b>			
OCWD In Lieu Purchases (MWD Cyclic Storage)	0	0	0
MWD In Lieu Storage	<u>0</u>	<u>0</u>	<u>0</u>
Total In Lieu	0	0	0
<b>OTHER KEY INFORMATION</b>			
1. MWD Water Deliveries to Producers	5,947	12,362	13,869
2. Basin Production Percentage	83.0%	82.1%	79.8%
3. Total Water Demand	36,998	73,489	72,601
4. Total GWRS Production	8,625	16,600	19,340
5. Green Acres Project Water	507	1,121	843
6. SAR Water Quality			
- Total Dissolved Solids (TDS) of SAR below Prado Dam (ppm)	720	-----	324
- Total Nitrogen of SAR below Prado Dam (ppm)	4.3	-----	0.4
7. Month-End Water Storage Behind Prado Dam	1	-----	5,578
8. Month-End Water Storage in Recharge Facilities	12,586	-----	18,776
9. Water Storage Change in Recharge Facilities	(1,946)	(5,896)	(2,474)
10. Total Artificial Recharge	14,862	32,270	44,367
11. Monthly Mean Temperature at Santa Ana Fire Station (°F)	75.5	-----	76.5
12. Rainfall at FHQ (inches)	0.00	0.00	2.59

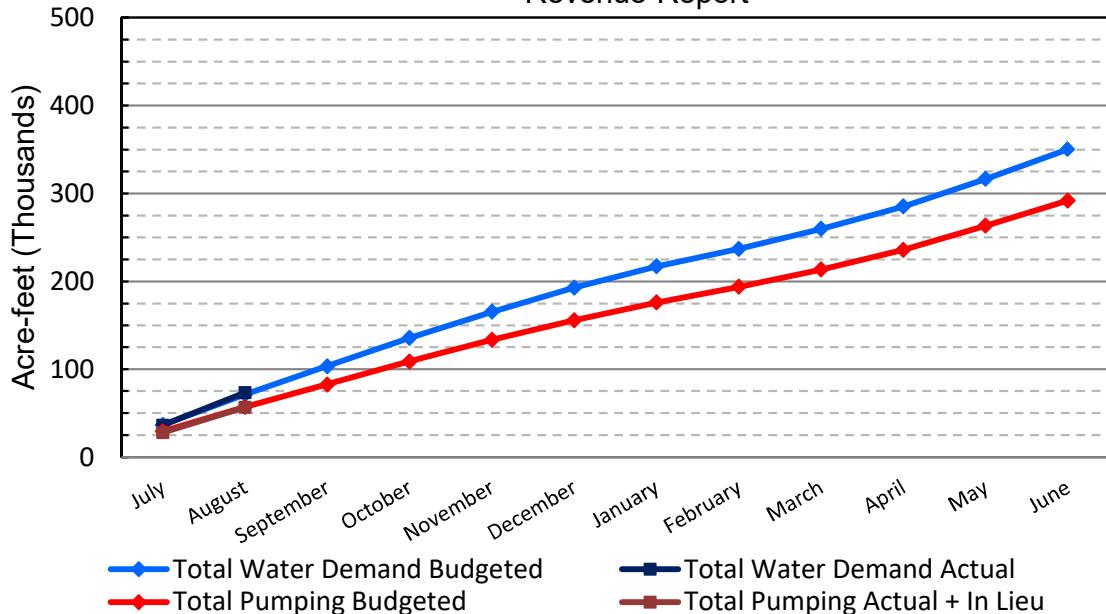
\*\*\* Note: Data are preliminary, subject to change

9/12/2024

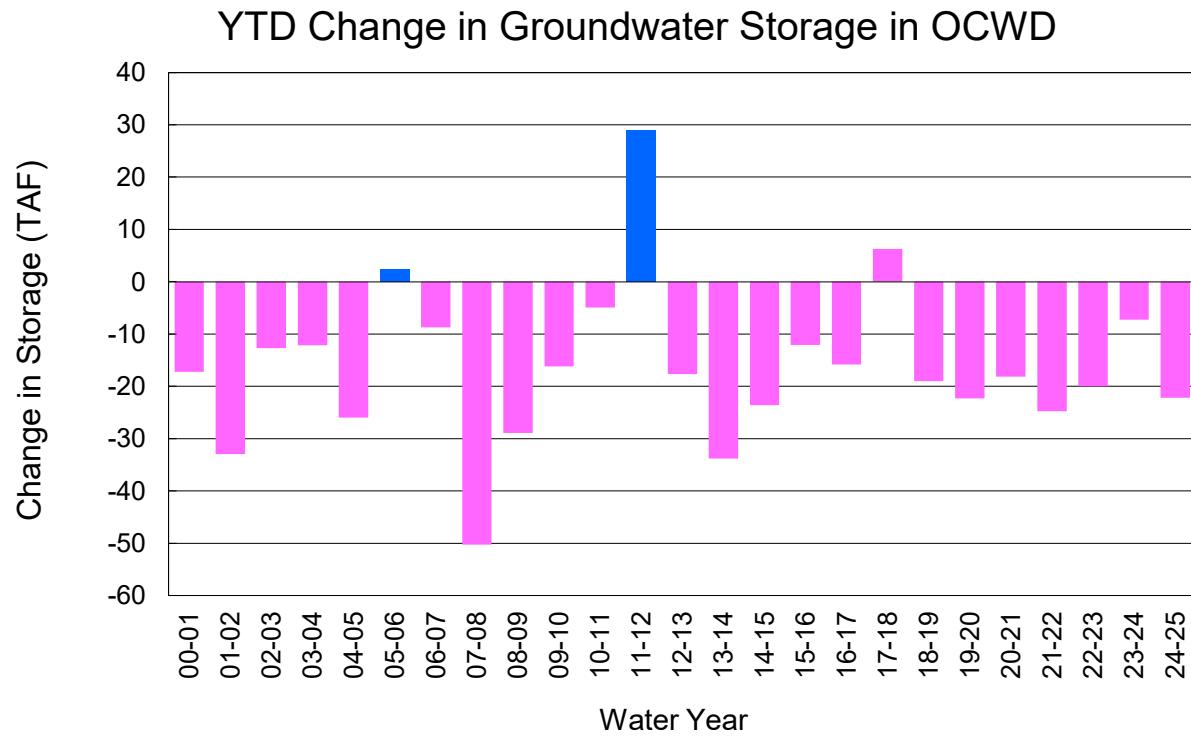
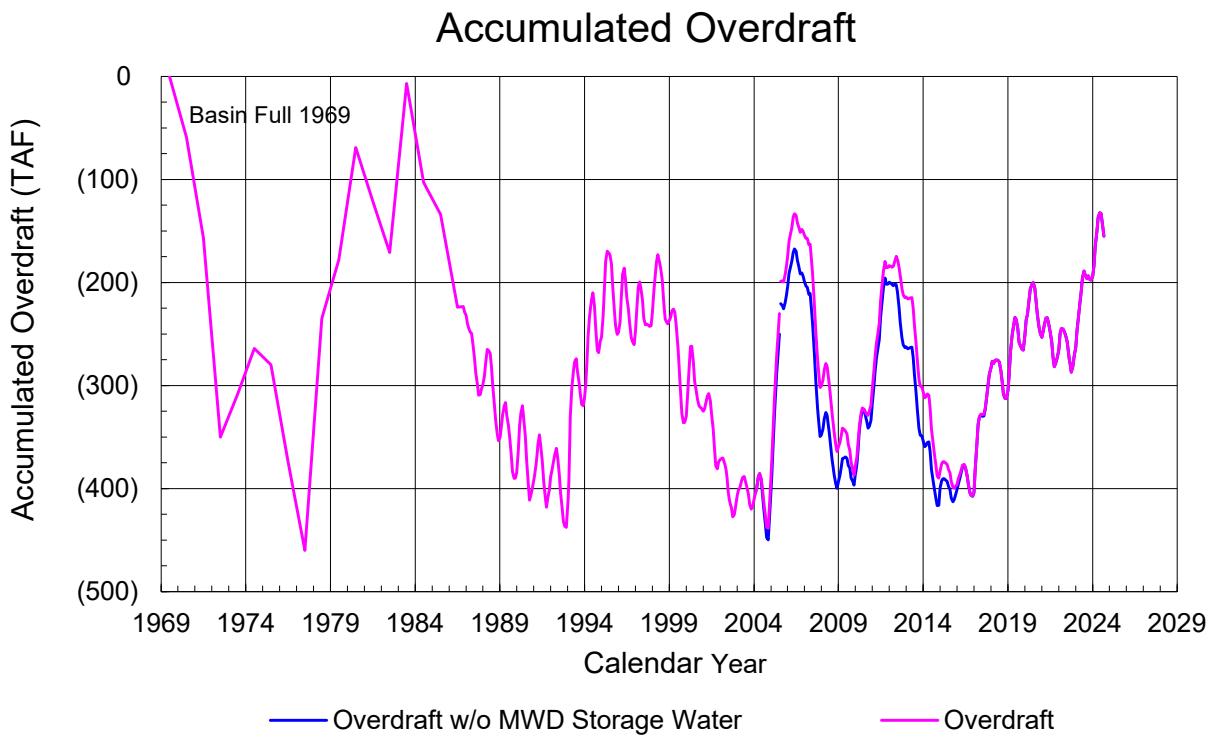
## Orange County Sanitation District Influent Flows Report



## 2024-25 Water Demands/Groundwater Pumping + In Lieu/RA Revenue Report



	Monthly		Accumulated Total for the Year			
	Budget	Actual	Budget	Actual	Difference	Percent
Total Water Demand	34,800	36,998	71,400	73,489	2,089	102.93%
Total Pumping + In Lieu	27,700	28,955	57,100	56,827	-273	99.52%
RA Revenue	\$17,284,800	\$18,068,156	\$35,630,400	\$35,460,354	-\$170,046	99.52%



## PRODUCERS WATER USAGE SUMMARY

August 2024

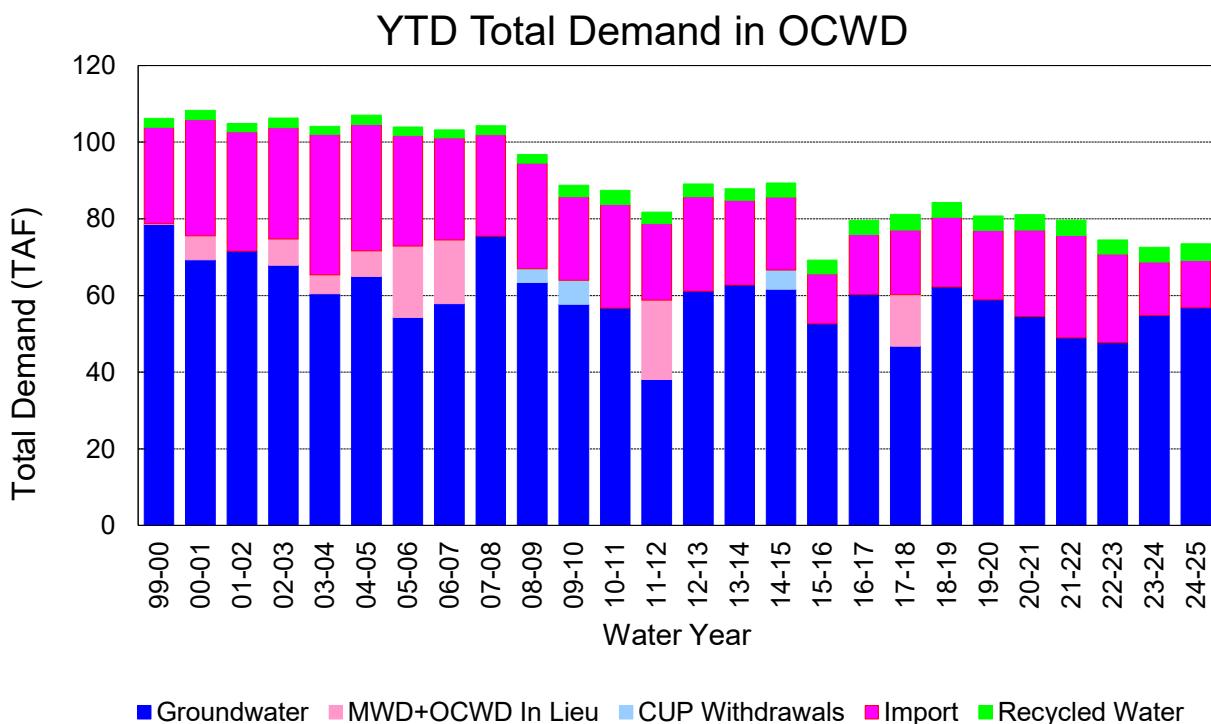
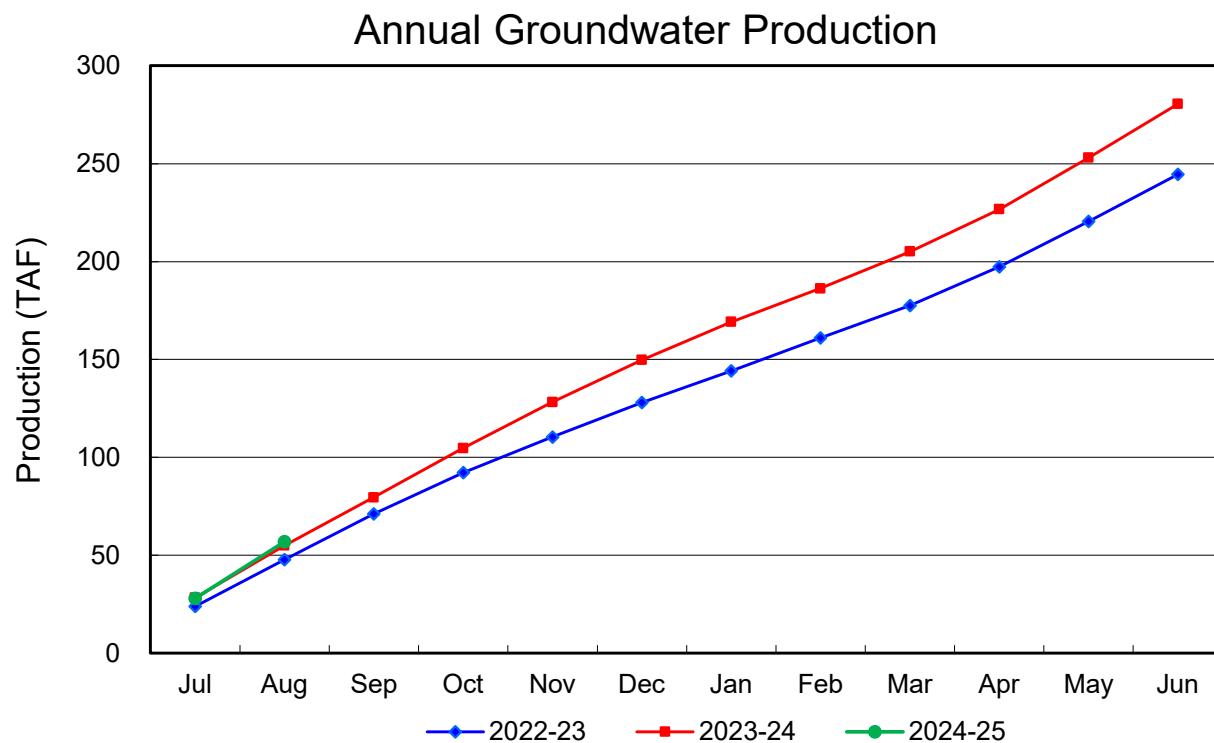
(AF except BPP)

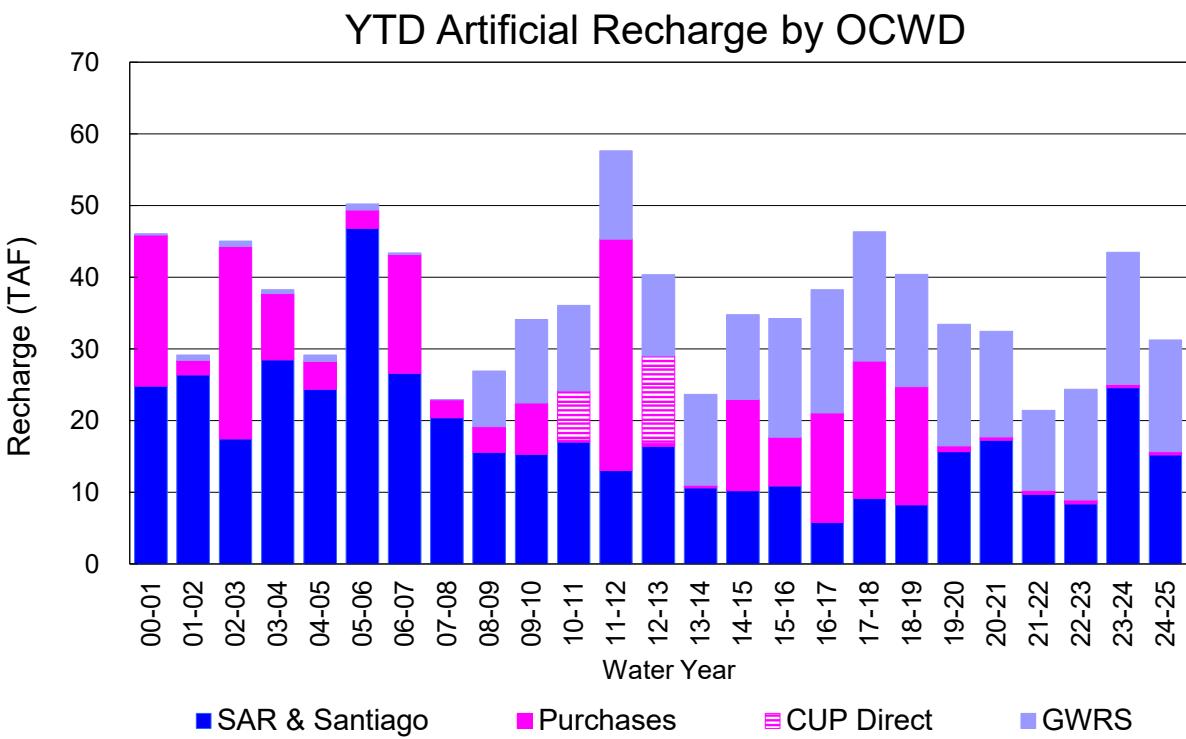
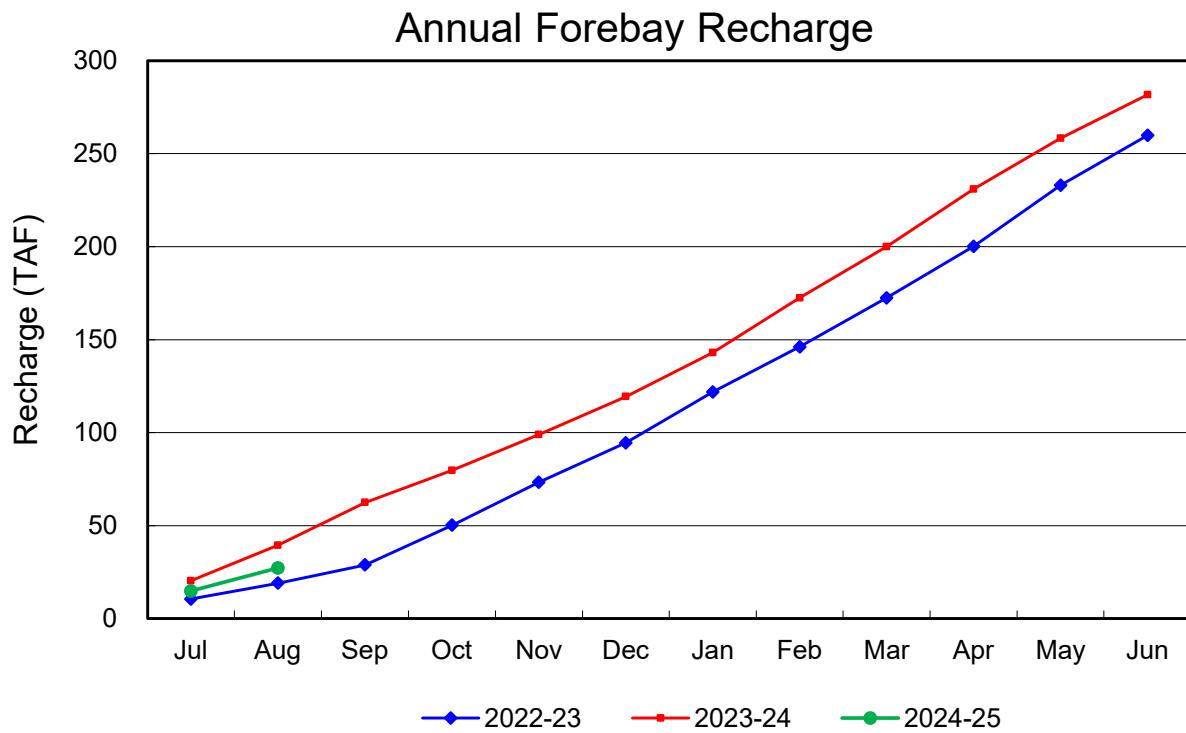
WATER AGENCY	Ground-water (1)	In Lieu	Reclaimed Water	Total Import (2)	Total Demand	2023-24 YTD	2022-23 YTD	YTD % Diff	AUG 2024 BPP	2023-24 YTD BPP	2022-23 YTD BPP
Anaheim	4,528	0	0	1,003	5,531	11,001	10,447	105%	81.9%	82.4%	67.6%
Buena Park	1,040	0	0	245	1,285	2,629	2,550	103%	80.9%	81.3%	90.5%
East Orange County	89	0	0	0	89	229	168	136%	100.0%	100.0%	0.7%
Fountain Valley	852	0	227	0	1,079	2,172	1,845	118%	100.0%	100.0%	100.0%
Fullerton	1,568	0	0	789	2,356	4,642	4,348	107%	66.5%	68.4%	80.9%
Garden Grove	2,016	0	0	24	2,041	4,172	4,000	104%	98.8%	99.4%	100.0%
Golden State	1,346	0	0	936	2,282	4,471	4,241	105%	59.0%	57.5%	70.1%
West OC System	851	-	-	478	1,329	2,606	2,546	102%	na	na	na
East OC System	495	-	-	458	953	1,865	1,695	110%	na	na	na
Huntington Beach	2,018	0	0	485	2,503	4,944	4,872	101%	80.6%	84.5%	89.9%
Irvine Ranch	3,663	0	1,648	90	5,401	10,421	11,720	89%	97.6%	97.5%	99.9%
DRWF Clear	2,277	-	-	-	2,277	4,098	5,573	74%	na	na	na
DRWF Color	708	-	-	-	708	1,420	1,441	99%	na	na	na
Laguna Beach	0	0	0	312	312	619	618	na	0.0%	0.0%	0.0%
La Palma	162	0	0	0	162	329	334	98%	100.0%	100.0%	100.0%
Mesa Water (MW)	1,600	0	116	0	1,715	3,352	3,196	105%	100.0%	100.0%	100.0%
MW Clear	1,242	-	-	-	1,242	2,354	2,528	93%	na	na	na
MW Amber	358	-	-	-	358	735	476	154%	na	na	na
Newport Beach	1,218	0	73	120	1,411	2,938	2,699	109%	91.1%	81.1%	99.4%
Orange	1,880	0	0	593	2,472	4,983	4,958	101%	76.0%	67.1%	86.4%
OCWD (GAP)	155	0	0	0	155	292	425	69%	100.0%	100.0%	100.0%
Santa Ana	2,625	0	32	499	3,155	6,334	5,993	106%	84.0%	86.3%	95.5%
Seal Beach	333	0	0	63	396	719	583	123%	84.2%	47.9%	99.9%
Serrano	251	0	0	0	251	524	597	88%	100.0%	95.4%	87.5%
Tustin	572	0	0	427	999	1,968	1,991	99%	57.3%	57.0%	73.7%
Westminster	990	0	0	0	990	1,983	1,911	104%	100.0%	100.0%	100.0%
Yorba Linda	<u>1,734</u>	<u>0</u>	<u>0</u>	<u>356</u>	<u>2,089</u>	<u>4,129</u>	<u>3,931</u>	<u>105%</u>	<u>83.0%</u>	<u>83.3%</u>	<u>90.4%</u>
<b>SUBTOTAL:</b>	28,638	0	2,096	5,939	36,673	72,850	71,427	102%	83.0%	82.1%	88.6%
Other Producers (Est ~3% of Subtotal)	<u>317</u>	<u>0</u>	<u>0</u>	<u>8</u>	<u>325</u>	<u>639</u>	<u>1,174</u>	<u>54%</u>			
<b>TOTAL:</b>	<b>28,955</b>	<b>0</b>	<b>2,096</b>	<b>5,947</b>	<b>36,998</b>	<b>73,489</b>	<b>72,601</b>		<b>83.0%</b>	<b>82.1%</b>	<b>88.6%</b>
OCWD (Talbert Barrier)	0		1,646	0	1,646	3,320	1,738				
OCSD (GAP)	na		95	na	95	154	108				

*Estimated*

(1) Excludes MWD CUP Withdrawals

(2) Includes MWD CUP Withdrawals & In Lieu Water





## RECHARGE AREAS REPORT

August 2024

	Percolation (AF)	Remarks
RIVER SYSTEM	3,403	55 cfs per day average perc
DESILTING SYSTEM	na	SAR
OFF-RIVER SYSTEM	0	
WARNER SYSTEM	512	SAR
OLIVE BASIN	na	Passive System
ANAHEIM LAKE	0	
MINI-ANA LAKE	4	
MILLER BASIN	1,954	GWRS
KRAEMER BASIN	0	
LA PALMA BASIN	3,351	GWRS
MIRALOMA BASIN	961	GWRS
LA JOLLA BASIN	0	
PLACENTIA BASIN	0	
RAYMOND BASIN	0	
FIVE COVES BASIN	na	
BURRIS BASIN	543	SAR
RIVER VIEW BASIN	0	
FLETCHER BASIN	0	
SANTIAGO BASINS	1,555	SAR
SANTIAGO CREEK	0	
<b>TOTALS</b>	<b>12,283</b>	
<b>5-YR AVERAGE</b>	<b>11,623</b>	

FLOWS TO RECHARGE AREAS (AF)	
Imperial Headgates (estimated)	4,317
GWRS	6,261
OC-28 (MWD)	0
OC-28a (MWD)	0
OC-59	0
Est'd local Forebay inflow below Imperial	0
Est'd local Santiago inflow (estimated)	65
Irvine lake releases (OC-13 MWD)	0
Villa Park Dam releases (estimated)	0
Precip at Warner Basin (inches)	0.00
Precip direct to open water surfaces	0
<b>TOTAL INFLOW</b>	<b>10,643</b>

LOSSES FROM RECHARGE AREAS (AF)	
Est'd SAR flow past Chapman Ave.	0
Est'd Santiago Cr. flow to SAR	0
Est'd flows past Raymond Basin	0
Calc'd evap (inches) Estimated	7.21
Est'd evaporative losses	305
<b>TOTAL LOSSES</b>	<b>305</b>

STORAGE CHANGES (AF)			
Facility	Begin	End	Net
Deep basins	5,669	5,225	-444
Santiago Pits	8,863	7,361	-1,502
River			
Off-river			
Irvine Lake			
<b>TOTAL</b>	<b>14,532</b>	<b>12,586</b>	<b>-1,946</b>

SUMMARY (AF)	
TOTAL INFLOW	10,643
TOTAL LOSSES	305
STORAGE CHANGE	-1,946
CALC'D PERCOLATION	12,283

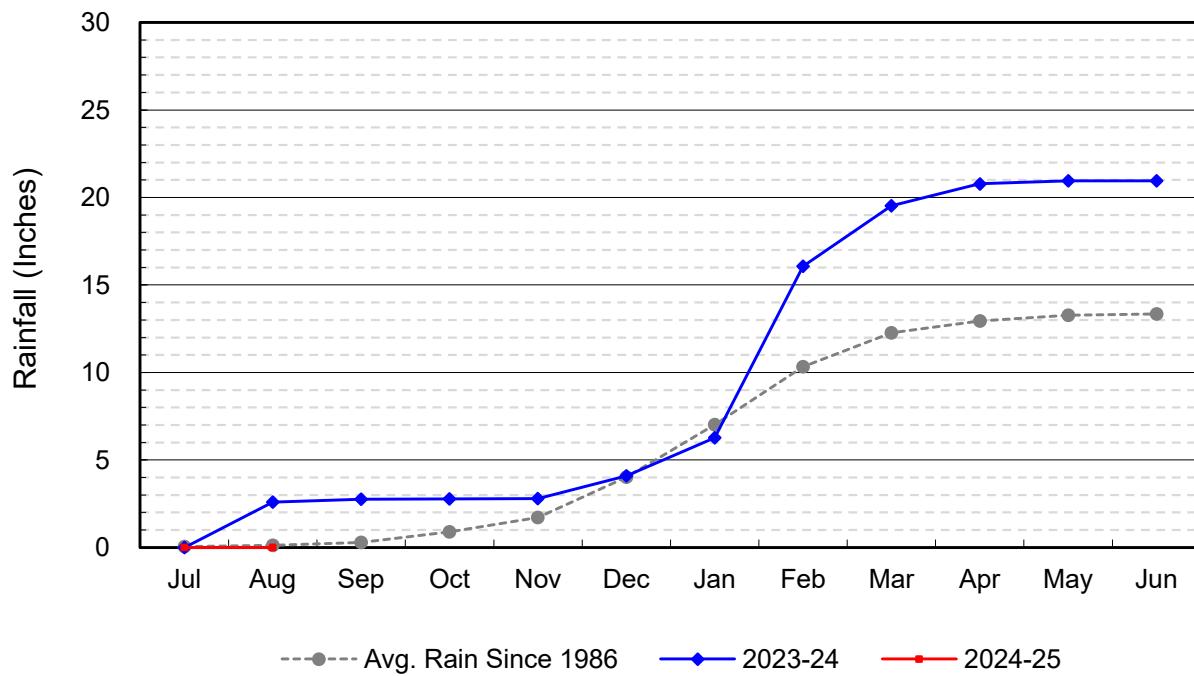
## DEEP BASINS MONTHLY STATUS

**August 2024**

(values in acre-feet)

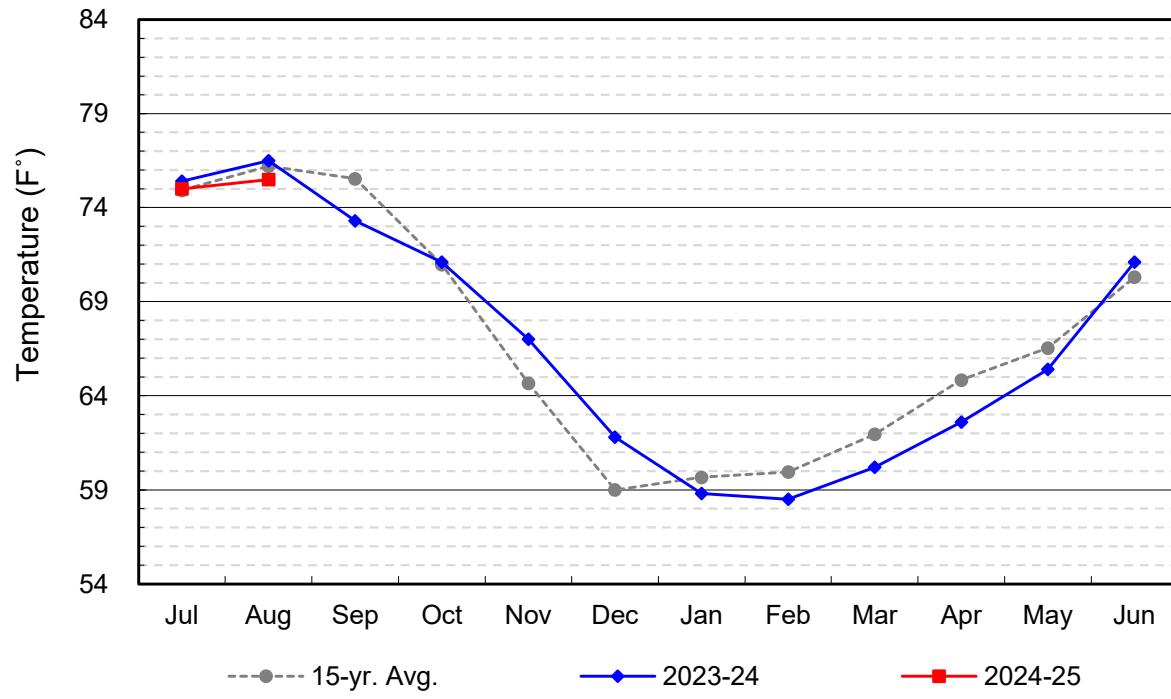
Facility	Storage	Storage	Maximum	Total	Max	Avg	Avg W.S.
	Start	End	Storage	Perc	Perc	Perc	Elev
Desilting Ponds	10	10	252	na	na	na	na
Fos-Huckleberry	528	535	628	na	na	na	na
Conrock Basin	555	550	661	na	na	na	na
Warner Basins	2,377	2,580	2,900	512	na	na	234
Olive Pit	0	0	95	na	na	na	192
Anaheim Lake	0	0	2,300	0	0	0	168
Mini-Anaheim Lk	0	0	10	4	2	0	220
Miller Basin	18	17	350	1,954	87	63	205
Kraemer Basin	0	0	1,055	0	0	0	163
La Palma Basin	81	77	101	3,351	118	108	218
Miraloma Basin	34	34	53	961	35	31	218
La Jolla Basin	0	0	20	0	0	0	199
Placentia Basin	0	0	200	0	0	0	155
Raymond Basin	0	0	200	0	0	0	144
Five Coves Basins	0	0	329	na	na	na	na
Burris Pit	2,066	1,423	2,500	543	28	18	164
River View Basin	0	0	8	0	0	0	185
Fletcher Basin	0	0	15	0	0	0	184
Santiago (Bond)	5,913	5,043	8,312	1,555	65	53	250
Santiago (Blu Dia)	2,950	2,318	5,259	-	-	-	-
<b>Totals</b>	<b>14,532</b>	<b>12,586</b>	<b>25,247</b>	<b>8,880</b>			
Prado Dam	1	1	20,000				

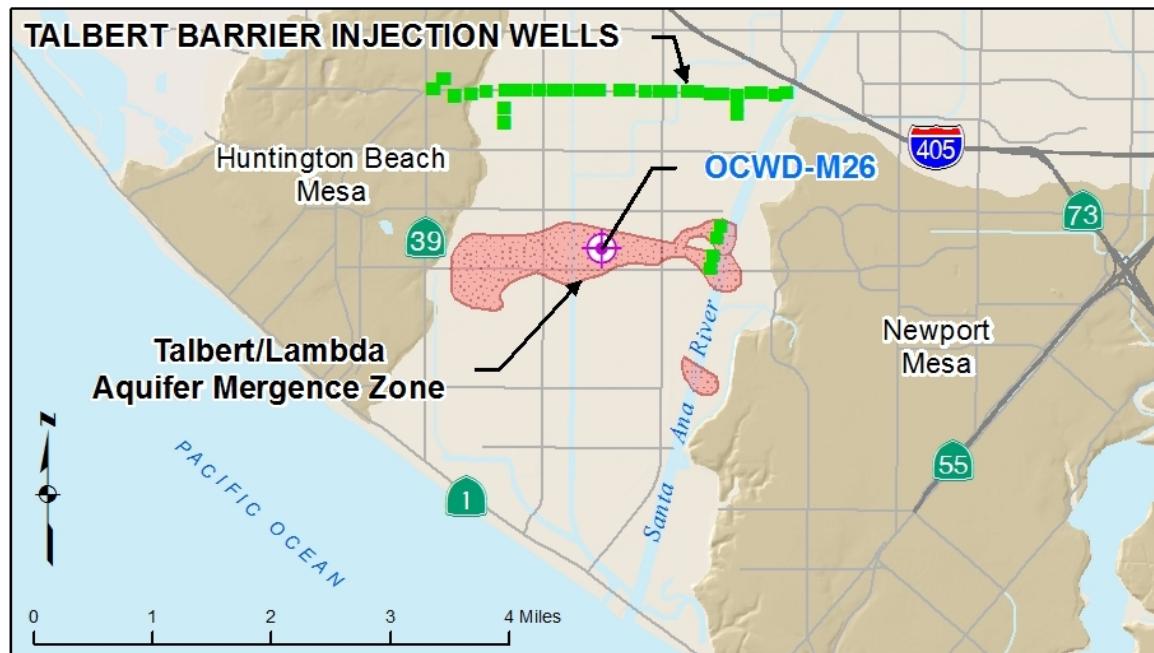
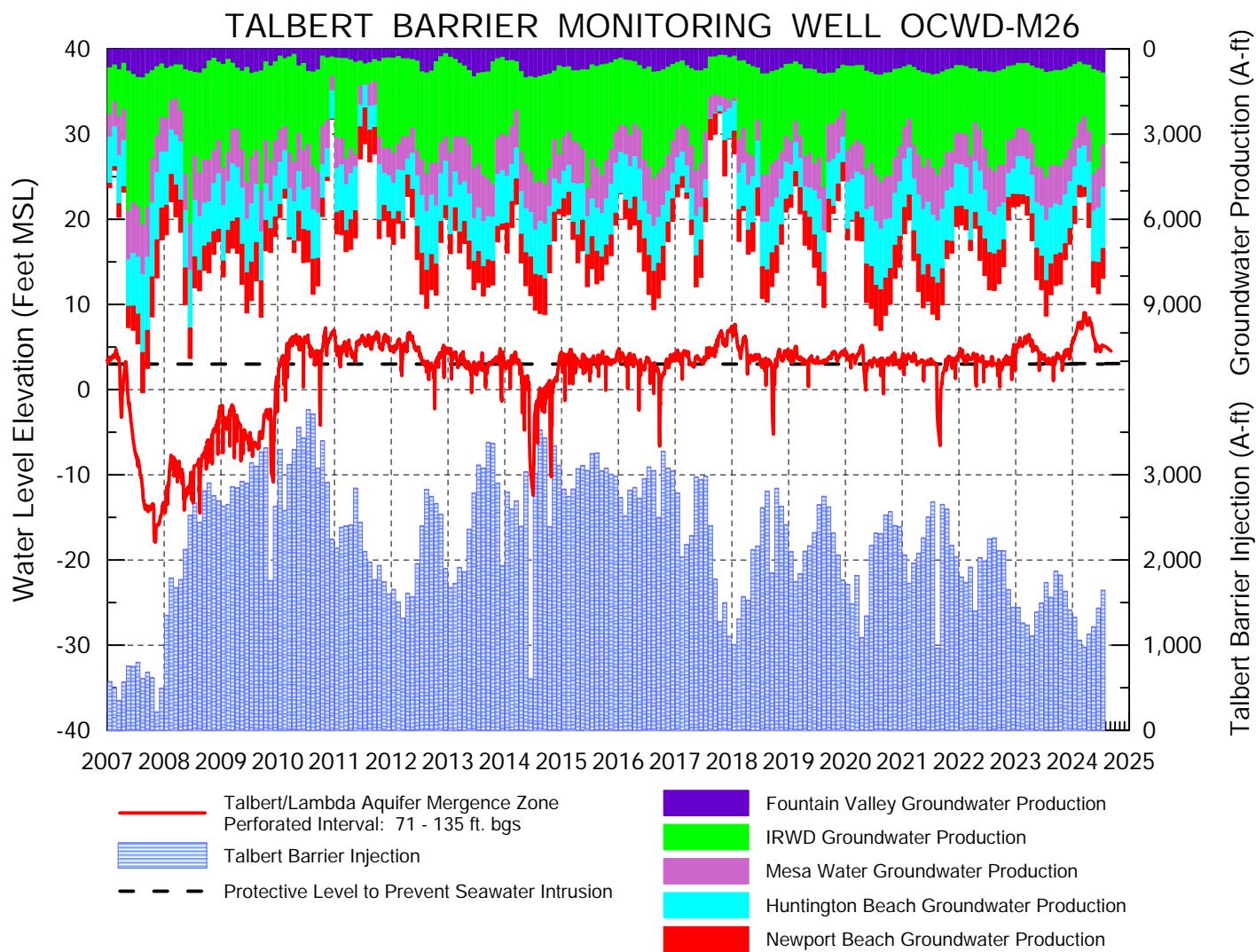
### Cumulative Anaheim Field HQ Rainfall



---●--- Avg. Rain Since 1986    ---◆--- 2023-24    ---■--- 2024-25

### Temperature at Santa Ana Fire Station







**ACTION AGENDA**  
**COMMUNICATIONS AND LEGISLATIVE LIAISON COMMITTEE MEETING**  
**September 5, 2024 12:00 p.m.- Conference Room C-2**

<b>ROLL CALL</b> Denis Bilodeau Van Tran Roger Yoh Bruce Whitaker Steve Sheldon	Quorum of Cte: Yes Quorum of Board: Yes
<u>Alternates</u> Valerie Amezcuia (absent) Natalie Meeks (absent) Dina Nguyen (absent) Eric Weigand Cathy Green (arrived 12:03)	
<b>CONSENT CALENDAR (ITEMS NO. 1)</b>	
1. MINUTES OF COMMUNICATIONS AND LEGISLATIVE LIAISON COMMITTEE MEETING HELD AUGUST 8, 2024  RECOMMENDATION: Approve minutes as presented	Approved
<b>MATTERS FOR CONSIDERATION</b>	
2. STATE LEGISLATIVE UPDATE  RECOMMENDATION: Agendize for September 18 Board meeting: Take action as appropriate	Informational
3. FEDERAL LEGISLATIVE UPDATE  RECOMMENDATION: Agendize for September 18 Board meeting: Take action as appropriate	Informational
4. CHILDREN'S WATER EDUCATION FESTIVAL LOCATION AND CONTRACT APPROVAL  RECOMMENDATION: Agendize for September 18 Board meeting: Authorize staff to execute an agreement with James Events Productions to host the 2025 Festival at Oak Canyon Park in Orange on April 23-24 and to provide rentals, event planning, and logistical support and services for the 2025 Festival for a combined total amount not to exceed \$195,500	Approved
<b>INFORMATIONAL ITEMS</b>	
5. WATER SUMMIT UPDATE	Informational
6. PUBLIC AFFAIRS OUTREACH REPORT (AUGUST)	Informational
<b>CHAIR DIRECTION AS TO WHICH ITEMS IF ANY TO BE AGENDIZED AS A MATTER FOR CONSIDERATION AT THE SEPTEMBER 18 BOARD MEETING</b>	Consent: Item No. 4
<b>ADJOURNMENT</b>	<b>12:45 pm</b>

**ACTION AGENDA**  
**WATER ISSUES COMMITTEE MEETING**  
**ORANGE COUNTY WATER DISTRICT**  
**Wednesday, September 11, 2024 12:00 p.m., Boardroom**

<b>ROLL CALL</b> Bruce Whitaker Dina Nguyen Roger Yoh Van Tran Erik Weigand  <u>Alternates</u> Denis Bilodeau Steve Sheldon Natalie Meeks (absent) Valerie Amezcuia (absent) Cathy Green	Quorum of Cte: <b>Yes</b> Quorum of Board: <b>Yes</b>
<b>CONSENT CALENDAR (ITEMS NO. 1 – 5)</b>	
1. MINUTES OF WATER ISSUES COMMITTEE MEETING HELD AUGUST 14, 2024  RECOMMENDATION: Approve minutes as presented	Approved
2. REPLACEMENT OF WATER QUALITY WESTBAY VEHICLE T-97  RECOMMENDATION: Agendize for September 18 Board Meeting: Authorize issuance of Purchase Order to LDV Custom Specialty Vehicles for \$347,546.00 (not including tax) for purchase and delivery of Mobile Water Sampling Lab Vehicle and authorize the payment of \$30,002 use tax for this vehicle purchase to the California Department of Tax and Fee Administration	Approved
3. CONTRACT NO. FUL-2022-1 AUTHORIZE NOTICE OF COMPLETION, RATIFY CHANGE ORDERS, AUTHORIZE BUDGET INCREASE, AND AUTHORIZE TRANSFER  RECOMMENDATION: Agendize for September 18 Board meeting:  1) Ratify issuance of Change Order Nos. 1 – 11 to Pacific Hydrotech for a total amount of \$348,168; 2) Accept completion of work and authorize filing a Notice of Completion for Contract No. FUL-2021-1: Fullerton Main Plant PFAS Water Treatment Plant; 3) Increase project budget by \$495,430 for a total project budget of \$13,685,430; and 4) Authorize the General Manager to transfer the Fullerton Main Plant PFAS Water Treatment Plant to the City of Fullerton effective the date of filing the Notice of Completion and quitclaim any property rights obtained for the project	Approved
4. NOTICE OF COMPLETION FOR CONTRACT GBM-2024-1 DESTRUCTION OF MONITORING WELLS AM-29A AND MCAS-10  RECOMMENDATION: Agendize for September 18 Board meeting: Accept completion of the Work and Authorize filing a Notice of Completion for Contract No. GBM-2024-1	Approved
5. CONTRACT NO. FUL-2024-1 FULLERTON WELL KIM 2 PFAS WATER TREATMENT PLANT ENGINEERS REPORT, CATEGORICAL EXEMPTION, AND NOTICE INVITING BIDS  RECOMMENDATION: Agendize for September 18 Board meeting:  1) Approve the Engineer's Report for the city of Fullerton Wells Kim 2 and	Approved

Suncipse 10 PFAS Water Treatment Plant Project and determine the project feasible, necessary and beneficial to the lands of the District;	
2) 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	
3) Authorize publication of Notice Inviting Bids for Contract No. FUL-2024-1, Fullerton Well Kim 2 PFAS Water Treatment Plant	
<b>END OF CONSENT CALENDAR</b>	
<b>INFORMATIONAL ITEMS</b>	
6. BASIN STORAGE UPDATE FOR WATER YEAR 2023-24	Informational
<b>CHAIR DIRECTION AS TO ITEMS IF ANY TO BE AGENDIZED AS MATTERS FOR CONSIDERATION AT THE SEPTEMBER 18 BOARD MEETING</b>	<b>All items Consent</b>
<b>ADJOURNMENT</b>	<b>12:30 p.m.</b>

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

<b>ROLL CALL</b> Roger Yoh Dina Nguyen (absent) Valerie Amezcuia (absent) Natalie Meeks (absent) Bruce Whitaker  <u>Alternates</u> Erik Weigand Denis Bildeau Steve Sheldon Van Tran Cathy Green (absent)	Quorum of Cte: <b>Yes</b> Quorum of Board: <b>Yes</b>
<b>CONSENT CALENDAR (ITEMS NO. 1 – 10)</b>	
1. MINUTES OF ADMINISTRATION/FINANCE ISSUES COMMITTEE MEETING HELD AUGUST 15, 2024  RECOMMENDATION: Approve minutes as presented	Approved
2. MONTHLY CASH CONTROL REPORT  RECOMMENDATION: Agendize for September 18 Board meeting: Receive and file Summary Cash and Cash Equivalents Control Report dated August 31, 2024	Approved
3. INVESTMENT PORTFOLIO HOLDINGS REPORTS  RECOMMENDATION: Agendize for September 18 Board meeting: Receive and file the Investment Portfolio Holdings Reports dated August 31, 2024	Approved
4. PURCHASE REVERSE OSMOSIS MEMBRANE CLEANING CHEMICALS FROM AMERICAN WATER CHEMICALS, INC  RECOMMENDATION: Agendize for September 18 Board meeting: Authorize issuance of Purchase Orders to purchase 36,400 pounds of AWC C-227 RO membrane cleaning chemical from American Water Chemicals, Inc. for \$135,777	Approved
5. OCWD WEED ABATEMENT AND TRAIL MAINTENANCE SERVICES RFQ  RECOMMENDATION: Agendize for September 18 Board meeting: Authorize issuance of Request for Qualifications (RFQ) for on-call weed abatement and trail maintenance services at Prado Basin and other District facilities	Approved
6. NJBSOFT SAMS WATER QUALITY SCHEDULING AND SAMPLING MANAGEMENT SOFTWARE PILOT  RECOMMENDATION: Agendize for September 18 Board meeting: Approve and authorize execution of an Agreement with NJBSoft for an amount not to exceed \$65,000 for a pilot study of SAMS software for the Water Quality department commencing on September 30, 2024 through September 30, 2025	Approved
7. REQUEST FOR PROPOSALS FOR UTILITY BILL AUDIT AND COST REDUCTION SERVICES  RECOMMENDATION: Agendize for September 18 Board meeting: Authorize issuance of Request for Proposals (RFP) for Utility Bill Audit and Cost Reduction Services for OCWD	Approved

8. AUTHORIZE PURCHASE ORDER TO BENDER/CCP FOR REPAIR OF MICROFILTRATION BACKWASH WASTE PUMP B03  RECOMMENDATION: Agendize for September 18 Board meeting: Authorize issuance of a purchase order to Bender/CCP in the amount of \$79,946 for repair of microfiltration backwash waste pump B03	Approved
9. AUTHORIZE PURCHASE ORDER TO DXP ENTERPRISES FOR REPAIR OF MICROFILTRATION BACKWASH WASTE PUMP A02  RECOMMENDATION: Agendize for September 18 Board meeting: Authorize issuance of a purchase order to DXP Enterprises, Inc. in the amount of \$88,989 for repair of microfiltration backwash waste pump A02	Approved
10. PURCHASE THREE GOULDS HEAVY DUTY SLURRY PUMPS FOR GWRS POST TREATMENT SYSTEM FROM CHARLES P. CROWLEY COMPANY  RECOMMENDATION: Agendize for September 18 Board meeting: Authorize a purchase order to Charles P. Crowley Company for three Goulds Model JC1J heavy duty slurry pumps for the GWRS post treatment system for an amount not to exceed \$119,440	Approved
<b>END OF CONSENT CALENDAR</b>	
<b>MATTERS FOR CONSIDERATION</b>	
11. BUDGET TO ACTUAL REPORT FOR THE FOURTH QUARTER FY 2023–24  RECOMMENDATION: Agendize for September 18 Board meeting: Receive and file the Budget to Actual Report for the Fourth Quarter of Fiscal Year 2023-24 ending June 30, 2024	Approved
12. PRODUCERS WELL CONSTRUCTION LOAN PROGRAM  RECOMMENDATION: Agendize for September 18 Board meeting: Implement a Producers Well Construction Loan Program and authorize legal counsel to prepare an appropriate agreement	Approved
<b>INFORMATIONAL ITEMS</b>	
13. MONTHLY CASH DISBURSEMENT REPORT	Informational
<b>CHAIR DIRECTION AS TO WHICH ITEMS IF ANY TO BE AGENDIZED AS MATTERS FOR CONSIDERATION AT SEPTEMBER 18 BOARD MEETING</b>	Items #2 – 12 on Consent
<b>ADJOURNMENT</b>	<b>12:34 p.m.</b>