AGENDA

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

WATER ISSUES COMMITTEE MEETING
WITH BOARD OF DIRECTORS *
ORANGE COUNTY WATER DISTRICT
Wednesday, August 13, 2025 12:00 p.m., Boardroom

*The OCWD Water Issues Committee meeting is noticed as a joint meeting with the Board of Directors for the purpose of strict compliance with the Brown Act and it provides an opportunity for all Directors to hear presentations and participate in discussions. Directors receive no additional compensation or stipend as a result of simultaneously convening this meeting. Items recommended for approval at this meeting will be placed on the **August 20** Board meeting Agenda for approval.

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: Join the Zoom Webinar by clicking on the following link:
https://ocwd.zoom.us/j/98592928069

Webinar ID: 985 9292 8069

Telephone Audio: (213) 338 8477

Teleconference Sites:
10382 Bonnie Drive, Garden Grove
20 Civic Center, Santa Ana
1454 Madison Street, Tustin
303 W. Commonwealth Ave., Fullerton
6151 Baja Drive, Anaheim
3, Place du Général Kœnig Paris, Île-de-France, 75017 France
* 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 – 13)

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. MINUTES OF WATER ISSUES COMMITTEE MEETING HELD JULY 9, 2025

   RECOMMENDATION: Approve minutes as presented

2. AGREEMENT TO BENDER/CCP FOR GWRS PRODUCT WATER PUMP A01 VERTICAL TURBINE PUMP INSPECTION AND REHABILITATION

   RECOMMENDATION: Agendize for August 20 Board meeting: Authorize issuance of an Agreement to Bender/CCP Inc. for an amount not to exceed $150,000 and establish the Product Water A01 Vertical Turbine Pump Inspection and Rehabilitation project in the amount of $150,000

3. AGREEMENT TO BENDER/CCP FOR GWRS REVERSE OSMOSIS PUMP E03 VERTICAL TURBINE PUMP INSPECTION AND REHABILITATION

   RECOMMENDATION: Agendize for August 20 Board meeting: Authorize issuance of an Agreement to Bender/CCP Inc. for an amount not to exceed $150,000 and establish the Reverse Osmosis E03 Vertical Turbine Pump Inspection and Rehabilitation project in the amount of $150,000

4. AGREEMENT TO BENDER/CCP FOR REVERSE OSMOSIS TRANSFER PUMP B01 VERTICAL TURBINE PUMP INSPECTION AND REHABILITATION

   RECOMMENDATION: Agendize for August 20 Board meeting: Authorize issuance of an Agreement to Bender/CCP Inc. for an amount not to exceed $150,000 and establish the Product Water B01 Vertical Turbine Pump Inspection and Rehabilitation project in the amount of $150,000

5. PURCHASE TWO ANAHEIM LAKE PUMPS

   RECOMMENDATION: Agendize for August 20 Board meeting: Authorize issuance of Purchase Order to Xylem Water Solutions for $779,252 to purchase two replacement submersible pumps for Anaheim Lake and authorize additional funds in the amount of $190,000 for R&R account R25025

6. AMENDMENT TO AGREEMENT WITH BESST, INC. TO PREPARE A WORK PLAN AND TECHNICAL SPECIFICATIONS FOR ADDITIONAL TESTING AT BUENA PARK'S LINDEN WELL TO REDUCE PFAS CONCENTRATIONS

   RECOMMENDATION: Agendize for August 20 Board meeting: Authorize issuance of an amendment to the service agreement with BESST, Inc. for an amount not to exceed $14,600 to prepare a work plan and technical specifications to conduct packer feasibility testing at Buena Park's Linden Well to reduce PFAS concentrations

7. EMERGENCY REPAIR WORK ORDER RATIFICATION AND BUDGET INCREASE

   RECOMMENDATION: Agendize for August 20 Board meeting:

   1) Ratify Work Order Nos. 11 and 12 of Agreement No. 1451 and payment to W.A. Rasic, Inc. for emergency repairs totaling $130,150;

2) Ratify Work Order No. 10 of Agreement No. 1452 and payment to T.E. Roberts, Inc. for emergency repairs totaling $69,928;
3) Ratify payment to the City of Newport Beach in the amount of $6,561; and
4) Increase the project budget allocation by $31,342, for a total of $331,342 to close out FY 24-25 emergency repair work orders

8. AGREEMENT TO BROWN AND CALDWELL INC. FOR TECHNICAL SUPPORT ON THE GWRS MICROFILTRATION AND REVERSE OSMOSIS OPERATIONS (MF/RO)

RECOMMENDATION: Agendize for August 20 Board meeting: Authorize issuance of Agreement to Brown and Caldwell Inc. for an amount not to exceed $125,000 to provide consulting services on a time and material bases for the GWRS MF and RO membrane processes through August 31, 2026

9. AUTHORIZE ISSUANCE OF REQUEST FOR PROPOSALS FOR GRANULAR ACTIVATED CARBON PROCUREMENT, DELIVERY AND INSTALLATION AT THE FULLERTON MAIN PLANT

RECOMMENDATION: Agendize for August 20 Board meeting: Authorize Issuance of Request for Proposals for Granular Activated Carbon Procurement, Delivery and Installation at the Fullerton Main Plant

10. ANNUAL SANTA ANA RIVER STREAMGAGING JOINT FUNDING AGREEMENT WITH THE UNITED STATES GEOLOGICAL SURVEY

RECOMMENDATION: Agendize for August 20 Board meeting:

1) Approve and authorize Joint Funding Agreement with USGS to conduct streamgaging of the Santa Ana River below Prado Dam and Santiago Creek at Santa Ana for the period of October 1, 2025 to September 30, 2026; and
2) Authorize payment of $52,110 to the USGS for OCWD's share of costs for these services

11. MOU WITH GOLDEN STATE WATER COMPANY REGARDING METHODOLOGY TO MANAGE AND DISTRIBUTE PFAS LITIGATION SETTLEMENT PROCEEDS

RECOMMENDATION: Agendize for August 20 Board meeting: Authorize the General Manager to negotiate final language of and execute a Memorandum of Understanding between OCWD and Golden State Water Company regarding methodology to manage and distribute PFAS litigation settlement proceeds with concurrence of General Counsel

12. PURCHASE ORDER TO AGILENT TECHNOLOGIES FOR ONE INDUCTIVELY COUPLED PLASMA OPTICAL EMISSION SPECTROMETER (ICP-OES)

RECOMMENDATION: Agendize for August 20 Board meeting: Authorize issuance of a Purchase Order to Agilent Technologies for the total amount of $122,817, includes shipping and taxes, for one Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), recirculating chiller, and ADS autosampler

13. REJECT BID PROTEST AND AWARD CONTRACT NO. GSWC-2024-1 SHERRILL WELL PFAS WATER TREATMENT PLANT TO RE CHAFFEE CONSTRUCTION INC AND BUDGET INCREASE

RECOMMENDATION: Agendize for August 20 Board meeting:

1) Receive and file Affidavit of Publication of Notice Inviting Bids for Contract GSWC-2024-1 Sherrill Well PFAS Water Treatment Project;
2) Ratify issuance of Addenda 1 and 2;
3) Reject the bid protest of Cora Constructors Inc. (Cora) and accept bid and authorize award of Contract GSWC-2024-1 to the lowest responsive bid and responsible bidder, RE Chaffee Construction, Inc. (RE Chaffee), in the amount of $1,981,000.00; and
4) Increase project budget by $570,000 for a total project budget in the amount of $3,070,000

END OF CONSENT CALENDAR

MATTERS FOR CONSIDERATION

14. BOOKY OREN GLOBAL WATER TECHNOLOGIES PROFESSIONAL SERVICES AGREEMENT

RECOMMENDATION: Agendize for August 20 Board meeting: Authorize issuance of Agreement to Booky Oren Global Water Technologies (BOGWT) Ltd. in an amount not to exceed $60,000

15. AWARD CONTRACT NO. TAL-2024-2 TALBERT BARRIER INJECTION WELLS I-24 & I-25 CONTROL VALVE PROJECT TO VICON ENTERPRISE

RECOMMENDATION: Agendize for August 20 Board meeting:

1) Receive and file Affidavit of Publication of Notice Inviting Bids for Contract TAL-2024-2 Talbert Barrier Injection Wells I-24 and I-25 Control Valve Replacement Project;
2) Ratify issuance of Addendum #1 and Addendum #2;
3) Accept and award Contract TAL-2024-2 to the lowest responsive and responsible bidder, Vicon Enterprise, in the amount of $3,200,500; and
4) Establish Project budget in the amount of $3,590,525

CHAIR DIRECTION AS TO ITEMS IF ANY TO BE AGENDIZED AS MATTERS FOR CONSIDERATION AT THE AUGUST 20 BOARD MEETING

DIRECTORS' ANNOUNCEMENTS/REPORTS

GENERAL MANAGER'S ANNOUNCEMENTS/REPORTS

ADJOURNMENT

WATER ISSUES COMMITTEE MEMBERS

Committee Members
Cathy Green – Chair
Erik Weigand – Vice Chair
Roger Yoh
Van Tran
Dina Nguyen

Alternates
Valerie Amezcua
Fred Jung
Natalie Meeks
Steve Sheldon
Denis Bilodeau

In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted at the guard shack entrance and in the main lobby of the Orange County Water District, 18700 Ward Street, Fountain Valley, CA and on the OCWD website 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 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

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, by email at cfuller@ocwd.com by fax at (714) 378-3373. Notification 24 hours prior to the meeting will enable District staff to make reasonable arrangements to assure accessibility to the meeting.

As a general rule, agenda reports or other written documentation has been prepared or organized with respect to each item of business listed on the agenda and can be reviewed at www.ocwd.com. Copies of these materials and other disclosable public records distributed to all or a majority of the members of the Board of Directors in connection with an open session agenda item are also on file with and available for inspection at the Office of the District Secretary, 18700 Ward Street, Fountain Valley, California, during regular business hours, 8:00 am to 5:00 pm, 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.

MINUTES OF BOARD OF DIRECTORS MEETING
WATER ISSUES COMMITTEE
ORANGE COUNTY WATER DISTRICT
July 9, 2025 @ 12:00 p.m.

Director Green called the Water Issues Committee meeting to order at 12:00 p.m. in Conference Room L-1. Public access was also provided via Zoom webinar. The Secretary called the roll and reported a quorum as follows:

Committee Members		OCWD
Cathy Green		John Kennedy – General Manager
Erik Weigand		Chris Olsen – Executive Director of Engineering/Water Resources
Roger Yoh		Mehul Patel – Executive Director of Operations
Van Tran		Jason Dadakis – Executive Director of Water Quality & Technical Resources
Dina Nguyen	absent	Lisa Haney – Executive Director of Planning & Natural Resources
Alternates		Ben Smith – Director of Recharge & Wetland Operations
Valerie Amezcua		Adam Hutchinson – Recharge Planning Manager
Fred Jung		Randy Fick – Treasurer/CFO
Natalie Meeks		Bill Leever – Principal Hydrogeologist
Steve Sheldon		Megan Plumlee – Director of Research
Denis Bilodeau		Alex Waite – Principal Engineer
		Alicia Harasty – Legislative Affairs Liaison
		Prem Parmar – Laboratory Director
		Han Gu – Senior Scientist
		Gina Ayala – Director of Public Affairs
		Francine Cason – Hydrogeologist
		Ryan Bouley – Director of Engineering
		Sheryl Parsons – Natural Resources Director
		Pat Versluis – Director of Water Quality
		Shawn Neville – Principal Planner
		Jeremy Jungreis – General Counsel
		Leticia Villarreal – Assistant District Secretary

CONSENT CALENDAR

The Consent Calendar was approved upon motion by Director Weigand, seconded by Director Amezcua and carried [5-0], as follows:

Ayes: *Green, Weigand, Yoh, Tran, Amezcua*

1. Minutes of Water Issues Committee Meeting

The Minutes of the Water Issues Committee meeting held June 11, 2025, were approved as presented.

2. Authorize Amendment No. 1 to Santa Ana Watershed Association Agreement No. 1369

Recommended for approval at July 16 Board meeting: Authorize for July 16 Board Meeting: Authorize Amendment No. 1 to Agreement No. 1369 to fund continued Arundo removal efforts for an amount of $100,000.

3. Amendment No. 5 to Agreement with Tetra Tech for Santiago Pump Station Modifications Project Design and Construction Support Services and Notice Inviting Bids

Recommended for approval at July 16 Board meeting:

1. **Authorize Amendment No. 5 to Agreement No. 1336 with Tetra Tech for an amount not to exceed $150,000 for additional design services for the Santiago Pump Station Modifications Project Design and Construction Support Services**
2. **Authorize publication of Notice Inviting Bids for Contract No. SB-2025-2, Santigo Pump Station Modifications.**

4. Ratification of Access Agreements for Existing Monitoring Well Sites for First Half of 2025

Recommended for approval at July 16 Board meeting: Ratify execution of well access agreements issued to OCWD for the period of January 1 through June 30, 2025 for a total cost of $13,923.

5. Purchase Orders to AB SCIEX LLC for Multi-Year Service Support Agreements to Cover Lab Liquid Chromatograph / Mass Spectrometers

Recommended for approval at July 16 Board meeting: Authorize issuance of Purchase Order to SCIEX in the amount of $151,736 for support service agreements for FY25-26, up to $155,529 for FY26-27, and up to $159,417 for FY27-28.

6. Request for Proposals for Injection Well Redevelopment

Recommended for approval at July 16 Board meeting: Authorize issuance of a Request for Proposals for services to redevelop Talbert Barrier and Mid-Basin Injection Wells.

MATTERS FOR CONSIDERATION

7. Agreement to Yellow Jacket Drilling, Inc. for Soil Borings at Anaheim Lake (IFQ-24-002)

Recharge Planning Manager Adam Hutchinson informed the committee that Anaheim Lake was OCWD's first recharge basin, placed into service in 1961, receiving imported water from 1961 to 1975. He recalled that a pipeline was built from Warner Basin to Anaheim Lake to allow Santa Ana River water to be transferred there to recharge. He explained the need for rehabilitation due to 50 years of accumulated clogging material in basin sidewalls, and large internal islands and peninsulas taking up space which is making cleaning more difficult. He shared removing the island and peninsulas would increase basin storage by over 500 acre-feet and make cleaning more efficient. He noted that another contributing factor for mounding was extensive fine-grained layer below the basin. He advised that staff would like to evaluate possible options to either remove or disrupt a portion of the fine-grained layer to increase basin recharge capacity.

Upon motion by Director Amezcua, seconded by Director Yoh and carried [5-0], the Committee recommended for approval at the July 16 Board Meeting: Authorize issuance of a Service Agreement with Yellow Jacket Drilling, Inc. to drill soil borings at Anaheim Lake using the sonic drilling method for an amount not to exceed $62,000.
Ayes: Green, Weigand, Yoh, Amezcua, Meeks

8. Authorize Agreement with Hazen and Sawyer for Development of Power BI Dashboard for RO Trains A, B and C

Director of Research Megan Plumlee shared that water/wastewater utilities are implementing real-time dashboards to streamline operations and support data-based decision making. She stated that

a Dashboard allows accessibility by web browser to view summary views, trends and at-a-glance information. She mentioned that staff currently must export data to Excel, plotted manually and shared by email and only at specific licensed District workstations. She stated that Hazen and Sawyer previously implemented a similar dashboard for the Chino Desalter Authority's RO facility, enabling near real-time performance and trend tracking. She reported that staff will trial the secure, cloud-based data platform expected to enable remove data access and offer a dynamic graphical visualization of key performance indicators to enhance tracking of process performance and operational decision-making. Ms. Plumlee advised that this work will build on an ongoing research study funded by the U.S. Bureau of Reclamation (USBR) and led by Hazen to optimize RO operations.

Upon motion by Director Yoh, seconded by Director Weigand and carried [5-0], the Committee recommended for approval at the July 16 Board meeting: Authorize issuance of an agreement with Hazen and Sawyer in the amount of $60,000 for development of a Power BI dashboard to support monitoring and analysis of membrane system performance in RO Trains A, B, and C.
Ayes: Green, Weigand, Yoh, Amezcua, Meeks

INFORMATIONAL ITEMS

9. Emergency Water Supplies to South Orange County Update

Executive Director of Engineering Chris Olsen reminded the committee that back in April, the Board approved the extension of the agreement between Moulton Niguel Water District (MNWD) and the City of Santa Ana, which has since been executed. He committed to providing updates to the committee whenever a meeting occurred or new information became available. He stated that on May 28 a meeting was held involving OCWD, Municipal Water District of Orange County (MWDOC), MNWD, and the City of Santa Ana to discuss a feeder line and identifying the stakeholders to be involved. He stated that as a result of that meeting, a follow-up meeting has been scheduled for July 30th which will include all stakeholders involved and open to all groundwater producers to ensure they have an opportunity to provide input. He advised he will return to the committee with any outcomes and next steps.

CHAIR DIRECTION AS TO ITEMS IF ANY TO BE AGENDIZED AS MATTERS FOR CONSIDERATION AT THE JULY 16 BOARD MEETING

ADJOURNMENT

There being no further business, the meeting was adjourned at 12:29 p.m.

_____
Cathy Green, Chair

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AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: M. Patel/R. Phillips

Budgeted: Yes
Budgeted Amount: $150,000
Cost Estimate: $150,000
Funding Source: R&R
Program/Line Item No.: R24012
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: Cat. Ex.

Subject: AGREEMENT TO BENDER/CCP FOR GWRS PRODUCT WATER PUMP A01 VERTICAL TURBINE PUMP INSPECTION AND REHABILITATION

SUMMARY

The Groundwater Replenishment System (GWRS) Advanced Water Purification Facility (AWPF) consists of five 2,250 horsepower vertical turbine pumps. Four of the five pumps have been in service over ten years and are due for inspection and rehabilitation. These pumps are used to transfer water GWRS product water from the AWPF site in Fountain Valley to the recharge basins in Anaheim. Staff advertised a request for proposals and recommends award of the scope.

Attachment: Bender/CCP quotation

RECOMMENDATION

Agendize for August 20 Board meeting: Authorize issuance of an Agreement to Bender/CCP Inc. for an amount not to exceed $150,000 and establish the Product Water A01 Vertical Turbine Pump Inspection and Rehabilitation project in the amount of $150,000.

BACKGROUND/ANALYSIS

The GWRS AWPF consists of five 2,250 horsepower vertical turbine pumps. These pumps are used to transport GWRS product water from the AWPF site in Fountain Valley to four recharge basins in Anaheim (Kraemer, Miller, Miraloma, and La Palma) as well as to the mid basin injection well field site in Santa Ana consisting of five well sites. Three of the five vertical turbine pumps were put online in 2008 as part of the original GWRS project. One of the five was put into service in 2015 as part of the GWRS Initial Expansion (GWRSIE) and the last of the five pumps was put into service in 2023 as part of the GWRS Final Expansion (GWRSFE). These pumps are maintained as part of the GWRS asset management program, receiving regular preventative maintenance in keeping with manufacturer recommendations. The pumps include an online vibration and temperature monitoring system. In addition, each pump is tested for vibration and temperature analysis on a quarterly basis by an outside testing service. This has allowed pump A01 to run successfully for over ten years, which is the normal recommended industry standard for performing a vertical turbine pump rehabilitation.

Given the age of product water pump A01, staff has budgeted to have the pump removed and sent to a qualified pump repair shop for inspection and rehabilitation.

Staff advertised a Request for Proposal (RFP) to pull the motor and pump, inspect, and perform rehabilitation as needed as part of a preventative maintenance effort. Since the level of rehabilitation required for the pump will not be known until a detailed inspection is performed, the quote was formatted for a base bid to remove and reinstall the pump using an external crane service, inspect the pump, and replacement of key components such as the stuffing box bearing, and main mechanical seal. Three contractors responded before the deadline and one responded too late to be considered, see Table 1. Staff evaluated all three proposals and recommends awarding the work to the most qualified proposer, Bender/CCP, which has a base bid of $56,415. The full level of effort will be determined after a detailed inspection at the proposer's shop. For this reason staff has included a budget of $150,000 in the Refurbishment & Replacement (R&R) budget.

Table 1: Vertical Turbine Pump and Motor Quotes

Firm	Base Bid*
Bender/CCP	$56,415
DXP	$56,815
ITT	$95,008
PAMCO	Proposal received after deadline

*Note: the Base Bid does not include the full scope of work that will be determined after the pump is removed.

PRIOR RELEVANT BOARD ACTION(S)

N/A

Bender CCP, INC. RESPONSE TO:

FPWP A01 INSPECTION AND REFURBISHMENT SERVICES:

Solicitation RFP-24-012

Agency: Orange County Water District

Company Information:

Legal Name: Bender CCP, Inc.
Contact : Cody Robinson
Email: crobinson@benderccp.com
Business Size: Small
Physical and Billing Address: 2150 E. 37th Street, Vernon, CA 90058
Telephone: (323) 232-2371; Fax: (323) 232-1790
Federal Tax ID: 26-1282517
California Resale Permit: SRAA-101-123717
California Contractor's License: 908624
EPA ID: CAL000335740
Dun & Bradstreet: 011567643
NAICS Numbers: 888311 (primary) 336611
SAM Registration Number: 078444248
Cage Code: 6R9B7
JCP #: 0075974

07/16/2025

Table of Contents

6.2 Cover Letter:

July 16th, 2025

Robert Phillips
18700 Ward Street, Fountain Valley, CA 92708
(714) 274-3074

RE: FPWP A01 INSPECTION AND REFURBISHMENT SERVICES

Robert,

Bender CCP, Inc. is pleased to respond to the Solicitation referenced above and feel we are fully qualified to support OCWD with the required repair services. Our company information as well as the complete company legal name is on Page one of this solicitation response. As such we have supplied the information requested in the solicitation on the following pages. The Table of Contents on the previous page will identify all the materials and enclosures being forwarded in response to this Solicitation.

Feel free to request additional information or clarification if needed.

Best Regards,

Cody Robinson

Cody Robinson | Sales Manager | Bender CCP, Inc.

323-232-2371 Office
323-232-1790 Fax
crobinson@benderccp.com
www.benderccp.com

6.4 Contractor License and DIR Contractor Registration, Prevailing Wage Laws Compliance

Contractor License # - 908624 (Copy found on next page)
DIR Contractor Registration # - 1000041163
DIR Expiration Date – 06/30/2027

STATE OF CALIFORNIA

dca

DEPARTMENT OF CONSUMER AFFAIRS

CONTRACTORS STATE LICENSE BOARD

ACTIVE LICENSE

License Number **908624**

Entity CORP

Business Name BENDER CCP INC

Classification(s) A

Expiration Date 01/31/2026

www.cslb.ca.gov

CSLB

6.5 Project Team and Qualification

- Cody Robinson – Project Manager (323) 919-5315, crobinson@benderccp.com
  - Cody will be the Primary POC for this project, and will manager activities between the shop and field work
- Robert Anthony – Equipment Repair Supervisor (562) 519-2219, ranthony@benderccp.com
  - Robert is the Equipment repair supervisor and will oversee the Pump Repair in the Vernon Shop
- Andrew Sanchez – Field Service Supervisor & Shop Technician (213) 298-4677, asanchez@benderccp.com
  - Andrew will be the Lead Field Service Technician for Pump Removal and Installation
- Frank Castaneda – Field Service Technician & Shop Technician
  - Frank will be on site assisting Andrew during Field Service Pump Removal & Installation
- Keith Hibbs Sr. - Vise President of Operations
- Dave Thomsen- Field Service and Shop Welder and Fabricator
- Neal Thomsen- Field Service and Shop Welder and Fabricator

*These Key Personnel mentioned above will be forming the work and will not be substituted without approval from OCWD.

Andrew Sanchez Professional Resume

Vernon, CA 90058 • (213) 298-4677 • sanchezandrewj1234@gmail.com

Professional Summary

Pump Mechanic/Field service technician with a high priority maintaining the best skills and up-to-date industry knowledge. Dependable professional with strong background installing, maintaining, repairing systems and components. Maintains equipment safety and performance with in-depth inspections and corrections. Comfortable meeting challenges and handling multiple priorities and tasks within fast-paced, deadline driven environments.

Work History

Pump Mechanic/Field service Technician, 01/2019 to Current
Bender CCP

- Field Service Technician, Bearing and Seal Changes, Removal and installation of equipment, Use of Laser Alignment, Base plate and grouting installation and leveling.
- Perform preventative & corrective maintenance on various types of equipment.
- Tear down and repair pumps such as vertical pumps, gear boxes, Horizontal split cases, blowers, Valves, compressors, from Chevron, Kinder Morgan and various companies.
- Balance Impellers
- Use precision measurement tools such as micrometers, calipers, and indicators.
- Operate Lathes, Mills, and Grinders, Finish parts at precise measurements and to the specifications of the print.
- Knowledge of Inner Diameter and Outer Diameter Grinding sought out opportunities to learn different types of machines.
- Use of hand and power tools, Training of 25Ton Crane operator, Maintain a clean, neat, and organized work area.
- Some Electrical background such as wiring and unwiring a motor.

Special Projects

- Supervised installation of a 40ft Ebara Vertical Volute Pump for the city of San Diego Metro Pump Station. 2023
- Disassembled, assembled, and Hydrostatic tested a 66”, 90”, and 132” butterfly valves for the Department of Water & Resources. 2021-2023
- In place machining on 3 pump base flanges for the Department of Water and Resources. 2023

Skills

- Maintenance & repairs
- Inspection/quality control
- Troubleshooting
- Documenting and reporting
- Quick learner.

- Self-starter/self-motivation
- Problem solver
- Great communication skills
- Parts Management

Frank Castaneda Professional Resume

Vernon CA 90058

Work Experience

• Overhaul and repair work on all pump station equipment.

• Routine maintenance of pump station, check the incoming flow, look for any debris or abnormalities, check mechanism, replacing the diaphragm, check rubber seals, replace as needed, etc.

• Work with centrifugal pumps, diaphragms, single/double volute, vaned diffusers, pneumatic pumps.

• Specialize in performing maintenance for power plants, pump stations, refineries, and water treatment plants.

• Inspect and diagnose problems, determine troubleshooting action plan.

• Perform corrective maintenance on plant equipment, pump stations, process systems, such as point heaters, exchangers, boilers, drag chain conveyors, belt conveyors, auger screw conveyors, gear boxes, motors, brakes and more.

• Work with hydraulic and pneumatics systems.

• Repairs and maintenance mechanical equipment by performing preventative maintenance.

• Dismantles machinery and removes/replaces defective parts.

• Use hand tools and power tools such as screw drivers, wrenches, drills, and hammers.

• Replace or fix worn or broken parts such as valves, worn belts, etc.

• Other preventive maintenance tasks include checking fluid levels, replace filters, add grease when necessary.

• Use blueprints, schematics, and diagrams to follow code welding procedures.

• Perform high pressure welding, tig /mig/ stick.

• Iron work journeymen for many years very skilled with torch cutting, plasma cutting, arc gauging.

• Very familiar with lock out tag out procedures and safety orientated.

Special Projects

• In place machining on 3 pump base flanges for the Department of Water and Resources. 2023

Frank Castaneda
Vernon CA 90058

Dave Thompson Professional Resume

Field and Shop Welder. BENDER CCP

329 E Hurst St | 626-485-0503

Skill Summary:

- I am a very experienced welder with multiple certifications and references. I am very dependable, reliable, and detail oriented. I am looking to further my career within the local welding industry. I have included multiple references as well as a letter of recommendation.

Experience:

02/2016-Present- Bender CCP

- I perform a variety of duties including welding, grinding, management of welding department.
- Field Service Welding
- Shop Welding
- Fabrication

05/2009-01/2016- Certified Welder/Lead Foreman/WelderTrainer, Therma•Flite

- I performed a variety of duties including welding, grinding, management, operations, human resources, and employee development. I have experience in assembly, shipping and receiving, pressure vessels, codework, print reading. I have received certifications in OSHA 30-Hour General Industry Outreach Training, Management

04/2008-03/2009- Certified Welder, Sharp Precision

- Training/Certification, 6g TIG and FCAW, Hardwire Certified, 6g stick certified, stainless steel, crane and forklift operator, experience with torch and plasma, as well as excellent trouble shooting skills.

02/2005-03/2008 Welder, Metal Fx

- TIG, Hardwire, Stainless Steel, aluminum, carbon steel, tolerance .010+-

02/2002-02/2005 Welder, Peter Pugger

- Shipping and Receiving, welding, machining, assembly, general shop labor

Education

- 2002- High School Diploma, Ukiah High School

References

- Jeff Henson, The Systems Group, 870-310-1139
- Robert Camfield, Therma-Flite 510-209-4860

Chad Saxton, Conifex, 870-918-4711

ROBERT ANTHONY

riverside, CA 92509

(562) 519-2219

robert.thomasanthony@gmail.com

SUMMARY

Experienced Shop and Field Service Technician offering proven safety record, Performance-oriented nature and strong history of accomplishments in these types of environments. Skillfully work and mentor less experienced team members to optimize performance and improve quality. Reliable, diplomatic and industrious when resolving concerns. Capable of thinking outside of the box in order to trouble shoot and solve complicated mechanical problems in complex repairs.

SKILLS

- Certificate of Journeymen Status
- Trained in the use of a wide spectrum of Precision measuring tools
- Laser Alignment
- Vibration analysis
- Hytorc Certified
- Trained in the use of the Riverhawk
- Proficient in stacking and de-stacking rotor assemblies
- Trained in Single and Two Plane Dynamic Balancing of Rotor

EXPERIENCE

July 2022 - Current
Rotating Equipment Manager Bender CCP | Vernon, CA

- Coordinated work between team, other departments, subcontractors and customers.
- Minimized customer callbacks and equipment failure by reviewing job upon completion.
- Mentored and trained new employees on processes, flow and safety procedures.
- Explained and recommended service options to customers and detailed costs.
- Communicated with vendors, upper management and peers.
- Diagnosed and repaired mechanical issues according to industry standards.
- Reviewed blueprints and manuals to repair and restore optimal functionality.
- Managed team of 8 service technicians in installation projects.
- Oversaw repair and maintenance of more than 50 pieces of equipment simultaniously to maintain productivity and Quality
- Completed dozens of scheduled and unscheduled emergency repairs

July 2022 - Current
Field Service Supervisor Bender CCP | Vernon , CA

- Bearing and Mechanical Seal Changes in both shop and field atmospheres
- Complete overhauls of Large Split Case Pumps, Gearboxes, and Screw Compressors
- Measuring Outside Dimensions and Run out on Military Propulsion Shafts
- Measuring Wall Thickness on Military Propulsion Shafts
- Dynamic Balancing of Rotor Assemblies
- Field Installation & Alignment of Motors, Pumps, Gearboxes, and Compressors.
- Field Vibration Analysis of various pieces of equipment
- Laser Alignment
- Train Alignments
- Schedule and Coordinate small and large projects.

February 2022 - July 2022
Service Foreman Brax Company | Ontario, CA

- Delivered positive reinforcement and constructive criticism for employee work efforts.
- Inspected completed work to assess quality and identify skill gaps.
- Determined schedules, sequences and assignments for work activities, based on priority, quantity of equipment and personnel skill.
- Worked successfully with diverse group of coworkers to accomplish goals and address issues related to our products and services.
- Worked closely with team members to deliver project requirements,

Assemblies
- Troubleshooting on Steam Turbines and Centrifugal Pumps
- Certified in Rigging and Crane Operation
- Proficient in Bore Sweeps and Bearing Alignment
- Experience in writing up inspection reports for Customers using Microsoft Word
- Experience in leading a Environmental Health & Safety Team
- Knowledge in standard industry repairs
- Experience in taking the lead on several repair projects
- Skilled in thinking outside of the box
- Open to new techniques and other's ideas
- Specifications Interpretation
- Hydraulic Press Operation
- Employee Safety Training
- Visual Inspection
- Tool and Parts Inventory Oversight
- Job Prioritizing
- Safety Compliance
- Assignment Delegation

develop solutions and meet deadlines.
- Juggled multiple projects and tasks to ensure high quality and timely delivery.
- Demonstrated leadership by making improvements to work processes and helping to train others.
- Provided excellent service and attention to customers when face-to-face or through phone conversations.
- Rebuilt various styles of pumps such as Close Coupled End Suction Pumps, Horizontal and Vertically Split Case Pumps, Vertical Inline Pumps and Deep Well Pumps.
- Installed new pumps and motors in the field as well as changing out suction and discharge piping and valves.
- Some Installations of Control Panels and Float Systems.
- Helped customers diagnose and correct issues with their pumps, motors or control panels over the phone and onsite.

January 2018 - February 2022
General Technician Siemens Energy | Rancho Dominguez, CA

- Managed quality control and maintained high level of customer satisfaction.
- Followed safety practices to safeguard against injury and damage to property.
- Disassembly of Single Stage Steam Turbines, Multistage Steam Turbines, Centrifugal Gas Compressors, Diesel Engines, and Reciprocating Compressors.
- Unstacking and Stacking of Turbine and Centrifugal Gas Compressor Rotors.
- Shrink-fit bushings, sleeves, rings, liners, gears, and wheels to specified dimensions and settings using liquid nitrogen and portable gas heating equipment.
- Dynamic Balancing of Single Stage Turbine Rotors and some Multistage Turbine Rotors.
- Cleaned, Stoned and precision measured all critical fits and dimensions using precision tooling.
- Cross Checked all measured sizes against schematics and verify if they were still with in tolerance.
- Generated a parts list request using the Bill of Material and Schematics for all wearable and excessively worn parts.
- Test Run of Single Stage Turbines capable of being ran on compressed air in order to set running speed and over speed trip.
- Inspected and validated repairs before delivery.
- Restored product condition using proven techniques.
- Led the Environmental Health & Safety Program for the Los Angeles Service Center performing such duties as holding morning tool box safety meeting on various topics, keeping all safety devices maintained and recorded all services. Discussed new company policy changes and SDS with all shop personnel.
- Delivered on-the-job training and development initiatives to new hires and contractors.
- Updated logs and job reports for completed and pending service calls at shift end.
- Adhered to applicable regulations, policies and procedures for health, safety and environmental compliance.
- Participated in training to maintain technical expertise and proficiency on applicable equipment.

April 2003 - January 2018
Millwright Journeyman Millwright, Ethos Energy | Santa Fe Springs, CA

- Cleaned and Stoned all machined surfaces and parts
- Disassembly of Steam Turbines, Reciprocating compressors, Centrifugal Compressors, Vertical Turbine Pumps, Horizontal and Vertical Split Case Pumps, Plunger Pumps, Butterfly Stop Valves and Hydraulic Servos
- Reading of schematics and utilizing mechanical reasoning skills when no schematics were available.
- Measure critical fit dimensions of parts to ensure the proper running clearances are kept.
- Trained in the use of various precision measuring tools such as Outside Micrometers, Inside Micrometers, Depth Micrometers, Dial and Vernier Calipers, Pie Tapes, Deflection Gauges and Indicators, Bore Gauge and Electronic Run out
- Reassembly of Steam Turbines, Reciprocating Compressors, Centrifugal Compressors, Vertical Turbine Pumps, Horizontal and Vertical Split Case Pumps, Plunger Pumps, Butterfly Stop Valves, and Hydraulic Servos.
- Grout capping and the grouting in of pumps on a concrete base.
- Installation of built equipment on to a base in the filed
- Double Reverse Alignment of equipment
- Laser Alignment and Train Alignment using Rotalign and Optalign software.
- Live Trend Alignment on High Temp equipment to record growth to establish a base cold offset alignment for the unit.
- Pipe strain on installed equipment
- Signaled crane operator to lower basic assembly units to bedplate and aligned unit to centerline.
- Moved machinery and equipment weighing over 140,00o pounds using hoists, dollies, rollers and trucks.
- Completed routine preventive maintenance on heavy equipment, minimizing machinery downtime.
- Used and maintained shop equipment to prevent downtime and reduce safety hazards.

EDUCATION AND TRAINING

August 2008
Journeyman | Industrial Mechanical
Millwright Training Center, Whittier

June 2000
High School Diploma
La Serna High School, Whittier, CA

Some College (No Degree)
Rio Hondo College, Whittier, CA

REFERENCES

Tom Anthony, Former VIP of Ethos Energy, Retired

(310) 863-6471 - Tom.anthony758@gmail.com - Former Manager, Father
Matthew Horton, General Technician, Siemens Energy
(951) 719-6300 - Matthew.horton@siemens-energy.com - Co-Worker
Terry Carpenter, Former Field Service Coordinator Bender CCP, Former
Service Manager of Brax Company
(909) 419-1516

6.6 Project Overview and Approach

Bender CCP is excited to create a strong relationship in which we can discuss objectives, recommendations and solutions to issues that arise at OCWD. Bender CCP takes great pride in providing quality turnkey overhauls. Here in Vernon we have appx. 120,000 sq./ft of machine/repair shop space. Bender CCP is a leader rotating equipment repair, and we are excited for the opportunity to work with the OCWD team again.

Once awarded the contract, Bender CCP will schedule with OCWD for the Field Service crew to mobilize on site and remove the pump under this contract. Once the pump is removed, we will transport to our Vernon Repair shop and perform the Dissasembly. At that point, we will provide OCWD with a detailed As Found Inspection along with repair recommendations. Once Approved, we will perform repairs and Schedule with OCWD crew to get the pump back on site for Installation.

Bender CCP's Quality Team will be involved in the project starting with the As Found Inspection and follow the project until Finish to ensure a quality repair.

Bender CCP can carry out all 3 repairs for contracts RFP-24-010, RFP-24-011 & RFP-24-012. We would remove one after another, complete shop repairs simultaneously and install when ready.

6.7 Additional Services

Bender CCP would like to get the pumps disassembled and discuss any repair options / suggestions at that time. There are many possibilities that include Bearing Upgrades, Shaft Upgrades, Mechanical Seal Upgrades which should be thoroughly thought through and discussed with OCWD when the time comes.

6.8 Experience and Record of Past Performance

Elsinore Valley Municipal Water District

31315 Channey St.
Lake Elsinore CA, 92530
Marcos Dillaway
(951)-816-2425
Performed jobs anywhere from complete pumps overhauls, field service troubleshooting, seal and bearing changes to manufacturing new pump shafts and parts.
Key Personnel:
Cody Robinson – Field Service Manager
Andrew Sanchez – Field Service Supervisor
Frank Castaneda – Lead Field Tech

Robert Anthony – Equipment Repair Supervisor
Project:
Field service removed and replace an aerator and gearbox. The customer has appx. 10 of these and we are swapping them all out. We have done about 6 so far.
Completed: 10/02/2019 – Current

Plains all American

5900 Cherry Ave.
Long Beach, CA 90805
Andy Hall
(562) 728-2365
ACHall@paalp.com
Performed jobs anywhere from complete pumps overhauls, field service troubleshooting, seal and bearing changes to manufacturing new pump shafts and parts.
Key Personnel:
Cody Robinson – Field Service Manager
Andrew Sanchez – Lead Field Tech
Frank Castaneda – Field Tech
Robert Anthony – Equipment Repair Supervisor
Project:
Removed and repaired 3 stage vertical pump, delivered back to job site and reinstalled
Completed: 01/28/2023 - $34,429.00

Kinder Morgan

2051 E. Slover Ave.
Bloomington, CA 92316
Jack Daily
(909)-877-2414
Performed jobs anywhere from complete pumps overhauls, field service troubleshooting, seal and bearing changes to manufacturing new pump shafts and parts.
Key Personnel:
Cody Robinson – Field Service Manager
Andrew Sanchez – Lead Field Tech
Frank Castaneda – Field Tech
Robert Anthony – Equipment Repair Supervisor
Project:
Field Service to Pull Out Vertical Sump Pump at Kinder Morgan Colton North, Transport To Shop, DCI & Repair, deliver back to site, install and align motor to pump

Orange County Sanitation District

18480 Bandilier Cir

Fountain Valley, CA 92708
Andrew Taylor
714-331-3974
Awarded Contract to Remove and Repair 2 Ebara Vertical Pumps, currently in the process of repairs on the first pump. Will then install and remove pump # 2 for repair
Key Personnel:
Cody Robinson – Project Manager
Andrew Sanchez – Lead Field Tech
Frank Castaneda – Field Tech
Robert Anthony – Equipment Repair Supervisor
Project:
Repair Spare MSP Pump, Pull MSP # 1 and Install Repaired Spare, Repair MSP # 1 and Install in MSP # 6 Location. Project Value $1,000,000.00

6.9 Price Proposal

The Rates Provided in this Proposal will remain in effect for the duration of the Contract.

6.9.1 Price Proposal

*See Fee Proposal Attachment for RFP Estimate
*Monthly Billing to be done based on Completion of Each Estimate Line Item the Prior Month

QUOTE

2150 East 37th Street
Vernon, CA 90058
323-919-5315

QUOTE RFP-24-012
DATE 7/16/2025
SALES REP. Cody Robinson

TO: Orange County Water District

ATTENTION: Robert Phillips

ITEM	QTY	UNIT	DESCRIPTION	UNIT COST	TOTAL
			LABOR - PRICE PER PUMP - FPWP A01		
1	40	Hrs	FIELD SERVICE TO TRAVEL TO SITE AND REMOVE PUMP AND MOTOR	$ 182.00	$ 7,280.00
2	1	LS	Bragg Crane Subcontractor for Removal of Pump Price Includes Rigger / Signal Person & a Lift Plan	$ 11,897.00	$ 11,897.00
3	1	LS	TRANSPORT PUMP BACK TO BENDER CCP SHOP (Subcontractor)	$ 1,250.00	$ 1,250.00
4	6	Hrs	INSPECT SOLE PLATE FOR LEVELNESS	$ 182.00	$ 1,092.00
5	38	Hrs	DISSASEMBLE PUMP COMPLETE	$ 139.00	$ 5,282.00
6	26	Hrs	INSPECT PUMP PER REQUIRED CONTRACT SCOPE - SCOPE #'S 3,4,5,6,7 & 8	$ 139.00	$ 3,614.00
7	4	Hrs	BUILD AS-FOUND INSPECTION REPORT & BOM	$ 139.00	$ 556.00
8	1	LS	Mechanical Seal Repair (This is an Estimate)	$ 2,875.00	$ 2,875.00
9	4	Hrs	TRANSPORT PUMP BACK TO OCWD	$ 120.00	$ 480.00
10	56	Hrs	FIELD SERVICE TO TRAVEL TO SITE AND INSTALL PUMP, ALIGN AND TEST RUN PUMP	$ 182.00	$ 10,192.00
11	1	LS	Bragg Crane Subcontractor for Installation of Pump Price Includes Rigger / Signal Person & a Lift Plan	$ 11,897.00	$ 11,897.00
12	58	Hrs	Field Machine Soleplate if Needed (Not Included in Total Price Below)	$ 205.00	$ 11,890.00
			TOTAL PRICE FOR RFP-24-012 PER CONTRACT SCOPE IN EXHIBIT A-1		$ 56,415.00

Project Schedule by Line Item

Removal of Pump – Bender CCP will Schedule to Remove the Pump with OCWD within 1 week of Contract Award – Removal of Pump will be 2-3 Days On-Site. Bender CCP will work with Bragg Crane to provide a Detailed Procedure for Safe and Efficient Removal of the Pump

Examination of Soleplate – We will perform this the same day the pump is removed

Inspection of Items 3-8 – Appx. 3 weeks after pump is removed

Re-Installing the Pump and Test Run – 3-4 Days

6.10.1 Contractor Safety Program

Signed Contractor Environmental Health and Safety Form

CONTRACTOR'S ENVIRONMENTAL HEALTH & SAFETY AGREEMENT

I have read the information stated in the OCWD's Contractor Environmental Health & Safety Handbook. I understand that the information provided covers brief highlights of the OCWD's safety programs. It is my responsibility to review the updated programs and communicate the safety information & requirements to my employees.

I understand that the Contractor's Environmental Health & Safety Handbook is not intended to replace Federal, State or Local regulations regarding Contractor performance. Contractor shall keep itself fully informed of all existing and future state and federal laws and all county and city ordinances and regulations which in any manner affect the activities of Contractor and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. Contractor (including contractor employees and subcontractors) shall at all times observe and comply with all such existing and future laws, ordinances, regulations, orders and decrees, and shall protect and indemnify OCWD, its officers, directors, employees and agents against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order or decree.

Contractor Company: Bender CCP, Inc.

Contractor Name & Title (Please Print): Cody Robinson, Sales Manager

Contractor Signature: Cody Robinson

Date: 07/15/2025

FORWARD A SIGNED COPY OF THE CONTRACTOR'S AGREEMENT PAGE TO RISK & SAFETY DEPARTMENT

APPENDIX B

INSTRUCTIONS FOR CONTRACTORS

All licensed contractors interested in performing work for Orange County Water District (OCWD) must complete and provide the information requested in the "Contractor Required Information packet;" meet the criteria listed below and participate in a pre-project safety orientation meeting:

The Criteria below is required in order to comply with OCWD's Contractor Safety Program and Cal/OSHA's Multi-Employer Worksite Standard*****

*****_California Labor Code Sections 6400, 6401, 6401.7, 6402 through 6404 and Title 8, California Code of Regulations, Sections 336.10 and 336.11_

CONTRACTOR CRITERIA REQUIREMENTS:

☐ EMR greater than 1.25 for any year in the last three years.

☐ Received a Cal/OSHA regulatory citation and penalties assessed against your firm for any "serious," "willful" or "repeat" violation as defined by Cal/OSHA, Title 8, sections §330 and §334, in the past three years?

Yes ☐ No ☐

If "yes," attach a separate signed page describing the citations, including information about the dates of the citations, the nature of the violation, the project on which the citation(s) was or were issued, the amount of penalty paid, if any. If the citation was appealed and a decision has been issued, state the case number and the date of the decision.

NOTE: If you have filed an appeal of a citation, and the Appeals Board has not yet ruled on your appeal, you need not include information about it.

☐ Failure to provide all requested information.

NOTE: if the contractor is disqualified based on the information above, the awarding body will analyze the issues using the following two factors for potential consideration of the award:

1. Whether the incident was a good faith mistake and, if so, the error was promptly and voluntarily corrected when brought to the attention of the Contractor or Subcontractor, AND

2. Whether the Contractor or Subcontractor has a prior history of good performance, and the incident was openly reported, and the triggering event is not related to a major scope of work, caused by negligence, or resulted in regulatory violations or civil liability against awarding bodies.

Any policy year above 1.25 submit additional documentation to show incidents that resulted in increased EMR subject to review by the awarding party.

APPENDIX B: CONTRACTOR REQUIRED INFORMATION

Part 1: CONTRACTOR INFORMATION SECTION - To Be Completed By Contractor

- ❑ Contractor's Name: BENDER CCP
- ❑ Contractor's License (copy of license if applicable): _____
- ❑ California Registration Number (if applicable): _____
- ❑ Experience Modification Rate (EMR) for each of the past three premium years:

  Current year: 0.57 Previous year: 0.59 Year prior to previous year: 0.68

- ❑ Copy of 3 Years of OSHA 300A Annual Summary (If greater than 10 employees)
- ❑ How many serious injuries or fatalities has your company experienced in the past three years? 0
- ❑ How many Regulatory Violations has your company had in the last 3 years? 2

Part 2: SAFETY PROGRAM SECTION - To Be Completed By Contractor

All Written Safety Programs & Training Documentation must be available to OCWD upon request	YES	NO
Does your company maintain a written Injury Illness Prevention Program (IIPP) in accordance with GISO, Title 8, Section §3203 and §1509 and Labor Code (LC §6401.7)?	☒	☐
Does your company provide toolbox training and maintain documentation for IIPP employee training [§3203 and §1509(b)]?	☒	☐
Does your company maintain and post "Code of Safe Practices" documentation [Title 8, §1509(b)] ?	☒	☐
Does your company maintain disciplinary documentation for unsafe behavior of employees or subcontractors (if applicable) [Title 8, §3203 and §1509] ?	☒	☐
Does your company maintain inspection records and written evidence that safety and health concerns have been reviewed and corrective actions taken [§3203, LC§6401.7(b) and (D)]?	☒	☐
Does your company maintain a documented Hazard Communication Program that complies with GHS Labeling and Safety Data Sheets (SDS) [8 CCR §5194]?	☒	☐
Are procedures in place for communicating critical high-risk job activities, including a written safety plan or Job Safety Analysis (JSA), to ensure they are reviewed with all employees and subcontractors [LC 6401.7(a)(5)]?	☒	☐
Does your company have a written accident investigation program that ensures all accidents and incidents, including those involving subcontractors, are thoroughly investigated and corrective actions are implemented [§3203(a)(5) and (b) and §1509]?	☒	☐
Does your company have a written Emergency Action Plan that is effectively communicated to employees and subcontractors, covering emergencies such as medical incidents, fires, and chemical spills [8 CCR §3220]?	☒	☐
Are the aforementioned written programs, including training documentation and records of safety meetings, properly maintained on file and available upon request [LC §6401.7, §336.10, and 8CCR §1509(e)]? If yes, where are the documentations maintained? Company V:Drive	☒	☐

APPENDIX B: CONTINUED

Part 2 – PROJECT SPECIFIC SAFETY PROGRAM SECTION - To Be Completed By Contractor
(Please review each section below, check all that apply to the project, and provide the corresponding documentation details.**)**

☒ Our company has a written Confined Space Program that includes pre-entry monitoring, pre-entry permit, and employee training [T8 CCR §5157]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☒ Our company has a written Electrical Safety Program that complies with the required regulations that includes employee training [T8 CCR §2700 - §2989 and T8 CCR §2299 - §2599 and NFPA 70E]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☒ Our company has a written Fall Prevention Program that includes Personal Fall Arrest Systems, Personal Fall Restraint Systems, Positioning Devices and employee training [T8 CCR §1670]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☐ Our company has a written Trenching & Excavation Program that includes employee training [T8 CCR §1541.1]

Where is the documentation maintained? _____

☒ Our company has a written Lockout/Tagout Program that includes employee training [T8 CCR §3314(j)]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☒ Our company has a Hot Work Program that includes employee training [T8 CCR §4848]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☐ Our company has a Traffic Control Program that includes employee training [T8 CCR, Construction Safety Orders, Article 11, 1597 - 1599]

Where is the documentation maintained? _____

☒ Our company has a documented Heat Illness Prevention Program for Outdoor Worksites, which includes comprehensive employee training. All contractors are expected to protect the workers by implanting measures to prevent heat illness **AND** to adjust their work practices to mitigate fire risks. During a "Red Flag Warning," extra precautions must be taken to prevent potential fire hazards [T8 CCR §3395]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

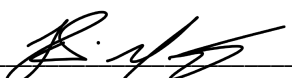
Other applicable programs (please list): _____

Contractors shall ensure that all employees under their supervision, including subcontractors, receive comprehensive training in the safe work practices required to perform their jobs safely. Additionally, contractors are responsible for effectively communicating the Job Safety Plan to all employees and subcontractors, ensuring full understanding and compliance with safety protocols.

COMMENTS: _____

Ivan Magaña

Name of Contractor Representative (please print)



7/15/2025

Contractor Representative's Signature **Date Signed:**

A bidder's failure to respond affirmatively to the questions listed in the "Part 2 - Safety Program Section" of Appendix B including the sections applicable to the work shall be grounds for the District to reject the bid as non-responsive.

APPENDIX B: CONTINUED

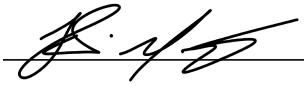
CONTRACTOR'S ENVIRONMENTAL HEALTH & SAFETY (EHS) AGREEMENT

I have read the information stated in the OCWD's *Contractor Environmental Health & Safety (EHS) Handbook*. I understand that the information provided covers brief highlights of the OCWD's safety programs. It is my responsibility to review the updated programs and communicate the safety information & requirements to my employees.

I understand that the Contractor's Environmental Health & Safety Handbook is not intended to replace Federal, State or Local regulations regarding Contractor performance. Contractor shall keep itself fully informed of all existing and future state and federal laws and all county and city ordinances and regulations which in any manner affect the activities of Contractor and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. Contractor (including contractor employees and subcontractors) shall at all times observe and comply with all such existing and future laws, ordinances, regulations, orders, and decrees, and shall protect and indemnify OCWD, its officers, directors, employees and agents against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order or decree.

Contractor Company: BENDER CCP

Contractor Name & Title (Please Print): Ivan Magaña EHS Manager

Contractor Signature: 

Date: 7/15/2025

6.10.2 Safety Manual

Attached in this proposal is a copy of our Safety Manual

6.10.3 Quality Control Plan

Bender CCP will have a Quality Engineer assigned to this project who will work alongside the Project Manager (Cody Robinson) to ensure the highest quality repairs.

6.11 Statement of Insurance Compliance

Bender CCP will meet the insurance requirements as set forth in the Services Agreement.

6.12 OCWD Standard Agreement

Bender CCP Accepts the Terms set forth in the Services Agreement in Exhibit C.

6.13 Billing

Bender CCP will meet the requirements specified for each Invoice Submitted

6.14 Conflict of Interest

Bender CCP, its Employees or its Subcontractors do not have any Conflicts of Interest on this Project.

6.15 Equal Employment Opportunity and Affirmative Action Requirements

Bender CCP agrees and follows Equal Employment Opportunity and Affirmative Action Requirements

ORANGE COUNTY WATER DISTRICT
18700 Ward Street
Fountain Valley, California 92708

ADDENDUM NO. 1
FOR
REQUEST FOR PROPOSALS (RFP-24-012)
FPWP A01 INSPECTION AND REFURBISHMENT SERVICES
6/26/25

T/his addendum serves as written notice of the following corrections, clarifications, additions and/or deletions to any and all copies of the Request for Proposals for FPWP A01 Inspection and Refurbishment Services for OCWD.

The proposer shall execute the certification at the end of this addendum and shall attach it to the proposal submitted.

---

1. RFP Revisions

a. Please refer to Attachment A-1 of this Addendum No.1 for referenced RFP revisions attachment.

ATTACHMENT A-1

RFP Revisions

The Orange County Water District ("OCWD" or District) is seeking proposals from qualified and experienced firms to provide FPWP A01 Inspection and Refurbishment Services. OCWD intends to evaluate the proposals received and enter into a ~~Three-Year~~ General Services Agreement ("Agreement") with the qualified firm. The work is expected to commence immediately upon Agreement execution. This Agreement will be for a minimum term of one year. The Agreement will be monitored closely for acceptable services rendered throughout the Agreement term. OCWD will have the option to terminate the contract in whole or in part during the Agreement term, for any reason or no reason, without penalty, upon notice. The proposer will not be entitled to lost profits or any other compensation not earned prior to the time of termination.

This Request for Proposal ("RFP") describes the required scope of services, the information that must be included in the proposal, and the proposal selection process. Proposers are encouraged to carefully review this RFP in its entirety prior to submitting their proposals. Failure to submit information in accordance with these requirements and procedures may be cause for disqualification.

1. INTRODUCTION

The OCWD is an internationally recognized leader in the water industry that was formed in 1933 by the California State Legislature which entrusted OCWD to guard and protect the region's groundwater basin and limited water supply. OCWD's mission is to provide a reliable supply of high-quality water that is sourced in an environmentally responsible manner to the more than 2.5 million residents and businesses within the 270 square mile service area of Orange County, California that OCWD serves. OCWD manages three of Southern California's greatest water supplies, this includes protecting rights to the Santa Ana River, managing and replenishing the Orange County Groundwater Basin, and operating and maintaining the Groundwater Replenishment System (GWRS), the world's largest advanced water purification system for potable water reuse. More information regarding the OCWD can be found at www.ocwd.com.

2. SOLICITATION SCHEDULE

The solicitation schedule is summarized in the table below. OCWD reserves the right to modify the schedule below at its discretion. Proper notification changes will be made to interested proposers.

RFP Issued	Monday June 16, 2025
Pre-Proposal Meeting (mandatory)	Thursday, June 26, 2025 at 9:00AM PT
Questions Due Date	Wednesday, July 2, 2025 at 10:00AM PT
Proposals Due	Wednesday, July 16, 2025 at 10:00AM PT
Agreement Award Date:	August 2025

2.1. MANDATORY PRE-PROPOSAL MEETING

The mandatory pre-proposal meeting will be held on Thursday, June 26, 2025 at 9:00AM PT. The meeting will begin at the Board Room at the Orange County Water District's

END OF ADDENDUM

MANDATORY FORM

ACKNOWLEDGE RECEIPT OF ADDENDUM NO. 1

Request for Proposal (RFP-24-012)

FPWP A01 INSPECTION AND REFURBISHMENT SERVICES
6/26/25

Proposer shall acknowledge receipt of this addendum by detaching, signing and attaching to his/her proposal, one (1) copy of this sheet.

I, Cody Robinson, Bender CCP, Inc.

Name of Proposer, Company Name

2150 East 37th Street, Vernon CA, 90058

Address, City, State, Zip

Hereby acknowledge receipt of Addendum No. 1 to the **Request for Proposal (RFP-24-012) FPWP A01 Inspection and Refurbishment Services** and have considered these revisions in the preparation of my proposal. This addendum, consisting of this acknowledgement, shall become a part of any contract made pursuant thereto.

Cody Robinson

Proposer's Signature

Cody Robinson

Printed Proposer's Name

07/15/2025

Date

ORANGE COUNTY WATER DISTRICT
18700 Ward Street
Fountain Valley, California 92708

ADDENDUM NO.2
FOR
REQUEST FOR PROPOSALS (RFP-24-012)
FPWP A01 INSPECTION AND REFURBISHMENT SERVICES
7/7/25

T/his addendum serves as written notice of the following corrections, clarifications, additions and/or deletions to any and all copies of the Request for Proposals for FPWP A01 Inspection and Refurbishment Services for OCWD.

The proposer shall execute the certification at the end of this addendum and shall attach it to the proposal submitted.

---

1. Q&A Table

a. Please refer to Attachment A-1 of this Addendum No.2 for the Q&A Table.

ATTACHMENT A-1

Q&A Table

Q A Table

REQUEST FOR PROPOSALS (RFP-24-012)
FPWP A01 INSPECTION AND REFURBISHMENT SERVICES
7/7/25

No.	QUESTIONS	ANSWERS
1	The scope of services includes new mechanical seals. This was not discussed at the pre-bid meeting. Please confirm if new mechanical seals are to be included in the pricing. If so, please provide the necessary information for the mechanical seals.	This was discussed in the pre-bid meeting, bids must include new or OEM rebuilt seals.
2	Please confirm if the removal of pump motors is to be included or if that is done by others. If it is to be included, please provide the location where we are to place the motor after removal.	As discussed in the pre-bid meeting ALL disassembly, including motor removal, is the responsibility of the winning bidder. The motors will be placed at a location outside the buildings. The winning bidder must provide a motor stand.
3	Please provide the distance from the pump/roof hatch to where the crane is to be set up. This will help with selecting the correct size crane.	As discussed in the pre-bid meeting the Crane set up, capacity, rigging, etc. is at the sole discretion of the winning bidder/ crane subcontractor. Winning bidder is responsible for providing a safe and effective lifting plan.

END OF ADDENDUM

MANDATORY FORM

ACKNOWLEDGE RECEIPT OF ADDENDUM NO.2

Request for Proposal (RFP-24-012)

FPWP A01 INSPECTION AND REFURBISHMENT SERVICES
7/7/25

Proposer shall acknowledge receipt of this addendum by detaching, signing and attaching to his/her proposal, one (1) copy of this sheet.

I, Cody Robinson, Bender CCP, Inc.

Name of Proposer, Company Name

2150 East 37th Street, Vernon CA, 90058

Address, City, State, Zip

Hereby acknowledge receipt of Addendum No.2 to the **Request for Proposal (RFP-24-012) FPWP A01 Inspection and Refurbishment Services** and have considered these revisions in the preparation of my proposal. This addendum, consisting of this acknowledgement, shall become a part of any contract made pursuant thereto.

Cody Robinson

Proposer's Signature

Cody Robinson

Printed Proposer's Name

07/15/2025

Date

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: M. Patel/R. Phillips

Budgeted: Yes
Budgeted Amount: $150,000
Cost Estimate: $150,000
Funding Source: R&R
Program/Line Item No.: R25016
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: Cat. Ex.

Subject: AGREEMENT TO BENDER/CCP FOR GWRS REVERSE OSMOSIS PUMP E03 VERTICAL TURBINE PUMP INSPECTION AND REHABILITATION

SUMMARY

The reverse osmosis (RO) treatment process used in the Groundwater Replenishment System (GWRS) Advanced Water Purification Facility (AWFP) contains twenty seven individual five million gallon per day RO units. Each RO unit contains a one thousand horsepower high pressure feed pump. Staff advertised a request for proposals to inspect and rehabilitate one of the twenty seven high pressure feed pumps (E03) and recommends award of the scope.

Attachment: Bender/CCP proposal

RECOMMENDATION

Agendize for August 20 Board meeting: Authorize issuance of an Agreement to Bender/CCP Inc. for an amount not to exceed $150,000 and establish the Reverse Osmosis E03 Vertical Turbine Pump Inspection and Rehabilitation project in the amount of $150,000.

BACKGROUND/ANALYSIS

The GWRS RO treatment facility consists of 27 RO units each capable of producing 5-mgd with one unit in reserve. There are fifteen original RO units in operation since 2008, six that were added in 2015 as part of the GWRS Initial Expansion, and six additional units added as part of the recently completed GWRS Final Expansion. Each unit contains an individual one thousand horsepower vertical turbine pump. This pump provides the necessary pressure to force microfiltered water through the RO membranes within the unit.

Pump E03 is manufactured by Afton and was first installed in 2007 as part of the GWRS original construction project. This pump is a four stage vertical turbine pump with stainless steel components and contains several carbon bearings (one per bowl and one at the stuffing box). The RO high pressure feed pumps are maintained as part of the GWRS asset management program receiving regular preventative maintenance in keeping with manufacturer recommendations. The pumps include an online vibration and temperature monitoring system. In addition, each pump is tested for vibration and

temperature analysis on a quarterly basis by an outside testing service. This has allowed pump E03 to run successfully for over seventeen years, with the normal recommended industry standard for performing a vertical turbine pump rehabilitation being every ten years. Given the age of product water pump E03, staff has budgeted to have the pump removed and sent to a qualified pump repair shop for inspection and rehabilitation.

Staff advertised a Request for Proposal (RFP) to pull the motor and pump, inspect, and perform rehabilitation as needed as part of a preventative maintenance effort. Since the level of rehabilitation required for the pump will not be known until a detailed inspection is performed, the quote was formatted for a base bid to remove and reinstall the pump using an external crane service, inspect the pump, and replacement of key components such as the stuffing box bearing, and main mechanical seal. This includes replacing carbon bearings within the pump with a new bearing material called PEEK that may provide a longer bearing life. Three contractors responded before the deadline and one responded too late to be considered, see Table 1. Staff evaluated all three proposals and recommends awarding the work to the most qualified proposer, Bender/CCP, which has a base bid of $25,273. As compared with the reverse osmosis transfer and final product water pumps, the RO high pressure feed pumps can be removed using an existing building bridge crane. This eliminates the need for proposers to hire an outside crane service as is required for removal of the RO transfer and final product water pumps. The full level of effort will be determined after a detailed inspection at the proposer's shop. For this reason staff has included a budget of $150,000 in the Refurbishment & Replacement (R&R) budget.

Table 1: Vertical Turbine Pump and Motor Quotes

Firm	Base Bid*
Bender/CCP	$25,273
DXP	$39,895
ITT	$103,402
PAMCO	Proposal received after deadline

*Note: the Base Bid does not include the full scope of work that will be determined after the pump is removed.

PRIOR RELEVANT BOARD ACTION(S)

N/A

Bender CCP, INC. RESPONSE TO:

REVERSE OSMOSIS E01 PUMP INSPECTION AND REFURBISHMENT:

Solicitation RFP-24-010

Agency: Orange County Water District

Company Information:

Legal Name: Bender CCP, Inc.
Contact : Cody Robinson
Email: crobinson@benderccp.com
Business Size: Small
Physical and Billing Address: 2150 E. 37th Street, Vernon, CA 90058
Telephone: (323) 232-2371; Fax: (323) 232-1790
Federal Tax ID: 26-1282517
California Resale Permit: SRAA-101-123717
California Contractor's License: 908624
EPA ID: CAL000335740
Dun & Bradstreet: 011567643
NAICS Numbers: 888311 (primary) 336611
SAM Registration Number: 078444248
Cage Code: 6R9B7
JCP #: 0075974

07/16/2025

Table of Contents

6.2 Cover Letter:

July 16th, 2025

Robert Phillips
18700 Ward Street, Fountain Valley, CA 92708
(714) 274-3074

RE: REVERSE OSMOSIS E01 PUMP INSPECTION AND REFURBISHMENT

Robert,

Bender CCP, Inc. is pleased to respond to the Solicitation referenced above and feel we are fully qualified to support OCWD with the required repair services. Our company information as well as the complete company legal name is on Page one of this solicitation response. As such we have supplied the information requested in the solicitation on the following pages. The Table of Contents on the previous page will identify all the materials and enclosures being forwarded in response to this Solicitation.

Feel free to request additional information or clarification if needed.

Best Regards,

Cody Robinson

Cody Robinson | Sales Manager | Bender CCP, Inc.

323-232-2371 Office
323-232-1790 Fax
crobinson@benderccp.com
www.benderccp.com

6.4 Contractor License and DIR Contractor Registration, Prevailing Wage Laws Compliance

Contractor License # - 908624 (Copy found on next page)
DIR Contractor Registration # - 1000041163
DIR Expiration Date – 06/30/2027

STATE OF CALIFORNIA

DCA

DEPARTMENT OF CONSUMER AFFAIRS

CONTRACTORS STATE LICENSE BOARD

ACTIVE LICENSE

License Number **908624**

Entity CORP

Business Name BENDER CCP INC

Classification(s) A

Expiration Date 01/31/2026

www.cslb.ca.gov

CSLB

6.5 Project Team and Qualification

- Cody Robinson – Project Manager (323) 919-5315, crobinson@benderccp.com
  - Cody will be the Primary POC for this project, and will manager activities between the shop and field work
- Robert Anthony – Equipment Repair Supervisor (562) 519-2219, ranthony@benderccp.com
  - Robert is the Equipment repair supervisor and will oversee the Pump Repair in the Vernon Shop
- Andrew Sanchez – Field Service Supervisor & Shop Technician (213) 298-4677, asanchez@benderccp.com
  - Andrew will be the Lead Field Service Technician for Pump Removal and Installation
- Frank Castaneda – Field Service Technician & Shop Technician
  - Frank will be on site assisting Andrew during Field Service Pump Removal & Installation
- Keith Hibbs Sr. - Vise President of Operations
- Dave Thomsen- Field Service and Shop Welder and Fabricator
- Neal Thomsen- Field Service and Shop Welder and Fabricator

*These Key Personnel mentioned above will be forming the work and will not be substituted without approval from OCWD.

Andrew Sanchez Professional Resume

Vernon, CA 90058 • (213) 298-4677 • sanchezandrewj1234@gmail.com

Professional Summary

Pump Mechanic/Field service technician with a high priority maintaining the best skills and up-to-date industry knowledge. Dependable professional with strong background installing, maintaining, repairing systems and components. Maintains equipment safety and performance with in-depth inspections and corrections. Comfortable meeting challenges and handling multiple priorities and tasks within fast-paced, deadline driven environments.

Work History

Pump Mechanic/Field service Technician, 01/2019 to Current
Bender CCP

- Field Service Technician, Bearing and Seal Changes, Removal and installation of equipment, Use of Laser Alignment, Base plate and grouting installation and leveling.
- Perform preventative & corrective maintenance on various types of equipment.
- Tear down and repair pumps such as vertical pumps, gear boxes, Horizontal split cases, blowers, Valves, compressors, from Chevron, Kinder Morgan and various companies.
- Balance Impellers
- Use precision measurement tools such as micrometers, calipers, and indicators.
- Operate Lathes, Mills, and Grinders, Finish parts at precise measurements and to the specifications of the print.
- Knowledge of Inner Diameter and Outer Diameter Grinding sought out opportunities to learn different types of machines.
- Use of hand and power tools, Training of 25Ton Crane operator, Maintain a clean, neat, and organized work area.
- Some Electrical background such as wiring and unwiring a motor.

Special Projects

- Supervised installation of a 40ft Ebara Vertical Volute Pump for the city of San Diego Metro Pump Station. 2023
- Disassembled, assembled, and Hydrostatic tested a 66”, 90”, and 132” butterfly valves for the Department of Water & Resources. 2021-2023
- In place machining on 3 pump base flanges for the Department of Water and Resources. 2023

Skills

- Maintenance & repairs
- Inspection/quality control
- Troubleshooting
- Documenting and reporting
- Quick learner.

- Self-starter/self-motivation
- Problem solver
- Great communication skills
- Parts Management

Frank Castaneda Professional Resume

Vernon CA 90058

Work Experience

• Overhaul and repair work on all pump station equipment.

• Routine maintenance of pump station, check the incoming flow, look for any debris or abnormalities, check mechanism, replacing the diaphragm, check rubber seals, replace as needed, etc.

• Work with centrifugal pumps, diaphragms, single/double volute, vaned diffusers, pneumatic pumps.

• Specialize in performing maintenance for power plants, pump stations, refineries, and water treatment plants.

• Inspect and diagnose problems, determine troubleshooting action plan.

• Perform corrective maintenance on plant equipment, pump stations, process systems, such as point heaters, exchangers, boilers, drag chain conveyors, belt conveyors, auger screw conveyors, gear boxes, motors, brakes and more.

• Work with hydraulic and pneumatics systems.

• Repairs and maintenance mechanical equipment by performing preventative maintenance.

• Dismantles machinery and removes/replaces defective parts.

• Use hand tools and power tools such as screw drivers, wrenches, drills, and hammers.

• Replace or fix worn or broken parts such as valves, worn belts, etc.

• Other preventive maintenance tasks include checking fluid levels, replace filters, add grease when necessary.

• Use blueprints, schematics, and diagrams to follow code welding procedures.

• Perform high pressure welding, tig /mig/ stick.

• Iron work journeymen for many years very skilled with torch cutting, plasma cutting, arc gauging.

• Very familiar with lock out tag out procedures and safety orientated.

Special Projects

• In place machining on 3 pump base flanges for the Department of Water and Resources. 2023

Frank Castaneda
Vernon CA 90058

Dave Thompson Professional Resume

Field and Shop Welder. BENDER CCP

329 E Hurst St | 626-485-0503

Skill Summary:

- I am a very experienced welder with multiple certifications and references. I am very dependable, reliable, and detail oriented. I am looking to further my career within the local welding industry. I have included multiple references as well as a letter of recommendation.

Experience:

02/2016-Present- Bender CCP

- I perform a variety of duties including welding, grinding, management of welding department.
- Field Service Welding
- Shop Welding
- Fabrication

05/2009-01/2016- Certified Welder/Lead Foreman/WelderTrainer, Therma•Flite

- I performed a variety of duties including welding, grinding, management, operations, human resources, and employee development. I have experience in assembly, shipping and receiving, pressure vessels, codework, print reading. I have received certifications in OSHA 30-Hour General Industry Outreach Training, Management

04/2008-03/2009- Certified Welder, Sharp Precision

- Training/Certification, 6g TIG and FCAW, Hardwire Certified, 6g stick certified, stainless steel, crane and forklift operator, experience with torch and plasma, as well as excellent trouble shooting skills.

02/2005-03/2008 Welder, Metal Fx

- TIG, Hardwire, Stainless Steel, aluminum, carbon steel, tolerance .010+-

02/2002-02/2005 Welder, Peter Pugger

- Shipping and Receiving, welding, machining, assembly, general shop labor

Education

- 2002- High School Diploma, Ukiah High School

References

- Jeff Henson, The Systems Group, 870-310-1139
- Robert Camfield, Therma-Flite 510-209-4860

Chad Saxton, Conifex, 870-918-4711

ROBERT ANTHONY

riverside, CA 92509

(562) 519-2219

robert.thomasanthony@gmail.com

SUMMARY

Experienced Shop and Field Service Technician offering proven safety record, Performance-oriented nature and strong history of accomplishments in these types of environments. Skillfully work and mentor less experienced team members to optimize performance and improve quality. Reliable, diplomatic and industrious when resolving concerns. Capable of thinking outside of the box in order to trouble shoot and solve complicated mechanical problems in complex repairs.

SKILLS

- Certificate of Journeymen Status
- Trained in the use of a wide spectrum of Precision measuring tools
- Laser Alignment
- Vibration analysis
- Hytorc Certified
- Trained in the use of the Riverhawk
- Proficient in stacking and de-stacking rotor assemblies
- Trained in Single and Two Plane Dynamic Balancing of Rotor

EXPERIENCE

July 2022 - Current
Rotating Equipment Manager Bender CCP | Vernon, CA

- Coordinated work between team, other departments, subcontractors and customers.
- Minimized customer callbacks and equipment failure by reviewing job upon completion.
- Mentored and trained new employees on processes, flow and safety procedures.
- Explained and recommended service options to customers and detailed costs.
- Communicated with vendors, upper management and peers.
- Diagnosed and repaired mechanical issues according to industry standards.
- Reviewed blueprints and manuals to repair and restore optimal functionality.
- Managed team of 8 service technicians in installation projects.
- Oversaw repair and maintenance of more than 50 pieces of equipment simultaniously to maintain productivity and Quality
- Completed dozens of scheduled and unscheduled emergency repairs

July 2022 - Current
Field Service Supervisor Bender CCP | Vernon , CA

- Bearing and Mechanical Seal Changes in both shop and field atmospheres
- Complete overhauls of Large Split Case Pumps, Gearboxes, and Screw Compressors
- Measuring Outside Dimensions and Run out on Military Propulsion Shafts
- Measuring Wall Thickness on Military Propulsion Shafts
- Dynamic Balancing of Rotor Assemblies
- Field Installation & Alignment of Motors, Pumps, Gearboxes, and Compressors.
- Field Vibration Analysis of various pieces of equipment
- Laser Alignment
- Train Alignments
- Schedule and Coordinate small and large projects.

February 2022 - July 2022
Service Foreman Brax Company | Ontario, CA

- Delivered positive reinforcement and constructive criticism for employee work efforts.
- Inspected completed work to assess quality and identify skill gaps.
- Determined schedules, sequences and assignments for work activities, based on priority, quantity of equipment and personnel skill.
- Worked successfully with diverse group of coworkers to accomplish goals and address issues related to our products and services.
- Worked closely with team members to deliver project requirements,

Assemblies
- Troubleshooting on Steam Turbines and Centrifugal Pumps
- Certified in Rigging and Crane Operation
- Proficient in Bore Sweeps and Bearing Alignment
- Experience in writing up inspection reports for Customers using Microsoft Word
- Experience in leading a Environmental Health & Safety Team
- Knowledge in standard industry repairs
- Experience in taking the lead on several repair projects
- Skilled in thinking outside of the box
- Open to new techniques and other's ideas
- Specifications Interpretation
- Hydraulic Press Operation
- Employee Safety Training
- Visual Inspection
- Tool and Parts Inventory Oversight
- Job Prioritizing
- Safety Compliance
- Assignment Delegation

develop solutions and meet deadlines.
- Juggled multiple projects and tasks to ensure high quality and timely delivery.
- Demonstrated leadership by making improvements to work processes and helping to train others.
- Provided excellent service and attention to customers when face-to-face or through phone conversations.
- Rebuilt various styles of pumps such as Close Coupled End Suction Pumps, Horizontal and Vertically Split Case Pumps, Vertical Inline Pumps and Deep Well Pumps.
- Installed new pumps and motors in the field as well as changing out suction and discharge piping and valves.
- Some Installations of Control Panels and Float Systems.
- Helped customers diagnose and correct issues with their pumps, motors or control panels over the phone and onsite.

January 2018 - February 2022
General Technician Siemens Energy | Rancho Dominguez, CA

- Managed quality control and maintained high level of customer satisfaction.
- Followed safety practices to safeguard against injury and damage to property.
- Disassembly of Single Stage Steam Turbines, Multistage Steam Turbines, Centrifugal Gas Compressors, Diesel Engines, and Reciprocating Compressors.
- Unstacking and Stacking of Turbine and Centrifugal Gas Compressor Rotors.
- Shrink-fit bushings, sleeves, rings, liners, gears, and wheels to specified dimensions and settings using liquid nitrogen and portable gas heating equipment.
- Dynamic Balancing of Single Stage Turbine Rotors and some Multistage Turbine Rotors.
- Cleaned, Stoned and precision measured all critical fits and dimensions using precision tooling.
- Cross Checked all measured sizes against schematics and verify if they were still with in tolerance.
- Generated a parts list request using the Bill of Material and Schematics for all wearable and excessively worn parts.
- Test Run of Single Stage Turbines capable of being ran on compressed air in order to set running speed and over speed trip.
- Inspected and validated repairs before delivery.
- Restored product condition using proven techniques.
- Led the Environmental Health & Safety Program for the Los Angeles Service Center performing such duties as holding morning tool box safety meeting on various topics, keeping all safety devices maintained and recorded all services. Discussed new company policy changes and SDS with all shop personnel.
- Delivered on-the-job training and development initiatives to new hires and contractors.
- Updated logs and job reports for completed and pending service calls at shift end.
- Adhered to applicable regulations, policies and procedures for health, safety and environmental compliance.
- Participated in training to maintain technical expertise and proficiency on applicable equipment.

April 2003 - January 2018
Millwright Journeyman Millwright, Ethos Energy | Santa Fe Springs, CA

- Cleaned and Stoned all machined surfaces and parts
- Disassembly of Steam Turbines, Reciprocating compressors, Centrifugal Compressors, Vertical Turbine Pumps, Horizontal and Vertical Split Case Pumps, Plunger Pumps, Butterfly Stop Valves and Hydraulic Servos
- Reading of schematics and utilizing mechanical reasoning skills when no schematics were available.
- Measure critical fit dimensions of parts to ensure the proper running clearances are kept.
- Trained in the use of various precision measuring tools such as Outside Micrometers, Inside Micrometers, Depth Micrometers, Dial and Vernier Calipers, Pie Tapes, Deflection Gauges and Indicators, Bore Gauge and Electronic Run out
- Reassembly of Steam Turbines, Reciprocating Compressors, Centrifugal Compressors, Vertical Turbine Pumps, Horizontal and Vertical Split Case Pumps, Plunger Pumps, Butterfly Stop Valves, and Hydraulic Servos.
- Grout capping and the grouting in of pumps on a concrete base.
- Installation of built equipment on to a base in the filed
- Double Reverse Alignment of equipment
- Laser Alignment and Train Alignment using Rotalign and Optalign software.
- Live Trend Alignment on High Temp equipment to record growth to establish a base cold offset alignment for the unit.
- Pipe strain on installed equipment
- Signaled crane operator to lower basic assembly units to bedplate and aligned unit to centerline.
- Moved machinery and equipment weighing over 140,00o pounds using hoists, dollies, rollers and trucks.
- Completed routine preventive maintenance on heavy equipment, minimizing machinery downtime.
- Used and maintained shop equipment to prevent downtime and reduce safety hazards.

EDUCATION AND TRAINING

August 2008
Journeyman | Industrial Mechanical
Millwright Training Center, Whittier

June 2000
High School Diploma
La Serna High School, Whittier, CA

Some College (No Degree)
Rio Hondo College, Whittier, CA

REFERENCES

Tom Anthony, Former VIP of Ethos Energy, Retired

(310) 863-6471 - Tom.anthony758@gmail.com - Former Manager, Father
Matthew Horton, General Technician, Siemens Energy
(951) 719-6300 - Matthew.horton@siemens-energy.com - Co-Worker
Terry Carpenter, Former Field Service Coordinator Bender CCP, Former
Service Manager of Brax Company
(909) 419-1516

6.6 Project Overview and Approach

Bender CCP is excited to create a strong relationship in which we can discuss objectives, recommendations and solutions to issues that arise at OCWD. Bender CCP takes great pride in providing quality turnkey overhauls. Here in Vernon we have appx. 120,000 sq./ft of machine/repair shop space. Bender CCP is a leader rotating equipment repair, and we are excited for the opportunity to work with the OCWD team again.

Once awarded the contract, Bender CCP will schedule with OCWD for the Field Service crew to mobilize on site and remove the pump under this contract. Once the pump is removed, we will transport to our Vernon Repair shop and perform the Dissasembly. At that point, we will provide OCWD with a detailed As Found Inspection along with repair recommendations. Once Approved, we will perform repairs and Schedule with OCWD crew to get the pump back on site for Installation.

Bender CCP's Quality Team will be involved in the project starting with the As Found Inspection and follow the project until Finish to ensure a quality repair.

Bender CCP can carry out all 3 repairs for contracts RFP-24-010, RFP-24-011 & RFP-24-012. We would remove one after another, complete shop repairs simultaneously and install when ready.

6.7 Additional Services

Bender CCP would like to get the pumps disassembled and discuss any repair options / suggestions at that time. There are many possibilities that include Bearing Upgrades, Shaft Upgrades, Mechanical Seal Upgrades which should be thoroughly thought through and discussed with OCWD when the time comes.

6.8 Experience and Record of Past Performance

Elsinore Valley Municipal Water District

31315 Channey St.
Lake Elsinore CA, 92530
Marcos Dillaway
(951)-816-2425
Performed jobs anywhere from complete pumps overhauls, field service troubleshooting, seal and bearing changes to manufacturing new pump shafts and parts.
Key Personnel:
Cody Robinson – Field Service Manager
Andrew Sanchez – Field Service Supervisor
Frank Castaneda – Lead Field Tech
Robert Anthony – Equipment Repair Supervisor
Project:

Field service removed and replace an aerator and gearbox. The customer has appx. 10 of these and we are swapping them all out. We have done about 6 so far.
Completed: 10/02/2019 – Current

Plains all American

5900 Cherry Ave.
Long Beach, CA 90805
Andy Hall
(562) 728-2365
ACHall@paalp.com
Performed jobs anywhere from complete pumps overhauls, field service troubleshooting, seal and bearing changes to manufacturing new pump shafts and parts.
Key Personnel:
Cody Robinson – Field Service Manager
Andrew Sanchez – Lead Field Tech
Frank Castaneda – Field Tech
Robert Anthony – Equipment Repair Supervisor
Project:
Removed and repaired 3 stage vertical pump, delivered back to job site and reinstalled
Completed: 01/28/2023 - $34,429.00

Kinder Morgan

2051 E. Slover Ave.
Bloomington, CA 92316
Jack Daily
(909)-877-2414
Performed jobs anywhere from complete pumps overhauls, field service troubleshooting, seal and bearing changes to manufacturing new pump shafts and parts.
Key Personnel:
Cody Robinson – Field Service Manager
Andrew Sanchez – Lead Field Tech
Frank Castaneda – Field Tech
Robert Anthony – Equipment Repair Supervisor
Project:
Field Service to Pull Out Vertical Sump Pump at Kinder Morgan Colton North, Transport To Shop, DCI & Repair, deliver back to site, install and align motor to pump

Orange County Sanitation District

18480 Bandilier Cir
Fountain Valley, CA 92708
Andrew Taylor

714-331-3974
Awarded Contract to Remove and Repair 2 Ebara Vertical Pumps, currently in the process of repairs on the first pump. Will then install and remove pump # 2 for repair
Key Personnel:
Cody Robinson – Project Manager
Andrew Sanchez – Lead Field Tech
Frank Castaneda – Field Tech
Robert Anthony – Equipment Repair Supervisor
Project:
Repair Spare MSP Pump, Pull MSP # 1 and Install Repaired Spare, Repair MSP # 1 and Install in MSP # 6 Location. Project Value $1,000,000.00

6.9 Price Proposal

The Rates Provided in this Proposal will remain in effect for the duration of the Contract.

6.9.1 Price Proposal

*See Fee Proposal on Following Page
*Monthly Billing to be done based on Completion of Each Estimate Line Item the Prior Month

QUOTE

2150 East 37th Street
Vernon, CA 90058
323-919-5315
crobinson@benderccp.co

QUOTE RFP-24-010
DATE 7/16/2025
SALES REP. Cody Robinson

TO: Orange County Water District

ATTENTION: Robert Phillips

ITEM	QTY	UNIT	DESCRIPTION	UNIT COST	TOTAL
			LABOR - PRICE PER PUMP		
1	32	Hrs	FIELD SERVICE TO TRAVEL TO SITE AND REMOVE PUMP AND MOTOR	$ 182.00	$ 5,824.00
2	4	Hrs	TRANSPORT PUMP BACK TO BENDER CCP SHOP	$ 120.00	$ 480.00
3	6	Hrs	INSPECT SOLE PLATE FOR LEVELNESS	$ 182.00	$ 1,092.00
4	32	Hrs	DISSASEMBLE PUMP COMPLETE	$ 139.00	$ 4,448.00
5	20	Hrs	INSPECT PUMP PER REQUIRED CONTRACT SCOPE - SCOPE #'S 3,4,5,6,7 & 8	$ 139.00	$ 2,780.00
6	4	Hrs	BUILD AS-FOUND INSPECTION REPORT & BOM	$ 139.00	$ 556.00
7	1	LS	Mechanical Seal Repair (Estimated Cost to Repair)	$ 2,332.80	$ 2,332.80
8	4	Hrs	TRANSPORT PUMP BACK TO OCWD	$ 120.00	$ 480.00
9	40	Hrs	FIELD SERVICE TO TRAVEL TO SITE AND INSTALL PUMP, ALIGN AND TEST RUN PUMP	$ 182.00	$ 7,280.00
10	32	Hrs	Field Machine Soleplate if Needed (Not Included in Total Price Below)	$ 205.00	$ 6,560.00
			TOTAL PRICE FOR RFP-24-010 PER CONTRACT SCOPE IN EXHIBIT A-1		$ 25,272.80

Project Schedule by Line Item

Removal of Pump – Bender CCP will Schedule to Remove the Pump with OCWD within 1 week of Contract Award – Removal of Pump will be 1-2 Days On-Site

Examination of Soleplate – We will perform this the same day the pump is removed

Inspection of Items 3-8 – Appx. 2 weeks after pump is removed

Re-Installing the Pump and Test Run – 2-3 Days

6.10.1 Contractor Safety Program

Signed Contractor Environmental Health and Safety Form

CONTRACTOR'S ENVIRONMENTAL HEALTH & SAFETY AGREEMENT

I have read the information stated in the OCWD's Contractor Environmental Health & Safety Handbook. I understand that the information provided covers brief highlights of the OCWD's safety programs. It is my responsibility to review the updated programs and communicate the safety information & requirements to my employees.

I understand that the Contractor's Environmental Health & Safety Handbook is not intended to replace Federal, State or Local regulations regarding Contractor performance. Contractor shall keep itself fully informed of all existing and future state and federal laws and all county and city ordinances and regulations which in any manner affect the activities of Contractor and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. Contractor (including contractor employees and subcontractors) shall at all times observe and comply with all such existing and future laws, ordinances, regulations, orders and decrees, and shall protect and indemnify OCWD, its officers, directors, employees and agents against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order or decree.

Contractor Company: Bender CCP, Inc.

Contractor Name & Title (Please Print): Cody Robinson, Sales Manager

Contractor Signature: Cody Robinson

Date: 07/15/2025

FORWARD A SIGNED COPY OF THE CONTRACTOR'S AGREEMENT PAGE TO RISK & SAFETY DEPARTMENT

APPENDIX B

INSTRUCTIONS FOR CONTRACTORS

All licensed contractors interested in performing work for Orange County Water District (OCWD) must complete and provide the information requested in the "Contractor Required Information packet;" meet the criteria listed below and participate in a pre-project safety orientation meeting:

The Criteria below is required in order to comply with OCWD's Contractor Safety Program and Cal/OSHA's Multi-Employer Worksite Standard*****

*****_California Labor Code Sections 6400, 6401, 6401.7, 6402 through 6404 and Title 8, California Code of Regulations, Sections 336.10 and 336.11_

CONTRACTOR CRITERIA REQUIREMENTS:

☐ EMR greater than 1.25 for any year in the last three years.

☐ Received a Cal/OSHA regulatory citation and penalties assessed against your firm for any "serious," "willful" or "repeat" violation as defined by Cal/OSHA, Title 8, sections §330 and §334, in the past three years?

Yes ☐ No ☐

If "yes," attach a separate signed page describing the citations, including information about the dates of the citations, the nature of the violation, the project on which the citation(s) was or were issued, the amount of penalty paid, if any. If the citation was appealed and a decision has been issued, state the case number and the date of the decision.

NOTE: If you have filed an appeal of a citation, and the Appeals Board has not yet ruled on your appeal, you need not include information about it.

☐ Failure to provide all requested information.

NOTE: if the contractor is disqualified based on the information above, the awarding body will analyze the issues using the following two factors for potential consideration of the award:

1. Whether the incident was a good faith mistake and, if so, the error was promptly and voluntarily corrected when brought to the attention of the Contractor or Subcontractor, AND

2. Whether the Contractor or Subcontractor has a prior history of good performance, and the incident was openly reported, and the triggering event is not related to a major scope of work, caused by negligence, or resulted in regulatory violations or civil liability against awarding bodies.

Any policy year above 1.25 submit additional documentation to show incidents that resulted in increased EMR subject to review by the awarding party.

APPENDIX B: CONTRACTOR REQUIRED INFORMATION

Part 1: CONTRACTOR INFORMATION SECTION - To Be Completed By Contractor

- ❑ Contractor's Name: BENDER CCP
- ❑ Contractor's License (copy of license if applicable): _____
- ❑ California Registration Number (if applicable): _____
- ❑ Experience Modification Rate (EMR) for each of the past three premium years:

  Current year: 0.57 Previous year: 0.59 Year prior to previous year: 0.68

- ❑ Copy of 3 Years of OSHA 300A Annual Summary (If greater than 10 employees)
- ❑ How many serious injuries or fatalities has your company experienced in the past three years? 0
- ❑ How many Regulatory Violations has your company had in the last 3 years? 2

Part 2: SAFETY PROGRAM SECTION - To Be Completed By Contractor

All Written Safety Programs & Training Documentation must be available to OCWD upon request	YES	NO
Does your company maintain a written Injury Illness Prevention Program (IIPP) in accordance with GISO, Title 8, Section §3203 and §1509 and Labor Code (LC §6401.7)?	☒	☐
Does your company provide toolbox training and maintain documentation for IIPP employee training [§3203 and §1509(b)]?	☒	☐
Does your company maintain and post "Code of Safe Practices" documentation [Title 8, §1509(b)] ?	☒	☐
Does your company maintain disciplinary documentation for unsafe behavior of employees or subcontractors (if applicable) [Title 8, §3203 and §1509] ?	☒	☐
Does your company maintain inspection records and written evidence that safety and health concerns have been reviewed and corrective actions taken [§3203, LC§6401.7(b) and (D)]?	☒	☐
Does your company maintain a documented Hazard Communication Program that complies with GHS Labeling and Safety Data Sheets (SDS) [8 CCR §5194]?	☒	☐
Are procedures in place for communicating critical high-risk job activities, including a written safety plan or Job Safety Analysis (JSA), to ensure they are reviewed with all employees and subcontractors [LC 6401.7(a)(5)]?	☒	☐
Does your company have a written accident investigation program that ensures all accidents and incidents, including those involving subcontractors, are thoroughly investigated and corrective actions are implemented [§3203(a)(5) and (b) and §1509]?	☒	☐
Does your company have a written Emergency Action Plan that is effectively communicated to employees and subcontractors, covering emergencies such as medical incidents, fires, and chemical spills [8 CCR §3220]?	☒	☐
Are the aforementioned written programs, including training documentation and records of safety meetings, properly maintained on file and available upon request [LC §6401.7, §336.10, and 8CCR §1509(e)]? If yes, where are the documentations maintained? Company V:Drive	☒	☐

APPENDIX B: CONTINUED

Part 2 – PROJECT SPECIFIC SAFETY PROGRAM SECTION - To Be Completed By Contractor
(Please review each section below, check all that apply to the project, and provide the corresponding documentation details.**)**

☒ Our company has a written Confined Space Program that includes pre-entry monitoring, pre-entry permit, and employee training [T8 CCR §5157]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☒ Our company has a written Electrical Safety Program that complies with the required regulations that includes employee training [T8 CCR §2700 - §2989 and T8 CCR §2299 - §2599 and NFPA 70E]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☒ Our company has a written Fall Prevention Program that includes Personal Fall Arrest Systems, Personal Fall Restraint Systems, Positioning Devices and employee training [T8 CCR §1670]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☐ Our company has a written Trenching & Excavation Program that includes employee training [T8 CCR §1541.1]

Where is the documentation maintained? _____

☒ Our company has a written Lockout/Tagout Program that includes employee training [T8 CCR §3314(j)]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☒ Our company has a Hot Work Program that includes employee training [T8 CCR §4848]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☐ Our company has a Traffic Control Program that includes employee training [T8 CCR, Construction Safety Orders, Article 11, 1597 - 1599]

Where is the documentation maintained? _____

☒ Our company has a documented Heat Illness Prevention Program for Outdoor Worksites, which includes comprehensive employee training. All contractors are expected to protect the workers by implanting measures to prevent heat illness **AND** to adjust their work practices to mitigate fire risks. During a "Red Flag Warning," extra precautions must be taken to prevent potential fire hazards [T8 CCR §3395]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

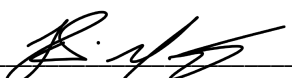
Other applicable programs (please list): _____

Contractors shall ensure that all employees under their supervision, including subcontractors, receive comprehensive training in the safe work practices required to perform their jobs safely. Additionally, contractors are responsible for effectively communicating the Job Safety Plan to all employees and subcontractors, ensuring full understanding and compliance with safety protocols.

COMMENTS: _____

Ivan Magaña

Name of Contractor Representative (please print)



7/15/2025

Contractor Representative's Signature **Date Signed:**

A bidder's failure to respond affirmatively to the questions listed in the "Part 2 - Safety Program Section" of Appendix B including the sections applicable to the work shall be grounds for the District to reject the bid as non-responsive.

APPENDIX B: CONTINUED

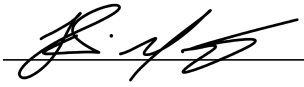
CONTRACTOR'S ENVIRONMENTAL HEALTH & SAFETY (EHS) AGREEMENT

I have read the information stated in the OCWD's *Contractor Environmental Health & Safety (EHS) Handbook*. I understand that the information provided covers brief highlights of the OCWD's safety programs. It is my responsibility to review the updated programs and communicate the safety information & requirements to my employees.

I understand that the Contractor's Environmental Health & Safety Handbook is not intended to replace Federal, State or Local regulations regarding Contractor performance. Contractor shall keep itself fully informed of all existing and future state and federal laws and all county and city ordinances and regulations which in any manner affect the activities of Contractor and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. Contractor (including contractor employees and subcontractors) shall at all times observe and comply with all such existing and future laws, ordinances, regulations, orders, and decrees, and shall protect and indemnify OCWD, its officers, directors, employees and agents against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order or decree.

Contractor Company: BENDER CCP

Contractor Name & Title (Please Print): Ivan Magaña EHS Manager

Contractor Signature: 

Date: 7/15/2025

6.10.2 Safety Manual

Attached in this proposal is a copy of our Safety Manual

6.10.3 Quality Control Plan

Bender CCP will have a Quality Engineer assigned to this project who will work alongside the Project Manager (Cody Robinson) to ensure the highest quality repairs.

6.11 Statement of Insurance Compliance

Bender CCP will meet the insurance requirements as set forth in the Services Agreement.

6.12 OCWD Standard Agreement

Bender CCP Accepts the Terms set forth in the Services Agreement in Exhibit C.

6.13 Billing

Bender CCP will meet the requirements specified for each Invoice Submitted

6.14 Conflict of Interest

Bender CCP, its Employees or its Subcontractors do not have any Conflicts of Interest on this Project.

6.15 Equal Employment Opportunity and Affirmative Action Requirements

Bender CCP agrees and follows Equal Employment Opportunity and Affirmative Action Requirements

ORANGE COUNTY WATER DISTRICT

18700 Ward Street
Fountain Valley, California 92708

ADDENDUM NO.1
REQUEST FOR PROPOSAL (RFP-24-010)
Reverse Osmosis E01 Pump Inspection and Refurbishment Services
Date of Addendum: 7/7/2025

This addendum serves as written notice of the following corrections, clarifications, additions and/or deletions to any and all copies of the Request for Proposal for Reverse Osmosis E01 Pump Inspection and Refurbishment Services. The original Request for Proposal (RFP) Documents and any previously issued addenda remain in full force and effect, except as modified by this Addendum, which is hereby made part of the RFP. Proposer shall take this Addendum into consideration when preparing and submitting its Proposal.

The proposer shall execute the acknowledgment form at the end of this addendum and shall attach it with proposer's submitted proposal. **Failure to acknowledge receipt of all Addenda may result in rejection of your proposal**

---

1. Q&A Table

a. Please refer to Attachment A-1 of this Addendum No.1 for the QA Table.

ATTACHMENT A-1

Q & A Table

Q A Table

REQUEST FOR PROPOSAL (RFP-24-010)
Reverse Osmosis E01 Pump Inspection and Refurbishment Services
Date of Addendum: 7/7/2025

No.	QUESTIONS	ANSWERS
1	The scope of services includes new mechanical seals. This was not discussed at the pre-bid meeting. Please confirm if new mechanical seals are to be included in the pricing.	This was discussed in the pre-bid meeting. All bids must include a new / OEM rebuilt mechanical seal.

END OF ADDENDUM

MANDATORY FORM

ACKNOWLEDGE RECEIPT OF ADDENDUM NO.1

REQUEST FOR PROPOSAL
Reverse Osmosis E01 Pump Inspection and Refurbishment Services (RFP-24-010)

7/7/2025

Proposer shall acknowledge receipt of this addendum by detaching, signing and attaching to his/her proposal, one (1) copy of this sheet.

I, Cody Robinson, Bender CCP, Inc.

Name of Proposer, Company Name

2150 East 37th Street, Vernon CA, 90058

Address, City, State, Zip

Hereby acknowledge receipt of Addendum No.1 to the **Request for Proposal Reverse Osmosis E01 Pump Inspection and Refurbishment Services** and have considered these revisions in the preparation of my proposal. This addendum, consisting of this acknowledgement, shall become a part of any contract made pursuant thereto.

Cody Robinson

Proposer's Signature

Cody Robinson

Printed Proposer's Name

07/15/2025

Date

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee/
Board of Directors

From: John Kennedy

Staff Contact: M. Patel/R. Phillips

Budgeted: Yes
Budgeted Amount: $150,000
Cost Estimate: $150,000
Funding Source: R&R
Program/Line Item No.: R21010
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: Cat. Ex.

Subject: AGREEMENT TO BENDER/CCP FOR REVERSE OSMOSIS TRANSFER PUMP B01 VERTICAL TURBINE PUMP INSPECTION AND REHABILITATION

SUMMARY

The Groundwater Replenishment System (GWRS) Advanced Water Purification Facility (AWPF) consists of six, 1,250 horsepower vertical turbine pumps. Five of the six pumps have been in service over seventeen years and are due for inspection and rehabilitation. These pumps are used to transfer water GWRS microfiltration product water from a holding tank to the reverse osmosis process. Staff advertised a request for proposals and recommends award of the scope.

Attachment: Bender/CCP quotation

RECOMMENDATION

Agendize for August 20 Board meeting: Authorize issuance of an Agreement to Bender/CCP Inc. for an amount not to exceed $150,000 and establish the Product Water B01 Vertical Turbine Pump Inspection and Rehabilitation project in the amount of $150,000.

BACKGROUND/ANALYSIS

The GWRS AWPF consists of six 1,250 horsepower vertical turbine pumps called the RO Transfer Pumps. These pumps are used to transport GWRS product water from the microfiltration process, as it accumulates in a holding tank, to the reverse osmosis process building. These pumps provide enough pressure for the individual RO unit high pressure feed pumps suction requirements.

Five of the six vertical turbine pumps were put online in 2008 as part of the original GWRS project. One of the six was put into service in 2015 as part of the GWRS Initial Expansion (GWRSIE). These pumps are maintained as part of the GWRS asset management program receiving regular preventative maintenance in keeping with manufacturer recommendations. The pumps include an online vibration and temperature monitoring system. In addition, each pump is tested for vibration and temperature analysis on a quarterly basis by an outside testing service. This has allowed pump B01 to run successfully for over seventeen years, which is the normal recommended industry standard for performing a vertical turbine pump rehabilitation.

OCWD staff has done repair work to fix scoring of the shaft. Given the age of RO transfer pump B01, staff has budgeted to have the pump removed and sent to a qualified pump repair shop for inspection and rehabilitation.

Staff advertised a Request for Proposal (RFP) to pull the motor and pump, inspect, and perform rehabilitation as needed as part of a preventative maintenance effort. Since the level of rehabilitation required for the pump will not be known until a detailed inspection is performed, the quote was formatted for a base bid to remove and reinstall the pump using an external crane service, inspect the pump, and replacement of key components such as the stuffing box bearing, and main mechanical seal. Three contractors responded before the deadline and one responded too late to be considered, see Table 1. Staff evaluated all three proposals and recommends awarding the work to the most qualified proposer, Bender/CCP, which has a base bid of $45,364. The Bender/CCP bid is higher than one other proposer, DXP, but their proposal had far greater detail, including a shorter timeline for completion of the work. The DXP proposal had no detail on the schedule and lacked a depth of information. Bender/CCP has rehabilitated or repaired several vertical turbine pumps for OCWD, and their work has always been of top quality while meeting schedule requirements.

The full level of effort will be determined after a detailed inspection at the proposer's shop. For this reason, staff has included a budget of $150,000 in the Refurbishment & Replacement (R&R) budget.

Table 1: Vertical Turbine Pump and Motor Quotes

Firm	Base Bid*
Bender/CCP	$45,364
DXP	$38,000
ITT	$94,475
PAMCO	Proposal received after deadline

*Note: the Base Bid does not include the full scope of work that will be determined after the pump is removed.

PRIOR RELEVANT BOARD ACTION(S)

N/A

Bender CCP, INC. RESPONSE TO:

ROTP B01 PUMP INSPECTION AND REFURBISHMENT SERVICES:

Solicitation RFP-24-011

Agency: Orange County Water District

Company Information:
Legal Name: Bender CCP, Inc.
Contact : Cody Robinson
Email: crobinson@benderccp.com
Business Size: Small
Physical and Billing Address: 2150 E. 37th Street, Vernon, CA 90058
Telephone: (323) 232-2371; Fax: (323) 232-1790
Federal Tax ID: 26-1282517
California Resale Permit: SRAA-101-123717
California Contractor's License: 908624
EPA ID: CAL000335740
Dun & Bradstreet: 011567643
NAICS Numbers: 888311 (primary) 336611
SAM Registration Number: 078444248
Cage Code: 6R9B7
JCP #: 0075974

07/16/2025

Table of Contents

6.2 Cover Letter:

July 16th, 2025

Robert Phillips
18700 Ward Street, Fountain Valley, CA 92708
(714) 274-3074

RE: ROTP B01 PUMP INSPECTION AND REFURBISHMENT

Robert,

Bender CCP, Inc. is pleased to respond to the Solicitation referenced above and feel we are fully qualified to support OCWD with the required repair services. Our company information as well as the complete company legal name is on Page one of this solicitation response. As such we have supplied the information requested in the solicitation on the following pages. The Table of Contents on the previous page will identify all the materials and enclosures being forwarded in response to this Solicitation.

Feel free to request additional information or clarification if needed.

Best Regards,

Cody Robinson

Cody Robinson | Sales Manager | Bender CCP, Inc.

323-232-2371 Office
323-232-1790 Fax
crobinson@benderccp.com
www.benderccp.com

6.4 Contractor License and DIR Contractor Registration, Prevailing Wage Laws Compliance

Contractor License # - 908624 (Copy found on next page)
DIR Contractor Registration # - 1000041163
DIR Expiration Date – 06/30/2027

STATE OF CALIFORNIA

dca

DEPARTMENT OF CONSUMER AFFAIRS

CONTRACTORS STATE LICENSE BOARD

ACTIVE LICENSE

License Number **908624**

Entity CORP

Business Name BENDER CCP INC

Classification(s) A

Expiration Date 01/31/2026

www.cslb.ca.gov

CSLB

6.5 Project Team and Qualification

- Cody Robinson – Project Manager (323) 919-5315, crobinson@benderccp.com
  - Cody will be the Primary POC for this project, and will manager activities between the shop and field work
- Robert Anthony – Equipment Repair Supervisor (562) 519-2219, ranthony@benderccp.com
  - Robert is the Equipment repair supervisor and will oversee the Pump Repair in the Vernon Shop
- Andrew Sanchez – Field Service Supervisor & Shop Technician (213) 298-4677, asanchez@benderccp.com
  - Andrew will be the Lead Field Service Technician for Pump Removal and Installation
- Frank Castaneda – Field Service Technician & Shop Technician
  - Frank will be on site assisting Andrew during Field Service Pump Removal & Installation
- Keith Hibbs Sr. - Vise President of Operations
- Dave Thomsen- Field Service and Shop Welder and Fabricator
- Neal Thomsen- Field Service and Shop Welder and Fabricator

*These Key Personnel mentioned above will be forming the work and will not be substituted without approval from OCWD.

Andrew Sanchez Professional Resume

Vernon, CA 90058 • (213) 298-4677 • sanchezandrewj1234@gmail.com

Professional Summary

Pump Mechanic/Field service technician with a high priority maintaining the best skills and up-to-date industry knowledge. Dependable professional with strong background installing, maintaining, repairing systems and components. Maintains equipment safety and performance with in-depth inspections and corrections. Comfortable meeting challenges and handling multiple priorities and tasks within fast-paced, deadline driven environments.

Work History

Pump Mechanic/Field service Technician, 01/2019 to Current
Bender CCP

- Field Service Technician, Bearing and Seal Changes, Removal and installation of equipment, Use of Laser Alignment, Base plate and grouting installation and leveling.
- Perform preventative & corrective maintenance on various types of equipment.
- Tear down and repair pumps such as vertical pumps, gear boxes, Horizontal split cases, blowers, Valves, compressors, from Chevron, Kinder Morgan and various companies.
- Balance Impellers
- Use precision measurement tools such as micrometers, calipers, and indicators.
- Operate Lathes, Mills, and Grinders, Finish parts at precise measurements and to the specifications of the print.
- Knowledge of Inner Diameter and Outer Diameter Grinding sought out opportunities to learn different types of machines.
- Use of hand and power tools, Training of 25Ton Crane operator, Maintain a clean, neat, and organized work area.
- Some Electrical background such as wiring and unwiring a motor.

Special Projects

- Supervised installation of a 40ft Ebara Vertical Volute Pump for the city of San Diego Metro Pump Station. 2023
- Disassembled, assembled, and Hydrostatic tested a 66”, 90”, and 132” butterfly valves for the Department of Water & Resources. 2021-2023
- In place machining on 3 pump base flanges for the Department of Water and Resources. 2023

Skills

- Maintenance & repairs
- Inspection/quality control
- Troubleshooting
- Documenting and reporting
- Quick learner.

- Self-starter/self-motivation
- Problem solver
- Great communication skills
- Parts Management

Frank Castaneda Professional Resume

Vernon CA 90058

Work Experience

• Overhaul and repair work on all pump station equipment.

• Routine maintenance of pump station, check the incoming flow, look for any debris or abnormalities, check mechanism, replacing the diaphragm, check rubber seals, replace as needed, etc.

• Work with centrifugal pumps, diaphragms, single/double volute, vaned diffusers, pneumatic pumps.

• Specialize in performing maintenance for power plants, pump stations, refineries, and water treatment plants.

• Inspect and diagnose problems, determine troubleshooting action plan.

• Perform corrective maintenance on plant equipment, pump stations, process systems, such as point heaters, exchangers, boilers, drag chain conveyors, belt conveyors, auger screw conveyors, gear boxes, motors, brakes and more.

• Work with hydraulic and pneumatics systems.

• Repairs and maintenance mechanical equipment by performing preventative maintenance.

• Dismantles machinery and removes/replaces defective parts.

• Use hand tools and power tools such as screw drivers, wrenches, drills, and hammers.

• Replace or fix worn or broken parts such as valves, worn belts, etc.

• Other preventive maintenance tasks include checking fluid levels, replace filters, add grease when necessary.

• Use blueprints, schematics, and diagrams to follow code welding procedures.

• Perform high pressure welding, tig /mig/ stick.

• Iron work journeymen for many years very skilled with torch cutting, plasma cutting, arc gauging.

• Very familiar with lock out tag out procedures and safety orientated.

Special Projects

• In place machining on 3 pump base flanges for the Department of Water and Resources. 2023

Frank Castaneda
Vernon CA 90058

Dave Thompson Professional Resume

Field and Shop Welder. BENDER CCP

329 E Hurst St | 626-485-0503

Skill Summary:

- I am a very experienced welder with multiple certifications and references. I am very dependable, reliable, and detail oriented. I am looking to further my career within the local welding industry. I have included multiple references as well as a letter of recommendation.

Experience:

02/2016-Present- Bender CCP

- I perform a variety of duties including welding, grinding, management of welding department.
- Field Service Welding
- Shop Welding
- Fabrication

05/2009-01/2016- Certified Welder/Lead Foreman/WelderTrainer, Therma•Flite

- I performed a variety of duties including welding, grinding, management, operations, human resources, and employee development. I have experience in assembly, shipping and receiving, pressure vessels, codework, print reading. I have received certifications in OSHA 30-Hour General Industry Outreach Training, Management

04/2008-03/2009- Certified Welder, Sharp Precision

- Training/Certification, 6g TIG and FCAW, Hardwire Certified, 6g stick certified, stainless steel, crane and forklift operator, experience with torch and plasma, as well as excellent trouble shooting skills.

02/2005-03/2008 Welder, Metal Fx

- TIG, Hardwire, Stainless Steel, aluminum, carbon steel, tolerance .010+-

02/2002-02/2005 Welder, Peter Pugger

- Shipping and Receiving, welding, machining, assembly, general shop labor

Education

- 2002- High School Diploma, Ukiah High School

References

- Jeff Henson, The Systems Group, 870-310-1139
- Robert Camfield, Therma-Flite 510-209-4860

Chad Saxton, Conifex, 870-918-4711

ROBERT ANTHONY

riverside, CA 92509

(562) 519-2219

robert.thomasanthony@gmail.com

SUMMARY

Experienced Shop and Field Service Technician offering proven safety record, Performance-oriented nature and strong history of accomplishments in these types of environments. Skillfully work and mentor less experienced team members to optimize performance and improve quality. Reliable, diplomatic and industrious when resolving concerns. Capable of thinking outside of the box in order to trouble shoot and solve complicated mechanical problems in complex repairs.

SKILLS

- Certificate of Journeymen Status
- Trained in the use of a wide spectrum of Precision measuring tools
- Laser Alignment
- Vibration analysis
- Hytorc Certified
- Trained in the use of the Riverhawk
- Proficient in stacking and de-stacking rotor assemblies
- Trained in Single and Two Plane Dynamic Balancing of Rotor

EXPERIENCE

July 2022 - Current
Rotating Equipment Manager Bender CCP | Vernon, CA

- Coordinated work between team, other departments, subcontractors and customers.
- Minimized customer callbacks and equipment failure by reviewing job upon completion.
- Mentored and trained new employees on processes, flow and safety procedures.
- Explained and recommended service options to customers and detailed costs.
- Communicated with vendors, upper management and peers.
- Diagnosed and repaired mechanical issues according to industry standards.
- Reviewed blueprints and manuals to repair and restore optimal functionality.
- Managed team of 8 service technicians in installation projects.
- Oversaw repair and maintenance of more than 50 pieces of equipment simultaniously to maintain productivity and Quality
- Completed dozens of scheduled and unscheduled emergency repairs

July 2022 - Current
Field Service Supervisor Bender CCP | Vernon , CA

- Bearing and Mechanical Seal Changes in both shop and field atmospheres
- Complete overhauls of Large Split Case Pumps, Gearboxes, and Screw Compressors
- Measuring Outside Dimensions and Run out on Military Propulsion Shafts
- Measuring Wall Thickness on Military Propulsion Shafts
- Dynamic Balancing of Rotor Assemblies
- Field Installation & Alignment of Motors, Pumps, Gearboxes, and Compressors.
- Field Vibration Analysis of various pieces of equipment
- Laser Alignment
- Train Alignments
- Schedule and Coordinate small and large projects.

February 2022 - July 2022
Service Foreman Brax Company | Ontario, CA

- Delivered positive reinforcement and constructive criticism for employee work efforts.
- Inspected completed work to assess quality and identify skill gaps.
- Determined schedules, sequences and assignments for work activities, based on priority, quantity of equipment and personnel skill.
- Worked successfully with diverse group of coworkers to accomplish goals and address issues related to our products and services.
- Worked closely with team members to deliver project requirements,

Assemblies
- Troubleshooting on Steam Turbines and Centrifugal Pumps
- Certified in Rigging and Crane Operation
- Proficient in Bore Sweeps and Bearing Alignment
- Experience in writing up inspection reports for Customers using Microsoft Word
- Experience in leading a Environmental Health & Safety Team
- Knowledge in standard industry repairs
- Experience in taking the lead on several repair projects
- Skilled in thinking outside of the box
- Open to new techniques and other's ideas
- Specifications Interpretation
- Hydraulic Press Operation
- Employee Safety Training
- Visual Inspection
- Tool and Parts Inventory Oversight
- Job Prioritizing
- Safety Compliance
- Assignment Delegation

develop solutions and meet deadlines.
- Juggled multiple projects and tasks to ensure high quality and timely delivery.
- Demonstrated leadership by making improvements to work processes and helping to train others.
- Provided excellent service and attention to customers when face-to-face or through phone conversations.
- Rebuilt various styles of pumps such as Close Coupled End Suction Pumps, Horizontal and Vertically Split Case Pumps, Vertical Inline Pumps and Deep Well Pumps.
- Installed new pumps and motors in the field as well as changing out suction and discharge piping and valves.
- Some Installations of Control Panels and Float Systems.
- Helped customers diagnose and correct issues with their pumps, motors or control panels over the phone and onsite.

January 2018 - February 2022
General Technician Siemens Energy | Rancho Dominguez, CA

- Managed quality control and maintained high level of customer satisfaction.
- Followed safety practices to safeguard against injury and damage to property.
- Disassembly of Single Stage Steam Turbines, Multistage Steam Turbines, Centrifugal Gas Compressors, Diesel Engines, and Reciprocating Compressors.
- Unstacking and Stacking of Turbine and Centrifugal Gas Compressor Rotors.
- Shrink-fit bushings, sleeves, rings, liners, gears, and wheels to specified dimensions and settings using liquid nitrogen and portable gas heating equipment.
- Dynamic Balancing of Single Stage Turbine Rotors and some Multistage Turbine Rotors.
- Cleaned, Stoned and precision measured all critical fits and dimensions using precision tooling.
- Cross Checked all measured sizes against schematics and verify if they were still with in tolerance.
- Generated a parts list request using the Bill of Material and Schematics for all wearable and excessively worn parts.
- Test Run of Single Stage Turbines capable of being ran on compressed air in order to set running speed and over speed trip.
- Inspected and validated repairs before delivery.
- Restored product condition using proven techniques.
- Led the Environmental Health & Safety Program for the Los Angeles Service Center performing such duties as holding morning tool box safety meeting on various topics, keeping all safety devices maintained and recorded all services. Discussed new company policy changes and SDS with all shop personnel.
- Delivered on-the-job training and development initiatives to new hires and contractors.
- Updated logs and job reports for completed and pending service calls at shift end.
- Adhered to applicable regulations, policies and procedures for health, safety and environmental compliance.
- Participated in training to maintain technical expertise and proficiency on applicable equipment.

April 2003 - January 2018
Millwright Journeyman Millwright, Ethos Energy | Santa Fe Springs, CA

- Cleaned and Stoned all machined surfaces and parts
- Disassembly of Steam Turbines, Reciprocating compressors, Centrifugal Compressors, Vertical Turbine Pumps, Horizontal and Vertical Split Case Pumps, Plunger Pumps, Butterfly Stop Valves and Hydraulic Servos
- Reading of schematics and utilizing mechanical reasoning skills when no schematics were available.
- Measure critical fit dimensions of parts to ensure the proper running clearances are kept.
- Trained in the use of various precision measuring tools such as Outside Micrometers, Inside Micrometers, Depth Micrometers, Dial and Vernier Calipers, Pie Tapes, Deflection Gauges and Indicators, Bore Gauge and Electronic Run out
- Reassembly of Steam Turbines, Reciprocating Compressors, Centrifugal Compressors, Vertical Turbine Pumps, Horizontal and Vertical Split Case Pumps, Plunger Pumps, Butterfly Stop Valves, and Hydraulic Servos.
- Grout capping and the grouting in of pumps on a concrete base.
- Installation of built equipment on to a base in the filed
- Double Reverse Alignment of equipment
- Laser Alignment and Train Alignment using Rotalign and Optalign software.
- Live Trend Alignment on High Temp equipment to record growth to establish a base cold offset alignment for the unit.
- Pipe strain on installed equipment
- Signaled crane operator to lower basic assembly units to bedplate and aligned unit to centerline.
- Moved machinery and equipment weighing over 140,00o pounds using hoists, dollies, rollers and trucks.
- Completed routine preventive maintenance on heavy equipment, minimizing machinery downtime.
- Used and maintained shop equipment to prevent downtime and reduce safety hazards.

EDUCATION AND TRAINING

August 2008
Journeyman | Industrial Mechanical
Millwright Training Center, Whittier

June 2000
High School Diploma
La Serna High School, Whittier, CA

Some College (No Degree)
Rio Hondo College, Whittier, CA

REFERENCES

Tom Anthony, Former VIP of Ethos Energy, Retired

(310) 863-6471 - Tom.anthony758@gmail.com - Former Manager, Father
Matthew Horton, General Technician, Siemens Energy
(951) 719-6300 - Matthew.horton@siemens-energy.com - Co-Worker
Terry Carpenter, Former Field Service Coordinator Bender CCP, Former
Service Manager of Brax Company
(909) 419-1516

6.6 Project Overview and Approach

Bender CCP is excited to create a strong relationship in which we can discuss objectives, recommendations and solutions to issues that arise at OCWD. Bender CCP takes great pride in providing quality turnkey overhauls. Here in Vernon we have appx. 120,000 sq./ft of machine/repair shop space. Bender CCP is a leader rotating equipment repair, and we are excited for the opportunity to work with the OCWD team again.

Once awarded the contract, Bender CCP will schedule with OCWD for the Field Service crew to mobilize on site and remove the pump under this contract. Once the pump is removed, we will transport to our Vernon Repair shop and perform the Dissasembly. At that point, we will provide OCWD with a detailed As Found Inspection along with repair recommendations. Once Approved, we will perform repairs and Schedule with OCWD crew to get the pump back on site for Installation.

Bender CCP's Quality Team will be involved in the project starting with the As Found Inspection and follow the project until Finish to ensure a quality repair.

Bender CCP can carry out all 3 repairs for contracts RFP-24-010, RFP-24-011 & RFP-24-012. We would remove one after another, complete shop repairs simultaneously and install when ready.

6.7 Additional Services

Bender CCP would like to get the pumps disassembled and discuss any repair options / suggestions at that time. There are many possibilities that include Bearing Upgrades, Shaft Upgrades, Mechanical Seal Upgrades which should be thoroughly thought through and discussed with OCWD when the time comes.

6.8 Experience and Record of Past Performance

Elsinore Valley Municipal Water District

31315 Channey St.
Lake Elsinore CA, 92530
Marcos Dillaway
(951)-816-2425
Performed jobs anywhere from complete pumps overhauls, field service troubleshooting, seal and bearing changes to manufacturing new pump shafts and parts.
Key Personnel:
Cody Robinson – Field Service Manager
Andrew Sanchez – Field Service Supervisor
Frank Castaneda – Lead Field Tech

Robert Anthony – Equipment Repair Supervisor
Project:
Field service removed and replace an aerator and gearbox. The customer has appx. 10 of these and we are swapping them all out. We have done about 6 so far.
Completed: 10/02/2019 – Current

Plains all American

5900 Cherry Ave.
Long Beach, CA 90805
Andy Hall
(562) 728-2365
ACHall@paalp.com
Performed jobs anywhere from complete pumps overhauls, field service troubleshooting, seal and bearing changes to manufacturing new pump shafts and parts.
Key Personnel:
Cody Robinson – Field Service Manager
Andrew Sanchez – Lead Field Tech
Frank Castaneda – Field Tech
Robert Anthony – Equipment Repair Supervisor
Project:
Removed and repaired 3 stage vertical pump, delivered back to job site and reinstalled
Completed: 01/28/2023 - $34,429.00

Kinder Morgan

2051 E. Slover Ave.
Bloomington, CA 92316
Jack Daily
(909)-877-2414
Performed jobs anywhere from complete pumps overhauls, field service troubleshooting, seal and bearing changes to manufacturing new pump shafts and parts.
Key Personnel:
Cody Robinson – Field Service Manager
Andrew Sanchez – Lead Field Tech
Frank Castaneda – Field Tech
Robert Anthony – Equipment Repair Supervisor
Project:
Field Service to Pull Out Vertical Sump Pump at Kinder Morgan Colton North, Transport To Shop, DCI & Repair, deliver back to site, install and align motor to pump

Orange County Sanitation District

18480 Bandilier Cir

Fountain Valley, CA 92708
Andrew Taylor
714-331-3974
Awarded Contract to Remove and Repair 2 Ebara Vertical Pumps, currently in the process of repairs on the first pump. Will then install and remove pump # 2 for repair
Key Personnel:
Cody Robinson – Project Manager
Andrew Sanchez – Lead Field Tech
Frank Castaneda – Field Tech
Robert Anthony – Equipment Repair Supervisor
Project:
Repair Spare MSP Pump, Pull MSP # 1 and Install Repaired Spare, Repair MSP # 1 and Install in MSP # 6 Location. Project Value $1,000,000.00

6.9 Price Proposal

The Rates Provided in this Proposal will remain in effect for the duration of the Contract.

6.9.1 Price Proposal

*See Fee Proposal Attachment for RFP Estimate
*Monthly Billing to be done based on Completion of Each Estimate Line Item the Prior Month

QUOTE

2150 East 37th Street
Vernon, CA 90058
323-919-5315
crobinson@benderccp.com

QUOTE RFP-24-011
DATE 7/16/2025
SALES REP. Cody Robinson

TO: Orange County Water District

ATTENTION: Robert Phillips

ITEM	QTY	UNIT	DESCRIPTION	UNIT COST	TOTAL
			LABOR - PRICE PER PUMP - RO Transfer Pump		
1	32	Hrs	FIELD SERVICE TO TRAVEL TO SITE AND REMOVE PUMP AND MOTOR	$ 182.00	$ 5,824.00
2	1	LS	Bragg Crane Subcontractor for Removal of Pump Price Includes Rigger / Signal Person & a Lift Plan	$ 9,267.00	$ 9,267.00
3	1	LS	TRANSPORT PUMP BACK TO BENDER CCP SHOP (Subcontractor)	$ 1,250.00	$ 1,250.00
4	6	Hrs	INSPECT SOLE PLATE FOR LEVELNESS	$ 182.00	$ 1,092.00
5	32	Hrs	DISSASEMBLE PUMP COMPLETE	$ 139.00	$ 4,448.00
6	20	Hrs	INSPECT PUMP PER REQUIRED CONTRACT SCOPE - SCOPE #'S 3,4,5,6,7 & 8	$ 139.00	$ 2,780.00
7	4	Hrs	BUILD AS-FOUND INSPECTION REPORT & BOM	$ 139.00	$ 556.00
8	1	LS	Mechanical Seal Repair (This is an Estimate)	$ 2,350.00	$ 2,350.00
9	1	LS	TRANSPORT PUMP BACK TO OCWD (Subcontractor)	$ 1,250.00	$ 1,250.00
10	40	Hrs	FIELD SERVICE TO TRAVEL TO SITE AND INSTALL PUMP, ALIGN AND TEST RUN PUMP	$ 182.00	$ 7,280.00
11	1	LS	Bragg Crane Subcontractor for Installation of Pump Price Includes Rigger / Signal Person & a Lift Plan	$ 9,267.00	$ 9,267.00
12	54	Hrs	Field Machine Soleplate if Needed (Not Included in Total Price Below)	$ 205.00	$ 11,070.00
			TOTAL PRICE FOR RFP-24-011 PER CONTRACT SCOPE IN EXHIBIT A-1		$ 45,364.00

Project Schedule by Line Item

Removal of Pump – Bender CCP will Schedule to Remove the Pump with OCWD within 1 week of Contract Award – Removal of Pump will be 2-3 Days On-Site. Bender CCP will work with Bragg Crane to provide a Detailed Procedure for Safe and Efficient Removal of the Pump

Examination of Soleplate – We will perform this the same day the pump is removed

Inspection of Items 3-8 – Appx. 3 weeks after pump is removed

Re-Installing the Pump and Test Run – 3-4 Days

6.10.1 Contractor Safety Program

Signed Contractor Environmental Health and Safety Form

CONTRACTOR'S ENVIRONMENTAL HEALTH & SAFETY AGREEMENT

I have read the information stated in the OCWD's Contractor Environmental Health & Safety Handbook. I understand that the information provided covers brief highlights of the OCWD's safety programs. It is my responsibility to review the updated programs and communicate the safety information & requirements to my employees.

I understand that the Contractor's Environmental Health & Safety Handbook is not intended to replace Federal, State or Local regulations regarding Contractor performance. Contractor shall keep itself fully informed of all existing and future state and federal laws and all county and city ordinances and regulations which in any manner affect the activities of Contractor and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. Contractor (including contractor employees and subcontractors) shall at all times observe and comply with all such existing and future laws, ordinances, regulations, orders and decrees, and shall protect and indemnify OCWD, its officers, directors, employees and agents against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order or decree.

Contractor Company: Bender CCP, Inc.

Contractor Name & Title (Please Print): Cody Robinson, Sales Manager

Contractor Signature: Cody Robinson

Date: 07/15/2025

FORWARD A SIGNED COPY OF THE CONTRACTOR'S AGREEMENT PAGE TO RISK & SAFETY DEPARTMENT

APPENDIX B

INSTRUCTIONS FOR CONTRACTORS

All licensed contractors interested in performing work for Orange County Water District (OCWD) must complete and provide the information requested in the "Contractor Required Information packet;" meet the criteria listed below and participate in a pre-project safety orientation meeting:

The Criteria below is required in order to comply with OCWD's Contractor Safety Program and Cal/OSHA's Multi-Employer Worksite Standard*****

*****_California Labor Code Sections 6400, 6401, 6401.7, 6402 through 6404 and Title 8, California Code of Regulations, Sections 336.10 and 336.11_

CONTRACTOR CRITERIA REQUIREMENTS:

☐ EMR greater than 1.25 for any year in the last three years.

☐ Received a Cal/OSHA regulatory citation and penalties assessed against your firm for any "serious," "willful" or "repeat" violation as defined by Cal/OSHA, Title 8, sections §330 and §334, in the past three years?

Yes ☐ No ☐

If "yes," attach a separate signed page describing the citations, including information about the dates of the citations, the nature of the violation, the project on which the citation(s) was or were issued, the amount of penalty paid, if any. If the citation was appealed and a decision has been issued, state the case number and the date of the decision.

NOTE: If you have filed an appeal of a citation, and the Appeals Board has not yet ruled on your appeal, you need not include information about it.

☐ Failure to provide all requested information.

NOTE: if the contractor is disqualified based on the information above, the awarding body will analyze the issues using the following two factors for potential consideration of the award:

1. Whether the incident was a good faith mistake and, if so, the error was promptly and voluntarily corrected when brought to the attention of the Contractor or Subcontractor, AND

2. Whether the Contractor or Subcontractor has a prior history of good performance, and the incident was openly reported, and the triggering event is not related to a major scope of work, caused by negligence, or resulted in regulatory violations or civil liability against awarding bodies.

Any policy year above 1.25 submit additional documentation to show incidents that resulted in increased EMR subject to review by the awarding party.

APPENDIX B: CONTRACTOR REQUIRED INFORMATION

Part 1: CONTRACTOR INFORMATION SECTION - To Be Completed By Contractor

- ❑ Contractor's Name: BENDER CCP
- ❑ Contractor's License (copy of license if applicable): _____
- ❑ California Registration Number (if applicable): _____
- ❑ Experience Modification Rate (EMR) for each of the past three premium years:

  Current year: 0.57 Previous year: 0.59 Year prior to previous year: 0.68

- ❑ Copy of 3 Years of OSHA 300A Annual Summary (If greater than 10 employees)
- ❑ How many serious injuries or fatalities has your company experienced in the past three years? 0
- ❑ How many Regulatory Violations has your company had in the last 3 years? 2

Part 2: SAFETY PROGRAM SECTION - To Be Completed By Contractor

All Written Safety Programs & Training Documentation must be available to OCWD upon request	YES	NO
Does your company maintain a written Injury Illness Prevention Program (IIPP) in accordance with GISO, Title 8, Section §3203 and §1509 and Labor Code (LC §6401.7)?	☒	☐
Does your company provide toolbox training and maintain documentation for IIPP employee training [§3203 and §1509(b)]?	☒	☐
Does your company maintain and post "Code of Safe Practices" documentation [Title 8, §1509(b)] ?	☒	☐
Does your company maintain disciplinary documentation for unsafe behavior of employees or subcontractors (if applicable) [Title 8, §3203 and §1509] ?	☒	☐
Does your company maintain inspection records and written evidence that safety and health concerns have been reviewed and corrective actions taken [§3203, LC§6401.7(b) and (D)]?	☒	☐
Does your company maintain a documented Hazard Communication Program that complies with GHS Labeling and Safety Data Sheets (SDS) [8 CCR §5194]?	☒	☐
Are procedures in place for communicating critical high-risk job activities, including a written safety plan or Job Safety Analysis (JSA), to ensure they are reviewed with all employees and subcontractors [LC 6401.7(a)(5)]?	☒	☐
Does your company have a written accident investigation program that ensures all accidents and incidents, including those involving subcontractors, are thoroughly investigated and corrective actions are implemented [§3203(a)(5) and (b) and §1509]?	☒	☐
Does your company have a written Emergency Action Plan that is effectively communicated to employees and subcontractors, covering emergencies such as medical incidents, fires, and chemical spills [8 CCR §3220]?	☒	☐
Are the aforementioned written programs, including training documentation and records of safety meetings, properly maintained on file and available upon request [LC §6401.7, §336.10, and 8CCR §1509(e)]? If yes, where are the documentations maintained? Company V:Drive	☒	☐

APPENDIX B: CONTINUED

Part 2 – PROJECT SPECIFIC SAFETY PROGRAM SECTION - To Be Completed By Contractor
(Please review each section below, check all that apply to the project, and provide the corresponding documentation details.**)**

☒ Our company has a written Confined Space Program that includes pre-entry monitoring, pre-entry permit, and employee training [T8 CCR §5157]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☒ Our company has a written Electrical Safety Program that complies with the required regulations that includes employee training [T8 CCR §2700 - §2989 and T8 CCR §2299 - §2599 and NFPA 70E]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☒ Our company has a written Fall Prevention Program that includes Personal Fall Arrest Systems, Personal Fall Restraint Systems, Positioning Devices and employee training [T8 CCR §1670]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☐ Our company has a written Trenching & Excavation Program that includes employee training [T8 CCR §1541.1]

Where is the documentation maintained? _____

☒ Our company has a written Lockout/Tagout Program that includes employee training [T8 CCR §3314(j)]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☒ Our company has a Hot Work Program that includes employee training [T8 CCR §4848]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

☐ Our company has a Traffic Control Program that includes employee training [T8 CCR, Construction Safety Orders, Article 11, 1597 - 1599]

Where is the documentation maintained? _____

☒ Our company has a documented Heat Illness Prevention Program for Outdoor Worksites, which includes comprehensive employee training. All contractors are expected to protect the workers by implanting measures to prevent heat illness **AND** to adjust their work practices to mitigate fire risks. During a "Red Flag Warning," extra precautions must be taken to prevent potential fire hazards [T8 CCR §3395]

Where is the documentation maintained? BENDER CCP Safety, Health and Environmental Management Manual

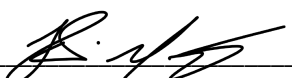
Other applicable programs (please list): _____

Contractors shall ensure that all employees under their supervision, including subcontractors, receive comprehensive training in the safe work practices required to perform their jobs safely. Additionally, contractors are responsible for effectively communicating the Job Safety Plan to all employees and subcontractors, ensuring full understanding and compliance with safety protocols.

COMMENTS: _____

Ivan Magaña

Name of Contractor Representative (please print)



7/15/2025

Contractor Representative's Signature **Date Signed:**

A bidder's failure to respond affirmatively to the questions listed in the "Part 2 - Safety Program Section" of Appendix B including the sections applicable to the work shall be grounds for the District to reject the bid as non-responsive.

APPENDIX B: CONTINUED

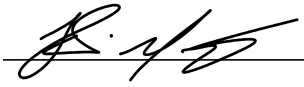
CONTRACTOR'S ENVIRONMENTAL HEALTH & SAFETY (EHS) AGREEMENT

I have read the information stated in the OCWD's *Contractor Environmental Health & Safety (EHS) Handbook*. I understand that the information provided covers brief highlights of the OCWD's safety programs. It is my responsibility to review the updated programs and communicate the safety information & requirements to my employees.

I understand that the Contractor's Environmental Health & Safety Handbook is not intended to replace Federal, State or Local regulations regarding Contractor performance. Contractor shall keep itself fully informed of all existing and future state and federal laws and all county and city ordinances and regulations which in any manner affect the activities of Contractor and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. Contractor (including contractor employees and subcontractors) shall at all times observe and comply with all such existing and future laws, ordinances, regulations, orders, and decrees, and shall protect and indemnify OCWD, its officers, directors, employees and agents against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order or decree.

Contractor Company: BENDER CCP

Contractor Name & Title (Please Print): Ivan Magaña EHS Manager

Contractor Signature: 

Date: 7/15/2025

6.10.2 Safety Manual

Attached in this proposal is a copy of our Safety Manual

6.10.3 Quality Control Plan

Bender CCP will have a Quality Engineer assigned to this project who will work alongside the Project Manager (Cody Robinson) to ensure the highest quality repairs.

6.11 Statement of Insurance Compliance

Bender CCP will meet the insurance requirements as set forth in the Services Agreement.

6.12 OCWD Standard Agreement

Bender CCP Accepts the Terms set forth in the Services Agreement in Exhibit C.

6.13 Billing

Bender CCP will meet the requirements specified for each Invoice Submitted

6.14 Conflict of Interest

Bender CCP, its Employees or its Subcontractors do not have any Conflicts of Interest on this Project.

6.15 Equal Employment Opportunity and Affirmative Action Requirements

Bender CCP agrees and follows Equal Employment Opportunity and Affirmative Action Requirements

ORANGE COUNTY WATER DISTRICT
18700 Ward Street
Fountain Valley, California 92708

ADDENDUM NO. 1
FOR
REQUEST FOR PROPOSALS (RFP-24-011)
ROTP B01 PUMP INSPECTION AND REFURBISHMENT

6/26/2025

This addendum serves as written notice of the following corrections, clarifications, additions and/or deletions to any and all copies of the Request for Proposals for ROTP B01 PUMP INSPECTION AND REFURBISHMENT for OCWD.

The proposer shall execute the certification at the end of this addendum and shall attach it to the proposal submitted.

---

1. RFP Revisions

a. Please refer to Attachment A-1 of this Addendum No.1 for the RO Transfer Pump (Weir Floway) drawing which includes motor dimensions and weight.

ATTACHMENT A-1

RO Transfer Pump (Weir Floway) Drawing

THIS DRAWING IS CERTIFIED

☐ FOR APPROVAL
NO PRODUCTION WILL START UNTIL APPROVED IN WRITING.

☒ FOR CONSTRUCTION
PRODUCTION HAS STARTED. ANY CHANGES MAY AFFECT PRICE AND DELIVERY.

OUR ORDER No.: 55353-5

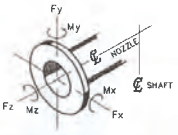
CUST. ORDER No.: 501034

BY: TL DATE: 8/30/05

FLOWAY PUMPS
FRESNO, CALIFORNIA

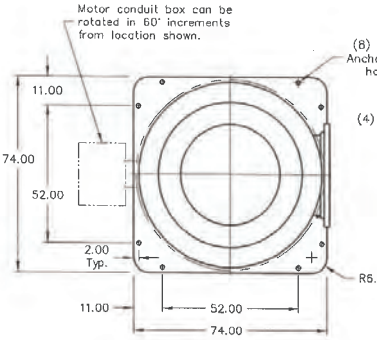
VERTICAL TURBINE PUMP
TYPE "FR"

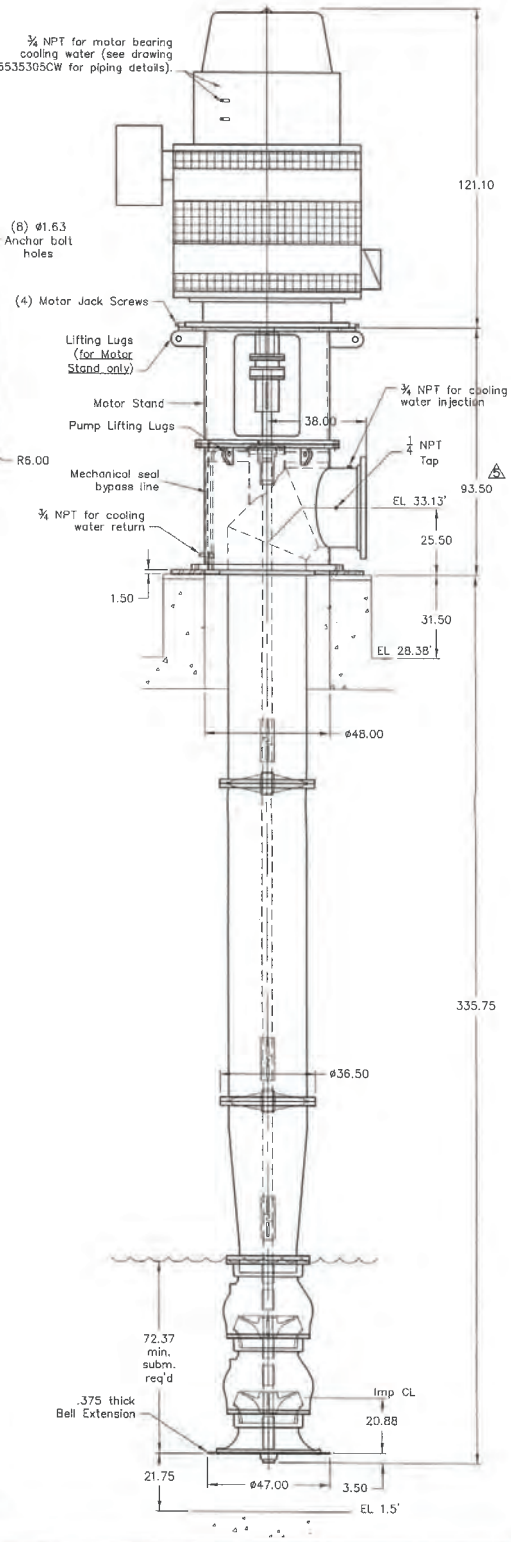
MAXIMUM ALLOWABLE FLANGE FORCES AND MOMENTS FOR VERTICAL TURBINE PUMPS



FLANGE SIZE	Fx & Fy (Lbs.)	Fz (lb)	Mx & My (FT-Lbs.)	Mz (FT-Lbs.)
30	1200	2400	3000	6000

REFER TO FACTORY WHEN FLANGE REQUIREMENT IS GREATER





SPECIAL FEATURES:

1. All bearings supplied with spiral grooved I.D.
2. Keyed lineshaft couplings.
3. Motor jacking screws supplied on discharge head.
4. Dynamic balanced impellers with balance report.
5. Material certifiticates supplied for pressure retaining pipe and plate, bowls, impellers, shafting, & wear rings.
6. Sole plates supplied with "THIS SIDE DOWN" put on the bottom of the sole plate with weld bead.
7. Anchor bolts supplied by others. See Seismic Calculations for recommended anchor bolt detail.
8. Spare Parts (one set per unit unless indicated)
   - All pump bearings
   - One set wear rings
   - One mechanical seal

COATING:

The discharge head ID and OD, sole plate top exposed surfaces, column pipe ID and OD, and bowl assembly exterior will be cleaned per SSPC-SP-10. Carboline 891 epoxy will be applied in two coats for 12 mils minimum total DFT. (color: White)

Holiday and thickness tests performed on all coating.

Please refer to the coating data sheets in this submittal package.

TESTING:

Hydrostatic testing:
The bowls, column pipes, and discharge head will be witness hydrostatically tested in accordance with API 610 standards.

Performance testing:
Pumps will be witness tested as units with one of the job drivers and the customer's VFD in accordance with the test procedure 55353PTP.

NPSH testing:
Pumps will be witness NPSH tested in accordance with procedure 55353NTP

DISCH. FLANGE

30 150# -R.F.ANSI. FLG.
(28) ø 1.38 DIA. HOLES *
32.70 DIA. BOLT CIRCLE
38.75 DIA. FLANGE
* BOLT HOLES STRADDLE VERTICAL ℄

PUMPAGE

FLUID SECONDARY EFFLUENT
SPEC. GRAVITY 1.0
VISCOSITY 1.0 cSt.
TEMPERATURE 69° - 75° F.
PH 6.5-7.5

PUMP

30 x 63 "FR" DISCH HEAD.
3.44 LINE SHAFT 30 COL
n/a SHAFT TUBE
PROD.LUBE X OIL LUBE -
TYPE 34-42KH STAGES 2
23,000 GPM 176.1' BOWL HD
IMPELLER ENCLOSED
STRAINER NO

MOTOR

MAKE GE
ENCLOSURE WPII
TYPE VSS NRR NO
HP 1250 RPM 895
PHASE 3 HERTZ 60
VOLTAGE 4000
FRAME NO. 8557P55
TYPE COUPLING CPAT 5500

MATERIALS

COL PIPE A53-GR B STEEL
LINE SHAFT A582-416 SS
DISCH. HEAD FABRICATED STEEL
NON-WET BOLTING A307 Gr.A STEEL
BOWL SHAFT A582-416 SS
MECH. SEAL FLOWSERVE 8B (SOvsTC)
SOLE PLATE A516-GR 70 STEEL
BRG.RETAINER A536 GR.60 DI
PUMP BOWL A48-CL 30 CIF
IMPELLER(UPPER) B148-952 BRONZE
IMPELLER(BOTTOM) A351 GR.CD4MCU
BEARINGS(BOWL) B505-932 BRZ
BEARINGS(LINESHAFT) NEOPRENE
WETTED BOLTING F593-CW 316SS
BOWL W/R A743 Gr.CA-15 (300+ BHN)
IMPELLER W/R A743 Gr.CA-15 (180 BHN)

APPROX. WEIGHT #	
MOTOR	24,300
DISCH. HD.	6500
SOLE PLATE	1685
COL. ASSY.	4160
BOWL ASSY.	5900
TOTAL WT.	42,545

LOCATION: ORANGE COUNTY WATER DISTRICT
RO TRANSFER PUMP STATION

CUSTOMER: J.F. SHEA CONSTRUCTION, INC.
667 BREA CANYON ROAD, SUITE 30
WALNUT, CA 91788-0489

FLOWAY CO: 55353-5
PUMP SERIAL #: 55353-5-1/2/3/4/5

TAG NUMBER: RO TRANSFER PUMPS
A01,2, / B01,2,3-PMP-0400

NOTES:
1. ALL DIMENSIONS IN INCHES
2. DRAWING SCALE = 1:48
3. DO NOT SCALE UNKNOWN DIMENSIONS
4. NOT TO BE USED FOR CONSTRUCTION UNLESS CERTIFIED

REV	BY	DATE	DESCRIPTION
1	TL	4/18/05	Certified for Construction.
2	TL	6/30/05	Updated per returned submittal comments.
3	TL	8/30/05	Updated head & motor dimensions & weights.
4	TL	12/20/05	Updated motor bearing cooling water details.
5	TL	3/15/06	Shortened height of discharge head.

OUTLINE DRAWING

DRAWN BY: TL

DATE: 10/28/04

DRAWING NUMBER
5535305COD

END OF ADDENDUM

MANDATORY FORM

ACKNOWLEDGE RECEIPT OF ADDENDUM NO. 1

Request for Proposal (RFP-24-011)

ROTP B01 PUMP INSPECTION AND REFURBISHMENT
6/26/25

Proposer shall acknowledge receipt of this addendum by detaching, signing and attaching to his/her proposal, one (1) copy of this sheet.

I, Cody Robinson, Bender CCP, Inc.

Name of Proposer, Company Name

2150 East 37th Street, Vernon CA, 90058

Address, City, State, Zip

Hereby acknowledge receipt of Addendum No. 1 to the **Request for Proposal (RFP-24-011) ROTP B01 Pump Inspection and Refurbishment** and have considered these revisions in the preparation of my proposal. This addendum, consisting of this acknowledgement, shall become a part of any contract made pursuant thereto.

Cody Robinson
Proposer's Signature

Cody Robinson
Printed Proposer's Name

07/15/2025
Date

ORANGE COUNTY WATER DISTRICT
18700 Ward Street
Fountain Valley, California 92708

ADDENDUM NO. 2
FOR
REQUEST FOR PROPOSALS (RFP-24-011)
ROTP B01 PUMP INSPECTION AND REFURBISHMENT

This addendum serves as written notice of the following corrections, clarifications, additions and/or deletions to any and all copies of the Request for Proposals for ROTP B01 PUMP INSPECTION AND REFURBISHMENT for OCWD.

The proposer shall execute the certification at the end of this addendum and shall attach it to the proposal submitted.

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1. Q&A Table

a. Please refer to Attachment A-1 of this Addendum No.2 for the Q&A Table.

ATTACHMENT A-1

Q & A Table

Q A Table

REQUEST FOR PROPOSAL (RFP-24-011)
ROTP B01 PUMP INSPECTION AND REFURBISHMENT
Date of Addendum: 7/7/2025

No.	QUESTIONS	ANSWERS
1	The scope of services includes new mechanical seals. This was not discussed at the pre-bid meeting. Please confirm if new mechanical seals are to be included in the pricing. If so, please provide the necessary information for the mechanical seals.	This was discussed in the pre-bid meeting, bids must include new or OEM rebuilt seals.
2	Please confirm if the removal of pump motors is to be included or if that is done by others. If it is to be included, please provide the location where we are to place the motor after removal.	As discussed in the pre-bid meeting ALL disassembly, including motor removal, is the responsibility of the winning bidder. The motors will be placed at a location outside the buildings. The winning bidder must provide a motor stand.
3	Please provide the distance from the pump/roof hatch to where the crane is to be set up. This will help with selecting the correct size crane.	As discussed in the pre-bid meeting the Crane set up, capacity, rigging, etc. is at the sole discretion of the winning bidder/ crane subcontractor. Winning bidder is responsible for providing a safe and effective lifting plan.

END OF ADDENDUM

MANDATORY FORM

ACKNOWLEDGE RECEIPT OF ADDENDUM NO.2

Request for Proposal (RFP-24-011)

ROTP B01 PUMP INSPECTION AND REFURBISHMENT
7/7/25

Proposer shall acknowledge receipt of this addendum by detaching, signing and attaching to his/her proposal, one (1) copy of this sheet.

I, Cody Robinson, Bender CCP, Inc.

Name of Proposer, Company Name

2150 East 37th Street, Vernon CA, 90058

Address, City, State, Zip

Hereby acknowledge receipt of Addendum No.2 to the **Request for Proposal (RFP-24-011) ROTP B01 Pump Inspection and Refurbishment** and have considered these revisions in the preparation of my proposal. This addendum, consisting of this acknowledgement, shall become a part of any contract made pursuant thereto.

Cody Robinson

Proposer's Signature

Cody Robinson

Printed Proposer's Name

07/15/2025

Date

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: M. Patel/B. Smith

Budgeted: Yes
Budgeted Amount: $600,000
Cost Estimate: $790,000
Funding Source: R&R
Program/ Line Item No. R25025
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A

Subject: PURCHASE TWO ANAHEIM LAKE PUMPS

SUMMARY

Anaheim Lake plays a key role in surface water recharge, storage, and stormwater management. Two of its four submersible pumps, installed in 1990, are beyond their service life, and failure would significantly impact stormwater capture. Staff recommends a sole-source purchase to Xylem for $779,252 to replace these pumps and requests a $190,000 budget increase to cover the higher-than-anticipated costs.

Attachment: Quote and Letter from Xylem/Flygt

RECOMMENDATION

Agendize for August 20 Board meeting: Authorize issuance of Purchase Order to Xylem Water Solutions for $779,252 to purchase two replacement submersible pumps for Anaheim Lake and authorize additional funds in the amount of $190,000 for R&R account R25025.

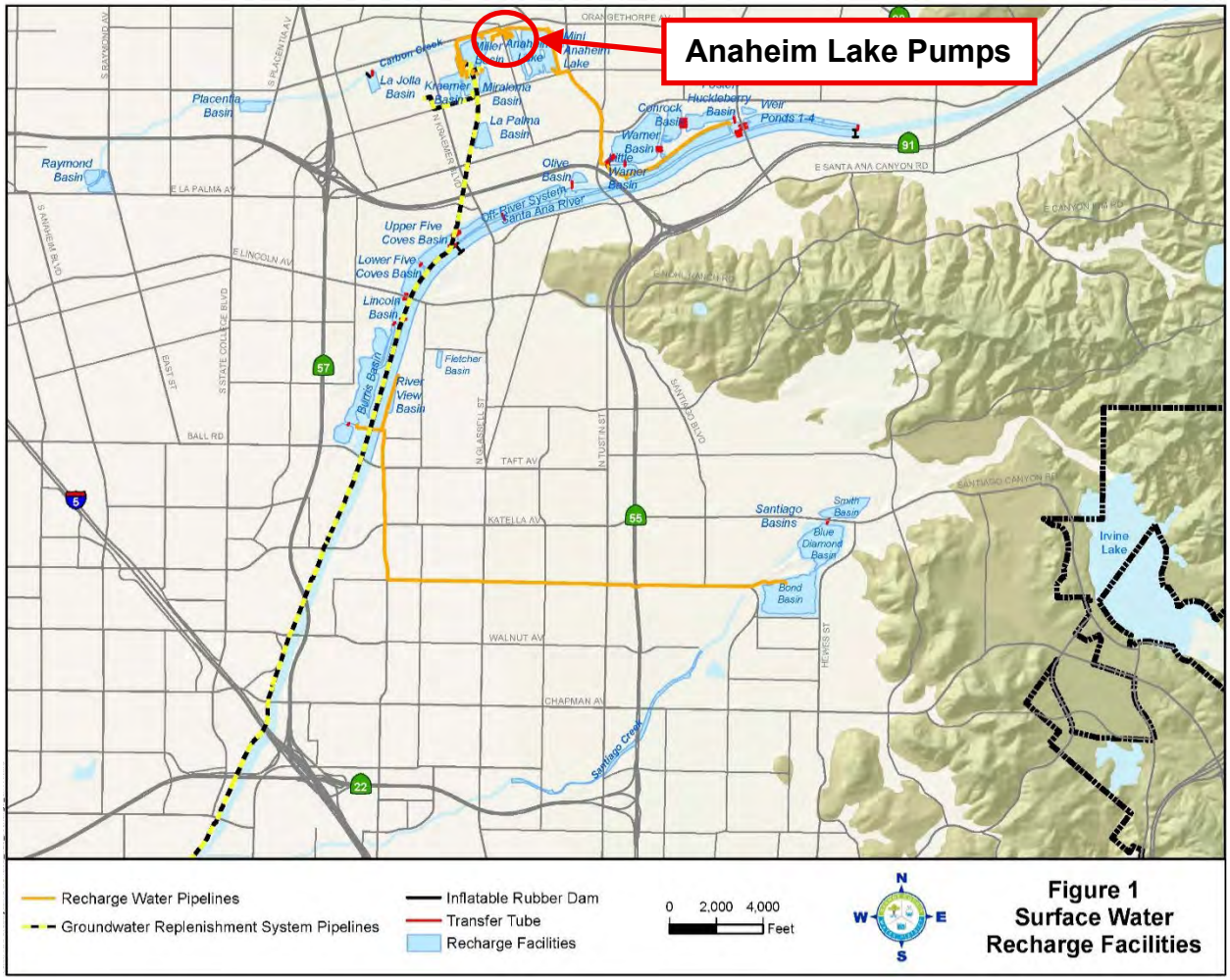
BACKGROUND/ANALYSIS

Anaheim Lake is a key component of the forebay's surface water recharge system, see Figure 1. In addition to providing significant percolation capacity, the lake offers substantial storage and serves as an integral hub for conveying both imported and stormwater supplies. It also functions as a desilting facility during stormwater capture and routing, with water pumped from the lake to downstream recharge facilities including Kraemer, Miller, La Jolla, Raymond, and Placentia Basins.

The lake is equipped with a submersible pump station and a vertical turbine pump with a combined pumping of about 16,500 acre-feet per year to downstream basins. The submersible pumps are primarily used for water routing, while the vertical turbine pump serves dewatering purposes. Four submersible pumps were originally installed in 1990; two have since been replaced, but the remaining two 35-year-old motor-pump units, though periodically serviced, are operating beyond their expected service life. Failure of these pumps would significantly reduce the District's ability to capture and transfer stormwater.

The submersible pump connections (i.e., pump bases) are proprietary to the Flygt brand, which is currently a subsidiary of Xylem. Using a different manufacturer's pumps would require a construction project to modify the existing piping and structural configuration. Furthermore, the same brand and model of pumps are installed at the Kraemer and Warner Basins, which streamlines maintenance (including increased efficiency in asset management plans) and allows for interchangeability in the event of an emergency. For these reasons, staff recommends sole-sourcing the replacement pumps directly from Flygt/Xylem, as has been done for prior pump replacements. Xylem has provided the attached letter outlining their qualifications and unique vendor status.

Figure 1: Anaheim Lake Pumps Location



This project was originally budgeted at $600,000 (during the budgeting process completed in January 2025) based on historical pump replacement costs; however, recent economic factors including tariffs, labor, and material price increases have resulted in higher than anticipated costs. The current procurement quote is $779,252, exceeding the budget by approximately $180,000. District staff will perform the pump removal and installation in-house and may need to complete minor conduit, piping, or structural modifications, for which an additional $10,000 is recommended. A summary of the revised budget is provided in Table 1.

Table 1: Anaheim Lake Pump Replacements Budget Summary

Description	Budget Book Estimate	Proposed Budget
Flygt/Xylem Submersible Pumps	$ 590,000	$ 779,252
In-House Installation Materials	$ 10,000	$ 10,748
Total	**$ 600,000**	**$ 790,000**

Staff recommends issuing a purchase order to Xylem Water Solutions in the amount of $779,252 for the procurement of the new submersible pumps. In addition, staff requests approval of a $190,000 increase to the R25025 project budget, to be funded by R&R Reserves, resulting in a total revised project budget of $790,000.

PRIOR RELEVANT BOARD ACTION(S)

N/A

Xylem Water Solutions USA, Inc.
Flygt Products

11161 Harrel Street
Mira Loma, CA 91752
Tel (951) 332-3668
Fax (951) 332-3679

July 21, 2025

ORANGE COUNTY WATER DISTRICT
18700 WARD ST
PO BOX 20845
FOUNTAIN VALLEY CA 92708-6930
MR. PETE DOPLITO

Quote # 2025-LAB-0375

Project Name: F HQ OCWD

Xylem Water Solutions USA, Inc. is pleased to provide a quote for the following Flygt equipment.

FLYGT PUMP MODEL CP3531 865 DRIVE 295 HP

Qty	Part Number	Description	Unit Price	Extended Price
2	00ZZZZ0	Flygt CP 3531, 63-1040, 615 mm Intended for semi permanent wet installation, guiding claw included other installation components to be ordered individually Cast iron impeller Drive Unit: 865 10 pole, 295 hp, 460 V, Std motor Cooling jacket for direct media cooling Insulated support bearing Cables Material Shaft: AISI 431 Stainless steel Supervision FLS, leakage detector, in junction box FLS, leakage detector, in stator housing PT-100 in one stator winding PT-100 in lower bearing Pump memory		
2	14-40 71 29	MINI-CASII/FUS 120/24VAC,24VDC		
2	14-40 71 30	SOCKET,11-PIN BACK MOUNTING		

FLYGT PUMP MODEL CP3531 865 DRIVE 295 HP Price **$ 382,174.50**

POWER AND CONTROL CABLE				
Qty	Part Number	Description	Unit Price	Extended Price
2000’	94 19 99	CABLE,SUBCAB S3X120+3X70/3+ 2S(2X0.5) 51MM, 2 X 500’ PER PUMP	$ 141.75	$ 283,500.00
1000’	94 08 94	CABLE,SUBCAB S12X1.5 30MM 1 X 500’ PER PUMP	$ 48.00	$ 48,000.00
		POWER AND CONTROL CABLE Price		**$ 331,500.00**

FM MOTOR				
Qty	Part Number	Description	Unit Price	Extended Price
2	00ZZZZ0	FM MOTOR ADDER	$ 8,213.25	$ 16,426.50
		FM MOTOR Price		**$ 16,426.50**

NEW 3531 WIRE TERMINATION , FLYGT START UP AND TRAINING				
Qty	Part Number	Description	Unit Price	Extended Price
3	14-69 00 09A	START UP,FLYGT,NO TAX 1-TP MODELS: 3000,7000,8000	$ 1,705.00	$ 5,115.00
		NEW 3531 WIRE TERMINATION , FLYGT START UP AND TRAINING Price		**$ 5,115.00**

MAS 801 AND ACCESSORIES- NOT INCLUDED				
Qty	Part Number	Description	Unit Price	Extended Price
0	823 07 00	MONITOR,PUMP MAS800 CU	$ 2,871.75	$ 0.00
0	823 06 00	#MONITOR,PUMP MAS800 BU811+ R/B: 8230601	$ 2,762.25	$ 0.00
0	822 48 00	# HMI,OPERATOR FOP402 7"+ R/B 8738300	$ 1,060.50	$ 0.00
0	40-50 15 36	MODULE,RELAY PUMP MONITORING+ MRM 01 MAS 711	$ 534.75	$ 0.00
		MAS 801 AND ACCESSORIES Price		**$ 0.00**
		SUB- Total Price		**$ 735,216.00**
		Freight Charge		**$ 44,036.00**
		Total Price		**$ 779,252.00**

Qty	Part Number	Description	Unit Price	Extended Price

Notes and Exceptions

1. Flygt will be wired using MiniCAS for pump protection and monitoring. This is installed inside the panel.
2. Due to pump distance of 500' - MAS 801 Monitoring will not function and will not be able to monitor the pumps
3. Items not included: Concrete, excavation, piping, guide rails, eccentric reducers/enlargers and installation, anchor bolts, non- standard items. All others not mentioned in the above proposal
4. Stainless Steel Guide Rails Schedule 40 T-316L welded stainless pipe per ASTM A-312 x 20' not in the above quote
5. Control panel by others
6. Submittal available within 10 working days for the pumps and accessories
7. Seller's submission of submittal shall not be construed as acceptance of Buyer's terms and conditions of sale while pending negotiation.
8. **"All Flygt pumps are not to be held at manufacture upon completion of testing. * Only exception - G&G models, which require customer approval for testing."**

Terms & Conditions

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at http://www.xyleminc.com/en-us/Pages/terms-conditions-of-sale.aspx and incorporated herein by reference and made a part of the agreement between the parties.

As of October 14th, 2024, all orders must meet a minimum dollar value of $1,200. Xylem reserves the right to refuse to process any order that does not meet the minimum order value requirement. Xylem will support order adjustments to meet the minimum order value threshold.

Purchase Orders: Please make purchase orders out to: Xylem Water Solutions USA, Inc.

Freight Terms: 3 DAP - Delivered At Place 08 - Jobsite (per IncoTerms 2020)
See Freight Payment (Delivery Terms) below.

Taxes: State, local and other applicable taxes are not included in this quotation.

Back Charges: Buyer shall not make purchases nor shall Buyer incur any labor that would result in a back charge to Seller without prior written consent of an authorized employee of Seller.

Tariff Changes: The prices quoted herein are based on the current tariff rates, duties, government charges, and trade regulations as of the date of this quote. If any new tariffs, duties, taxes, or similar charges are imposed, or any existing tariffs, duties, or charges are increased or modified by any government or regulatory authority (collectively, "Tariff Changes"), and such Tariff Changes result in an increase in the cost of goods, Xylem reserves the right to adjust the pricing of the affected goods to reflect the increased costs.

Shortages: Xylem will not be responsible for apparent shipment shortages or damages incurred in shipment that are not reported within two weeks from delivery to the jobsite. Damages should be noted on the receiving slip and the truck driver advised of the damages. Please contact our office as soon as possible to report

FLYGT
a xylem brand

damages or shortages so that replacement items can be shipped and the appropriate claims made.

Terms of Delivery: Prepaid

Schedule: Delivery lead times are 18- working weeks after receipt of submittal approval and order acceptance.

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Terms of Payment: 100% N45 after invoice date.
Xylem's payment shall not be dependent upon Purchaser being paid by any third party unless Owner denies payment due to reasons solely attributable to items related to the equipment being provided by FLYGT.

Validity: This Quote is valid for Sixty (60) days.

Thank you for the opportunity to provide this quotation. Please contact us if there are any questions.

Sincerely,

Xylem Water Solutions USA, Inc.
Flygt Products

Ricardo Guanio
Direct Sales Representative

Cell: 562-382-3930
ricardo.guanio@xylem.com
Fax: 951-332-3679

Customer Acceptance

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at http://www.xyleminc.com/en-us/Pages/terms-conditions-of-sale.aspx and incorporated herein by reference and made a part of the agreement between the parties.

A signed copy of this Quote is acceptable as a binding contract.

Purchase Orders: Please make purchase orders out to: Xylem Water Solutions USA, Inc.

Quote #: 2025-LAB-0375
Customer Name: ORANGE COUNTY WATER DISTRICT
Job Name: F HQ OCWD
Total Amount: $ 735,216.00
(excluding freight)

Signature: _____ Name: _____
(PLEASE PRINT)

Company/Utility: _____ PO: _____

Address: _____ Date: _____

_____ Phone: _____

_____ Email: _____

_____ Fax: _____

FLYGT
a xylem brand

Flygt Great & Gray C-3531 /865 WITH 295 -HP

Over the years, Orange County Water District has been using the older Model 3530 . Flygt Pumps has proven with reliability, durability , less call -outs, back up with local parts and local service facility with factory trained technicians.

The Flygt Large (Great & Gray) 3000 Series range pumps delivers proven, long-term and true non-clog wastewater pump performance.

Unfortunately, due to the escalating costs of materials, labor and the current tariff adjustments, Xylem Flygt has to adopt these price adjustments and increases.

Features and differentiators

- Standard CSA_{US} or <FM> Hazardous Location Approvals
- Pump and Motor from a Single Source
- Components are of A-48, Class 35B grey cast iron
- Field-replaceable power cable
- Cable sealed with dual compression type grommets
- Cable terminal board connection
- Air-filled motors
- Motor cooling methods available:
    - Open-loop, self supplying
    - Closed-loop – monopropylene glycol/water (IE-3 Std)
- IE-3, Premium efficiency motors are option-available

- FLS located in junction chamber and dry stator housing
- Stator is heat-shrunk fit into motor housing
- Stator insulated with Class H insulating resin
- Motor has a 1.15 Service Factor
- Motors are NEMA MG-1, Part 31 compliant for VFDs
- Permitted motor starts: 10-12 equally spaced starts per hr. (3) Stator thermal switches, one per phase winding
- Lower thrust bearing PT-100 sensor against bearing race
- Mechanical seals
    - Upper – T-C / T-C with Zero Leakage™ design
    - Lower – T-C / T-C with Spin-out™ feature
- Bearing L_{10} life is 100,000-hrs., minimum (POR)
- Motor shaft is stainless steel
- Pump to discharge connection seal is metal-to-metal
- MAS-801 Motor monitoring up to 11 sensor functions
- Vibration sensing in 3-planes
- Pump memory

High-capacity pumps

When higher capacity is required, the Flygt N-pump series has pumps to do the job. These models deliver unprecedented pumping power – reliably and efficiently.

1. Better heat transfer
Our specially designed and manufactured motor provides enhanced cooling because heat losses are concentrated around the stator. Trickle impregnated in resin (Class H insulation), the stator windings are rated at 180°C (355°F) and enable up to 15 starts per hour.

2. Efficient cooling
These pumps are cooled either by the pumped liquid or liquid/air with an internal closed-loop cooling system.

3. Cable entry
Water-resistant cable entry provides both sealing and strain relief functions for a safe installation.

4. Sensors
Thermal sensors in the stator windings prevent overheating, and an analog temperature sensor monitors the lower bearing. The stator housing/leakage chamber and the junction box are equipped with leakage sensors. The sensors decrease the risk of bearing and stator failure.

5. Long-life bearings
Durable bearings provide a minimum service life of 100,000 hours.

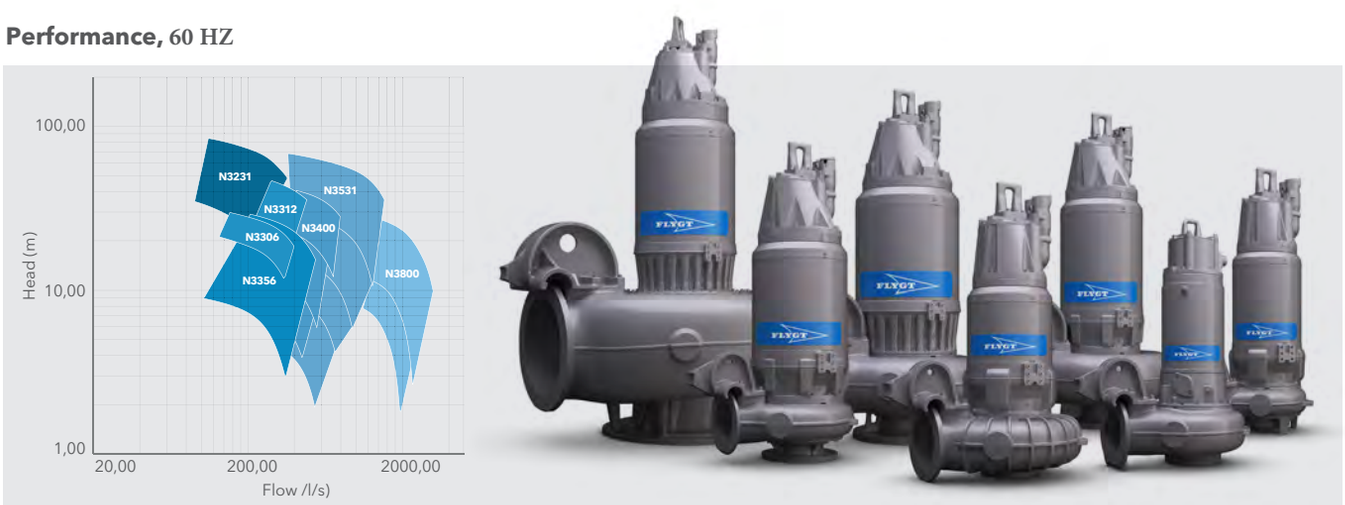
6. Enduring seals
Two sets of mechanical shaft seals work independently for double security. The Active Seal™ system offers increased sealing reliability and zero leakage into the motor, thereby reducing the risk of bearing or stator failure.

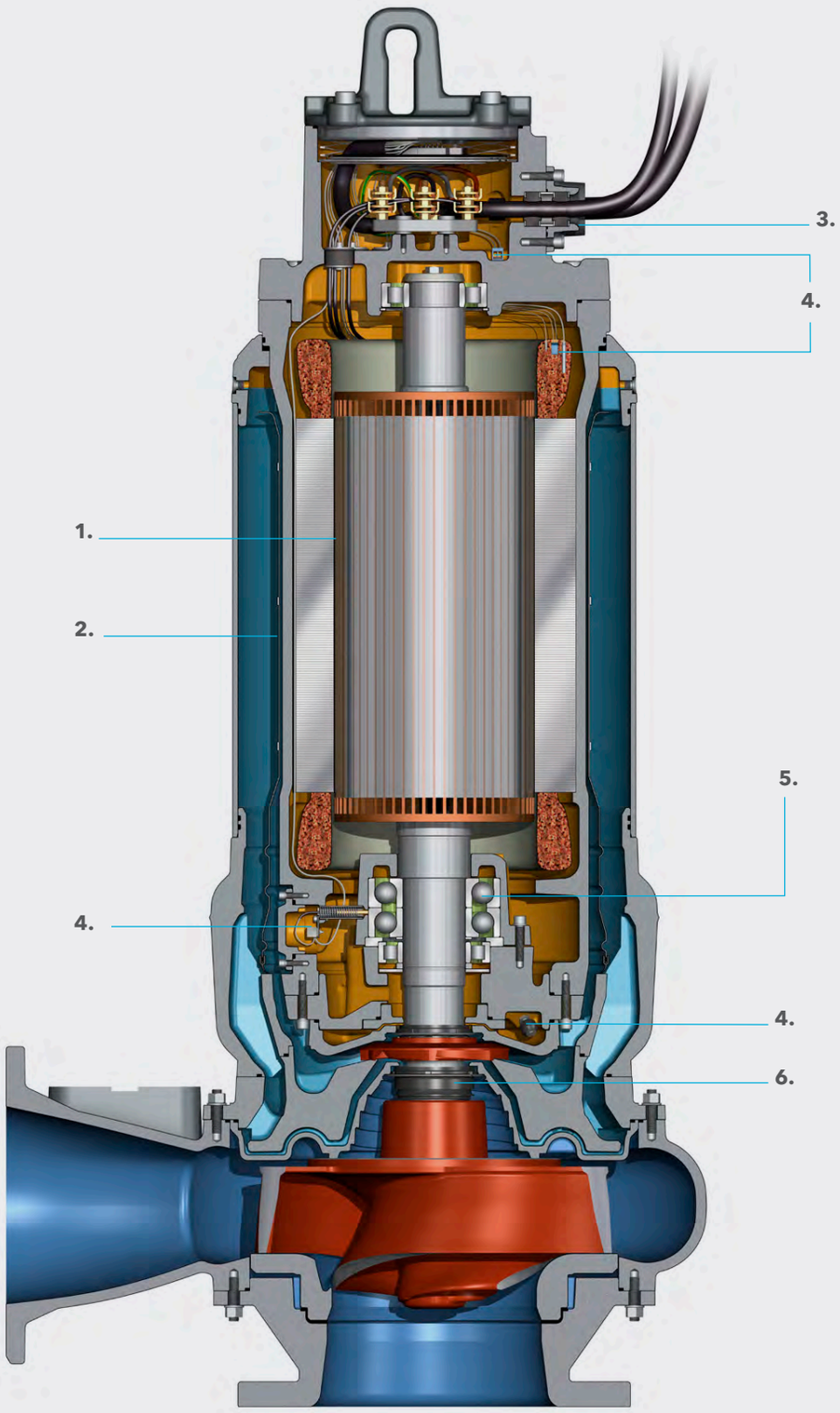
Compliance
Each pump is tested and approved in accordance with national and international standards, including IEC 60034-1 and CSA. Pumps are available in explosion-proof versions for use in hazardous environments, and are approved by the Factory Mutual, European Standard and IEC.

POWER RATINGS AND SIZE

Model	**3231**	**3306**	**3312**	**3356**	**3400**	**3531**	**3800**
Power rating - kW	70–215	58–100	55–250	45–140	40–310	40–680	225–550
Discharge size - mm	200	300	300	350	400	500	800

Performance, 60 HZ

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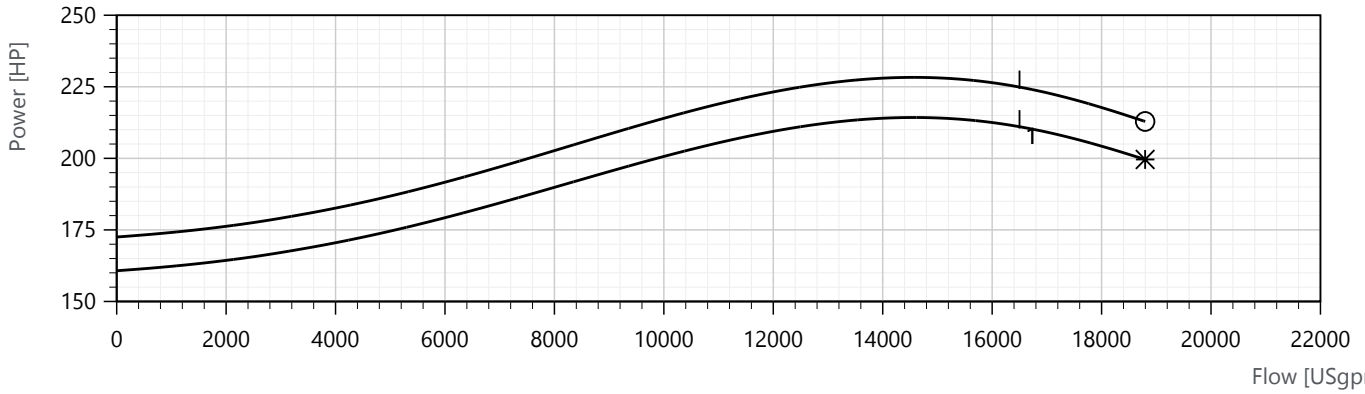
PERFORMANCE CURVE

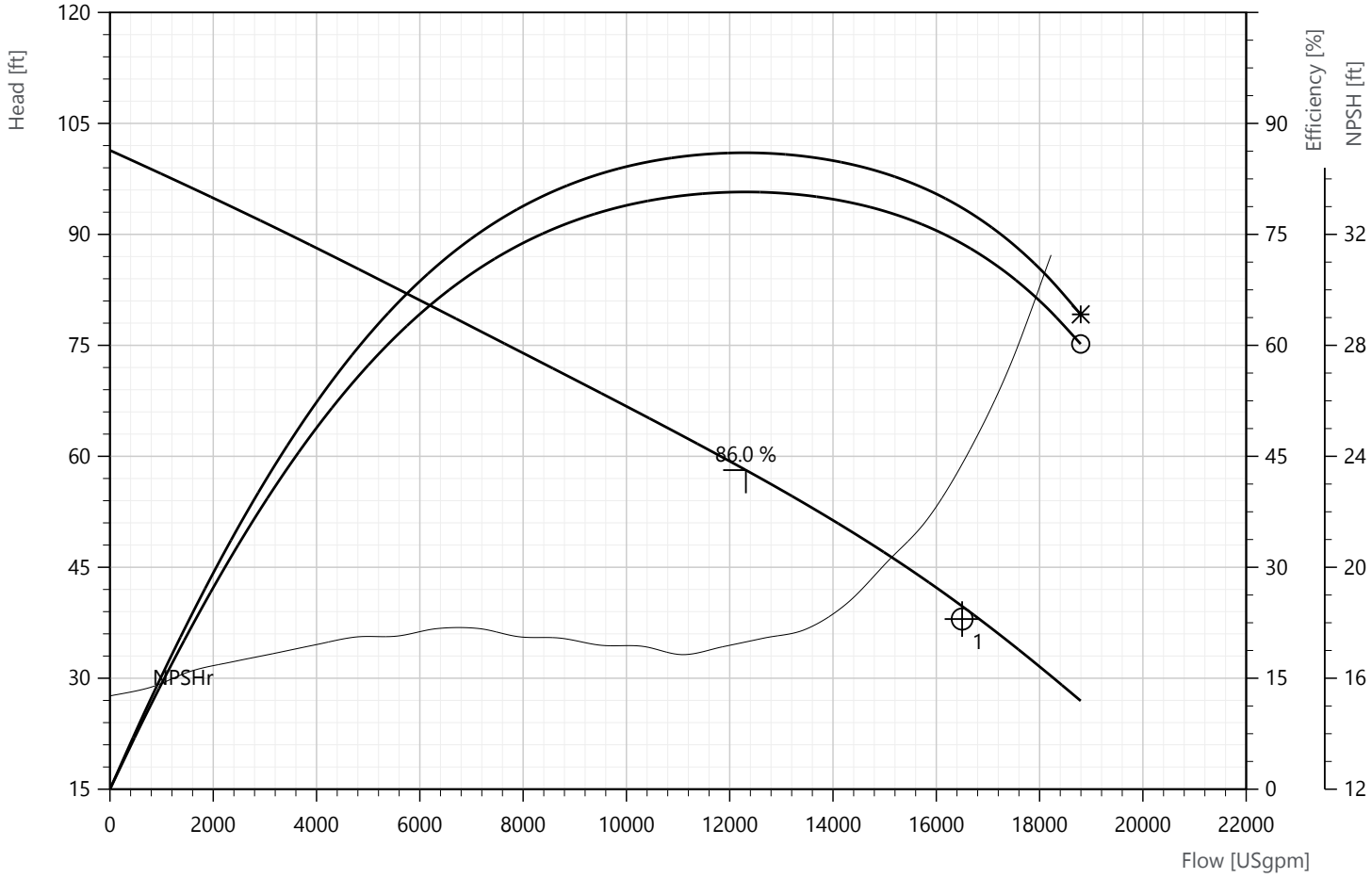
DATE	REPORT	ISSUE	PRODUCT
2021-07-29	OCWD Replacement Pump	129	CP3531 / 865.000

NUMBER OF BLADES	TOTAL MOMENT OF INERTIA	POLES	FREQUENCY	CURVE NAME
3	22 kgm2	10	60 Hz	63-1040
IMPELLER THROUGHLET	**RATED SPEED**	**VOLTAGE**	**RATED POWER**	**IMPELLER DIAMETER**
105 mm	710 rpm	460 V	295 HP / 220 kW	615 mm

	1/1-RATED POWER	3/4-RATED POWER	1/2-RATED POWER	RATED CURRENT	STARTING CURRENT	MOTOR TYPE / STATOR
MOTOR COS PHI	0.74	0.68	0.57	395 A	2100 A	54-66-10AA/01-D
MOTOR EFFICIENCY	93.9 %	93.9 %	92.9 %	STARTING TORQUE 3440 Nm	MAX TORQUE 6855 Nm	MOTOR ISSUE 13 / DUTY CLASS S1



Duty points	Flow [USgpm]	Head [ft]	Power [HP]	Efficiency [%]	NPSHr [ft]	Standard	Guarantee (-> no guarantee
1	16500	38.0	(224) (210)	(73.0) (77.8)	24.3	HI11.6-2017	1B QH Guarantee



NOTE:
CURVES SHOW PERFORMANCE WITH CLEAR COLD WATER
* : PUMP EFFICIENCY / SHAFT POWER
O : OVERALL EFFICIENCY / INPUT POWER
NPSHR = NPSH3 + MARGIN

AUTHOR:
CARLOS MIRANDA

For the period defined, Xylem Water Solutions USA, Inc. ("Xylem") offers a commercial warranty to the original End Purchaser against defects in workmanship and material on FLYGT Products ("Products"). This Warranty includes FLYGT parts and labor as outlined in ADDENDUM – A.

COVERAGE:
For valid claims received during the Warranty period, and except as otherwise provided by law, Xylem will, at its option and at no cost to Purchaser (provided that the Product, with cable attached, is returned prepaid to a Xylem Authorized Service Facility for FLYGT Product repairs or the repairs are done in situ by trained personnel with previous written authorization by Xylem warranty department or Xylem technical department), either repair or replace any Product which fails to conform with the Warranty; provided, however, that under either option, Xylem will not be obligated to remove the defective Products or install the repaired or replaced Products. Purchaser will be responsible for all other costs, including service costs. Buyer's failure to comply with Xylem's repair or replacement advice will constitute a waiver of Purchaser's rights and render all warranties void. Coverage for FLYGT parts and labor will be provided for the period shown in ADDENDUM - A.

The warranty period will begin upon shipment of Product or a valid date of Start-up. In cases where the Start-up date is used as the beginning of the Warranty period, a Start-up Report completed by an approved service technician from a Xylem Authorized Service Facility must be received by the Xylem Area Service Manager within thirty (30) days of the initial date the unit is placed into service. If a Start-up Report is not received within this time, the beginning of the Warranty period will default to the Product shipment date. Start-up must occur within one (1) year from the date of shipment from a Xylem authorized facility for the Products or the start of the Warranty period will automatically default to the shipment date unless extended in writing by Xylem (See STORAGE section). When the start-up date is the beginning of the Warranty, a copy of the Start-up Report will be required to support any Warranty Claims. This warranty does not apply to FLYGT Dewatering Pumps.

Warranty on FLYGT Dewatering pumps will begin upon shipment of the pumps for the period shown in ADDENDUM-A. No other Warranty start-date on FLYGT Dewatering pumps will be considered.

Explosion Proof ("FM") rated pumps are to be repaired only by a Xylem trained and certified technician. Only FLYGT FM approved parts are acceptable.

The Warranty is conditioned on Purchaser giving written notice to Xylem of any defects in material or workmanship of warranted Products within ten (10) days, or shorter period as dictated by the issue, of the date when any defects or non-conformance first manifest. If these time limits are exceeded the Warranty claim reimbursement will be reduced or rejected.

Xylem sole obligation under this Warranty shall be to repair, replace, or provide a credit for Product which in Xylem's sole discretion are proven to be nonconforming. Any Products which are repaired or replaced by Xylem under the Warranty are warranted only for the remaining balance of the warranty period. Incoming freight from Purchaser will be shipped DAP prepaid to the designated Xylem location in accordance with Incoterms 2020. Return freight out will be shipped DAP prepaid to Purchaser in accordance with Incoterms 2020.

Nonconforming parts and products should be kept for up to ninety (90) days in case are needed for further analysis. After the holding period these parts should be scrap following all local regulations at no cost to Xylem.

MISUSE:

This Warranty shall not apply to any Products or part of Products that have: (i) been subjected to misuse, misapplication, accident, alteration, neglect, or physical damage; (ii) been installed, operated, used and/or maintained in a manner contrary to Xylem's printed instructions for installation, operation and maintenance including but not limited to: (a) operation of the Products without being connected to monitoring devices supplied with specific products for protection or no corrective actions are taken after an alarm from a monitoring device has gone off; (b) have been repaired by non-authorized third parties other than Xylem or without Xylem's written approval; (c) have been damaged due to a defective power supply, improper electrical protection, faulty installation or repair, ordinary wear and tear, corrosion or chemical attack, an act of God, an act of war or by an act of terrorism, or vandalism; (d) have been damaged due to abnormal conditions, vibration, failure to properly prime, or operation without flow; or (e) have been damaged resulting from the use of accessory equipment not sold by Xylem or not approved by Xylem in connection with the Products.

WEAR PARTS:

This warranty does not cover costs for standard and/or scheduled maintenance performed, nor does it cover FLYGT parts that, by virtue of their operation, require replacement through normal wear ("Wear Parts"), unless a defect in material or workmanship is determined by Xylem. Wear Parts are defined as Cutters, Cutting Plates, Impellers, Agitators, Diffusers, Wear Rings (Stationary or Rotating), Volutes (when used in an abrasive environment), oil, grease, cooling fluids, strainers, power & control cables and/or any items deemed necessary to perform and meet the requirements of normal maintenance on the Products.

TRANSPORTATION DAMAGE:

Any damage that occurs during transport is only covered if a Product or part thereof is received in otherwise generally undamaged packing material. All other transportation damages shall be submitted and settled through the freight carrier's insurance policy by either Purchaser or Xylem based upon the Incoterms associated with the order. A claim can be submitted for the packaging material for cases where the packing material itself is damaged to the point that it cannot be further used to protect the product or part on its way to the end user. In all cases pictures shall be taken and submitted with the claim to document the circumstances. Transportation damage claims must be claimed within one week from arrival of the goods to the end destination.

EXTENDED WARRANTY:

It is possible to increase the percentage coverage of FLYGT parts and labor that is shown in ADDENDUM – "A" by submitting a request form to Xylem Warranty department and paying the additional fees. The serial number of each pump must be submitted in order to obtain the letter of intent to provide warranty.

DISCLAIMERS:

Xylem warranties are null and void when Products are exported outside of the United States of America without the knowledge and written consent of Xylem. In the case of goods not manufactured by Xylem there is no warranty by Xylem; however, Xylem will extend to the Purchaser any warranty received from Xylem's supplier for such parts or products.

LIMITATIONS:

XYLEM NEITHER ASSUMES, NOR AUTHORIZES ANY PERSON OR COMPANY TO ASSUME FOR XYLEM ANY OTHER OBLIGATION IN CONNECTION WITH THE SALE OF ITS FLYGT EQUIPMENT. XYLEM TAKES NO RESPONSIBILIY FOR ANY WARRANTY THAT EXPANDS, MODIFIES OR IS INCONSISTENT WITH THIS WARRANTY AND XYLEM TAKES NO RESPONSIBILITY FOR ANY WARRANTY OBLIGATIONS OTHER THAN THOSE SPECIFIED IN THIS WARRANTY DOCUMENT.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY AND ALL OTHER EXPRESS AND IMPLIED WARRANTIES, GUARANTEES, CONDITIONS OR TERMS OF WHATEVER NATURE RELATING TO FLYGT PRODUCT(S), INCLUDING AND WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE WHICH ARE HEREBY EXPRESSLY DISCLAIMED AND EXCLUDED. EXCEPT AS OTHERWISE PROVIDED BY LAW, PURCHASER'S EXCLUSIVE REMEDY AND XYLEM'S AGGREGATE LIABILITY FOR BREACH OF ANY OF THE FOREGOING WARRANTIES IS LIMITED TO REPAIRING OR REPLACING THE PRODUCTS AND WILL IN ALL CASES BE LIMITED TO THE AMOUNT PAID BY THE PURCHASER HEREUNDER.

XYLEM WILL HAVE NO LIABILITY FOR LOSS OF PROFIT, LOSS OF ANTICIPATED SAVINGS OR REVENUE, LOSS OF INCOME, LOSS OF BUSINESS, LOSS OF PRODUCTION, LOSS OF OPPORTUNITY, LOSS OF REPUTATION, LIQUIDATED, INDIRECT, CONSEQUENTIAL, INCIDENTAL PUNITIVE OF EXEMPLARY DAMAGES. THE FOREGOING LIMITATIONS OF LIABIITY WILL BE EFFECTIVE WITHOUT REGARD TO XYLEM'S ACTS OR OMISSIONS OR NEGLIGENCE OR STRICT LIABILITY IN PERFORMANCE OR NON-PERFORMANCE HEREUNDER.

IN NO EVENT WILL XYLEM BE RESPONSIBLE FOR ITEMS INCLUDING, BUT NOT LIMITED TO: TRAVEL EXPENSES, RENTED EQUIPMENT, OUTSIDE CONTRACTOR'S FEES, OR ANY EXPENSES ASSOCIATED WITH A FLYGT PRODUCT REPAIR SHOP NOT AUTHORIZED BY XYLEM. REIMBURSEMENT COSTS FOR CRANES AND/OR ANY SPECIAL EQUIPMENT USED IN CONJUNCTION FOR THE REMOVAL AND/OR REINSTALLATION OF ANY FLYGT EQUIPMENT IS NOT COVERED UNDER THIS WARRANTY.

ANY UNAUTHORIZED ALTERATIONS TO XYLEM SUPPLIED PRODUCTS, OR XYLEM SUPPLIED PRODUCTS THAT UTILIZE NON-FLYGT BRAND CABLE OR CONTROLS WILL NOT BE COVERED UNDER THIS WARRANTY UNLESS PRIOR WRITTEN APPROVAL IS PROVIDED BY XYLEM.

REQUIREMENTS:

STORAGE:
Should a delay occur between the shipment date and the date of start-up, maintenance as outlined in the Installation, Operation and Maintenance (IOM) Manual for each FLYGT Product must be performed by the "CONTRACTOR" and/or "OWNER" during any such period of storage. Documentation providing proof and outlining what maintenance was performed must be provided to Xylem or its representative within thirty (30) days of said maintenance, or the Xylem Warranty for the Products may be considered void.

CONTROLS:

Warranty coverage for permanently installed controls provided by Xylem will start on the date of shipment. This Warranty does not apply to controls that have been damaged due to a defective and/or improper input power supply, improper electrical protection, accidental damage, improper or unauthorized installation and/or repair, unauthorized alteration, negligence, environmental corrosion or chemical attack, improper maintenance or storage of control, any act of God, an act of war, an act of terrorism, vandalism, or damage resulting from the use of accessory equipment not approved in writing by Xylem. If adjustments are made by Xylem or Xylem authorized repair personnel without prior Xylem permission, this warranty will be null and void.

A copy of Electrical System Schematics of the Controls to be used (including the Control's Bill of Material) may be required to support a Warranty Claim when non-Xylem supplied Controls are used. In addition, a written record ("Log"), will be associated with each unit serial number and must be maintained by the organization having Product maintenance responsibility. The Log must record each preventative maintenance activity and any repair activity during the life of the Warranty or verification that a Xylem authorized Service Contract for the Products is in force and effect. The Log must be available for review and/or auditing upon request. Failure to meet these conditions may render this Warranty null and void. Such Logs may be required to determine warranty coverage.

Solid state devices will be covered for a period of one (1) year from date of shipment. Electrical control panels containing controllers, PLC's, drives, soft starts, and other computerized equipment will require Transient Voltage Surge Suppression (TVSS) protection in order to satisfy the requirements of this Warranty. The protection equipment associated with the control must be kept in working condition during the life of the Warranty. Auxiliary equipment supplied with the control (air-conditioners etc.) is limited by the respective original equipment manufacturer's warranty offered. Consumable items such as: light bulbs, fuses, and relays are covered under normal operating conditions. Electrical surges experienced during startups and/or during normal operating use of the control panel will void this warranty. Components not supplied by Xylem will not be covered by this warranty.

TOP (The Optimum Pump Station)

Xylem will warrant the FLYGT TOP pre-engineered fiberglass pump station components against defects in material and workmanship for a period of one (1) year from date of start-up or eighteen (18) months from date of shipment, whichever occurs first, and is valid only to the original owner of the station. This Warranty will cover the cost of labor and materials required to correct any warrantable defect, excluding any removal and reinstallation costs. Incoming freight from Purchaser will be shipped DAP prepaid to the designated Xylem location in accordance with Incoterms 2020. Return freight out will be shipped DAP prepaid to Purchaser in accordance with Incoterms 2020.

FLYGT Products contained within a TOP pre-engineered fiberglass pump station will carry the standard Xylem warranty for FLYGT Products and/or accessories installed in the TOP pre-engineered fiberglass pump station.

All FLYGT Product restrictions and/or limitations as outlined and described within the context of this Warranty are applicable to all sections of this Xylem Warranty document.

WARRANTY

Xylem Water Solutions USA, Inc

ADDENDUM A - Warranty Coverage by Product

PRODUCT	PRODUCT SERIES AND CONFIGURATION	WARRANTY COVERAGE (Months)								
		1-12	13-18	19-24	25-30	31-36	37-39	40-45	46-60	61-120
Axial Flow / Mixed Flow / Centrifugal Pumps & Mixers	3000 Series (CP, NP, DP, CT, NT, CZ, NZ, LL) 4000 Series (SR, PP)(Excluding Dirigo products) 7000 Series (PL)	100%		50%				25%		
Dirigo Products	Bibo Alpha (2960) Adaptive Mixers 4220, 4230 and 4320 Concertor 6000 Series (N, DP, iPS, XPC)	100%				50%			25%	
ETO Electrical Control Panels	Engineered to Order, Xylem Manufactured Control Panels (permanently installed) - 3 Years	100%	LIMITED 100%							
Grinder Pumps	3000 Series (MP, MF, MH)	100% (From Ship Date)			100% (from manufacture date)					
Abrasion/Corrosion Resistant & Chopper Pumps	3000 Series (FP, FS, FT, HP, HS) 5000 Series (HP, HS) 8000.280Series (DP, DZ, DT, DS, DF)	100%								
Centrifugal Pumps	1300 Series	100%								
Dewatering Pumps	2000 Series (BS, KS) 3000 Series (CS, NS, DS) 8000.280 Series (DS, DF)	100% (From Ship Date)								
TOPS	Fiberglass Pump Station	100% (From Ship Date)								
Accessories	Permanent / Portable	100% (From Ship Date)								
Hydroejectors/Aerators	HE, JA	100%								
Portable Pump Controls TOPS Control Panels	Control Boxes (Nolta,MSHA etc.) TOPS controlpanels (permanently installed)	100% (From Ship Date)								
Small Pumps	3045, 3057,SX	100% (From Ship Date)								
Parts	All new Flygt parts (mechanical& electrical)	100% (From Ship Date)	**NOTE:** Flygt parts that fail where used in a repair are warranted for one (1) year from the date of the repair for the failed **part only – no labor**; This Includes Flygt pumpcontrollers, Flygt supervision equipment, Flygt submersible level transducers, etc. **NOTE 2**: Flygt spare parts shipped separately and not installed by Xylem or an authorized channel partner are warranted for thirty (30) days from date of shipment.							
Monitoring & Control	Multismart Pump Station Manager and Operating System	100 (From Ship Date)								
	Flygt Probes (excluding the DuoProbe)	100 (From Ship Date)								
	All other Xylem M&C Products	100% (From Ship Date)								

Xylem Water Solutions USA, Inc.
Flygt Products
11161 Harrel Street
Mira Loma, CA 91752
Tel: (951) 332-3669
Fax:(951) 332-3679

Contact Information:

Design and Technical Information
Carlos Miranda- Application Engineer
Carlos.Miranda@xylem.com
(951) 269-9189

Engineered Sales and Aftermarket
Ricardo Guanio – Direct Sales Representative
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(562) 382-3930

Customer Support
Adriana Livingston – Customer Service Rep
Adriana.Livingston@xylem.com
(951) 332-3669

Questions Involving Servicing Pumps – Spares
Xylem Water Solutions USA, Inc. – Flygt Products – Los Angeles Branch
11161 Harrel Street, Suite B
Mira Loma, CA 91752
(951) 332-3702 – Phone, C: (951) 790-7687 (951) 332-3679 – Fax
Matthew Wisnieski- Service Center Specialist
Matthew.Wisniewski@xylem.com

Xylem Water Solutions USA, Inc
Flygt Products

11161 Harrel St.
Mira Loma, CA 91752 Tel
951-790-3398
Fax 951-332-3679
ricardo.guanio@xylem.com

July 30, 2025

Attn: Mr. Pete Doplito, Maintenance Scheduler Planner
Orange County Water District
Field Headquarters
4060 East La Palma Ave, Anaheim, CA 92807
Office: (714) 378-8274

Subject: Factory Authorized Municipal Representative for Flygt, Flygt/AC Products & Service in Southern California

Dear Mr. Doplito ,

This letter is to inform you that:

Xylem Water Solutions USA, Inc. - Flygt Products 11161
Harrel St
Mira Loma, CA 91752 Phone
(951) 332-3669
Fax: (951) 332-3679

Is the exclusive supplier of Flygt Pumps, Mixers, Parts & Service for the Municipal market in the State of California for all southern counties including Ventura, Santa Barbara, Kern, San Luis Obispo, Los Angeles, San Bernardino, Orange, Riverside, San Diego and Imperial.

Flygt is a fully owned Xylem Inc. brand.

Dealing directly with Xylem Water Solutions USA, Inc. provides you access to the expertise and knowledge, around the clock emergency field service, genuine Flygt parts, routine maintenance, monitoring services and much more.

Thank you for your interest in Flygt Products.

Sincerely,

Paul Forsthoefel
Western Regional Sales Manager

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: D. Mark/R. Bouley

Budgeted: No
Budgeted Amount: $0
Cost Estimate: $14,600
Funding Source: CIP
Program/Line Item No.: C25002
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: AMENDMENT TO AGREEMENT WITH BESST, INC. TO PREPARE A WORK PLAN AND TECHNICAL SPECIFICATIONS FOR ADDITIONAL TESTING AT BUENA PARK'S LINDEN WELL TO REDUCE PFAS CONCENTRATIONS

SUMMARY

Depth-specific flow and water quality sampling indicate it may be feasible to isolate specific screened intervals in the City of Buena Park (City) Linden Well to reduce PFAS concentrations and avoid the cost of constructing a treatment system. Staff recommends issuing an amendment to the services agreement with BESST, Inc. (BESST) in the amount of $14,600 to prepare a work plan and technical specifications to conduct additional testing of the Linden well using inflatable packers to seal off specific screened intervals to reduce PFAS concentrations.

Attachment: Cost quotation dated July 11, 2025, from BESST.

RECOMMENDATION

Agendize for August 20 Board meeting: Authorize issuance of an amendment to the service agreement with BESST, Inc. for an amount not to exceed $14,600 to prepare a work plan and technical specifications to conduct packer feasibility testing at Buena Park's Linden Well to reduce PFAS concentrations.

BACKGROUND/ANALYSIS

To evaluate the potential for isolating specific screened intervals in Buena Park's Linden Well (BP-LIND) to reduce PFAS concentrations below federal Maximum Contaminant Levels (MCLs) for drinking water and avoid the cost of constructing a treatment system, depth-specific flow profiling and water quality sampling were conducted in April 2025 by BESST under a services agreement with OCWD. Results of that testing indicate that most of the PFAS enter BP-LIND from three or four screened intervals. BP-LIND has nine screened intervals. If the screened intervals contributing most of the PFAS are blocked off, the well can still produce enough water to meet City's supply needs, and wellhead concentrations of PFAS are reduced below MCLs, then a PFAS treatment plant may not be needed.

To verify the feasibility of blocking off those screened intervals to reduce PFAS concentrations below MCLs, staff recommends conducting additional testing using inflatable packers. This involves removing the well pump, installing two inflatable packers with a flow-through pipe to isolate screened intervals between the packers, reinstalling the pump, then operating the well for several days to measure possible loss in production and sample for PFAS. For BP-LIND, two tests are proposed, initially with three screened intervals isolated, then, if needed, a second test with a fourth screened interval isolated. The second test requires removal of the pump and packer assembly, then reinstalling after modifying the packer spacing. The second test will only be conducted if the first test is unsuccessful. Staff anticipates the first packer installation and test will cost approximately $220,000. If required, the second packer installation and test will cost an additional $50,000 – a total of $270,000. Once the packer installation is complete and the test shows favorable results, they will become a permanent fixture in the well. This would replace Ion Exchange treatment at this well. This would allow Buena Park to continue pumping groundwater much sooner than if treatment was installed and would save OCWD up to $8 million plus ongoing annual O&M costs.

OCWD and City staff have discussed conducting the packer testing, and City staff are fully supportive.

The packer installation and testing will be conducted by a pump contractor hired under a competitively bid public works contract. This is specialized work, and staff recommends using BESST to prepare a detailed work plan and technical specifications that will be incorporated into an OCWD contract for the packer testing. At staff's request, BESST submitted a scope of work and cost proposal for $14,600 to provide this technical support (attached).

Staff recommends amending the services agreement with BESST in the amount of $14,600. The original agreement with BESST for the depth-specific flow profiling and water quality sampling has an authorized budget of $40,700. With the $14,600 amendment, the total authorized budget for BESST would be $55,300.

PRIOR RELEVANT BOARD ACTION(S)

2/19/25, R25-2-13: Authorize Agreement with BESST, Inc. for depth-specific flow and water quality survey at Buena Park's Linden well

Quotation For: Orange County Water District and City of Buena Park - Lind Well Packer Feasibility Test Support

Quotation Date:	11-Jul-25
Prepared by:	Miles Koehler | Project Manager and Hydrogeologist
CLIENT INFORMATION	
Client Name:	Dave Mark, Principal Hydrogeologist
Client Organization:	Orange County Water District
Street Address:	18700 Ward St.
City and State:	Fountain Valley, CA 92708
Phone:	(714) 378-3337
email:	dmark@ocwd.com

BESST INC.
GLOBAL SUBSURFACE TECHNOLOGIES

Payment Terms: Net 30
Quotation Valid for 90 Days
50 Tiburon, Suite 7 San Rafael, CA 94901
Office: 415.453.2501 / cell: 415.302.7354
LEmmens@besst-inc.com

Item	WELL MODIFICATION SERVICES	Quantity	Unit	Price	Total
TASK 1 - PLANNING					
Planning	Phone calls and meetings to discuss project details and specifications	1	Project	$ 1,500.00	$ 1,500.00
Technical Specs	Create document outlining the bid specifications needed to contract out packer installation work with a pump service company	1	Project	$ 7,500.00	$ 7,500.00
Work Plan	Detailed description of work to be performed on site with QAQC and testing procedures	1	workplan	$ 5,600.00	$ 5,600.00
	Subtotal #1				**$ 14,600.00**
TOTAL:					**$ 14,600.00**

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

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

Budgeted: Yes
Budgeted Amount: $300,000
Cost Estimate: $331,342
Funding Source: R&R
Program/Line Item No.: R24009
General Counsel Approval: N/A
Engineers Report: N/A
CEQA Compliance: N/A

Subject: EMERGENCY REPAIR WORK ORDER RATIFICATION AND BUDGET INCREASE

SUMMARY

The District annually establishes an emergency repair budget to facilitate a rapid response to periodic infrastructure failures and repairs. This budget item is funded from the District's Replacement and Refurbishment (R&R) reserves. Staff requests to ratify the remaining emergency repair costs from Fiscal Year 2024-25 (FY 24-25).

RECOMMENDATION

Agendize for August 20 Board meeting:

1. Ratify Work Order Nos. 11 and 12 of Agreement No. 1451 and payment to W.A. Rasic, Inc. for emergency repairs totaling $130,150;
2. Ratify Work Order No. 10 of Agreement No. 1452 and payment to T.E. Roberts, Inc. for emergency repairs totaling $69,928;
3. Ratify payment to the City of Newport Beach in the amount of $6,561; and
4. Increase the project budget allocation by $31,342, for a total of $331,342 to close out FY 24-25 emergency repair work orders.

BACKGROUND/ANALYSIS

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

Staff was notified by the City of Fountain Valley about a traffic collision on Ellis Avenue which damaged the vault and the vertical vent pipes of injection well I-3. A District

emergency contractor mobilized to the well site to assess the damage and provide a scope of work for repairs. In addition to this well site, staff identified two other damaged vault hatches which posed safety concerns; the injection well I-8 hatch located in the number two travel lane on Ellis Ave. and a communication vault hatch located within the GWRS plant. All three damaged hatches were replaced under this work order. Total contractor invoicing for these repairs amounted to $76,451.

In January 2025, water production staff discovered a leak in the sodium hypochlorite line feeding into the GAP clearwell. A District emergency contractor was notified and mobilized to the site. The contractor excavated and removed the damaged feed line. Approximately 450-feet of new feed tubing was installed. Total contractor invoicing for these repairs amounted to $69,929.

In April 2025, staff discovered a substantial pipeline leak in the parking lot north of the guard shack. Water production staff detoured inbound traffic and was able to isolate the leak. Staff determined that the pipeline from the reverse osmosis plant to the microfiltration galleries had ruptured. Water from this pipeline is used to backwash the MF membranes. In order to minimize the impacts to the GWRS AWTF, a District emergency contractor immediately mobilized to the site and worked over the weekend to perform the necessary repairs. Total contractor invoicing for this repair amounted to $53,698.

In addition to the above-mentioned emergency work orders, The City of Newport Beach managed a construction project on Bristol Avenue which required the District to adjust existing GAP valve boxes to the new grade. District and City staff determined that it was more cost effective to have the City contractor perform the work since they were already mobilized to the project site. The District agreed to reimburse the City for the cost to adjust the valve boxes. Total City invoicing for this work amounted to $6,561.

Table 1: FY 2024-25 Emergency Repair Budget Summary

Description	Budget
Ratified Work Orders (November 20, 2024 and March 19, 2025 Board Meetings)	$ 124,701
Final Work Orders FY 2024-25	
Vault Repairs – October 2024	$ 76,451
W.A. Rasic W.O.11	
SHC Line Repair – January 2025	$ 69,929
T.E Roberts W.O. 10	
RO Permeate Pipe Repair – April 2025	$ 53,698
W.A. Rasic W.O.12	
City of Newport Beach Reimbursement	$ 6,561
Total Budget	$ 331,342

Staff recommends ratification of Work Orders and payments to W.A. Rasic, T.E. Roberts, and the City of Newport Beach and increasing the FY 24-25 emergency repair budget allocation by $31,342 for a total of $331,342 to be funded by the R&R reserve as authorized by the General Manager.

PRIOR RELEVANT BOARD ACTION(S)

03/19/25; R25-3-35: Emergency Repair Work Order Ratifications

11/20/24; R24-11-140: Emergency Repair Work Order Ratifications

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

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: M. Patel

Budgeted: Yes
Budget Amount: $125,000
Cost Estimate: $125,000
Funding Source: General Fund
Program/Line Item No.: 1050.53001
General Counsel Approval: Yes
CEQA Compliance: N/A
Engineers/Feasibility Report: N/A

Subject: AGREEMENT TO BROWN AND CALDWELL INC. FOR TECHNICAL SUPPORT ON THE GWRS MICROFILTRATION AND REVERSE OSMOSIS OPERATIONS (MF/RO)

SUMMARY

Staff recommends entering into an Agreement with Brown and Caldwell for support of the operation of the GWRS microfiltration (MF) and reverse osmosis (RO) operations. SPI specializes in MF and RO membrane facility design, operator training, and technical process consulting.

Attachment: SPI letter and proposal dated July 30, 2025

RECOMMENDATION

Agendize for August 20 Board meeting: Authorize issuance of Agreement to Brown and Caldwell Inc. for an amount not to exceed $125,000 to provide consulting services on a time and material bases for the GWRS MF and RO membrane processes through August 31, 2026.

BACKGROUND/ANALYSIS

Separation Processes Inc. (SPI) is a consulting firm with over 40 years of experience specializing in the application of membrane separation processes, such as microfiltration, ultrafiltration and reverse osmosis for water, seawater and wastewater treatment. SPI was recently bought on June 30, 2025 by the larger water and wastewater consulting company Brown and Caldwell. Brown and Caldwell was part of the original Groundwater Replenishment System design team along with CDM Smith and Tetra Tech. SPI and its founding owners have provided membrane consulting services for the OCWD since 1976, during the early days of the WF-21. Over the years, the professional association has proven to be valuable to the District and has contributed to the success of our membrane treatment technology evaluations and our full-scale investments at the GWRS. The value of an ongoing relationship with the former SPI, now part of Brown and Caldwell, over the next year will be focused on the effect of the new GWRS feedwater quality as result of now taking on Orange County

Sanitation District (OC San) Plant Number 2 flows. Those flows are higher in salinity and organics which will require an adjustment to historical operational parameters. SPI also provides outside industry perspective on the use of various antiscalant chemicals, membrane cleaning chemicals and operational experience at other large scale plants using membrane technology. SPI assistance will continue to be used to help generate data formats and reports to allow OCWD to be in compliance with new Division of Drinking Water (DDW) Groundwater Recharge Reuse Project (GRRP) regulations for monthly reporting on plant performance to show log virus removal credits.

The scope of work will include reporting operational results and through discussion with staff, evaluate MF and RO performance on a bimonthly basis or as requested by District staff. This will be especially critical in the upcoming year to continue to evaluate the effect on operational parameters resulting from the new feed water quality from the OC San due to the ongoing inclusion of secondary effluent from their Plant Number 2 facility. This includes evaluating the long term life and replacement interval of the new polyvinylidene fluoride (PVDF) ultrafiltration membranes installed as part of the GWRS Final Expansion. Other critical services include specialized training of membrane process for operators, working with staff to review ongoing efforts to evaluate new antiscalant chemicals, and other procedures intended to extend the life of membranes while also improving their rates of production.

Brown and Cadwell is uniquely qualified to provide these specialized consulting services. Their staff brings a wide range of knowledge and experience gained through their consulting work at many other membrane treatment facilities. Over the years this knowledge has proven to be beneficial in helping the District evaluate and stay on top of a number of MF and RO membrane issues. In addition, their scope of work provides for staff training and independent review of various R&D efforts when required.

The contract will be managed on a time and material basis with a not-to-exceed total. This format allows staff to control spending throughout the year and to make sure that all efforts are focused on the District's most urgent needs. Staff will continue to evaluate the scope and need for these services and depending on the workload of staff bring more of this work in-house where appropriate. Staff has budgeted $125,000 for these services, which is equivalent to that budgeted last fiscal year with no increase in overall fee.

PRIOR RELEVANT BOARD ACTIONS

8/20/14, R14-8-113 - Authorize issuance of Professional Service Agreement to Separation Processes Inc. for an amount not to exceed $75,000 to provide consulting service on a time and material bases for the GWRS MF/RO membrane processes through August 31, 2015.

7/24/13, R13-7-89 - Authorize issuance of Agreement to Separation Processes Inc. for an amount not to exceed $75,000 to provide consulting service on a time and material bases for the GWRS Microfiltration and Reverse Osmosis membrane processes through August 31, 2014.

8/15/12, R12-8-100 - Authorize execution of Agreement with Separation Processes Inc. for an amount not to exceed $80,000 for consulting services for the GWRS MF/RO membrane separation processes on a time and material bases through August 31, 2013.

9/21/11, R11-9-133 - Authorize issuance of Professional Services Agreement to Separation Processes Inc. for an amount not to exceed $80,000 to provide consulting services on a time and material basis for the GWR System MF/RO membrane processes through August 31, 2012.

8/18/10, R10-8-129 - Authorize issuance of Professional Services Agreement to Separation Processes Inc. for an amount not to exceed $80,000 to provide consulting services on a time and material basis for the GWR System MF/RO membrane processes through June 30, 2011.

7/15/09, R09-7-122 - Authorize issuance of Professional Services Agreement to Separation Processes Inc. for an amount not to exceed $130,000 to provide consulting services on a time and material basis for the GWR System MF/RO membrane processes through June 30, 2010.

July 30, 2025

Confidential

Mr. Mehul Patel, P.E.
Executive Director of Operations/GWRS
Orange County Water District
18700 Ward Ave.
Fountain Valley, CA 92708

Subject: Operational Support Services Proposal for OCWD 2025-2026

Dear Mr. Patel:

As you know, Separation Processes, Inc. (SPI) was recently acquired by Brown and Caldwell (BC). We look forward to continuing our long-standing relationship with the Orange County Water District (OCWD). As we transition, I assure you that the individuals and staff that have performed the prior work will remain the same. As part of Brown and Caldwell, OCWD will have additional access to experienced professionals that can further assist the District.

Brown and Caldwell is pleased to submit this proposal for engineering and consulting services supporting the operation of the GWRS facilities operated by the OCWD. SPI proposes to provide services for an amount not to exceed $125,000 for the 2025-2026 year. The proposed services include performance monitoring and reporting, technical assistance, compliance and regulatory assistance, training and other additional services, as described in the attached information.

We were quite pleased with the accomplishments that were implemented over the past year for OCWD. Last year we expanded and enhanced the data management features of Power BI to include normalized operating pressure, on-line ability to review of CIP information, conductivity profiles and calculations to the data set.

Perhaps most importantly we developed a predictive tool that allows operators to identify when a Clean-In Place will be required. We believe that this will help your operations staff with cleaning of the RO units.

We will also continue supporting OCWD in monitoring its operations, assisting with investigations, and its piloting and R&D efforts as required. SPI will continue to provide support for your RO Membrane Qualification/Procurement and Pilot testing for Threshold Inhibitor/Acid optimization after the completion of the final expansion project.

Should this proposal result in a contract, Brown and Caldwell would invoice monthly for actual services provided and expenses incurred. It is hoped that this proposal is of interest and we are able to continue our involvement with the OCWD's award-winning GWRS facility.

If you should have any questions, please do not hesitate to contact me.

Very Truly Yours

Brown and Caldwell

James C. Vickers, P.E.
San Diego, CA

Attachments (1)

1. Operations Support Proposal 2025-2026

Brown AND Caldwell

Proposal | Prepared for
Orange County Water District July 28, 2025

Operations Support Services 2025-2026

Brown AND Caldwell

18500 Von Karman Avenue, Suite 800,
Irvine, CA 92612 USA
T 714.730.7600

Executive Summary

Separation Processes, Inc. (SPI) is pleased to announce that it has become part of Brown and Caldwell. As you are aware, SPI has had a long history of supporting OCWD's MF and RO facilities and the staff that OCWD has come to rely upon will not change. In fact, OCWD will likely have greater access to individuals familiar with the GWRS that understand the areas outside of MF and RO. Brown and Caldwell's breadth of understanding includes microfiltration/ultrafiltration (MF/UF), reverse osmosis (RO), and ultraviolet advanced oxidation (UV/AOP) processes for treatment of wastewater effluent.

We suggest that over the past year a number of goals were successfully achieved. The use of the Power BI platform as a data management tool continues to reveal its capabilities of handling the extensive quantity of data that is generated by the GWRS. Over the past year, we have expanded the data trending to include normalized operating pressure, incorporated on-line ability to review of CIP information, added conductivity profiles and calculations to the data set, and most importantly developed a predictive tool that allows operators to identify when a Clean-In Place will be required. This is something that should help OCWD operations staff with ordering chemicals and scheduling operators for the cleaning activities.

Our immediate focus is to achieve one more goal: the ability to automate the updating of information to provide daily updates to OCWD operations. This near real-time update strategy was suggested by our staff and can be implemented, thus in the future bi-weekly updates will become daily updates with bi-weekly reviews.

The operational monitoring of the GWRS system is truly state of the art, and it is appropriate to acknowledge the insight of prior staff and current staff in configuring and maintaining the data in a way that facilitated this conversion.

About Us

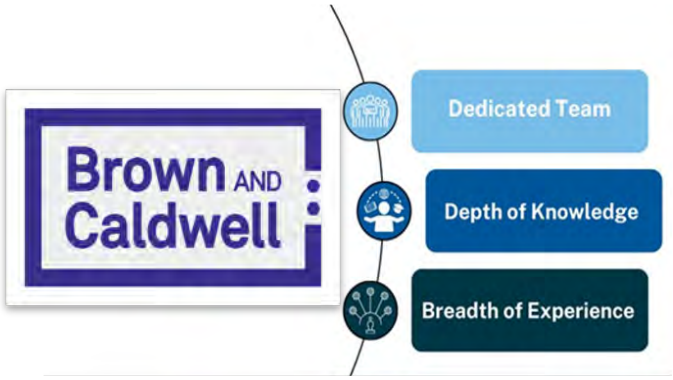
As SPI transitions to Brown and Caldwell, staff familiar with OCWD's operations support will remain but be augmented by the extensive offerings provided by the staff at Brown and Caldwell. Like SPI, Brown and Caldwell's engineering services span the entire life of a project, including planning, pilot testing, design, construction, permitting and full-scale operations support. Brown and Caldwell has developed an intimate knowledge of membrane processes through the coupling of our membrane support and design services. The result is a feedback loop that continuously improves both our system designs as well as support offered to our clients operating membrane facilities.

Brown and Caldwell has a reputation for offering the highest quality services and technical support throughout the life of a project from conceptual planning, through design, construction, and full-scale support of the operation.

Brown and Caldwell (BC) is among the most stable firms in the business with more than 75 years of continuous employee ownership. We are one of the largest environmentally focused firms and a leader in adapting state-of-the-art approaches to safeguard drinking water, maintain sanitary systems, improve vital infrastructure, and restore habitats to keep our communities thriving. We offer full-service engineering, construction services, program management, science, and research services. **Our bottom line is the success of our clients**

SPI is bringing Membrane Support Services to Brown and Caldwell. With the support of BC's extensive staff of engineers, the Membrane Support Services will not only help OCWD staff understand your specific membrane treatment process and identify events and occurrences that could adversely affect the performance of their facility, but now we can provide an entire engineering firm dedicated to water to answer the many needs of OCWD beyond membranes. We assist plant operators and management in reducing plant O&M costs through optimization of the treatment processes. Time and time again, these services have proven to be invaluable to our clients, ensuring process integrity, reliability and efficiency for their membrane plants.

Qualifications



Operations support is a key element of our business. We have assembled a Dedicated Team with an outstanding Depth of Knowledge and an unparalleled Breadth of Experience to support the Orange County Water District staff in any endeavor related to its membrane operations. Our employees are also well represented within the Southwest Membrane Operators Association (SWMOA), extending our reach further in terms of accessing relevant performance from similar facilities.

Many utilities refer to Membrane Support Services as an extension of staff and ask us to help them with ongoing membrane and process related issues. Sometimes these issues are not membrane related, as they involve equipment and controls that need to be configured and properly operated to assure optimum membrane performance. As an independent consultant, we offer input based upon our experience and observations at yours as well as other facilities.

Brown and Caldwell's purpose is to make a positive impact on our people, our clients, our communities, and the environment. To achieve that, we foster a culture where top talent can do their best work, focusing on connection and collaboration, value through innovation, and always people first. Promoting a balanced workforce where all BCers feel included is fundamental to our identity and aligns with our purpose and values. Our shared commitment unites us, while our diverse backgrounds enrich the company and create a culture of balance and belonging for everyone.

Providing Operations Support to OCWD since 1980

40
DISTINCT FACILITY
UNRIVALED INDUSTRY EXPERIENCE
The breadth of understanding for membrane treatment technologies

Over 500 MGD Capacity
UNRIVALED MEMBRANE TECHNOLOGY EXPERIENCE
Supporting more than 500 mgd of membrane treatment technologies

Scope of Work

Brown and Caldwell understands OCWD's expectations and goals for Membrane Support Services because we've been providing these services to the District (as SPI) for over 40 years and are familiar with past and existing issues associated with the GWRS. We are also well aware of issues experienced at other membrane facilities treating municipal effluents. Our approach to OCWD's operational support services is simple – focus the resources of this contract to ensure stable membrane performance and identify opportunities for optimization. Optimization can take many forms, from equipment and technical issues, management of information, compliance with changing regulatory environment, or other issues that may arise. Within the proposed scope of work, we have identified several tasks which are of interest to OCWD in confirming the performance of your membrane systems. Based on our detailed understanding of OCWD's current operations, we have allotted hours for tasks that are likely to be requested or required during the contract period.

Performance Modeling

Overall Data Management Philosophy

OCWD operates the GWRS – the world's largest Advanced Water treatment facility, with 48 MF/UF cells and 27 RO units in operation, the amount of data that is generated, stored, analyzed, and reviewed is "significant", although massive may be a more appropriate term. We have worked on continuously improving the data presentation recognizing OCWD's security requirements to assure that the integrity of the data is maintained. We also serve as the off-site repository for archived data associated with the operation of the facility.

We are continuously reevaluating and adopting new approaches as the technology and tools change. Brown and Caldwell also has capabilities in the integration of facilities in different areas. For the next year, our goal is to further improve the content for the data, and to engage additional resources to improve our approach for the GWRS system. The availability of data visualization software and/or internet/cloud-based connectivity has advanced to the extent that we believe that it is appropriate to take advantage of the new tools that have become available.

It is our intention to further develop the approach to document and trend by individual vessel the conductivity profiling data that was automated this year. We believe that we have the tools to do so, but this will have to be a collaborate effort to implement with operations.

We recognize that this will be a significant effort, but our goal is to keep OCWD current with the latest data management and visualization tools, and to provide additional functionality required.

We also believe that data management requires a proactive approach to scheduled reviews. We implemented a more structured periodic bi-weekly review of the operational data, and we will continue with quarterly review meetings with staff, as we believe that those meetings are beneficial. SPI will continue to discuss current status, observed trends, recommended actions, and will provide a corresponding technical memo documenting any issues that have been observed and discussed.

Technical Assistance to Operations

Brown and Caldwell is proposing to provide technical assistance to the operating staff regarding operations and maintenance of the MF/UF and RO process equipment.

Typical activities under this task would be on an on-call basis, and could include:

- Troubleshooting deviations from expected performance
- Responding to questions from the operations staff
- Supplement and clarify operating procedures for specific conditions and situations.
- Preparation or review of membrane chemical and equipment replacement specifications
- Engineering improvement to existing facilities
- Assistance with maintenance issues
- Evaluation of cost considerations associated with RO membranes

Training Services

Brown and Caldwell will continue to provide training to the operations staff. We also recognize that there have been changes in staffing, and can provide site specific training focused on the GWRS system and the items of importance to operations. Last year we prepared and delivered the basic training seminar for your staff.

It has been our observation that for many of your staff, their understanding of the GWRS system no longer falls within the realm of basic training services typically provided. Therefore, we propose that more advanced training of your staff will facilitate operations. The proposed training will be more focused upon optimizing operation and water quality issues and changes to the MF/UF and RO systems. We have an inventory of topics that can be presented.

The advanced workshop will consist of up to 8 contact hours of continuing education credits for the MF/UF and RO membrane processes. Sessions will be tailored to provide additional information and continuing instruction for experienced personnel.

Our training will be tailored to the needs of the OCWD staff using the GWRS facilities to address specific issues that are associated with your operations and new issues such as energy recovery and high recovery RO. Thus, we are able to refresh and introduce new concepts as part of the on-going effort.

Compliance and Regulatory Assistance

Based upon the demonstrated successful performance of the GWRS, the State of California has promulgated new regulations regarding the operation and reporting requirements that are associated with Indirect Potable Reuse (IPR) facilities. These issues will necessitate the development of compliance reports that are structured in a manner that is typically associated with the operation of drinking water facilities and represent a change in how operational data is used and presented for compliance purposes.

Jim Vickers was a primary author associated with the development of the Membrane Filtration Guidance Manual and has been integral to the development of regulatory approaches for the operation and reporting of membrane systems for compliance purposes. Along with OCWD, we recently participated in the development of WRF project 4958 and the strategies that we developed for determining RO integrity should provide valuable insight and confirmation of performance for the removal of regulated pathogens.

R&D Support Services

SPI's services will be made available for additional tasks that extend beyond normal operation of the membrane facility. These services may include assisting with studies related to the District's R&D Test facilities; where typical activities may include developing or reviewing test protocols, test data, and draft reports for membrane and chemical prequalification.

Team

Name/Role	Qualifications
Jim Vickers, P.E. MEMBRANES NATIONAL SPECIALTY LEADER	Jim has been actively involved in the advancement of membrane technology for drinking water and advanced water treatment and has been associated with the facility in various capacities since 1991 having installed the first successful microfilter at OCWD. Jim has been monitoring the GWRS system since 2014. Jim is well known to OCWD staff,. Jim is a Chemical Engineer with a Masters in Engineering Administration and is a registered PE in the State of California .
Gabriela Downey SENIOR ENGINEER	Gabriela has a Bachelor of Science in Environmental Engineering. As a Project Manager on the Membrane Support Services team, she provides engineering and technical support for a wide range of membrane applications. Gabi is also President of the Board of Directors for the Southwest Membrane Operators Association (SWMOA). She provides operations support services to some of our larger clients including the Water Replenishment District and West Basin Municipal Water District. With her wealth of knowledge, she will provide a vital asset to the District.
Jan Guenther, E.I.T. ENGINEER II	Jan is well known to the GWRS staff as he has assisted with the commissioning of the GWRSFE Project and has been integral in coordinating the transition of data management to Power BI. Jan is an Engineer with a Master of Science in the treatment and management of water resources specializing in membrane treatment. As part of the Membrane Support Services team at SPI, he provides engineering and technical support for MF, UF, NF, and RO applications.
Kyle Peebles, E.I.T ENGINEER I	Kyle Peebles is an Engineer for SPI with a Bachelor of Science in Civil Engineering. His responsibilities include data analysis and monitoring, performance reporting, troubleshooting, preparing training materials, and recommending optimization actions. He has evaluated and optimized the performance of full-scale microfiltration (MF) and reverse osmosis (RO) treatment plants for both wastewater and groundwater. Additionally, he has contributed to the planning and operation of membrane pilot studies for advanced wastewater treatment plants.

Proposed Staff Enhancement for OCWD

We are pleased to reaffirm our commitment to OCWD by continuing to provide our core team members from SPI – now representing the BC brand – who have been instrumental in supporting OCWD's operations. In addition to this continuity, we are proud to offer expanding staffing resources that can be strategically deployed to meet the OCWD's evolving needs

As part of our enhanced support, we propose the inclusion of two highly experienced professionals:

- **Adam Fetzger** – a subject matter expert on the UVAOP system, Adam is well equipped to assist with ongoing system concerns and improvements
- **Sandy Scott-Roberts** – Sandy played a critical role in the design and construction of OCWD's final facility expansion and brings invaluable insight into long-term infrastructure planning and implementation.
- **Fred Gerringer** – Fred is Brown and Caldwell's national leader in water reuse and a subject matter expert on the permitting of Advanced Water Treatment facilities such as the GWRS,

By integrating these seasoned professionals into the team, OCWD will benefit from a robust, versatile and highly capable workforce prepared to meet operational challenges and advance facility objectives with precision and reliability.

Fee Schedule

Brown and Caldwell proposes to provide its services based on an hourly rate for as needed tasks, with a not-to-exceed limit. The attached fee schedule provides an example fee estimate for typical Membrane Support Services provided. Brown and Caldwell's services will be billed at the following rates.

Principal	$310/hr.
Project Manager	$310/hr.
Senior Engineer	$185/hr.
Engineer II	$165/hr.
Engineer I	$145/hr.
CAD	$155/hr.

Travel Current IRS Rate
Pre-authorized expenses as incurred
Markup of other direct costs 8%

It is proposed that the above services will be provided for OCWD's fiscal year 2025/2026. Typically, Brown and Caldwell changes its billing rates on a calendar year basis (January 1). Brown and Caldwell proposes the above services for a total fee not to exceed $125,000, with a significant portion allocated to the proposed data visualization transition work. Should this proposal result in a contract, Brown and Caldwell would invoice monthly for actual services provided and expenses incurred. Payment of the invoice within 30 days would be appreciated. It is hoped that this proposal is of interest, and we are able to continue our support of the GWRS.

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Bouley/A. Waite

Budgeted: Yes
Budgeted Amount: $1,160,000
Cost Estimate: $1,160,000
Funding Source: CIP
Program/Line Item No.: C24011
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: AUTHORIZE ISSUANCE OF REQUEST FOR PROPOSALS FOR GRANULAR ACTIVATED CARBON PROCUREMENT, DELIVERY AND INSTALLATION AT THE FULLERTON MAIN PLANT

SUMMARY

The City of Fullerton's Main Plant PFAS treatment system – a granular activated carbon treatment process – is expanding to treat the facilities' remaining wells: Wells 7A, 5, 6 & 8. Staff recommends issuing a Request for Proposals for purchase of granular activated carbon media for the City of Fullerton Main Plant's PFAS treatment systems.

Attachment: Draft Request for Proposals for the Granular Activated Carbon, Procurement, Delivery and Installation at the Fullerton Main Plant

RECOMMENDATION

Agendize for August 20 Board meeting: Authorize Issuance of Request for Proposals for Granular Activated Carbon Procurement, Delivery and Installation at the Fullerton Main Plant.

BACKGROUND/ANALYSIS

The City of Fullerton's Main Plant existing PFAS treatment system was constructed in July 2024, which is currently treating only Well 3A. Granular Activated Carbon (GAC) was selected as the treatment process at the Main Plant to remove PFAS, primarily PFOA and PFOS, and trace concentrations of co-contaminant volatile organic compounds found in the wells located at the Main Plant. The treatment system is currently being expanded to treat the remaining wells on site: Wells 7A, 5, 6, & 8. The Main Plant location and location of the production wells is shown in Figure 1.

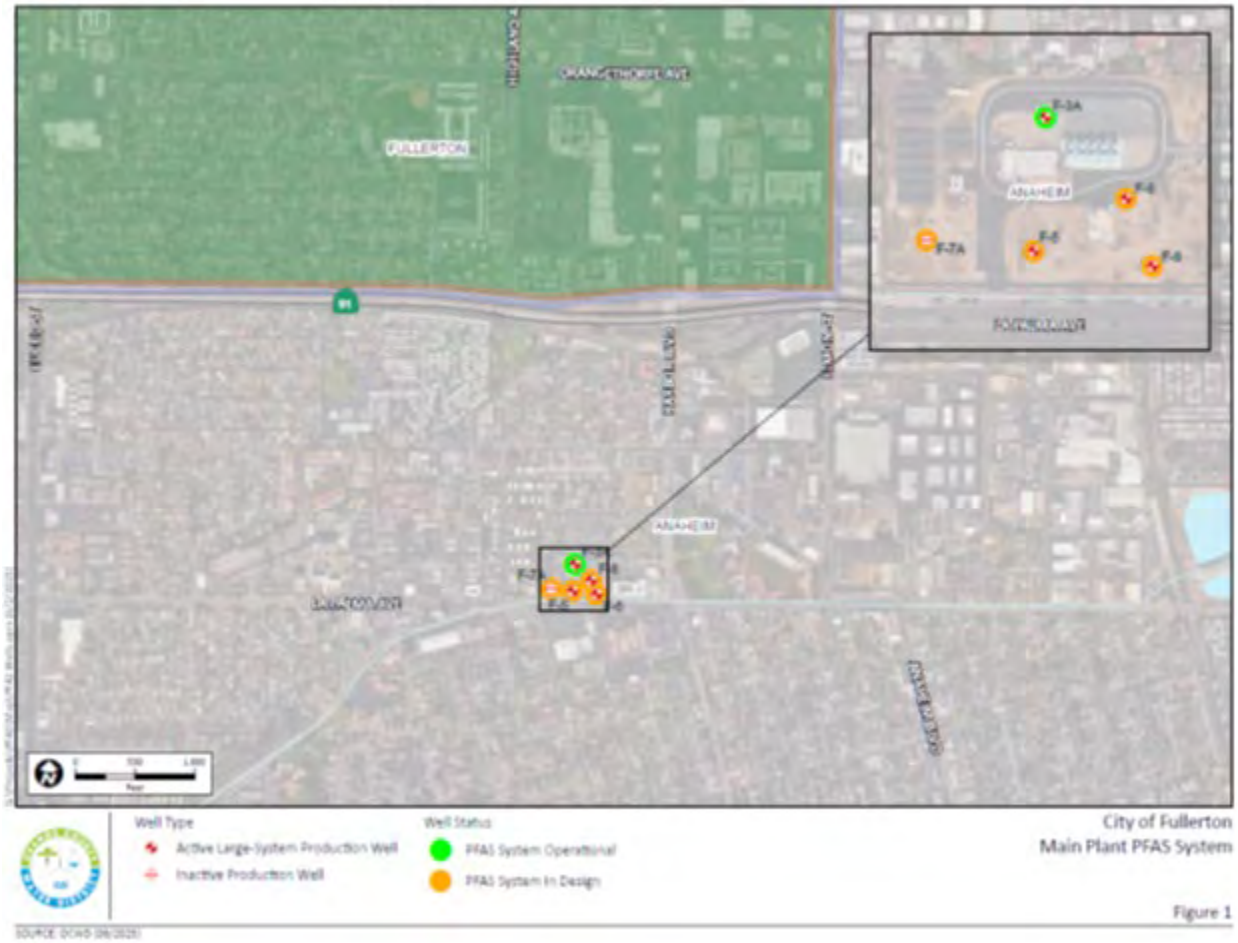


Figure 1: City of Fullerton Main Plant PFAS Well Treatment Site

PFAS treatment using GAC requires filling carbon steel pressure vessels with adsorptive GAC media. Treatment of Well 7A requires filling four currently idle pressure vessels originally constructed with the rest of the existing Main Plant. Pipeline connections to these vessels are being completed under a separate contract administered by the City of Fullerton. Treatment of Wells 5, 6 & 8 require filling eight new vessels to be constructed as part of the Fullerton Main Plant (Wells 5, 6 & 8) PFAS Treatment Plant Project, which is expected to begin construction in Winter 2025. Each vessel requires 40,000 pounds (lbs) of GAC media to meet a minimum empty bed contact time of 10 minutes as determined through pilot testing conducted by OCWD between December 2019 and January 2021. Of the GAC products tested by OCWD during the pilot testing period, three products lasted the longest before PFAS breakthrough: Calgon Filtrasorb 400, Evoqua UltraCarb 1240LD, and Evoqua AquaCarb.

To fill the existing four vessels and the planned new eight vessels (12 vessels total), 480,000 lbs of virgin GAC media is required. The procurement, transport, delivery, filling and preparation of the media will be conducted in two phases. Phase 1 will consist of loading the existing four empty vessels (160,000 lbs) for treatment of Well 7A by December 2025, and Phase 2 will consist of loading the new eight empty vessels (320,000 lbs) for treatment of Wells 5, 6 & 8 by Winter 2026. Acceptable GAC media for these vessels are the three products tested by OCWD with the longest bed life before PFAS breakthrough.

Staff recommends issuance of a Request for Proposals to procure GAC media for the expanded Fullerton Main Plant. The District will purchase GAC media and assign delivery and installation to the selected proposer. The estimated total price for procurement, delivery and installation of the GAC media is $1,160,000.

PRIOR RELEVANT BOARD ACTION(S)

6/18/25, R25-6-95: Authorize publication of Notice Inviting Bids for Contract No. FUL-2025-1, Fullerton Main Plant (Wells 5, 6 & 8) PFAS Water Treatment Plant Project, and authorize reimbursement for the City of Fullerton for constructing the Main Plant Well 7A PFAS Water Treatment Plant Project.

ORANGE COUNTY WATER DISTRICT

DRAFT
REQUEST FOR PROPOSALS
RFP-25-003

FOR
GRANULAR ACTIVATED CARBON MEDIA PROCUREMENT, DELIVERY AND INSTALLATION AT THE FULLERTON MAIN PLANT

ISSUED: August 21, 2025

PROPOSALS DUE:

Tuesday, September 23, 2025, at 10:00 AM PT

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The Orange County Water District ("OCWD" or District) is seeking proposals from qualified and experienced firms to provide 480,000 pounds (lbs) of granular activated carbon (GAC) to the City of Fullerton Main Plant PFAS treatment system. OCWD intends to evaluate the proposals received and enter into a Three-Year General Services Agreement ("Agreement") with the qualified firm. The work is expected to commence on November 1, 2025. This Agreement will be for a minimum term of three (3) years for the period from November 1, 2025, to October 31, 2027. The Agreement will be monitored closely for acceptable services rendered throughout the Agreement term. OCWD will have the option to terminate the contract in whole or in part during the Agreement term, for any reason or no reason, without penalty, upon notice. The proposer will not be entitled to lost profits or any other compensation not earned prior to the time of termination.

This Request for Proposal ("RFP") describes the required scope of services, the information that must be included in the proposal, and the proposal selection process. Proposers are encouraged to carefully review this RFP in its entirety prior to submitting their proposals. Failure to submit information in accordance with these requirements and procedures may be cause for disqualification.

1. INTRODUCTION

The OCWD is an internationally recognized leader in the water industry that was formed in 1933 by the California State Legislature which entrusted OCWD to guard and protect the region's groundwater basin and limited water supply. OCWD's mission is to provide a reliable supply of high-quality water that is sourced in an environmentally responsible manner to the more than 2.5 million residents and businesses within the 270 square mile service area of Orange County, California that OCWD serves. OCWD manages three of Southern California's greatest water supplies, this includes protecting rights to the Santa Ana River, managing and replenishing the Orange County Groundwater Basin, and operating and maintaining the Groundwater Replenishment System (GWRS), the world's largest advanced water purification system for potable water reuse. More information regarding the OCWD can be found at www.ocwd.com.

2. SOLICITATION SCHEDULE

The solicitation schedule is summarized in the table below. OCWD reserves the right to modify the schedule below at its discretion. Proper notification changes will be made to interested proposers.

RFP Issued	August 21, 2025
Optional Pre-Proposal Meeting	N/A
Questions Due Date	Tuesday, September 2, 2025, at 12:00 PM PT
Proposals Due	Tuesday, September 23, 2025, at 10:00 AM PT
Agreement Award Date:	October 2025

2.1. OPTIONAL PRE-PROPOSAL MEETING

There will be no mandatory pre-proposal meeting.

2.2. QUESTIONS CONCERNING REQUEST FOR PROPOSALS

All questions regarding the RFP must be submitted in writing before the deadline due date of **Tuesday, September 2, 2025, at 12:00 PM PT**. All questions must be titled "**Question – RFP-25-003 GAC Media for Fullerton Main Plant**". Responses to questions received from prospective proposers will be formally documented in a Question and Answer (Q&A) table that will be posted on the OCWD website: https://www.ocwd.com/working-with-us/rfp-contracts/. The Q&A table will be updated regularly as questions are received from prospective proposers. Questions received after the questions due date will not be considered.

Attention: Ashlie Valencia, Contracts Administrator
Email: procurement@ocwd.com

2.3. DEADLINE FOR PROPOSALS

Three (3) hard copies and one (1) electronic flash drive copy of the proposal must be received in a sealed envelope by OCWD no later than **Tuesday, September 23, 2025, at 10:00 AM PT** or such later time that OCWD may announce by an addendum at any time prior to the proposal deadline. The envelope shall be plainly marked on the exterior "Proposal for **RFP-25-003 GRANULAR ACTIVATED CARBON MEDIA PROCUREMENT, DELIVERY AND INSTALLATION AT THE FULLERTON MAIN PLANT**" and with the name, company name, and address of the proposer.

Proposals must be mailed or delivered in person or via courier services at the District office listed below. To deliver submittal packages in person or via courier, please notify the guard at the main gate for proposal drop off. Sealed envelopes will be timestamped upon receipt at the receptionist desk.

Orange County Water District
Administration Office Building
Attention: Ashlie Valencia, Contracts Administrator
Address: 18700 Ward Street
Fountain Valley, CA 92708

It is the Proposer's responsibility to ensure that proposals are received prior to the submittal deadline. Proposal packages should also include all signed Acknowledgment of Addendum forms that may be issued by OCWD as part of this RFP process, as further described below. Proposals received after the deadline will not be considered under any circumstances. FAXED OR E-MAILED SUBMISSIONS WILL NOT BE ACCEPTED. The OCWD will not be responsible for the proper identification and handling of any proposals submitted incorrectly. Only responses properly submitted to OCWD will be considered.

OCWD reserves the right to reject any and/or all responses received. There will be no formal opening of the proposals.

2.4. PRE-SUBMITTAL ACTIVITIES

The District reserves the right to revise the RFP prior to the date the Proposals are due. Addendums to the RFP shall be posted on the OCWD website: https://www.ocwd.com/working-with-us/rfp-contracts/ for all interested Proposers. The District reserves the right to extend the date by which the Proposals are due.

3. PROJECT BACKGROUND AND DESCRIPTION

In 2024, the City of Fullerton began operating the Fullerton Main Plant PFAS Water Treatment Plant, constructed by OCWD. The primary purpose of the treatment plant is to remove Per- and Polyfluoroalkyl Substances), more specifically perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS), from drinking water supplied via groundwater wells. The groundwater also contains trace concentrations of volatile organic compounds (i.e., trichloroethylene and tetrachloroethylene), thus unlike the other ion exchange treatment systems constructed by OCWD for other retail agencies in the Orange County groundwater basin, the City of Fullerton's Main Plant treatment plant consists of granular activated carbon (GAC) followed by free chlorination and distribution to the City's residents and businesses. The Main Plant is located at 628 W La Palma Ave, Anaheim, CA 92801 (shown in Figure *1*).

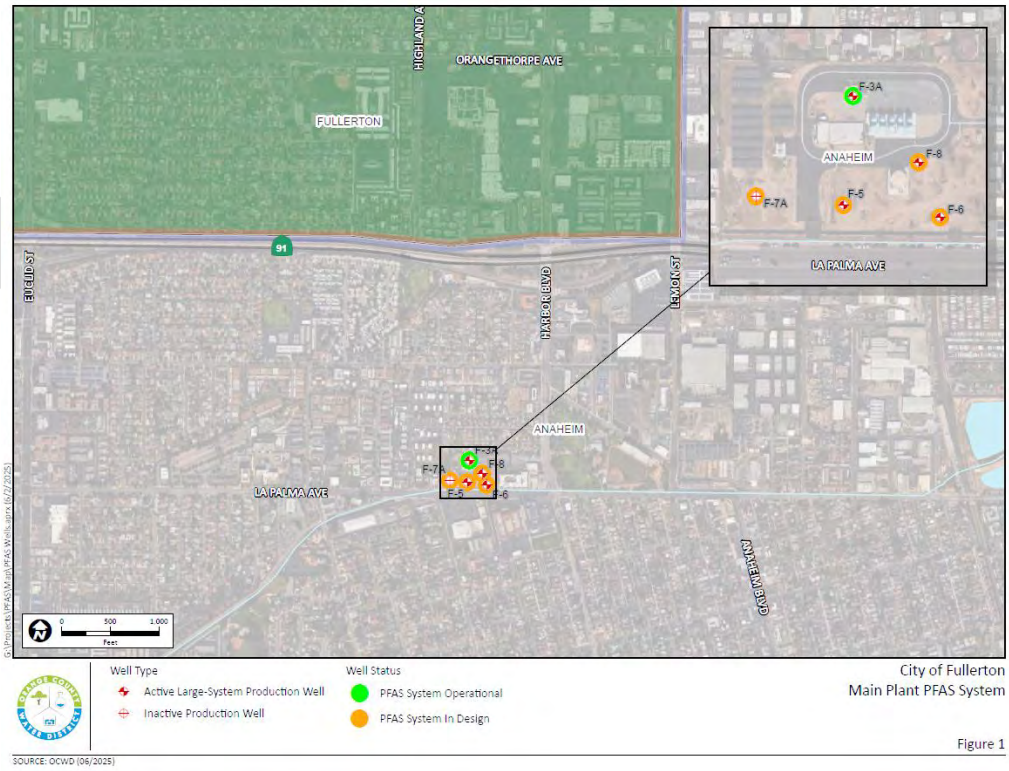

Figure 1. City of Fullerton Main Plant Location

Currently, raw groundwater from the City's Well 3A is treated through three GAC trains consisting of two pressure vessels operating in a lead-lag configuration, also known as the "North Plant". Each vessel contains 40,000 lbs of Calgon Filtrasorb 400 media, and each train operates at a 10-minute minimum empty bed contact time and maximum flow of 1,000 gallons per minute (gpm). Operations and maintenance manual for the GAC vessels are included in Exhibit A-2. The maximum capacity of the current treatment system is 3,000 gpm. The Calgon Filtrasorb 400 GAC media was selected through a competitive bidding process based on cost and performance data from pilot testing and rapid small scale column testing conducted by OCWD between December 2019 and January 2021.

Also constructed at the North Plant in 2024 were two idle GAC trains. These trains are in the process of being connected with associated piping, valving and instruments. Estimated completion for this project is November 2025. The City's new well, Well 7A, is also in the process of being equipped with an estimated completion of spring 2026. With the completion of both of these projects, the maximum capacity of the North Plant will increase to 5,000 gpm.

Finally, the Main Plant is planned to be expanded to treat the remaining three operational wells on site: Wells 5, 6 & 8. These three wells will be treated through four new GAC treatment trains before discharging to the existing forebay where the treated water will be disinfected with free chlorine and pumped into the City's distribution system. This new treatment system, also known as the "South Plant" will have a maximum treatment capacity of 4,000 gpm. This project is currently in the process of receiving construction bids, and the GAC vessels are expected to be ready to receive media by winter 2026. At the completion of the Wells 5, 6 & 8 PFAS Water Treatment Plant project, approximately 10,500 acre-feet per year of treated groundwater is expected to be restored, further reducing the region's reliance on imported water. A layout of the planned fully built-out Main Plant is shown in Figure *2*.

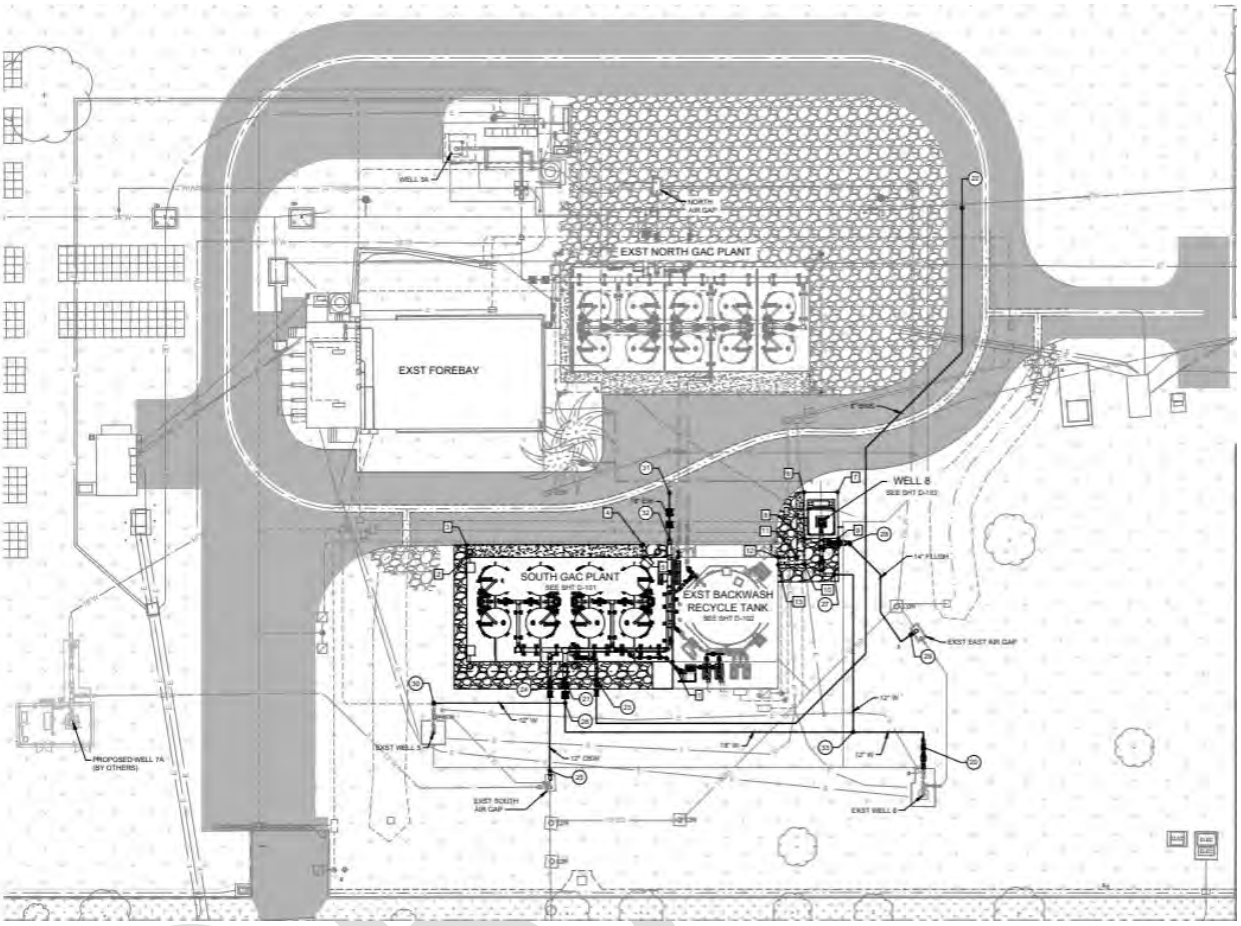

Figure 2. City of Fullerton Main Plant - Site Layout

As mentioned previously, the OCWD performed a PFAS Treatment Study between December 2019 and January 2021. The objective of the study was to test different types of adsorbent media including GAC and ion exchange resins, and alternative (novel) adsorbents to remove PFAS from affected wells operated by retail agencies within the Orange County Groundwater Basin. The study was comprised of both pilot scale testing at a single location (the OCWD "Bessie" well located in Anaheim) and bench-scale rapid-small scale column testing performed for individual wells owned and operated by the retail agencies. Of the GAC products tested, three products lasted the longest before PFAS breakthrough: Calgon Filtrasorb 400, Evoqua UltraCarb 1240LD, and Evoqua AquaCarb 1230CX. The full reports from the OCWD studies can be found on the District's website: Resources – Orange County Water District.

Between the existing North Plant trains (4 vessels) and planned new South Plant trains (8 vessels), 480,000 lbs of virgin GAC media is required to fill these vessels. The procurement, transport, delivery, filling and preparation of the media will be conducted in two phases. Phase 1 will consist of loading the North Plant trains 4 empty vessels (160,000 lbs) by December 2025, and Phase 2 will consist of loading the South Plant

trains 8 empty vessels (320,000 lbs) by winter 2026. Acceptable GAC media for these vessels are the three products tested by OCWD with the longest bed life before PFAS breakthrough.

4. SCOPE OF SERVICES

See Exhibit A, attached at the end of this RFP, for the Scope of Work and performance standards. Refer to Exhibit A-2 for relevant Operations and Maintenance Manual for the GAC media vessels currently installed and to be installed as part of the upcoming Fullerton Wells 5, 6 & 8 PFAS Water Treatment Plant project.

5. GENERAL INFORMATION

The District expects the selected firm to provide quality service in accordance with industry standards. The firm must demonstrate experience with the type of anticipated work and must have the ability to perform all services in a timely manner upon the request(s) from the District or the District's authorized representative. All work shall comply with the requirements of federal, state, and local laws, and District requirements. The GAC media contractor must be reputable and capable of furnishing the required materials, equipment, machinery, supplies, tools, apparatus, incidentals, labor and supervision necessary to provide GAC media procurement, transport, delivery, installation, and preparation to the City of Fullerton's Main Plant.

Acceptable performance standards include, but are not limited to, dependability, contractor safety, demonstrated experience with anticipated work with the ability to perform all anticipated services in a timely manner upon receipt of request, expertise on the procurement, transport, delivery, installation and preparation of GAC media. Acceptable GAC media products are Calgon Filtrasorb 400, Evoqua UltraCarb 1240LD, and Evoqua AquaCarb 1230CX. No other products will be accepted by the District.

5.1. MINIMUM QUALIFICATIONS

The selected firm is required to have at minimum the following qualifications: at least five years of experience procuring, transporting, delivering, installing and preparing virgin GAC media for treating municipal drinking water utilizing at least one of the three pre-approved GAC media products.

5.2. CONTRACTOR SAFETY

OCWD is committed to the safety of all its employees, contractors, and visitors. All contractors and subcontractors must adhere to applicable Federal, State, and Regional Environmental, Health and Safety (EHS) requirements, as well as OCWD EHS policies and procedures. As part of OCWD's Contractor Safety Program, the proposer shall review and sign the required documents provided in **Exhibit D**, which describes OCWD's Contractor Safety Program Requirements (**Exhibit D-1**) and Appendix forms (**Exhibit D-2**) that are required to be filled out by the Contractor at time of the proposal deadline and throughout the duration of the Agreement. OCWD's Risk and Safety Department will coordinate with the awarded contractor on safety training regarding OCWD's Contractor Safety Program.

5.3. PREVAILING WAGE

The California Labor Code, including but not limited to Sections 1720 et seq. and 1770 et seq. thereof, and interpreting case law and regulations (the "Prevailing Wage Laws") require the payment of prevailing wages for "public works" projects, including "[w]ork done for irrigation, utility, reclamation, and improvement districts, and other districts of this type" where the total compensation exceeds $1000. The District has determined that some or all of the scope of work requires the payment of prevailing wages under the Prevailing Wage Laws.

Responding proposers must expressly agree to be responsible for compliance with all Prevailing Wage Laws applicable to the work performed.

The firms to whom an Agreement is awarded hereunder shall comply with all Prevailing Wage Laws, including the payment of prevailing wages to persons performing public works for OCWD. A copy of these prevailing wage rates is on file with the Department of Industrial Relations and can be found online with the State of California at http://www.dir.ca.gov/dlsr/pwd. A copy of such prevailing wage rates shall be posted on the jobsite by selected firms.

In accordance with Sections 1773 and 1773.2 of the California Labor Code, the District has found and determined the general prevailing rates of wages in the locality in which the public work is to be performed are those determined by the Director of Industrial Relations and available at https://www.dir.ca.gov/OPRL/DPreWageDetermination.htm. Copies of the prevailing rates of wages are maintained with the District's principal office and are available to any interested party on request. The selected firm shall post a copy of the prevailing rate of per diem wages at each job site.

The description provided herein only summarizes the Prevailing Wage Laws applicable to the work, and proposers are independently responsible for reviewing and assuring compliance with the same.

5.4. DIR CONTRACTOR REGISTRATION

Firms submitting proposals to this RFP must be registered with the Department of Industrial Relations prior to submitting a proposal pursuant to the requirements of Sections 1725.5 and 1771.1 of the California Labor Code. Contractor registration information can be found at http://www.dir.ca.gov/Public-Works/PublicWorks.html. Contracts entered into with any firm in violation of Section 1771.1(a), shall be subject to cancellation by the District at the sole discretion of the District consistent with Section 1771.1(f). Pursuant to California Labor Code Section 1771.4, proposers are alerted that the project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

6. ELEMENTS OF PROPOSAL

To provide a degree of consistency in the review of the written proposals, firms are required to include the following content in their proposals. The information required below will be used to evaluate each proposal based on the evaluation criteria outlined in this RFP. Proposals may be deemed nonresponsive if they do not respond to all areas specified below.

Proposals shall be prepared simply and economically, providing a straightforward and concise description of how the proposal has satisfied all the requirements of this RFP. Emphasis shall be on completeness and clarity of content with sufficient detail to allow for accurate evaluation and comparative analysis. Excessive or irrelevant materials will not be favorably received.

The following subsections describe the contents required in the proposal. The proposal shall be of such scope and depth to sufficiently describe and demonstrate the proposer's understanding of and approach to the projects.

Please include the following in your proposal:

6.1 Title Page

The proposer should identify the RFP title, name and title of the firm's contact person, address, telephone number, fax number, email address, and date of proposal submission.

6.2 Cover Letter

A principal of the firm authorized to commit the firm to the requirements of the RFP must sign the cover letter. The letter should identify a contact person (name, e-mail address, and phone number) for future communication during the selection process. And shall also discuss the Proposer's commitment to providing high quality services, describe the firm's understanding and approach to the services, and its ability to perform the requirements of this RFP. Include a brief background of the firm including history, types of services provided, number of employees, number of offices and locations with staff size and disciplines, and any other relevant information that may be useful in determining the firm's qualifications to provide the services described in this RFP.

6.3 Table of Contents

The table of contents should include a clear and complete identification by section and page number of the submitted materials.

6.4 Experience and record of past performance.

Provide a minimum of three (3) references from other municipal, city, or county governmental agencies for which the company has recently or is currently providing procurement, transportation, delivery, installation, and preparation of virgin GAC media that is equivalent or greater in scope as being required in this RFP. Indicate the scope of

work, date, contract amount, and the name, email address, and telephone number of the client contact. Also provide a complete list of other public agencies in California utilizing your services over the past five (5) years. Ongoing projects currently being performed by the proposer also may be submitted for consideration. The District at its discretion may contact the references for additional information. Failure to provide accurate contact information may be cause for rejection of the proposal as being nonresponsive.

6.5 Price Proposal

Please complete the Cost Proposal Sheet that is attached in **Exhibit A-1** for the services that are required within this RFP. It is expected that the indicated rates will remain in effect for the duration of the Agreement term unless otherwise specified and approved by OCWD.

6.6 Other Information

The proposal shall also include:

6.6.1 Contractor Safety Program

The proposer is required to review, complete, sign and submit the following documents:

- Contractor Environmental Health and Safety Agreement form, attached at the end of **Exhibit D-1**
- Appendix B: Contractor Required Information Form, attached in **Exhibit D-2**, must be completed in its entirety, and signed and submitted with the proposal.

6.6.2 Safety Manual

Contractor must include in their proposal a copy of its safety manual that meets requirements for their injury and illness prevention program.

6.6.3 Quality Control Plan

Contractor must include in its proposal a Quality Control Plan that provides the contractor an effective and efficient means of identifying and correcting problems throughout the entire scope of work.

6.7 Statement of Insurance Compliance

Proposer shall provide a statement that it will meet the insurance requirements that are listed in the Services Agreement, attached hereto as **Exhibit C**. OCWD will request the insurance forms and associated documentation when OCWD provides notice that the Services Agreement is awarded.

6.8 OCWD Standard Agreement

Proposers shall provide a statement that the Proposer accepts OCWD's form of Services Agreement attached hereto as **Exhibit C**. Proposers responding to this RFP must be prepared to proceed with the Services Agreement in substantially the form provided, with minor non-substantive changes in OCWD's sole discretion. OCWD retains full discretion to rescind the proposed Services Agreement award to a Proposer who fails to comply with this requirement, and to exclude the Proposer from future procurement where applicable. The Services Agreement shall be executed by the Proposer within ten (10) calendar days of receipt of OCWD's Notice of Award to Proposer.

6.9 Billing

Proposers shall provide a statement that it will meet the minimum requirements specified here. At a minimum, the invoice for services shall include the Purchase Order Number, Agreement Number, and the itemized summary of each authorized project task along with the names of persons, their job titles, the hours worked, and hourly billing rates. OCWD will provide reporting requirements to the selected firm, and the selected firm shall prepare invoices that comply with the requirements. Failure to satisfy the reporting requirements may result in rejection, payment delay, or short pay of the invoices submitted to OCWD for payment.

6.10 Conflict of Interest

Provide a statement that the proposer, individuals employed by the proposer, or firms employed by or associated with the proposer, do not have a conflict of interest with the Project. The proposer shall exercise reasonable efforts to prevent any actions or conditions that could result in a conflict of interest and shall include, but is not limited to, establishing precautions to prevent its employees or agents from making, receiving, providing in, or offering gifts, entertainment, payments, loans, or other considerations which could be deemed to appear to influence individuals to act contrary to the best interest of the District. If a potential conflict of interest is identified in any form, the Proposer shall inform the District immediately. Proposers are subject to disqualification on the basis of a conflict of interest as determined by OCWD. By submitting a proposal you are stating you do not have a conflict of interest with the Project.

6.11 Equal Employment Opportunity And Affirmative Action Requirements

The proposers shall provide a Statement of Equal Employment Opportunity/Affirmative Action. The selected consultant/contractor and each subconsultant/subcontractor shall not discriminate in the employment of persons on the work because of race, religious creed, color, national origin, ancestry, physical handicap, medical condition, marital status, sexual preference or sex of such persons except as permitted by Section 12940 of the California Government Code. The selected contractor is expected to maintain policies similar to those of the District regarding equal employment opportunities and affirmative action as set forth in the District's Administrative Policies.

7. PROPOSAL SUBMISSION REQUIREMENTS

7.1. Proposal Format

The proposal shall be limited to no more than 5 single-pages in 8.5" width x 11" length size recycled or recyclable white bond paper, paginated, and bound. This does not include the title page, table of contents, cover letter, appendices, dividers, or résumés. Any oversized documents, such as charts or tables, must be folded to size and secured in the envelope.

All files shall be bookmarked and in a text searchable PDF format (i.e., not scanned images) compatible with Adobe Acrobat Version 8.0 (at a minimum). The main directory of the flash drive shall contain the entire proposal. All sections of the PDF file shall be bookmarked.

7.2. Proposal Preparation Costs

This solicitation does not commit the District to award any work nor to pay any costs incurred from the preparation of proposals. Firms responding to this RFP will be solely responsible for all costs and expenses incurred during the selection process.

8. SELECTION PROCESS

Selection of the Consultant will be based on the proposal contents, prior experience of the firm, performance on similar or related projects, and overall costs that best serve the District. Other factors that may be considered during the evaluations include the firm's reputation in the industry and any other aspects which could affect the proposer's performance under the awarded Agreement.

All responsive proposals will be evaluated by a selection committee formed by the District. The proposal shall be of such scope and depth to sufficiently describe and demonstrate the proposer's understanding, approach, and qualifications to successfully complete the scope of services described herein. Submittal of incomplete or vague responses to any section or subsection of this RFP may result in rejection of the proposal. Proposals will be evaluated, scored, and ranked based on the criteria specified in the table below. The evaluation criteria listed in the OCWD Proposal Evaluation Form (**Exhibit B**) will be used to evaluate each proposer.

Item No.	Criteria for Proposal Evaluations	Maximum Points
1	Proposers Qualifications and Performance on Similar or Related Projects	30
2	Price	70
	TOTAL POINTS:	**100**

The District reserves the right to award the contract to the firm who presents the proposal, which in the judgment of the District, best accomplishes the desired results based upon this information, OCWD staff will recommend a firm to OCWD's Board of Directors for award of the contract. The selected firm must be able to begin work immediately upon award of the contract and must be able to maintain the required level of effort to meet the proposed schedule.

9. SPECIAL CONDITIONS

9.1. RESERVATIONS

This RFP does not commit the District to award a contract, to defray any costs incurred in the preparation of a Proposal pursuant to this RFP or to procure or contract for work.

9.2. PUBLIC RECORDS

All Proposals submitted in response to this RFP become the property of the District and are public records and as such may be subject to public review.

9.3. RIGHT TO CANCEL

The District reserves the right to cancel, for any or no reason, in part or in its entirety, this RFP including but not limited to: selection schedule, submittal date, and submittal requirements. If the District cancels or revises the RFP, the District will notify all the proposers in writing via email.

9.4. ADDITIONAL INFORMATION

The District reserves the right to request additional information and/or clarifications from any or all Proposers.

9.5. PUBLIC INFORMATION

Release of Public Information selection announcements, contract awards, and all data provided by the District shall be protected from public disclosure. Proposers desiring to release information to the public must receive prior written approval from the District.

EXHIBITS

EXHIBIT A

SCOPE OF WORK

STATEMENT OF WORK

The OCWD ("District") is soliciting Proposals from Contractors that OCWD has determine as potentially qualified to provide virgin Granular Activated Carbon (GAC) media and installation at the Fullerton Main Plant PFAS Water Treatment Plant located in the City of Anaheim. The selected Contractor will be responsible for the procurement, transport, delivery, filling of GAC pressure vessels, and preparation of the media (e.g., flushing) for treating raw groundwater.

The primary purpose of this treatment plant is to remove PFAS (Per- and Polyfluoroalkyl Substances), more specifically perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS), from drinking water supplied via groundwater wells. OCWD has performed pilot testing of select GAC products for PFOA and PFOS removal and is accepting Proposals for the three products that lasted the longest before breakthrough. The decision of which GAC to be purchased by OCWD will be based upon price and demonstrated PFOA and PFOS removal performance of the GAC in the OCWD pilot study.

Between the existing North Plant empty trains (4 vessels) and planned new South Plant trains (8 vessels), 480,000 pounds (lbs) of virgin GAC media is required to fill these vessels. The procurement, transport, delivery, filling and preparation of the media will be conducted in two phases. Phase 1 will consist of loading the North Plant trains 4 empty vessels (160,000 lbs) by December 2025, and Phase 2 will consist of loading the South Plant trains 8 empty vessels (320,000 lbs) by winter 2026.

GAC Media Specifications

- The GAC media shall be one of the following. There are no other equals.
  - Calgon Filtrasorb 400;
  - Evoqua UltraCarb 1240LD; or,
  - Evoqua AquaCarb 1230CX.
- The GAC media shall be 12x40 particle mesh bituminous coal.
- The GAC media shall be virgin GAC. Regenerated GAC media is prohibited without written approval by OCWD.
- The GAC media shall be free of dirt and other foreign material.
- The GAC media shall be ANSI/NSF 61 certified for potable water use and rinsed prior to deliver in accordance with the certification requirements. ANSI/NSF 61 certification shall be provided by the Contractor within their Proposal.
- The GAC media shall comply with AWWA B604-18.
- All GAC media supplied under this contract shall be manufactured at the same plant.
- The GAC media shall be durable and capable of withstanding the abrasion associated with sluicing.
- Contractor shall provide a product specification sheet as part of their Proposal containing, at a minimum, the following information for the GAC to be provided at the locations specified in this RFP:

  - Product and company information
  - Type of GAC media
  - GAC media physical properties:
    - Iodine number
    - Moisture by weight
    - Effective size
    - Uniformity coefficient
    - Abrasion number
    - Gradation
    - Specific gravity
  - Bed expansion curve
  - Pressure drop characteristics of the GAC at the project's fill quantity and vessel size
  - Material Safety and Data Sheets
- Detailed specifications, material quality, testing results, and a representative sample of the GAC media shall be submitted to OCWD for review and approval at least two weeks prior to delivery. Testing shall be in accordance with the current ASTM testing methods on a representative lot of the GAC to be supplied.

  Manufacturer's test reports shall include the following information:
  - Manufacturer's name
  - Product name
  - Material source and manufacturer plant location
  - Date of sampling
  - Lot or stockpile number identification
  - Pressure drop characteristics of the GAC at the project's fill quantity and vessel size
  - Physical properties:
    - Iodine number
    - Moisture by weight
    - Effective size
    - Uniformity coefficient
    - Abrasion number
    - Gradation
    - Specific gravity

GAC Media Procurement, Transport, Delivery, Installation and Preparation

- The Contractor shall procure, transport, deliver, install, and prepare the GAC media for treating raw groundwater into the constructed pressure vessels.
- The Contractor shall deliver the GAC media in two phases. The first phase includes 160,000 lbs of GAC media to be loaded into four vessels, 40,000 lbs each, by December 2025. The second phase includes 320,000 lbs of GAC media to be loaded into eight vessels, 40,000 lbs each, by winter 2026. The Contractor shall hold the price for both delivery phases included in their Proposal.

- The Contractor shall provide at least one week notice and 24-hour confirmation of its intent to deliver the GAC and shall schedule its work in coordination with the City of Fullerton's schedule.
- The Contractor shall install the media within three weeks of request by OCWD.
- The GAC media shall be transported and delivered in trailers used solely for the transport of GAC for treating water for drinking water purposes. Trailers shall be thoroughly cleaned and sanitized prior to filling with GAC and shall be lined or constructed with materials suitable for transporting GAC that will be in contact with potable water.
- The Contractor shall comply with applicable regulatory requirements including, but not limited to, OSHA, Cal-OSHA, US Department of Transportation, local air pollution control requirements, and all applicable requirements of the State Water Resources Control Board and Regional Water Quality Control Boards. Contractor to provide evidence of compliance with applicable permits and regulatory requirements.
- The GAC media shall be transferred as water slurry only using air pressure provided by the Contractor as the motive force. Use of a pump or eductor to transfer the GAC from the trailer into the exchange vessel will not be allowed. Bag loading or dry loading of the GAC media into the exchange vessel is prohibited.
- No discharges of slurry water used in the transfer process will be permitted without OCWD's permission and permission of any applicable regulatory agencies. All discharges shall meet the minimum requirements of the local City NPDES permit.
- The Contractor shall be responsible for cleanup and proper disposal of all GAC and slurry spills that may occur during the transfer operation.
- Following installation of the GAC in the vessels, the Contractor shall assist the City of Fullerton's operating personnel in placing the system in initial operation in the filter-to-waste modes, in accordance with the GAC manufacturer recommendations, for removal of fines from the newly installed GAC. Contractor shall submit GAC preparation plan as part of their Proposal. Operations and Maintenance Manual for the existing and planned GAC vessels is available for reference in Exhibit A-2.
- OCWD may elect to collect samples and perform independent testing. The treatment system must continuously provide water below 2 ng/L of both PFOA and PFOS concentrations.
- The Contractor shall guarantee in writing that effluent from the GAC media placed in the lead and lag vessel shall not exceed 2 ng/L of PFOA or PFOS within the first 100 calendar days of use, and shall remove and replace, at no cost to OCWD, the City of Fullerton, OCWD's construction contractor, or the City of Fullerton's construction contractor, the GAC media in the vessel(s) that has effluent exceeding 2 ng/L within the first 100 calendar days.
- The Contractor shall guarantee in writing that all installed GAC meets the required specifications of this RFP. If the GAC is found to not meet the specifications, the Contractor shall remove and replace the GAC from the vessels at no cost to OCWD, the City of Fullerton, OCWD's construction contractor, or the City of Fullerton's construction contractor.

EXHIBIT A-1

COST PROPOSAL SHEET

ORANGE COUNTY WATER DISTRICT
GRANULAR ACTIVATED CARBON MEDIA PROCUREMENT, DELIVERY AND INSTALLATION AT THE FULLERTON MAIN PLANT - RFP-25-003

COST QUOTATION

ITEM	DESCRIPTION	UNITS	QUANTITY	TOTAL ($)
1	Product Name: _____ GAC Media Amount: 160,000 lbs Location: Fullerton Main Plant – North GAC Trains 4 & 5 (4 vessels, 40,000 lbs each)	Lump	1	
1A	Sales Tax (7.75%) for Item 1	-	-	
			Item 1 Subtotal	
2	Product Name: _____ GAC Media Amount: 320,000 lbs Location: Fullerton Main Plant – South GAC Trains 1 - 4 (8 vessels, 40,000 lbs each)	Lump	1	
2A	Sales Tax (7.75%) for Item 2	-	-	
			Item 2 Subtotal	
			TOTAL QUOTATION	

Company Name: _____

Signature: _____

Title: _____

Date: _____

EXHIBIT A-2

GAC MEDIA VESSEL O&M MANUAL

EXHIBIT B

EVALUATION CRITERIA

EXHIBIT C

SERVICES AGREEMENT

EXHIBIT D

CONTRACTOR SAFETY

EXHIBIT D-1

CONTRACTOR ENVIRONMENTAL HEALTH & SAFETY HANDBOOK

EXHIBIT D-2

CONTRACTOR SAFETY PROGRAM

ATTACHMENT NO.1

RFP SUBMITTAL CHECKLIST

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Herndon/B. Neel

Budgeted: Yes
Budgeted Amount: $53,000
Cost Estimate: $52,110
Funding Source: General Fund
Program/Line Item No.: 1075.51112.9900
General Counsel Approval: Yes
Engineers/Feasibility Report: NA
CEQA Compliance: NA

Subject: ANNUAL SANTA ANA RIVER STREAMGAGING JOINT FUNDING AGREEMENT WITH THE UNITED STATES GEOLOGICAL SURVEY

SUMMARY

The United States Geological Survey (USGS) has proposed to continue providing streamgaging (flow and quality) services along the Santa Ana River and Santiago Creek for the period October 1, 2025 to September 30, 2026. The District's share of the streamgaging costs is $52,110 for 2025-26.

Attachment: Cover Letter and Joint Funding Agreement for October 1, 2025 to September 30, 2026

RECOMMENDATIONS

Agendize for August 20 Board meeting:

1. Approve and authorize Joint Funding Agreement with USGS to conduct streamgaging of the Santa Ana River below Prado Dam and Santiago Creek at Santa Ana for the period of October 1, 2025 to September 30, 2026; and

2. Authorize payment of $52,110 to the USGS for OCWD's share of costs for these services.

BACKGROUND/ANALYSIS

Flow and quality measurements along the Santa Ana River (SAR) and Santiago Creek are key data used by District staff for a wide range of programs, including calculation of base and storm flows for the annual SAR Watermaster Report, estimation of Forebay recharge and losses to the ocean, and the Prado Water Conservation Program. Data from these streamgaging stations are also used in the District's water rights permits annual reporting to the State Water Resources Control Board.

In addition to the Prado gauge, several upstream stations along the SAR and its tributaries were determined by the Watermaster to be vital to the calculation of base and storm flows, as required by the 1969 Judgment. OCWD has established joint funding of SAR streamgaging at the Prado and Santiago Creek stations, while San Bernardino Valley Municipal Water District (SBVMWD) has agreed to continue managing the joint

funding agreement for upstream gauges. USGS costs of measuring and maintaining these streamgages are shared among the four Watermaster agencies: OCWD, SBVMWD, Inland Empire Utilities Agency, and Western Municipal Water District.

Staff recommends that OCWD continue to contract with the USGS to conduct streamgaging at the Santa Ana River at Prado and Santiago Creek stations for the 2025-26 year. The Prado station is designated as a federal priority streamgage; thus, the costs of the flow measurements at Prado are covered by the USGS. The remainder of the USGS monitoring costs between the two stations are shared approximately 75 percent by OCWD and 25 percent by the USGS. The total cost to OCWD for 2025-26 is $52,110.

PRIOR RELEVANT BOARD ACTION(S)

7/17/2024, R24-7-85 Approving continued joint funding agreement with USGS for Santa Ana River streamgaging services.

United States Department of the Interior

U.S. GEOLOGICAL SURVEY
California Water Science Center
6000 J Street
Sacramento, CA 95819

June 24, 2025

John Kennedy P.E.
General Manager
Orange County Water District
P.O. Box 8300
Fountain Valley, CA 92728-8300

Dear John Kennedy P.E.:

Enclosed is our standard joint-funding agreement 26ZGJFA10000002 between the U.S. Geological Survey California Water Science Center and Orange County Water District for negotiated deliverables (see attached), during the period October 1, 2025 through September 30, 2026 in the amount of $52,110 from your agency. U.S. Geological Survey contributions for this agreement are $17,180 for a combined total of $69,290. If you are in agreement with this proposed program, please return the fully executed signed copy to CAgageADMIN@usgs.gov.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by **October 1, 2025**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Jonathan Newby at (909) 798-3272 or email jnewby@usgs.gov to make alternative arrangements.

This is a fixed cost agreement to be billed quarterly via Down Payment Request (automated Form DI-1040). Please allow 30-days from the end of the billing period for issuance of the bill. If you experience any problems with your invoice(s), please contact Nayely Nieto-Reyes at phone number (619) 225-6114 or nnieto-reyes@usgs.gov.

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. We look forward to continuing this and future cooperative efforts in these mutually beneficial water resources studies.

Sincerely,

Anke Mueller-Solger
Director, USGS California Water Science Center

Enclosure
Detailed Summary

Form 9-1366
(May 2018)

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Customer #: 6000000805
Agreement #: 26ZGJFA10000002
Project #:
TIN #: 95-6002277

Fixed Cost Agreement YES[X] NO[ ]

THIS AGREEMENT is entered into as of October 1, 2025, by the U.S. GEOLOGICAL SURVEY, California Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the Orange County Water District party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation for negotiated deliverables (see attached), herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of $0.00

(a) $17,180 by the party of the first part during the period October 1, 2025 to September 30, 2026

(b) $52,110 by the party of the second part during the period October 1, 2025 to September 30, 2026

(c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of: $0

Description of the USGS regional/national program:

(d) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.

(e) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

8. The maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program, and if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties. The Parties acknowledge that scientific information and data developed as a result of the Scope of Work (SOW) are subject to applicable USGS review, approval, and release requirements, which are available on the USGS Fundamental Science Practices website (https://www.usgs.gov/office-of-science-quality-and-integrity/fundamental-science-practices).

Form 9-1366
(May 2018)

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Customer #: 6000000805
Agreement #: 26ZGJFA10000002
Project #:
TIN #: 95-6002277

9. Billing for this agreement will be rendered **quarterly**. Invoices not paid within 60 days from the billing date will bear Interest, Penalties, and Administrative cost at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury.

USGS Technical Point of Contact

Name:	Jonathan Newby Supervisory Hydrologic Technician
Address:	1653 Plum Lane Redlands, CA 92374
Telephone:	(909) 798-3272
Fax:	(909) 335-3407
Email:	jnewby@usgs.gov

Customer Technical Point of Contact

Name:	John Kennedy P.E. General Manager
Address:	P.O. Box 8300 Fountain Valley, CA 92728-8300
Telephone:	(714) 378-3260
Fax:	(n/a)
Email:	jkennedy@ocwd.com

USGS Billing Point of Contact

Name:	Nayely Nieto-Reyes Accounting Technician
Address:	4165 Spruance Road Suite 200 San Diego, CA 92101-0821
Telephone:	(619) 225-6114
Fax:	(n/a)
Email:	nnieto-reyes@usgs.gov

Customer Billing Point of Contact

Name:	John Kennedy P.E. General Manager
Address:	P.O. Box 8300 Fountain Valley, CA 92728-8300
Telephone:	(714) 378-3260
Fax:	(n/a)
Email:	jkennedy@ocwd.com

U.S. Geological Survey
United States
Department of Interior

Signature

By_____ **Date:** _____

Name: Anke Mueller-Solger

Title: Director, USGS California Water Science Center

Orange County Water District

Signatures

By_____ **Date:** _____
Name:
Title:

By_____ **Date:** _____
Name:
Title:

By_____ **Date:** _____
Name:
Title:

Orange County Water District

Attachment for 26ZGJFA10000002
2025-10-01 to 2026-09-30

WATER QUALITY

SITE NUMBER	DESCRIPTION	CODE	NO. UNITS	DIFF FACTOR	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
11074000	SANTA ANA R BL PRADO DAM CA							
	Water Quality, Continuous	WQCONT	1	1	$6,400	$18,760		
	Water Quality, Measurement	WQMEAS	1	1	$3,450	$12,630		
				WQ Total:				**$41,240**
				WQ Grand Total:	**$9,850**	**$31,390**		**$41,240**

Orange County Water District

26ZGJFA10000002 (continued)

SURFACE WATER

SITE NUMBER	DESCRIPTION	CODE	NO. UNITS	DIFF FACTOR	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
11077500	SANTIAGO C A SANTA ANA CA							
	Full Range Streamflow Station	QCONT	1	1	$7,330	$20,720		
				SW Total:				**$28,050**
				SW Grand Total:	**$7,330**	**$20,720**		**$28,050**

SUMMARY FOR

TYPE	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
WATER QUALITY (WQ)	**$9,850**	**$31,390**		**$41,240**
SURFACE WATER (SW)	**$7,330**	**$20,720**		**$28,050**
GRAND TOTAL	**$17,180**	**$52,110**		**$69,290**

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Herndon

Budgeted: N/A
Budgeted Amount: N/A
Cost Estimate: N/A

Funding Source: N/A
Program/ Line Item No.: N/A
General Counsel Approval: Yes
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: MOU WITH GOLDEN STATE WATER COMPANY REGARDING METHODOLOGY TO MANAGE AND DISTRIBUTE PFAS LITIGATION SETTLEMENT PROCEEDS

SUMMARY

Staff prepared the attached draft Memorandum of Understanding (MOU) between OCWD and Golden State Water Company (GSWC) to document procedures to pool, manage, and distribute the settlement proceeds from the PFAS litigation. Staff recommends Board authorization of the General Manager to negotiate the final language of and execute the MOU, with concurrence of General Counsel.

Attachment: Draft MOU Between OCWD and Golden State Water Company

RECOMMENDATION

Agendize for August 20 Board meeting: Authorize the General Manager to negotiate final language of and execute a Memorandum of Understanding between OCWD and Golden State Water Company regarding methodology to manage and distribute PFAS litigation settlement proceeds with concurrence of General Counsel.

BACKGROUND

The PFAS Treatment and Program Agreement (PFAS Agreement) was signed by OCWD and 14 "Participating Producers" (co-plaintiffs with OCWD in joint PFAS litigation) and GSWC, which filed a separate PFAS lawsuit. The PFAS Agreement specifies that settlements and other recoveries from the joint litigation, net of attorney fees, will be pooled by OCWD and the Participating Producers, and the pooled proceeds will be distributed to OCWD and the Participating Producers in proportion to their respective costs.

Because GSWC filed a separate lawsuit, it is covered by different provisions in the PFAS Agreement than the Participating Producers. These provisions were prepared prior to the course of events that led to consolidation of lawsuits across the nation into a single multi-district litigation in federal court and subsequent class-action settlements with defendants Dupont, 3M, Tyco, and BASF. The proposed MOU provides

clarification as to the handling of GSWC's separate litigation recoveries to be in-line with the Participating Producers.

PRIOR RELEVANT BOARD ACTIONS

5/21/25, R25-5-73 Approve Engineer's Report for GSWC Clair Plant, Beach Plant, and Dale Plant PFAS Treatment Systems Project and determine the project feasible, necessary and beneficial to the lands of the District; and authorize filing Categorical Exemption.

3/12/25, R25-3-42 Approve Engineer's Report for GSWC La Jolla Plant and Fern Plant PFAS Treatment Systems Project and determine the project feasible, necessary and beneficial to the lands of the District; and authorize filing Categorical Exemption.

8/16/23, R23-8-102 Authorize Amendment No. 6 to Agreement No. 1423 with Evoqua for vessel systems for GSWC's Sherrill Well, for an amount not to exceed $376,350 and establish a total project budget of $2,500,000.

8/2/23 (Closed Session) Authorize Board President and General Manager to execute Amendment No. 1 to the Legal Services Agreement to include the cities of Buena Park, Huntington Beach, Newport Beach, and Westminster in the PFAS Treatment Facilities and Program Agreement.

4/20/22, R22-4-47 Approve Engineer's Report for GSWC Wells Bradford 4 and Fairhaven 1 & 3 PFAS Treatment Systems Project and determine the project feasible, necessary and beneficial to the lands of the District; authorize filing Categorical Exemption; and authorize publication of Notice Inviting Bids.

4/7/21, R21-4-57 Authorize execution of the PFAS Treatment Facilities and Program Agreement with Golden State Water Company.

4/15/20, R20-4-54 Authorize execution of the PFAS Treatment Facilities and Program Agreement with Groundwater Producers desiring to participate in the program subject to minor changes approved by legal counsel and the General Manager. Producers include Anaheim, Orange, East Orange County Water District, Santa Ana, Fullerton, Serrano Water District, Garden Grove, Tustin, Irvine Ranch Water District, and Yorba Linda Water District.

MEMORANDUM OF AGREEMENT
REGARDING HANDLING OF RECOVERIES FROM PFAS LITIGATION

THIS MEMORANDUM OF AGREEMENT ("**MOA**") is made and entered into this ___ day of _____, 2025, by and between ORANGE COUNTY WATER DISTRICT, a special governmental district organized and existing pursuant to the Orange County Water District Act, Chapter 924, Stats. 1933, as amended ("**OCWD**"), and GOLDEN STATE WATER COMPANY, a California corporation ("**GSWC**"), collectively the "Parties" or "Signatories".

RECITALS

WHEREAS, OCWD on one hand, the City of Anaheim, Serrano Water District, East Orange County Water District, City of Santa Ana, Yorba Linda Water District, City of Fullerton, City of Garden Grove, Irvine Ranch Water District, City of Orange, City of Tustin, City of Huntington Beach, City of Westminster, City of Newport Beach, and the City of Buena Park (collectively the "**Participating Producers**") on the other, and SL Environmental Law Group PC; Law Office of Kevin Madonna, PLLC; Taft, Stettinius & Hollister, LLP; Douglas & London, P.C.; Levin, Papantonio, Rafferty, Proctor, Buchanan, O'Brien, & Mougey, P.A.; Kelley, Drye & Warren, LLP; and Robinson Calcagnie, Inc. (collectively the "**Firms**"), are all parties to a Legal Services Agreement, dated July 21, 2020 (the "**LSA**"), as amended, under which the Firms agreed to represent OCWD and the Participating Producers with respect to litigation associated with per- and polyfluoroalkyl substances ("**PFAS**") contamination in the Orange County Groundwater Basin ("**Basin**"); and

WHEREAS, the Firms represent OCWD and the Participating Producers in a lawsuit seeking damages and other relief related to PFAS contamination, originally initiated in Orange County Superior Court and styled *Orange County Water District, et al. v. 3M Company, et al.*, Case No.: 30-2020-01172419-CU-PL-CXC, which lawsuit has been removed to federal court and consolidated for pretrial purposes in Multi-District Litigation in the United States District Court for the District of South Carolina styled *In re Aqueous Film-Forming Foams Prods. Liab. Litig.*, Case No. 2:18-mn-02873 (D.S.C.) ("**AFFF MDL**"), with Member Case No. 2:22-cv-1798-RMG (hereinafter, the "**Litigation**"); and

WHEREAS, there is a separate agreement pertaining to PFAS between OCWD, the Participating Producers, and GSWC dated April 15, 2020, which is referred to as the PFAS Treatment Facilities and Program Agreement, as amended ("**PFAS Program Agreement**"); and

WHEREAS, GSWC is not a party to the LSA and is separately represented in Separate Litigation, as that term is defined in the PFAS Program Agreement (the "**GSWC Separate Litigation**"), by one of the Firms, SL Environmental, in the AFFF MDL, and GSWC will receive financial benefits as a result of OCWD's funding, via the PFAS Program Agreement, of PFAS treatment construction and reimbursement of long-term operation and maintenance costs at impacted GSWC wells within OCWD's jurisdiction; and

WHEREAS, the PFAS Program Agreement authorizes OCWD to fund portions of the construction of PFAS treatment facilities and share in the operations and maintenance costs of PFAS treatment facilities for the term of the PFAS Program Agreement, conditioned upon the

Participating Producers and GSWC complying with certain requirements established by the PFAS Program Agreement; and

WHEREAS, as a result of the Litigation and the GSWC Separate Litigation, OCWD, the Participating Producers, and separately GSWC through SL Environmental, entered into Settlements with both 3M Company and DuPont, and other monetary Settlements with chemical company defendants (including, but not limited to Tyco and BASF) are anticipated in the near future; and

WHEREAS, for the purposes of this MOA, the term "**Settlements**" shall mean and refer to any settlement agreement and proceeds arising from the Litigation and/or GSWC Separate Litigation, or any settlement of any claim/dispute pertaining to PFAS contamination of the groundwater within the Basin; and

WHEREAS, as a result of these Settlements, and future Settlements, OCWD, Participating Producers, and GSWC have either received certain settlement payments, or will receive settlement payments in the future; and

WHEREAS, Section 7.4 (E) and Exhibit A of the PFAS Program Agreement intended that settlements and/or recoveries received from the Litigation and/or the GSWC Separate Litigation by GSWC and the Participating Producers be pooled and distributed to OCWD, GSWC, and the Participating Producers in percentage to each of their respective costs incurred responding to PFAS contamination in the Basin during the pendency of the PFAS Program Agreement; and

WHEREAS, OCWD represents that the LSA, in Section II.D and Exhibit A, created an Executive Committee and a Steering Committee, and these committees have, per the LSA, authorized settlement proceeds recovered by the Firms to be transferred to the OCWD Producers Trust Account at U.S. Bank ("**Trust Account**") to subsequently be allocated per the PFAS Program Agreement, and per the spreadsheet model developed by the Executive Committee's consultant James Skorheim (the "**Spreadsheet Model**"), as such Spreadsheet Model[1] may be revised from time to time; and

WHEREAS, GSWC is a party to the PFAS Program Agreement, and will receive substantial financial benefit therefrom as a result of OCWD's funding of PFAS treatment systems construction and long-term operation and maintenance at impacted GSWC wells within OCWD; and,

[1] Mr. Skorheim's Spreadsheet Model, previously approved by the PFAS Executive Committee, apportions pooled settlement and litigation recoveries in accordance with the percentage of actual costs incurred (or likely to be incurred in the future) by OCWD, the Participating Producers and GSWC in responding to PFAS within OCWD.

WHEREAS, OCWD, and GSWC, because of GSWC's assertion in the GSWC Separate Litigation of certain damages incurred by, or likely to be incurred by, OCWD for construction, operation and maintenance of PFAS treatment on behalf of GSWC well facilities in the Basin, seek to clarify the pooling and distribution of settlements and/or recoveries received from the Litigation and GSWC Separate Litigation related to PFAS contamination in the Basin during the pendency of the PFAS Program Agreement.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual promises, covenants, and terms and conditions herein, GSWC and OCWD agree to the following:

1. Purpose of Agreement. This instrument clarifies the intent of the Parties with regard to the PFAS Program Agreement with respect to distribution of settlement proceeds and other PFAS related litigation recovery.

2. Recitals. The Signatories agree that the foregoing Recitals are true and correct.

3. Pooling of Settlement Funds. Except as explained in Section 4(a) below, all funds received from the GSWC Separate Litigation, after deducting applicable attorney fees (the "**Settlement Funds**"), will be: (a) deposited to the Trust Account and managed by OCWD's Chief Financial Officer (or his designee/successor); and (b) distributed to OCWD, GSWC, and/or the Participating Producers per the Spreadsheet Model (as it may be revised from time to time). This will ensure accountability and management of all Settlement Funds per the PFAS Program Agreement. The account number and wiring instructions for the Trust Account will be provided by OCWD to GSWC and updated from time to time as needed to ensure pooling and management of the Settlement Funds.

    a. OCWD agrees to share all updates to the Spreadsheet Model in writing with GSWC no later than five business days after such updates are made available to the Participating Producers.

    b. GSWC shall be afforded the same rights and opportunities as the Participating Producers to provide input, review, question, object and approve modifications to the Spreadsheet Model.

4. Payment of Settlement Funds. GSWC agrees that, except as specified in Section 4(a) of this MOA below, in order to comply with the PFAS Program Agreement, it shall promptly deposit all Settlement Funds GSWC recovers and/or receives from the GSWC Separate Litigation that are associated in any way with PFAS response or treatment within OCWD, in the Trust Account as a condition of receiving OCWD funding of PFAS treatment at GSWC wells, and other financial benefits under the PFAS Program Agreement.

    a. Notwithstanding the foregoing, GSWC is not required to deposit funds it receives from the Special Needs Funds identified in the 3M, Dupont, Tyco, and BASF

settlements, nor shall shall GSWC's costs for imported water purchases due to PFAS be included in GSWC's settlement disbursement cost percentage.

b. No later than five days after each GSWC deposit of Settlement Funds into the Trust Account, GSWC shall provide OCWD with documentation that details the basis for the deposit amount, including the amount(s) received from GSWC's Separate Litigation and applicable attorney fees that were subtracted.

5. Distribution of Settlement Funds. OCWD shall distribute the pooled proceeds received from the Litigation and from GSWC's Separate Litigation, to OCWD, the Participating Producers, and GSWC, over time, per the Spreadsheet Model.

6. Conflicting Provisions. OCWD and GSWC affirm the continued existence and effectiveness of the PFAS Program Agreement and the intent of the Parties to clarify their respective intent under the PFAS Program Agreement through this MOA. However, to the extent of any conflict between this MOA on the one hand, and the PFAS Program Agreement on the other, the terms of this MOA shall control.

IN WITNESS WHEREOF, the Signatories hereto have executed this MOA on the respective dates set forth below, and this MOA shall become effective and clarify the Signatories' obligations to the PFAS Program Agreement, as applicable, on the date when last executed and delivered by all of the Signatories to this MOA.

OCWD

ORANGE COUNTY WATER DISTRICT:

By:

Dated: _____, 2025

GOLDEN STATE WATER COMPANY

GOLDEN STATE WATER COMPANY:

By:

Dated: _____, 2025

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: P. Parmar

Budgeted: Yes
Budgeted Amount: $200,000
Cost Estimate: $122,817
Funding Source: R & R
Program/Item No. R25003
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: PURCHASE ORDER TO AGILENT TECHNOLOGIES FOR ONE INDUCTIVELY COUPLED PLASMA OPTICAL EMISSION SPECTROMETER (ICP-OES)

SUMMARY

Staff recommend the purchase of one budgeted Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) system from Agilent to replace a 14-year-old analytical system that has reached the end of its useful life and is no longer supported by the vendor. The system will support required testing for trace metals.

Attachment: Quotation from Agilent proposal dated July 16, 2025

RECOMMENDATION

Agendize for August 20 Board meeting: Authorize issuance of a Purchase Order to Agilent Technologies for the total amount of $122,817, includes shipping and taxes, for one Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), recirculating chiller, and ADS autosampler.

BACKGROUND

The District's Philip L. Anthony Advanced Water Quality Assurance Laboratory ('lab') performs analyses of lithium, boron, sodium, magnesium, potassium, calcium and iron in support of many programs, including Groundwater Producer compliance support, GWRS permit compliance, Santa Ana River monitoring, and basin-wide groundwater monitoring. The lab has utilized a PerkinElmer Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) system for trace metal analyses since purchasing it 14 years ago to meet the detection limits for reporting (DLRs) set by the State of California Division of Drinking Water (DDW).

In response to a Request for Proposals (RFP) issued in July 2025, the District received submissions from three vendors: PerkinElmer, Thermo Electron North America LLC (Thermo Scientific), and Agilent Technologies (Agilent). The RFP described the lab's specific need for an ICP-OES instrument to test for alkali and trace metals analysis. The vendors were required to describe their proposed system configuration and include references from laboratories performing similar methods of analysis in water. Overall system descriptions and sales brochures were also requested. The selection process consisted of senior laboratory staff rating each submitted proposal. Each category was rated on a 100-point scale, with an aggregate score calculated from the sum of the individual scores as summarized in the table below.

Proposers	Price	Average Score	Rank
Agilent	$122,816.60	88%	1
Perkin Elmer	$99,680.74	84%	2
Thermo Fisher	$118,747.71	76%	3

After conducting a thorough evaluation of the proposals, lab staff have determined the Agilent Technologies ICP-OES system to best fit the District's current and future needs for four (4) primary reasons:

- The lab currently operates one PerkinElmer ICP-OES and one PerkinElmer ICP-MS with both equipped with its own automation autosampler supplied by a different vendor (ESI). Agilent is the only vendor that supports an OEM automation autosampler that is designed and manufactured by the same vendor. To minimize system downtime, having a single point of contact to service the entire instrument and its components is highly desirable.

- Lab staff have a long history of reliable local service and application support from PerkinElmer, but in recent years two of the senior engineers have retired and another has transferred into a different role within the company, thereby reducing responsiveness and expertise. Based on the lab's experience with other instruments, Agilent Technologies service engineers and application support specialists are very knowledgeable and will be able to support the use of EPA drinking water and wastewater method EPA 200.7 for their ICP-OES systems. This will minimize method development time on the replacement instrument and bring it on-line as quickly as possible.

- The Agilent Technologies instrument requires less maintenance, therefore there should be less downtime associated with its use. For example, the torch assembly has a one-piece option instead of multiple components so maintaining and replacing it is simpler.

- In lab staff's experience, Agilent's software is more user friendly and it can be customized to user preferences.

Therefore, staff recommend the purchase of one Agilent Technologies Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), recirculating chiller, and ADS2 autosampler.

PRIOR RELEVANT BOARD ACTION(S)

10/9/24, R24-10-003: Authorize issuance of a Purchase Order to Thermo Scientific for the total amount of $334,845 for one Thermo Scientific Ion Chromatograph tandem Mass Spectrometer coupled with a TSQ Quantis Plus Triple Quadrupole (TQ) Mass Spectrometer

8/16/23, R23-8-107: Authorize issuance of a Purchase Order to Agilent Technologies for the total amount of $126,198 for one Agilent 8890 Gas Chromatograph: one coupled with a 5977C Single Quadrupole (SQ) Mass Spectrometer and stainless-steel ion source.

8/16/23, R23-8-108: Authorize issuance of Purchase Order to Thermo Scientific for the total amount of $84,837 for the support service agreements for FY23-24, up to $74,081 for FY24-25, and up to $73,659 for FY25-26.

9/21/22, R22-9-129: Authorize issuance of Purchase Order to Agilent Technologies for the total amount of $174,816 for one Agilent Gas Chromatograph/Mass Spectrometer.

7/20/22, R22-7-89: Authorize issuance of Purchase Order to Thermo Scientific for the total amount of $75,960 for support service agreement for Laboratory instruments for FY22-23.

Agilent Technologies, Inc.

ORANGE COUNTY WATER DISTRICT
REQUEST FOR PROPOSALS
RFP-25-001
FOR
Purchase One Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) System

July 30, 2025

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

Re: RFP-25-001

Dear Ashlie,

Agilent Technologies, Inc. (hereinafter, *"**Agilent**"*) is pleased to respond to the subject Request for Quote.

Agilent (NYSE: A) is a preeminent leader in the life sciences, diagnostics, and applied chemical markets worldwide. The company provides laboratories all over the world with exceptional instruments, services, consumables, applications and expertise, enabling its customers to gain the insights and knowledge that they seek. Agilent's expertise and trusted collaboration provide its customers with the highest confidence in our solutions.

Agilent is bidding in accordance with Agilent's **Quotation # 6194105** (the "**Quotations**") in response to the attached Request for Quote RFP-25-001 the*"**RFQ**"*), and is in full compliance with the requirements of the RFQ and any amendments thereto.

If you have questions regarding Agilent's products listed in the Quotation, please do not hesitate to contact the undersigned at 302-636-1575 or by e-mail at **Lscabids@agilent.com.** Thank you in advance.

Sincerely,
AGILENT TECHNOLOGIES, INC.
Elaine Jones
Elaine Jones
Bids Response Specialist

Agilent Technologies, Inc.

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Agilent

Agilent Technologies, Inc.

Experience and Record of Past Experience

Experience Summary

Agilent has a deep history in atomic spectroscopy, including ICP-OES, for over 30 years. The current generation Agilent ICP-OES models are the 5800 and 5900. With over 10,000 series 5000 ICP-OES sold, Agilent holds a global market leadership position. The customer base includes many applications and markets with environmental testing being one of the largest. The 5800 and 5900 ICP-OES feature lowest operating costs, best performance, and smart hardware and software features to make regulated environmental analysis routine. The release of the Agilent ADS-2 auto-dilution system (designed, manufactured, and supported by Agilent) has further increased automation, accuracy, and time savings. **Agilent has 4 Field Service Engineers specifically trained on our atomic portfolio serving the Orange County area. To enable easier search functionality, all manuals and troubleshooting is available on ICP Expert.**

Analytical scientists and clinical researchers worldwide rely on Agilent to help fulfil their most complex laboratory demands. Our instruments, software, services and consumables address the full range of scientific and laboratory management needs—so our customers can do what they do best: improve the world around us. Whether a laboratory is engaged in environmental testing, academic research, medical diagnostics, pharmaceuticals, petrochemicals or food testing, Agilent provides laboratory solutions to meet their full spectrum of needs. We work closely with customers to help address global trends that impacts human health and the environment, and to anticipate future Scientific needs.

Our solutions improve the efficiency of the entire laboratory, from sample prep to data interpretation and management. Customers trust Agilent for solutions that enable insights for a better world.

Agilent is committed to helping our customers across the globe advance their research in life science, food safety, forensics, materials, and environmental science by designing, manufacturing, and supporting the high-level and flexible instrumentation required for demanding analyses from the trace analysis of small molecules to the characterization of large biomolecules. Beyond instrumentation, Agilent supports these entire workflows by offering consumables and supplies required for sample preparation in challenging matrices including, but not limited to, plant and tissue extracts, water, soil, blood, serum, plasma, and urine. As a single vendor offering all instrumentation, training, consumables, hardware, and software required for these demanding analyses, we hear the voice of customers across steps of workflow and are constantly working to improve offerings to ensure our users can have the highest confidence in their results.

Agilent Technologies, Inc.

Price Proposal

Quotation Date: 07/28/25

Agilent Technologies, Inc.
2850 Centerville Rd
Wilmington DE 19808
U.S.A.

Prepared For:
Denny Tran
Orange County Water District
18700 Ward St
FOUNTAIN VALLEY CA 92708-6930

Quotation

Quote No: 6194105	**Quote Expiration Date:** 08/29/25
Incoterms: Delivered duty paid	**Payment Terms:** Net 30 Days
Estimated Delivery (weeks): 2	
Your Agilent Representative: Johan Nortje +1 (858) 500-2778 johan.nortje@agilent.com	
To Place an Order: Phone:1-800-227-9770 option 1 Fax:1-302-633-8953 email:Lscainstrumentsales@agilent.com website:www.agilent.com/store	

PACKAGE INCLUDES 2 DAYS ON-SITE APPLICATIONS CONSULTING.

Item	Product ID and Description	Qty/UOM	Ext Net Price
1	**G8022AA**	**1 EA**	**104,720.55**
	5800 VDV ICP-OES Automation Bundle With the following configuration: Ship-to Country - USA 402 - SPS 4 Integrated Cover Kit Installation (44K) Introduction (44L) 1 Year SW Update/Phone Assist (44W)		
2	**G8496A**	**1 EA**	**4,827.35**
	Agilent smart, non-CFC recirculating chiller with temperature control and software integration. With the following configuration: Ship-to Country - USA Installation (44K)		
3	**6610030100**	**1 EA**	**339.90**
	Bottle ICP-OES Wavecal soln 500mL 5 ppm		
4	**5190-7001**	**1 EA**	**73.70**
	Calibration blank solution 5 percent HNO3 for		

Total List:	199,930.00 USD
Total Discount:	89,968.50 USD
Total Net (excl. Shipping and Taxes):	109,961.50 USD
Total Shipping & Handling:	3,000.00 USD

Total Net with Shipping and Handling:	112,961.50 USD
Estimated Taxes:	9,855.10 USD
Total Quote:	122,816.60 USD

Product and Warranty:
Each Product receives a global warranty which includes the standard warranty for the country of purchase. Please review the terms of the global warranty and Agilent's "Rights Due to Defects (Warranty)" terms and conditions on our website.
The warranty period for standard instruments is twelve (12) months from the date of acceptance. Consumables are warranted for ninety (90) days from the date of acceptance. Customer may receive a different warranty when the product is purchased as a part of a system. Selected Automation consumables are warranted for one hundred and eighty (180) days, selected Vacuum Products are warranted for twenty-four (24) months. Please check with your Agilent Sales Representative for details.

Terms and Conditions:
The sale of Agilent Products and Services referenced in this quotation is subject to the then current version of Agilent's Terms of Sale, and any Supplemental Terms or Occasional Reseller Terms of Sale or other applicable terms referenced herein. The sale of Microplates Products shall be subject to Microplates Terms of Sale and any Supplemental Terms or other applicable terms referenced herein. The sale of Microplates Tooling Products shall be subject to Microplates Tooling Terms of Sale and any Supplemental Terms or other applicable terms referenced herein. All of the above "Terms" as applicable. A copy of the Terms is either attached or has been previously provided to you. Please contact us if you have not received a copy or require an additional copy. If you have a separate agreement in effect with Agilent covering the sale of Products and Services referenced in this quotation, the terms of that agreement will take precedence for those Products and Services. Agilent expressly objects to any different or additional terms in your purchase/sales order documentation, unless agreed to in writing by Agilent. Products and Services availability dates are estimated at the time of the quotation. Actual delivery dates or delivery windows will be specified at the time Agilent acknowledges and accepts your purchase order. The above conditions shall apply to the fullest extent permitted by the law. You may have other statutory or legal rights available. Commodities, technology or software exported from the United States of America ("U.S.") or from other exporting countries will be subject to the U.S. Export Administration Regulations and all exporting countries' export laws and regulations. Diversion contrary to U.S. law and the applicable export laws and regulations is prohibited.

Additional Information:
Agilent Payment Method: ACH Credit card accepted only at the time of order placement. Agilent will charge 3% of the invoiced amount, when term invoices are paid with a credit card.

Agilent Technologies, Inc.

Other Information

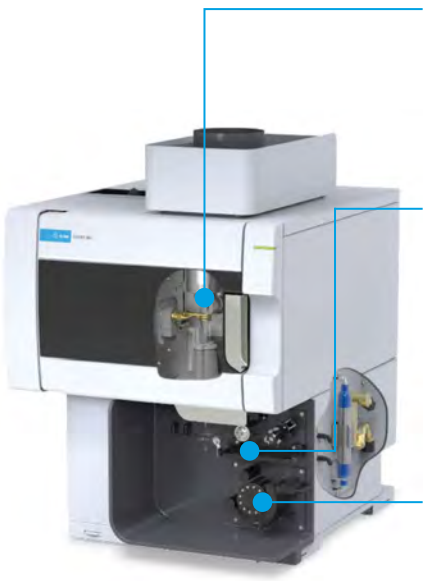
*Recommended spare parts list

*References

*Included in the electronic flash drive copy

Agilent technical experts have compiled a list of recommended supplies that you should consider using with your new instrument in order to keep your lab operational without any disruptions and to achieve optimal performance.

Top Supplies for 5000 series ICP-OES for aqueous matrices



Torches

- G8010-60228: One-piece Easy fit torch with 1.8 mm id injector (standard torch for DV systems)
- G8012-60000: One-piece Easy fit torch with 1.4 mm id injector (standard torch for RV systems)

Sample introduction

- G8010-60255: SeaSpray nebulizer (Top Recommendation)
- G8010-60256: Double-pass glass cyclonic spray chamber
- G8010-67001: Operating supplies kit, for 5000 series SVDV/VDV (dual view) ICP-OES
- G8012-67001: Operating supplies kit, for 5000 series RV (radial view) ICP-OES

Peristaltic pump tubing

- 3710034400: PVC tubing with white/white tabs for aqueous samples (Top Recommendation)
- 3710034600: PVC tubing with blue/blue tabs for aqueous waste (Top Recommendation)
- 3710046900: PVC tubing with orange/white tabs for Internal Standard (aqueous based)
- 1610132400: Y-piece connector for online addition of internal standard

Waste solution

- 5005-0437: Waste container kit, 10L with Stay Safe cap and charcoal vapor filter
- 5043-1193: Replacement charcoal filter for vapor trapping, with 6 month time strip

Standard (aqueous) 5000 series ICP-OES supplies recommendations

Part Number	Description	Reason to Use	
See this link for a full selection of torches including the new fully demountable torch	One-piece, semi-demountable, and fully demountable torch options are available	One-piece torches are supplied as standard with the instrument. Semi-demountable torches allow the outer tube-set to be removed and replaced when required. Fully demountable torches allow both the injector and outer tube set to be removed and replaced when required	
G8010-80035	UniFit sample connector, 0.75 mm id, 10/pk	Sample capillaries are used to introduce sample into the nebulizer. Users will need to periodically change this sample connector and should have extras on hand	
G8010-80036	UniFit drain connector for use with 5000 series ICP-OES spray chamber, 3/pk	Additional drain lines used to remove waste from the spray chamber. Users will need to periodically change this drain line and should have extras on hand	
G8010-68014 (axial window) G8010-68018 (axial O-ring) G8010-68015 (radial window)	Replacement glass and O-ring for pre-optics window assembly	Additional glass or O-rings for the pre-optic window assemblies for axial and radial view. The windows need to be cleaned regularly and will need periodic replacement. It is advised for users to have spare windows to minimize downtime if a replacement is required	
G8020-68016 G8010-68019	Replacement air filter element	Filter element for the cooling air inlet on the 5800/5900 ICP-OES Filter element for the cooling air inlet in the 5100/5110 ICP-OES	
6610030100	Bottle of wavelength calibration solution for ICP-OES 500 mL 5 ppm (ready to use)	This solution is required periodically by the user for wavelength calibration of the instrument (Top Recommendation)	
G8000-63003	Multimode Sample Introduction System (MSIS)	An optional accessory for Agilent's ICP-OES that allows sample introduction using either vapor generation or nebulization modes, or both at the same time. This eliminates the need to swap between a standard spray chamber and a vapor generation accessory, allowing the same instrument configuration to be used for both standard sample nebulization and vapor generation enabling analysis of both hydride and non-hydride elements. Recommended for environmentally sensitive elements including As, Se, Hg, Sn, and others where low µg/L detection limits are required	
3710027200	PVC peristaltic pump tubing for aqueous samples, black/black tabs, 12/pk	Peristaltic pump tubing used to pump reductant when using the MSIS. Peristaltic pump tubing is the most used consumable and should be replaced frequently (every 1–2 weeks for standard throughput)	
3710068900	PVC peristaltic pump tubing for aqueous samples, black/white tabs, 12/pk	Peristaltic pump tubing used to pump aqueous waste from the MSIS. Peristaltic pump tubing is the most used consumable and should be replaced frequently (every 1–2 weeks for standard throughput)	

Inert (HF Compatible) 5000 series ICP-OES supplies recommendations

Part Number	Description	Reason to Use	
G8010-68007 (DV) G8010-68006 (RV)	Inert sample introduction kit, for use with HF digests	Complete supplies kit for inert sample introduction. Includes inert spray chamber, OneNeb Series 2 nebulizer, inert semidemountable Easy-fit torch with 1.8 mm alumina injector, and Solvaflex peristaltic pump tubing for sample (black/black) and waste (grey/grey)	
G8010-60231 (DV) or G8010-60234 (RV)	Semi-demountable Easy-fit inert torch for HF digests	An inert injector is required for the analysis of HF containing samples. The semi demountable torch allows the removal/replacement of the outer tube-set. For additional flexibility, the inert fully demountable torch can also be used	
G8010-60293	OneNeb Series 2 inert concentric nebulizer	Ideal for routine analysis of samples up to 25% TDS with good precision and better sensitivity than a SeaSpray; inert construction makes it suitable for most solution types	
G8010-60345	Sample inlet fitting for OneNeb Series 2 nebulizer 1/pk	Sample capillary for the OneNeb 2 nebulizer. Recommended to periodically replace this component and have extras on hand	
G8014-68002	Inert spray chamber for 5000 series ICP-OES	Cyclonic design inert spray chamber made of PET for use with HF digests, samples with high TDS levels or samples with particulates such as wear metals (used oils). Includes removeable baffle that allows it to be used as a double or single pass design. Features a durable sandblasted internal finish to ensure good drainage	
3710034800	SolvaFlex peristaltic pump tubing for HF digested samples, black/black tabs, 12/pk	Standard-size tubing used for HF acid digested samples. Peristaltic pump tubing is the most used consumable and should be replaced frequently (every 1–2 weeks for standard throughput)	
3710035200	SolvaFlex peristaltic pump tubing for HF acid waste, gray/gray tabs, 12/pk	Standard-size tubing used for waste line when analyzing HF acid digested samples. Peristaltic pump tubing is the most used consumable and should be replaced frequently (every 1–2 weeks for standard throughput)	

Semi-Volatile organic solvent compatible 5000 series ICP-OES supplies recommendations

Part Number	Description	Reason to Use	
G8010-68029 (DV) or G8010-68030 (RV)	Semi-volatile organics sample introduction kit for samples prepared in semi-volatile organic solvents (including kerosene)	Complete supplies kit for introduction of semi-volatile organic samples. Includes double pass glass cyclonic spray chamber, Conikal nebulizer, fully demountable Easy-fit torch with 1.4 mm ID quartz injector and outer tube-set for organics, solvent resistant drain tubing and PVC Solvaflex peristaltic pump tubes for sample (black/black tabs) and waste (grey/grey tabs)	
G8010-68009 (DV) or G8010-68008 (RV)	Ketone based organic solvent introduction kit for samples prepared in ketone based organic solvents (including MIBK)	Complete supplies kit for introduction of ketone based organic samples. Includes double pass glass cyclonic spray chamber, Conikal nebulizer, fully demountable Easy-fit torch with 1.4 mm ID quartz injector and outer tube-set for organics, solvent resistant drain tubing and Marprene peristaltic pump tubes for sample (white/white tabs) and waste (blue/blue tabs)	
G8020-68002 (quartz) or G8020-68020 (inert)	Fully demountable torch with 1.4mm quartz injector or Fully demountable torch with 1.4mm alumina (inert) injector	Users analyzing organic solvents may have carbon build up on the injector. Removing this carbon build-up can be hazardous and a chore with the standard torch. The removable injector on the fully demountable torch simplifies maintenance. The quartz injector can be placed in a muffle furnace for cleaning, whilst the alumina (inert) injector must be cleaned with a blow torch. The alumina injector provides longer life as it is resists degradation when compared to a quartz injector	
G8014-60022 (DV) or G8016-60000 (RV)	High purity quartz outer tube set for ICP-OES used with organic solvents	The fully demountable torch for organics is supplied with one outer tube-set. While the organic tube sets have long lifetime, it is recommended that users have an extra on hand to minimize downtime due to breakage or routine maintenance	
G8020-60806 (quartz) or G8020-47003 (inert)	1.4 mm id tapered quartz injector, or 1.4mm id alumina (inert) injector, for the fully demountable torch	Users analyzing organic solvents experience carbon build-up on the injectors. When carbon build-up occurs more frequently, it may be time to replace the injector. It is recommended that users have an extra injector on hand to minimize downtime due to breakage or routine maintenance. An alumina injector will provide longer life as it resists degradation when compared to a quartz injector	
G8010-60270	Conikal Nebulizer (Glass concentric), U-Series 1/pk	The Conikal nebulizer is recommended for routine analysis of most organic samples. Users should order at least 1 spare nebulizer to ensure they have an extra nebulizer to minimize downtime during routine maintenance, or if the nebulizer is damaged	
G8020-69001	V-groove, inert high TDS nebulizer	The V-groove nebulizer is recommended for routine analysis of organic samples that contain suspended particulates, such as wear metals. This nebulizer is capable of handling particle sizes up to 350µm in diameter.	
G8010-80035	UniFit sample connector, 0.75 mm id, 10/pk	Additional sample capillaries used to introduce sample into the nebulizer. Users recommended to periodically change this sample connector and have extras on hand	
3710034800	SolvaFlex peristaltic pump tubing for semi-volatile organic solvents, black/black tabs, 12/pk	Standard size tubing used for samples prepared in semi-volatile organic solvents. Peristaltic pump tubing is the most used consumable and should be replaced frequently (every 1–2 weeks for standard throughput)	
3710035200	SolvaFlex peristaltic pump tubing for semi-volatile organic waste, gray/gray tabs, 12/pk	Standard size tubing used for waste line when analyzing samples prepared in semi-volatile organic solvents. Peristaltic pump tubing is the most used consumable and should be replaced frequently (every 1–2 weeks for standard throughput)	

Volatile organic solvent compatible 5800/5900 ICP-OES workflow supplies recommendations

Part Number	Description	Reason to Use	
G8010-68005 (DV) or G8010-68004 (RV)	Volatile organics sample introduction kit for samples prepared in volatile organic solvents (e.g. gasoline)	Complete supplies kit for introduction of volatile organic samples. Includes Conikal nebulizer, fully demountable Easy-fit torch with 0.8 mm ID quartz injector and outer tube-set for organics, solvent resistant drain tubing and Viton peristaltic pump tubes for sample (white/white tabs) and waste (blue/blue tabs). Requires but does NOT include a cooled spray chamber. The IsoMist temperature-controlled spray chamber is recommended	
G8020-68001	Fully demountable 0.8 mm id torch (RV)	Users analyzing organic solvents may experience carbon build up on the injectors. Removing this carbon build-up can be hazardous and a chore with the semi-demountable torch. The removable injector on the fully demountable torches simplifies maintenance by enabling the injector to be removed and placed in a muffle furnace for cleaning	
G8014-60022 (DV) or G8016-60000 (RV)	High purity quartz outer tube set for ICP-OES used with organic solvents	The fully demountable torch for organics is supplied with one outer tube-set. While the organic tube sets have long lifetime, it is recommended that users have an extra on hand to minimize downtime due to breakage or routine maintenance	
G8020-60805 (quartz) or G8020-47002 (inert)	0.8 mm id tapered quartz injector, or 0.8 mm id alumina (inert) injector, for the fully demountable torch	Users analyzing organic solvents experience carbon build-up on the injectors. When carbon build-up occurs more frequently, it may be time to replace the injector. It is recommended that users have an extra injector on hand to minimize downtime due to breakage or routine maintenance. An alumina injector will provide longer life as it resists degradation when compared to a quartz injector.	
G8010-60270	Conikal nebulizer (Glass concentric), U-series 1/pk	The Conikal nebulizer is recommended for routine analysis of most organic samples. Users should order at least 1 spare nebulizer to ensure they have an extra nebulizer to minimize downtime during routine maintenance, or if the nebulizer is damaged	
G8010-80035	UniFit sample connector, 0.75 mm id, 10/pk	Additional sample capillaries used to introduce sample into the nebulizer. Users will need to periodically change this sample connector and should have extras on hand	
3710043500	Viton peristaltic pump tubing for volatile organic solvents, orange/yellow tabs, 12/pk	Standard size tubing used for samples prepared in volatile organic solvents. Peristaltic pump tubing is the most used consumable and should be replaced frequently (every 1–2 weeks for standard throughput)	
3710043900	Viton peristaltic pump tubing for volatile organic waste, blue/blue tabs, 12/pk	Standard size tubing used for waste line when analyzing samples prepared in volatile organic solvents. Peristaltic pump tubing is the most used consumable and should be replaced frequently (every 1–2 weeks for standard throughput)	

High TDS compatible 5000 series ICP-OES supplies recommendations

Part Number	Description	Reason to Use	
G8020-68023	High TDS Inert application kit, for use with High TDS samples and HF digests	Complete supplies kit for high TDS, inert, sample introduction. Includes inert spray chamber, V-groove nebulizer, inert fully-demountable Easy-fit torch with 2.4 mm alumina injector, and Solvaflex peristaltic pump tubing for sample (gray/gray) and waste (blue/blue)	
G8010-60346	Nebulizer gas humidifier for 5000 Series ICP-OES	The argon humidifier accessory is used to humidify the nebulizer gas when analyzing samples with high concentrations of total dissolved solids (TDS). It helps to reduce blockage in the nebulizer and sample introduction system, improving long-term stability. Recommended when solutions have > 3% TDS	
G8020-68004 (quartz) or G8020-68022 (inert)	Fully demountable torch with 2.4mm quartz injector or Fully demountable torch with 2.4mm alumina (inert) injector	Users analyzing high TDS samples typically require more torch maintenance making the fully demountable torch an ideal choice. Fully demountable torches allow the injector and outer tube set to be removed and replaced as needed. For a more economical option, a semi-demountable high TDS torch is also available (Part Number G8010-60232). An alumina (inert) injector is more robust against devitrification caused by high TDS samples rich in alkali salts, when compared to a quartz injector	
G8010-60263 (DV) or G8010-60264 (RV)	Quartz outer tube set for ICP-OES used with conventional aqueous samples	The fully demountable torch for high TDS samples is supplied with one outer tube-set. It is recommended that users have an extra on hand to minimize downtime due to breakage or routine maintenance	
G8020-60808 (quartz) or G8020-47004 (inert)	2.4 mm id tapered quartz injector, or 2.4 mm id alumina (inert) injector, for the fully demountable torch	Users analyzing high TDS samples can experience injector blockage if a standard bore injector is used. A wide bore injector reduces blockage. It is recommended that users have an extra injector on hand to minimize downtime due to breakage or routine maintenance. An alumina (inert) injector is more robust against devitrification caused by high TDS samples rich in alkali salts, when compared to a quartz injector.	
G8014-68002	Inert spray chamber for the 5000 ICP-OES	Cyclonic design inert spray chamber for use with samples with high TDS levels or samples with particulates such as wear metals (used oils). Includes removeable baffle that allows it to be used as a double or single pass design. Features a durable sandblasted internal finish to ensure good drainage	
G8020-69001	V-groove, inert High TDS Nebulizer	The V-groove nebulizer is recommended for routine analysis of high TDS samples with up to 30% TDS and particle sizes up to 350µm in diameter. The V-groove design and inert construction makes it the most robust nebulizer, which helps to reduce pre-filtering, re-runs and maintenance.	
5005-0447	Sample inlet fitting for V-groove nebulizer, 1/pk	Additional sample capillary for the V-groove nebulizer. Users will periodically need to replace this component and have extras on hand	
3710035200	SolvaFlex peristaltic pump tubing for high TDS samples, gray/gray tabs, 12/pk	Standard-size tubing used for high TDS samples. Peristaltic pump tubing is the most used consumable and should be replaced frequently (every 1–2 weeks for standard throughput)	
3710067900	SolvaFlex peristaltic pump tubing for waste, blue/blue tabs, 15/pk	Standard-size tubing used for waste with high TDS samples. Peristaltic pump tubing is the most used consumable and should be replaced frequently (every 1–2 weeks for standard throughput)	
3710046900	PVC peristaltic pump tubing for aqueous internal standard, orange/white tabs, 12/pk	Standard size tubing used for aqueous based internal standard. Peristaltic pump tubing is the most used consumable and should be replaced frequently (every 1–2 weeks for standard throughput)	
1610132400	Y-piece connector for online addition of internal standards	This is the connector needed for on-line addition of internal standard to the sample prior to nebulization. This reduces sample preparation for the user	

SPS 4 autosampler supplies recommendations (5000 Series ICP-OES)

Part Number	Description	Reason to Use	
G8410-60100	SPS 4 autosampler cover kit, 1/pk	Recommended to fully enclose the autosampler to help reduce sample and standard contamination from dust and drafts	
5043-0065	PVC Flexible Ducting 50 mm-id for SPS 4 cover kit, 5 m	Ducting required to enable removal of fumes from the autosampler with the cover fitted. Fitted with 56 mm OD cuffs	
G8410-80102	SPS 4 probe 0.8 mm id with green markers. Inert, FEP sleeved for SPS 4 autosampler, 1/pk	Required to support routine operation of the SPS 4 autosampler	
3710049000	Peristaltic pump tubing for supply of rinse solution to the autosampler, PVC Solvaflex, 3-bridged, grey/grey tabs, 12/pk	Required for routine operation as regular replacement of the pump tubing is recommended	
6610025400	Sample rack for 16 mm od tubes, 60 positions	Additional sample racks are recommended to provide additional holding and storage capacity	
6610026100	Rack overlay for 60-position sample rack allows 13 mm od tubes to be used in 60-position rack	Additional sample racks are recommended to provide additional holding and storage capacity	
6610026600	Sample rack for 30 mm od tubes, 21 positions	Additional sample racks are recommended to provide additional holding and storage capacity	
G8410-40000	Standards rack, 34 positions, for SPS 4 autosampler	Additional standard rack for AA/MP-AES and ICP-OES autosampler configuration	
190049700	Polypropylene sample tubes, 16 mm od, 125 mm height, 1000/pk	Sample tube recommended for the 60-position sample rack	
190065200	Centrifuge tubes, screw-capped, 29 mm od, 50 mL polypropylene, 500/pk	Sample tube recommended for the 21-position sample rack	
G8010-60306	Autosampler Connection Kit for AVS 6/7 switching valve used with 5800/5900 ICP-OES, 1/pk	Recommended when the user wants to use the autosampler with the AVS 6/7 switching valve. Super Flangeless One-Piece Fitting, 1/4-28 Flat-Bottom, for 1/16" OD tubing used to join the probe line to the valve assembly	

AVS 6/7 Advanced Valve System supplies recommendations (5000 series ICP-OES)

Part Number	Description	Reason to Use	
G8494-60002	Rotor seal for 6-7 port valve for AVS 6/7 switching valve used with 5800/5900 ICP-OES, 1/pk	Standard rotor seal with the AVS 6/7. This part wears with use and should be inspected regularly. Users will periodically need to replace this component and should have extras on hand	
G8495-60000 (AVS 7) or G8494-60000 (AVS 6)	Spare valve, 6/7 port, 2 positions for AVS 6/7 switching valve used with 5800/5900 ICP-OES, 1/pk	Replacement valve assembly for the AVS 6/7. This part wears with use and should be inspected regularly. Users will periodically need to replace this component and should have extras on hand	
UCP316	PTFE plug for 1/4-28 flat bottom, 1/pk	Blanking plug that can be used to block the 7th port of the AVS 7, if internal standard addition is NOT required	
G8494-60005	Rinse (10 L) and waste (20 L)containers for AVS 6/7 switching valve used with 5800/5900 ICP-OES	10 L HDPE container for rinse solution and 20 L HDPE container for waste, both fitted with safety caps to prevent vapors reaching the lab. Supply lines fitted with sinkers to ensure the capillary draws from the base of the container	
G8495-60005	Internal standard container (5 L) kit for AVS 7 switching valve used with 5800/5900 ICP-OES, 1/pk	5 L polypropylene space saver container for internal standard. Fitted with safety caps to prevent vapors in the laboratory. Supply line fitted with sinker to ensure the capillary draws from the base of the container	
G8494-60007	Reagent uptake capillary tube 1.6 mm OD x 1.0 mm ID x 1400 mm long with heavy PTFE sinker, 1/pk	Supply line for rinse/internal standard supply to instrument, fitted with sinker to ensure the capillary draws from the base of the container	
5005-0445	Nebulizer connection kit, V-groove nebulizer to AVS switching valve, 1/pk	Required for use of V-groove nebulizer with AVS valve, sample line.	

ADS 2 Advanced Dilution System Workflow Supplies Recommendations (5800/5900 ICP-OES)

Part Number	Description	1st Purchasing Quantity Recommendation	Reasoning and Selling Points	Product Family	
5005-0474	Complete tubing kit for ADS 2 on ICP-OES	1	Complete tubing kit for ADS 2 on ICP-OES. Required to support routine operation of the ADS 2. Customers will periodically need to replace these component and should have extras on hand.	ICP-OES Instrument Supplies	
5299-0037	Syringe, 5mL, for ADS 2 carrier on ICP-OES	1	Syringe, 5mL, for ADS 2 carrier on ICP-OES. This part wears with use and should be inspected regularly. Customers will periodically need to replace this component and should have extras on hand.	ICP-OES Instrument Supplies	
5299-0038	Syringe, 10mL, for ADS 2 diluent on ICP-OES	1	Syringe, 10mL, for ADS 2 diluent on ICP-OES. This part wears with use and should be inspected regularly. Customers will periodically need to replace this component and should have extras on hand.	ICP-OES Instrument Supplies	
G8494-60002	Rotor seal for ADS 2 valves A and B, 1/pk	2	Standard rotor seal with the ADS 2 valves A and B. This part wears with use and should be inspected regularly. Customers will periodically need to replace this component and should have extras on hand.	ICP-OES Instrument Supplies	
G8495-60000 (ADS 2, same as AVS 7)	Spare valve, 7 port, for ADS 2 valves A and B, 1/pk	2	Replacement valve assembly for the ADS 2 valves A and B. This part wears with use and should be inspected regularly. Customers will periodically need to replace this component and should have extras on hand.	ICP-OES Instrument Supplies	
5005-0435	Diluent/Carrier bottle kit for ADS 2 and Autosampler (6L HDPE)	1	Additional 6L HDPE rinse/diluent bottle kit ensures a supply of clean diluent, rinse, or carrier solution for use with ICP-OES, ICP-MS, MP-AES and AAS instruments. Supplied with StaySafe cap, venting valve, and fittings.	ICP-OES General Supplies	
5043-1190	Venting (one way) valve with PTFE filter	2	Replacement interval 6 months.	LC Instrument Supplies	
5005-0437	Waste container kit, 10L with Stay Safe cap and filter	1	10L HDPE waste container kit provides a safe storage solution for acidic or organic-based waste generated during analysis using atomic spectroscopy instruments. Supplied with StaySafe cap, charcoal filter, and fittings.	ICP-OES General Supplies	
5043-1193	Acid vapor charcoal filter 58 g with six-month time strip	2	Replacement interval 6 months.	LC Instrument Supplies	

Learn more about the comprehensive range of single-element and multi-element inorganic standards for testing elemental impurities in all markets that includes instrument calibration and tuning mixes for ICP-MS, ICP-OES, MP-AES, AA, and IC instrumentation.

Consumables for your ICP-OES

For a complete list of consumables suitable for your ICP-OES, follow the links below–selecting your sample matrix. Internet connection and Agilent.com Order Center account registration required to access “Favorite Products Lists”.

ICP-OES aqueous supplies list

ICP-OES Inert (HF compatible) supplies list

ICP-OES semi-volatile organics supplies list

ICP-OES volatile organic solvents supplies list

ICP-OES high TDS supplies list

ICP-OES ketone-based solvent supplies list

Parts that may be needed before the end of the warranty period:

G8010-60228: Standard ICP-OES torch $986
G8010-60255: Nebulizer $1,235
3710034400: PVC tubing for samples $63
3710034600: PVC tubing for drain $63
G8494-60002: Rotor seal, quantity two $324
5005-0474: ADS 2 tubing kit $1,055

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Agilent 5800 and 5900 Typical Instrument Detection Limits

Typical instrument detection limit (IDL) performance of the Agilent 5800 and 5900 ICP-OES are presented for three instrument configurations: vertical dual view axial only (VDV-A), vertical dual view radial only VDV-R, and synchronous vertical dual view (SVDV).

The Instrument Detection Limit is most commonly defined as *'The concentration equivalent to the analyte signal which is equal to three times the standard deviation of a series of 10 replicate measurement of the calibration blank signal at the same wavelength'* (*1*).

With this widely accepted definition of the IDL, 3σ detection limits (µg/L) were calculated from the standard deviation of 10 replicate measurements of the calibration blank, using a 30 second per replicate measurement time for each element.

IDL=3xSD(10 replicates x 10 calibration blank)

The IDLs in Table 1 are an average, taken from measurements on five different instruments. The standard sample introduction system was used for all measurements. For the VDV-R measurement, a torch with a 1.4 mm injector is standard. For the other instrument configurations, a torch with a 1.8 mm injector is standard. All other sample introduction components are common across the different configurations.

Evidence has shown that detection limit performance of the Agilent 5800 and 5900 ICP-OES can be improved even further when using integration times of greater than 30 seconds per replicate.

Table 1. Typical IDLs (µg/L) achieved (n=5)

Element and Wavelength	VDV-A	VDV-R	SVDV
Ag 328.068	0.17	0.5	0.2
Al 167.019	0.09	0.5	0.4
As 188.980	1.1	5.0	1.4
Au 242.794	0.47	1.4	0.5
B 249.772	0.4	0.4	0.4
Ba 493.408	0.01	0.03	0.02
Be 313.042	0.01	0.01	0.01
Bi 223.061	1.2	7.3	1.5
Ca 393.366	0.014	0.02	0.02
Cd 214.439	0.06	0.3	0.067
Ce 418.659	0.63	1.9	0.7
Co 238.892	0.19	0.8	0.2
Cr 267.716	0.16	0.5	0.2
Cu 327.395	0.18	0.3	0.2
Dy 353.171	0.1	0.4	0.1
Er 349.910	0.1	0.3	0.2
Eu 420.504	0.04	0.09	0.04
Fe 238.204	0.09	0.4	0.1
Ga 417.204	0.7	3	0.8
Gd 342.246	0.2	0.4	0.4
Ge 265.117	0.9	5.6	1.1
Hf 264.141	0.45	1.4	0.45
Hg 184.887	0.3	0.9	0.5
Ho 345.600	0.2	0.6	0.2
In 230.606	2.7	10.4	3.2
Ir 224.268	0.5	2.5	0.5
K 766.491	0.4	2.5	9.8
La 379.477	0.2	0.5	0.2
Li 670.783	0.02	0.04	0.08
Lu 261.541	0.04	0.2	0.05
Mg 279.553	0.007	0.02	0.007
Mn 257.610	0.03	0.09	0.03
Mo 202.032	0.3	0.7	0.3
Na 589.592	0.1	0.4	0.7
Nb 313.078	0.2	0.9	0.2

Element and Wavelength	VDV-A	VDV-R	SVDV
Nd 401.224	0.5	1.4	0.5
Ni 231.604	0.36	1.2	0.4
Os 225.585	0.9	5.1	1.2
P 177.434	1.9	4.2	3
Pb 220.353	1.1	5.3	1.1
Pd 340.458	0.7	1.6	0.7
Pr 417.939	0.4	0.9	0.4
Pt 214.424	1.0	3.7	1.1
Rb 780.026	3	17	31
Re 221.427	0.5	2.4	0.6
Rh 343.488	0.7	1.8	0.7
Ru 267.876	0.7	2.2	0.7
S 180.669	2.6	5.2	5.7
Sb 217.582	1.5	4.7	1.6
Sc 361.383	0.04	0.08	0.04
Se 196.026	3.3	8.7	4.0
Si 251.611	0.8	2.5	0.8
Sm 359.259	0.2	0.5	0.3
Sn 189.925	0.7	3.3	0.7
Sr 407.771	0.004	0.01	0.004
Ta 268.517	0.8	2.8	0.8
Tb 350.914	0.3	0.8	0.3
Te 214.282	1.7	7.5	1.7
Th 283.730	0.8	4.7	0.9
Ti 334.941	0.05	0.2	0.06
Tl 190.794	1.1	4.9	1.4
Tm 313.125	0.09	0.4	0.12
U 385.957	1.7	3.7	2
V 309.310	0.07	0.4	0.1
W 207.912	0.9	4.5	1.0
Y 371.029	0.05	0.1	0.05
Yb 328.937	0.02	0.06	0.02
Zn 202.548	0.08	0.2	0.08
Zr 343.823	0.1	0.3	0.2

References

1. 40 CFR Appendix C to Part 136 - Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Emission Spectrometry Method 200.7

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COVERAGES **CERTIFICATE NUMBER:** SEA-004141371-01 **REVISION NUMBER:** 2

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC OTHER:			MWZY 318049	11/01/2024	11/01/2025	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ $ $ $ $ $	5,000,000 5,000,000 5,000 5,000,000 5,000,000 5,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY			MWTB 318048	11/01/2024	11/01/2025	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $	1,000,000
	UMBRELLA LIAB EXCESS LIAB DED RETENTION $						EACH OCCURRENCE AGGREGATE	$ $	
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N: N	N / A	MWC 314259-24	11/01/2024	11/01/2025	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $	5,000,000 5,000,000 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Policies include a waiver of subrogation where required by written contract and allowed by law.

CERTIFICATE HOLDER

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

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Marsh Risk & Insurance Services

Agilent Technologies, Inc.

Statements

July 29, 2025

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

Re: RFP-25-001

Billing
Agilent will meet the minimum requirements specified for 6.10 Billing.

Conflict of Interest
Agilent does not have a conflict of interest with the Project. Agilent shall exercise reasonable efforts to prevent any actions or conditions that could result in a conflict of interest and shall include, but is not limited to, establishing precautions to prevent its employees or agents from making, receiving, providing in, or offering gifts, entertainment, payments, loans, or other considerations which could be deemed to appear to influence individuals to act contrary to the best interest of the District. If a potential conflict of interest is identified in any form, Agilent shall inform the District immediately.

Equal Employment Opportunity and Affirmative Action Requirements
Agilent shall not discriminate in the employment of persons on the work because of race, religious creed, color, national origin, ancestry, physical handicap, medical condition, marital status, sexual preference or sex of such persons except as permitted by Section 12940 of the California Government Code.

Agilent Technologies, Inc.

Addenda
Acknowledgement Forms

END OF ADDENDUM

MANDATORY FORM

ACKNOWLEDGE RECEIPT OF ADDENDUM NO.1

REQUEST FOR PROPOSAL
Purchase One Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) System
(RFP-25-001)

7/17/2025

Proposer shall acknowledge receipt of this addendum by detaching, signing and attaching to his/her proposal, one (1) copy of this sheet.

I, Elaine Jones, Agilent Technologies, Inc.

Name of Proposer, Company Name

2850 Centerville Road Wilmington, DE 19808

Address, City, State, Zip

Hereby acknowledge receipt of Addendum No.1 to the **Request for Proposal Purchase One Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) System** and have considered these revisions in the preparation of my proposal. This addendum, consisting of this acknowledgement, shall become a part of any contract made pursuant thereto.

Elaine Jones

Proposer's Signature

Elaine Jones

Printed Proposer's Name

7/24/2025

Date

END OF ADDENDUM

MANDATORY FORM

ACKNOWLEDGE RECEIPT OF ADDENDUM NO.2

REQUEST FOR PROPOSAL
Purchase One Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) System
(RFP-25-001)

7/23/2025

Proposer shall acknowledge receipt of this addendum by detaching, signing and attaching to his/her proposal, one (1) copy of this sheet.

I, Elaine Jones Agilent Technolgies, Inc.

Name of Proposer, Company Name

2850 Centerville Road Wilmington, DE 19808

Address, City, State, Zip

Hereby acknowledge receipt of Addendum No.2 to the **Request for Proposal Purchase One Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) System** and have considered these revisions in the preparation of my proposal. This addendum, consisting of this acknowledgement, shall become a part of any contract made pursuant thereto.

Elaine Jones

Proposer's Signature

Elaine Jones

Printed Proposer's Name

7/24/2025

Date

END OF ADDENDUM

MANDATORY FORM

ACKNOWLEDGE RECEIPT OF ADDENDUM NO.3

REQUEST FOR PROPOSAL
Purchase One Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) System
(RFP-25-001)

7/28/2025

Proposer shall acknowledge receipt of this addendum by detaching, signing and attaching to his/her proposal, one (1) copy of this sheet.

I, Elaine Jones, Agilent Technologies, Inc.

Name of Proposer, Company Name

2850 Centerville Road Wilmington, DE 19808

Address, City, State, Zip

Hereby acknowledge receipt of Addendum No.3 to the **Request for Proposal Purchase One Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) System** and have considered these revisions in the preparation of my proposal. This addendum, consisting of this acknowledgement, shall become a part of any contract made pursuant thereto.

Elaine Jones

Proposer's Signature

Elaine Jones

Printed Proposer's Name

7/29/2025

Date

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: R. Bouley/L. Esguerra

Budgeted: Yes
Budgeted Amount: $2,500,000
Cost Estimate: $3,070,000
Funding Source: Paygo
Program/ Line Item No. C23006
General Counsel Approval: Yes
Engineers/Feasibility Report: Completed
CEQA Compliance: Cat. Ex.

Subject: REJECT BID PROTEST AND AWARD CONTRACT NO. GSWC-2024-1 SHERRILL WELL PFAS WATER TREATMENT PLANT TO RE CHAFFEE CONSTRUCTION INC AND BUDGET INCREASE

SUMMARY

A total of nine construction bids were received on June 26, 2025 for the Golden State Water Company Sherrill Well PFAS Water Treatment Plant Project, Contract No. GSWC-2024-1. Based on a review of bids received, staff recommends awarding a contract to RE Chaffee Construction Inc. as the responsible bidder submitting the lowest responsive bid, in the amount of $1,981,000.00. Staff also recommends increasing the project budget to $3,070,000.

Attachments:

- Affidavit of Publication for Notice Inviting Bids for Contract GSWC-2024-1
- Cora Constructors Inc.'s Bid Protest for Golden State Water Company Sherrill Well PFAS Water Treatment Plant dated July 14, 2025
- RE Chaffee Construction Inc.'s Formal Response to Cora Construction Inc.'s Bid Protest dated July 15, 2025

RECOMMENDATION

Agendize for August 20 Board Meeting:

1. Receive and file Affidavit of Publication of Notice Inviting Bids for Contract GSWC-2024-1 Sherrill Well PFAS Water Treatment Project;
2. Ratify issuance of Addenda 1 and 2.
3. Reject the bid protest of Cora Constructors Inc. (Cora) and accept bid and authorize award of Contract GSWC-2024-1 to the lowest responsive bid and responsible bidder, RE Chaffee Construction, Inc. (RE Chaffee), in the amount of $1,981,000.00; and
4. Increase project budget by $570,000 for a total project budget in the amount of $3,070,000.

BACKGROUND/ANALYSIS

Design of the Sherrill Well PFAS water treatment plant began in August 2023 by Tetra Tech. The existing well will be equipped with a new pump, motor, and electrical to maintain the well's existing pumping capacity prior to installation of the PFAS treatment system. Due to

site constraints and 500 gallon per minute production rate, four Ion Exchange (IX) treatment 5-foot in diameter and 8-foot tall vessels will be installed.

The bid advertisement period commenced May 22, 2025, and spanned 35 calendar days. Addendum No. 1 was issued June 16, 2025, to provide revised specifications and responses to potential bidder's questions. Addendum No. 2 was issued June 18, 2025, to revise the Bid Opening date and to provide revised specifications. Nine construction bids were received on June 26, 2025, for contract GSWC-2024-1.

A summary of the nine bids is shown below in Table 1.

Table 1: Sherrill Well PFAS Water Treatment Project
Construction Bid Summary

Contractor	Bid Price
RE Chaffee Construction Inc.	$ 1,981,000
Cora Constructors	$ 2,123,000
RC Foster	$ 2,227,700
MMC	$ 2,290,000
Pyramid Building & Engineering, Inc.	$ 2,305,000
Vicon Enterprise	$ 2,375,000
Covenant Technical Solutions	$ 2,399,875
SCW Contracting Corp.	$ 2,437,500
Pacific Hydrotech	$ 2,464,700

On July 14, 2025 Staff received a formal Bid Protest from Cora Constructors Inc. (Cora) (attached) of the apparent low bidder, RE Chaffee, not meeting the minimum experience requirements stipulated in the Request For Bid. On July 15, 2025 Staff received a formal response from RE Chaffee to the protest and provided additional project references. Staff checked the additional references and confirmed RE Chaffee meets the minimum experience requirements. Staff confirmed with counsel the OCWD Board may waive the defects in RE Chaffee's bid, which is staff's recommended course of action.

Staff reviewed the bid of RE Chaffee, checked references, and confirmed that its contractor's license is current, active, and in good standing with the State of California. Staff recommends awarding the construction contract to RE Chaffee as the lowest responsive bidder that submitted a responsive bid in the amount of $1,981,000. Additionally, staff recommends increasing the project budget as summarized on Table 2.

Table 2: Sherrill Well PFAS Water Treatment Plant Project
Budget Summary

Description	Budget
Design, Construction Management, Permitting	
Design (Tetra Tech)	$ 245,000
Construction Management (Tetra Tech)	$ 346,458
Bid Advertisement and Permitting	$ 20,000
Design, Construction Management, Permitting Sub-Toal	$ 611,458
Construction	
Contract (RE Chaffee)	$ 1,981,000
Treatment Vessels and resin (Evoqua)	$ 376,350
Construction Sub-Total	$ 2,357,350
Project Contingency	$ 101,192
Total Project Budget:	$ 3,070,000

The expected project schedule is shown below in Table 3

Table 3: GSWC Sherrill Well PFAS Water Treatment Plant Schedule Summary

Description	Dates
GSWC Sherrill Well	
Design	August 2023 – February 2025
DDW Permitting	October 2024 – December 2026
Construction Contract	September 2025 – January 2027

PRIOR RELEVANT BOARD ACTIONS

08/17/24, R24-7-84: Authorize filing of categorical exemption for Golden State Water Company Sherrill Well PFAS Water Treatment Plant Project and publication of Notice Inviting Bids for Contract No. GSWC-2024-1.

08/16/23, R23-8-102: Authorize issuance of Amendment No. 6 to Agreement No. 1423 with Evoqua for vessel systems for Golden State Water Company's Sherrill Well, for an amount not to exceed $376,350; and establishing a total project budget of $2,500,000.

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

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

Account Number:	5179533
Ad Order Number:	0011736725
Customer's Reference/PO Number:	
Publication:	The Orange County Register
Publication Dates:	05/22/2025
Total Amount:	$1009.42
Payment Amount:	$0.00
Amount Due:	$1009.42
Notice ID:	dFFNJEHLwb3PPKCu2vST
Invoice Text:	

THE ORANGE COUNTY
REGISTER
The Orange County Register
1920 Main Street, Suite 209
Irvine, California 92614
(714) 796-7000

0011736725

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

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

STATE OF CALIFORNIA
County of Orange

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

05/22/2025

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

Dated at Irvine, California

On this 22nd day of May, 2025.

Sandra Campos
Signature

NOTICE INVITING BIDS
GOLDEN STATE WATER COMPANY SHERRILL WELL PFAS WATER TREATMENT PLANT
CONTRACT NO. GSWC-2024-1

PLEASE TAKE NOTICE that sealed bids will be received at the office of the Contracts Administrator of the Orange County Water District ("District"), 18700 Ward Street, Fountain Valley, CA 92708 (mailing address: P.O. Box 8300, Fountain Valley, CA 92728-8300), until 2:00 PM PT, local time on June 25, 2025 at which time the bids will be publicly opened and read aloud for performing all work and furnishing all labor, materials and equipment for:

The Golden State Water Company Sherrill Well PFAS Treatment Plant project generally consists of the following major components. The Contractor is required to demonstrate its experience of successfully completing construction of two separate pressurized water treatment projects within the past 10 years such as, but not limited to, granular activated carbon, ion exchange, surge tanks, membrane filtration, and/or pressurized filtration.

1. Take delivery and install District furnished Pressure Vessel systems, Bag Filter, and Ion Exchange resin media at the Water Treatment Plant including pressure testing, disinfection, and bacteria testing.
2. Furnish and install or construct well pump and piping, air gap, grading, paving, concrete, piping, driveway, wall and fence improvements, etc. for the PFAS Water Treatment Plant.
3. Electrical and Instrumentation: Electrical equipment and facilities, and instrumentation equipment and facilities at the new water treatment plant. Instrumentation and control systems shall be integrated with the existing SCADA system.
4. Provide all commissioning and start-up services.

NON-MANDATORY PREBID CONFERENCE: A pre-bid conference will be held at the project site, 8860 Pacific Avenue, Stanton, CA 92804 on June 4, 2025, at 10:00 AM PT. All potential bidders, contractors and other interested parties are required to attend this conference conducted by the District and Engineer. Any potential bidder that does not attend the pre-bid conference will be charged with knowledge of all information that was available at the pre-bid conference.

PROJECT ADMINISTRATION: All questions regarding the Bid must be submitted in writing before the deadline due date of Monday, June 9, 2025, at 12:00 PM PT. Questions received after the questions due date may not be considered. All questions relative to this project prior to the opening of bids shall be directed, in writing, to OCWD:

ORANGE COUNTY WATER DISTRICT
18700 Ward Street
Fountain Valley, CA 92708

Mailing Address:
P.O. Box 8300
Fountain Valley, CA 92728-8300

Attention: Laurence Esguerra P.E., Project Manager
Telephone: (714) 378-3330
Email: procurement@ocwd.com

COMPLETION OF WORK AND LIQUIDATED DAMAGES: All Work must be substantially completed within Three Hundred Forty (340) consecutive calendar days from the date of the Notice to Proceed issued by the District. Failure to complete the Work within the time set forth herein will result in the imposition of liquidated damages for each day of delay, in the amount set forth in the Information for Bidders.

OBTAINING CONTRACT DOCUMENTS: Plans and specifications and all contract documents must be purchased through HB Digital at www.ocwdplanroom.com. Payment will not be refunded and the plans and specifications and contract documents are not required to be returned.

BID GUARANTEE: Each Bid shall be accompanied by one of the following: a certified or cashier's check, or bid bond in an amount not less than ten percent (10%) of the total bid price, payable to the Orange County Water District, as a guarantee that the Bidder, if its Bid is accepted, shall promptly execute the Agreement, furnish a satisfactory Faithful Performance Bond in an amount not less than one hundred percent (100%) of the total bid price, furnish a Labor and Material Bond in an amount not less than one hundred percent (100%) of the total bid price, and furnish certificates evidencing that the required insurance is in effect in the amounts set forth in the Insurance Conditions. The Faithful Performance Bond shall remain in full force and effect through the guarantee period as specified in the General Provisions. All surety companies shall be admitted surety insurers and shall comply with the provisions of Code of Civil Procedure Section 995.630.

DISTRICT'S RIGHTS RESERVED: The Orange County Water District reserves the right to reject any or all bids, and to waive any informality in any bid.

Dated: May 19, 2025

ORANGE COUNTY WATER DISTRICT
By: John C. Kennedy, General Manager

The Orange County Register
Published: 5/22/25

Cora Constructors Inc

Lic.# 766304- A & B

7/14/2025

Orange County Water District
Laurence Esguerra
procurement@ocwd.com
Renee Patterson
rpatterson@ocwd.com

Re: Golden State Water Company Sherrill Well PFAS Water Treatment Plant

Subject: Bid Protest – RE Chaffee Construction Inc.

Dear Ms.,

Cora Constructors Inc. is writing to formally protest the bid proposal of RE Chaffee Construction Inc. for the above named project.

To the best of our knowledge, RE Chaffee Construction Inc. did not meet the experience requirements listed in Specification Section Special Provisions 100.A. Contract documents asked for 2 similar pressurized water treatment projects that were completed within the last 10 years but not limited to GAC, ion exchange, surge tanks, membrane filtration and/or pressurized filtration. Per the reference list RE Chaffee Construction Inc supplied, we believe they do not meet this requirement therefore their bid should be deemed non-valid.

For the reason listed above, Cora Constructors Inc. should be deemed lowest responsive bidder.

If you have any questions, please contact me at (760) 399-6427.

Sincerely,

CORA CONSTRUCTORS INC.

Emir Kocaballi

Emir Kocaballi
General Manager

75140 ST. CHARLES PLACE, STE. A
PALM DESERT, CA 92211
PH. (760) 674-3201 / FAX (760) 674-8648

7-15-2025

RE: Cora Constructors Inc- Bid Protest
Subject: RE Chaffee Construction Inc- Formal Response

Laurence,
Please review the following references:
1) Joe Tapia- Sheep Creek Water District- 760-559-7959- Tank 7 Source, GAC Filtration System
2) Shane Bloomfield- Webb and Associates- 760-636-3899- Imperial GAC
Feel free to call with any questions, Thanks!

Ronnie Chaffee
RE Chaffee Construction Inc
(760) 403-5456

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: John Kennedy

Budgeted: Yes
Budgeted Amount: $50,000
Cost Estimate: $60,000
Funding Source: General Fund
Program/Line Item No: 1010.53001
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: BOOKY OREN GLOBAL WATER TECHNOLOGIES PROFESSIONAL SERVICES AGREEMENT

SUMMARY

The District has worked with Booky Oren Global Water Technologies (BOGWT) since 2020 to explore and assist in making operational improvements. BOGWT has relationships with water utilities around the world and facilitates meetings where the District can learn about new ideas and technologies. Mr. Oren has been invited to make a presentation to the Committee. The existing agreement with BOGWT expires on November 1, 2025.

Attachments:

- Booky Oren Global Water Technologies (BOGWT) Ltd. Proposal for Collaboration with the Orange County Water District dated July 24, 2025.
- Presentation material

RECOMMENDATION

Agendize for August 20 Board meeting: Authorize issuance of Agreement to Booky Oren Global Water Technologies (BOGWT) Ltd. in an amount not to exceed $60,000.

BACKGROUND/ANALYSIS

The District has a large and complex operational system where any small changes in efficiency can result in substantial cost savings. In general, it is good practice to routinely examine the operations of other water agencies to ensure the District is utilizing the best available practices and technology in managing the groundwater basin.

Mr. Booky Oren is the former Executive Chairman of Mekorot, Israel's National Water Company, and is recognized as a global leader in the water industry. Mr. Oren has developed a program which attempts to identify strengths and weaknesses of organizations, makes comparisons with other organizations and then distills the information and commonalities to come up with potential solutions that would improve operational efficiencies.

The BOGWT program – known as “Knowledge to implementation” (K2i) also involves putting together agencies from around the world to share experiences on common areas of interest. These meetings are recorded and placed inside a shared portal along with any handouts for retrieval by BOGWT clients. BOGWT is very familiar with the District’s operations. In BOGWT’s worldwide travels, if they identify improvements to Reverse Osmosis, PFAS removal technologies, or better ways to recharge water, they will notify the District.

The District has been involved in virtual meetings with Mekorot, Singapore PUB, Aigues de Barcelona, Southern Nevada Water Authority, Tucson Water, Sydney Water (Australia), Berlin Water (Germany), and Vitens (Netherlands). The discussions centered on cybersecurity, groundwater recharge management, emerging contaminant treatment technologies (PFAS), advanced laboratory capabilities, increased RO recovery, building information modeling, and improvements in predictive maintenance. Contacts have been made in these meetings with experts in various fields around the world.

Through multiple meetings with the Vitens (the largest water utility in the Netherlands), District staff have gained a better understanding of European Union (EU) approaches to groundwater management, testing for PFAS in water, and assessing the human health risks from PFAS exposure. These are not only informing EU regulations but also those under development in California. A Vitens staff member with expertise in EU risk assessment joined our research team as a technical advisor for a successful OCWD grant proposal to the Water Research Foundation (WRF), which will support the next phase of PFAS treatment pilot testing and evaluate new testing methods currently being considered by the state of California for future regulations.

With this process the District has identified and had initial discussions with a vendor that has been used by Singapore PUB to provide analytics and artificial intelligence to monitor their NEWater reverse osmosis systems. The District has previously trialed similar software for the GWRS reverse osmosis process in an effort to help optimize this process.

Participants in the current BOGWT program include OCWD, Singapore PUB, Metropolitan Water District of Southern California, Tucson Water, the Chicago Department of Water Management, NYC DEP, DC Water, Tampa Bay Water, Vitens (Netherlands), EYDAP (Greece), Mekorot (Israel) and others.

The District has participated in the program and as a part of the process identified the following challenges that currently exist:

- Emerging contaminant and advanced lab capabilities
- Increasing reverse osmosis (RO) recovery
- Extending the life of RO and MF membranes
- The District spends approximately $43 million annually on power and chemicals and is looking for efficiencies to reduce these costs
- Predictive maintenance for equipment
- Newer treatment technologies for PFAS

- Considering subsidence concerns as the District considers increasing the basin's overdraft range
- Improving recharge efficiencies
- Use of Artificial Intelligence
- Cybersecurity
- Research & Development opportunities related to above or other topics

Staff believe that participation in this program is valuable and has the potential to identify solutions that in turn will lead to cost savings on our future operating systems associated with GWRS facility. Additionally, BOGWT is the District's biggest marketer/promoter as it spreads the successes of OCWD around the world and contributes to the District's national and global presence.

The BOGWT proposal is attached and provides the details of the offered service. Staff refined its participation in this program in FY2024-25 which led to reducing the contract with BOGWT from $90,000 to $60,000.

PRIOR RELEVANT BOARD ACTIONS

10/16/24, R24-10-125: Authorize issuance of an Agreement to Booky Oren Global Water Technologies Ltd. in an amount not to exceed $60,000.

10/18/23, R23-10-136: Authorize issuance of an Agreement to Booky Oren Global Water Technologies Ltd. in an amount not to exceed $90,000.

09/21/22, R22-9-131: Authorize issuance of an Agreement to Booky Oren Global Water Technologies Ltd. in an amount not to exceed $90,000.

11/17/21, R21-11-166: Authorize issuance of an Agreement to Booky Oren Global Water Technologies Ltd. in an amount not to exceed $90,000.

11/18/20, R20-11-156: Authorize issuance of an Agreement to Booky Oren Global Water Technologies Ltd. in an amount not to exceed $90,000.

03/18/20, R20-3-36: Authorize issuance of an Agreement to Booky Oren Global Water Technologies Ltd. in an amount not to exceed $68,000.

July 24, 2025

To: John Kennedy, P.E.

General Manager

Orange County Water District

Subject: Knowledge to Implementation (K2i) Platform Service Proposal for continued collaboration with the Orange County Water District (OCWD)

Dear John,

Following our recent discussions, BOGWT is happy to present the following proposal, whose scope was crafted specifically for OCWD. The proposal includes the following:

1. **General**
2. **Activities and Milestones**
3. **Budget & Payment Terms**
4. **Appendix:** K2i Differentiation Points

1. General

The K2i Platform was initiated to supply a viable and efficient mechanism to create global knowledge exchanges within the Water and Wastewater sector. The platform initiates, fosters, and facilitates working relationships and knowledge exchanges between Global Industry Leaders, while creating maximum access to knowledge from all member interactions. The K2i is driven by its members' challenges and interests and is isolated from commercial influences, vendors, and consulting engineers. The platforms' unique characteristics and differentiation points are defined in Appendix 1.

2. Activities and Milestones

The following activities are available continuously to OCWD throughout the engagement. The activities will be structured around specific challenges defined by OCWD to be addressed via knowledge exchanges with peer utilities while utilizing all available K2i services. The baseline activities include:

#	Activities	Executed by:	Estimated Completion Date:
1	***Collecting, defining, and approving OCWD's Challenge statements and inputs*** - *BOGWT will collect Information provided by OCWD related to the challenges and analyze the inputs regarding the challenges. OCWD previously mentioned topics: PFAS, Land Subsidence and Predictive Maintenance.* - *Creating a "challenge definition document" that includes the summary of the challenges in a one to two-page document.* - *Confirm OCWD's challenges as a baseline for the K2i meetings* - *Creating a "K2i Materials" document that contains information from the Portal about the challenge* *The confirmed "challenge definition document " will be the baseline for K2i meetings with the peer agencies.* ***There will be no limit to the number of challenges defined****, and OCWD's Services willhave complete control over the volume and rate of work to be done on each.*	*BOGWT*	*Continuous*
2	***Unlimited Access and Use of the Knowledge to Implementation Digital Portal*** *The portal contains all recorded and shared materials exchanged by global leading utilities as part of K2i interactions, facilitated by BOGWT, and is continuously updated with new recordings as K2i members exchange knowledge. Currently, it contains 340 presentations generated from utilities.* ***AI Assistant*** *– The AI is trained solely on knowledge shared by utilities via the K2i, allowing the effective identification of useful and unbiased information on a global scale.* ***Additional New Digital Services,*** *such as* ***Deep Research,*** *which increases the searching capabilities.*	*BOGWT*	*Continuous*
3	***K2i-UP (Utility Page)*** *BOGWT provides a dedicated area for OCWD, which presents all relevant information generated via the K2i network, based on OCWD challenges and all other activities related to OCWD's involvement in the K2i platform.*	*BOGWT*	*Continuous*
4	***K2i Training (K2i T) -*** *Training sessions aimed at creating awareness and familiarity with the K2i toolbox that is available for all utility staff.* *BOGWT will hold training sessions on demand for different groups of the utility's staff, including real-time demonstrations and AI-supported searches, tailor-made for each group.* ***There is no limit to training sessions***	*BOGWT*	*Continuous & On Demand*
5	***Knowledge Exchange with peer utilities*** *in which OCWD will receive and/or share knowledge. BOGWT will prepare and facilitate all interactions. OCWD will have complete control over the volume (Number of K2i Meetings) and timing of knowledge exchanges.*	*OCWD & BOGWT*	*Continuous*

6	***Analysis for all K2i Interactions –*** *Detailed analysis of all topics discussed throughout the K2i meeting to identify topics for further discussion, mutual opportunities for collaboration, and knowledge gaps that require further exchange* *Results are shared with both participating agencies for feedback and discussion. Mutual points of interest / additional topics, and additional activities are identified*	*BOGWT*	*Continuous*
7	***K2i Materials*** *– Accumulated knowledge on specific challenges. Documents are prepared according to the identification of K2i member challenges.* *Examples of current documents: AI use in a water utility, GIS and Infrastructure Management, Digital twin, PFAS treatment options, and Water Resources Management.*	*BOGWT*	*Continuous*
8	***K2i Notification System*** *- The new K2i notification system enhances the ability to address challenges. Whenever a new knowledge item is uploaded to the K2i platform, it is reviewed by the K2i AI and compared with the utility's active challenges. If relevant - BOGWT then contacts OCWD and sends them new information regarding their challenge*	*BOGWT*	*Continuous*
9	***K2i + -*** *BOGWT will provide, upon OCWD's request K2i+ meeting: insights on key topics from the K2i meetings.*	*BOGWT*	*Continuous & On Demand*
10	***Ongoing Monitoring on Progress and Process –*** *BOGWT provides OCWD with progress reports that address each and all topics being addressed through this engagement, requests, and needs from fellow K2i platform members, and allow identification of new topics to be addressed by BOGWT and the K2i Platform.*	*OCWD & BOGWT*	*quarterly*
11	***K2iU*** *– participation in the annual K2iU hybrid event.* *Engage with global water utility leaders sharing insights on key challenges at a one-of-a-kind hybrid event featuring participating utilities as part of the K2i process for global knowledge accessibility.* *The K2iU-24 took place in Singapore* *The K2iU-25 will take place in Chicago* *All sessions are recorded and become part of the ever-growing knowledge base available on the K2i portal, with access granted to all K2i utilities staff.*		*Annual*

3. Budget & Payment Terms

The annual budget for a 12-month engagement will be in the amount of US $60,000.

BOGWT will submit 12 monthly invoices to OCWD, each for the amount of US$5,000, dated to the last day of every month of engagement. Invoices shall be paid within 15 days.

Should you have questions regarding our proposal described above, please share them with us.

We look forward to a fruitful collaboration between our parties.

Kind regards,

Booky Oren

Chairman & CEO | Booky Oren Global Water Technologies Ltd.

4. **Appendix: K2i Differentiation Points**

The following points present the uniqueness of the service provided by Booky Oren Global Water Technologies (BOGWT) via the Knowledge to Implementation (K2i) platform and have been used by members to support the procurement process with BOGWT.

1) **Platform Members:** The K2i Platform is open exclusively to global leading utilities that hold proven knowledge and best-in-class practices and approaches.
2) **Global Reach:** The platform facilitates connections and collaboration that is not dependent on geography but on the relevance of the knowledge held by each agency.
3) **Exclusively Peer-to-Peer Interactions:** The platform supports connections between water and wastewater agencies alone.
4) **Agnostic to Technology firms, Vendors, and consulting engineering firms:** The platform excludes companies with commercial interests, allowing agencies to "come to tell, not to sell."
5) **Challenge-Driven Process:** All knowledge exchanges are driven by challenges and needs defined by platform members.
6) **Operational Logic:** The platform is guided by utilities preference of proven solutions to their challenges, with an emphasis on technologies implemented at trusted peer agencies.
7) **Preparation, Facilitation, and Analysis of K2i Interactions:** The BOGWT team provides support at all stages in the preparation and execution of K2i interaction, including follow-up and analysis of knowledge exchanges, thus saving the utility staff time and allowing efficient exchanges towards improvement.
8) **"Knowledge" base:** All K2i interactions are analyzed, documented, and prepared for future use by joining or existing members. Thus, a joining agency not only has access to future interactions between members but to the entire inventory of interactions and best practices existing in the K2i via the K2i Digital Portal.
9) **Participants:** The K2i works with utility staff by driving Top-Down and Bottom-Up processes simultaneously. This allows leadership to steer the process, while information and knowledge are shared with the right team members to drive implementation and use of the data.
10) **K2i Digital Portal:** The K2i Digital Portal allows instant access to all knowledge amassed across the K2i Platform, including videos, materials, technology experiences, etc. The portal is open widely to all staff at member utilities and allows interaction with owners of Best Practices at member utilities. The portal currently holds over 240 presentations and grows continuously with new presentations added monthly.
11) **Multi-Layered K2i Ai Assistant:** The Ai Assistant is unique in the fact that it is trained solely on information shared by K2i member agencies, thus allowing effective access to a global perspective on topics discussed by utilities, without doubt of commercial interests. Additionally, the Ai assistant is built to reference and search different dimensions of the database to continuously serve the user with the most relevant knowledge to the search. The Ai assistant is available to all member agencies and their employees.
12) **K2i Utility Page (UP):** Under Development – Expected Q4 2024 The customized, Ai-assisted interactive page built specially and uniquely for each K2i member, allowing Ai analysis and

knowledge retrieval across projects, challenges or topics chosen by the utility. K2i-UP allows. BOGWT account managers to provide immediate access to new materials as they are added to the portal.

13) **K2i Knowledge Conservation (KC):** The platform works with stakeholders within the Utility to document experience and knowledge held by retiring staff members, through a series of structured interviews. BOGWT then uses the K2i tools (Ai, analysis, etc.) to create an easily accessible knowledge conservation library for the agency's use.
14) **Staff Development and Training:** The K2i provides the opportunity to present and discuss issues and achievements with peers from around the globe.
15) **Platform Members promote the Platform:** The K2i is promoted by its members as they realize the potential of an international and cross-sectorial platform that is free of commercial interests.

OCWD Activities Within The K2i Platform 2020 - 2025

Water Issues Committee – 08.13.25

www.k2iplatform.com

The Knowledge to Implementation Platform –

K2i Utilities Global Knowledge Exchange Network

Since 2020, Over 240 Knowledge Exchanges have been performed between global water utilities

Many more to come...

K2i Knowledge to implementation

Digital Knowledge Portal, Ai Assisted Knowledge Review

Over 340 Presentations by K2i members and other leading utilities from around the Globe

K2i Materials

Groundwater - recharge

July 2025

This document was developed by Booky Oren Global Water Technologies as part of the K2i Portal, a global knowledge-sharing platform for water and wastewater utilities. It features case studies and lessons learned from our international network. The K2i portal is a closed database—its content is drawn solely from the experience of leading global utilities. Reference links lead to meeting pages where you can listen to the discussions. Staff from any K2i member utility can log in using their utility email, and similar documents can be created upon request for other challenges or topics.

Who can I contact with further questions?

info@bookyoren.com

Executive Summary:

This document presents groundwater recharge practices and challenges from diverse utilities including Vitens from the Netherlands, BWB from Germany, Mekorot from Israel, SNWA from Nevada and Tucson, Arizona. It highlights operational strategies to overcome recharge capacity decline, advanced monitoring technologies like temperature sensing and fiber optics, and integrated modeling approaches supporting sustainable aquifer management. The report also explores regulatory frameworks and community engagement essential for successful recharge projects amid growing water demand and environmental constraints.

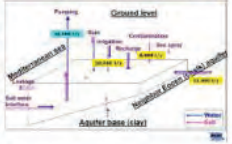
Index of Key Topics Covered:

1. Used case – Mekorot

Mekorot operates recharge basins receiving highly treated secondary effluent from wastewater treatment plants, which undergoes natural soil aquifer treatment resulting in nearly drinking-quality water. The main challenge stemmed from a significant decline in recharge capacity due to physical and biological clogging of recharge basins, limiting the ability to absorb increasing volumes of effluent and forcing temporary discharge of treated water to the sea—wasting valuable water and threatening environmental harm.

To address this, Mekorot's multidisciplinary team implemented a range of corrective measures, prioritizing easy-to-apply solutions such as modifying the recharge regime by introducing drying periods between flooding cycles to promote oxidation of organic clogging layers, thereby improving infiltration rates significantly. They also changed field management tools and equipment to minimize soil compaction and used online hydrological monitoring tools to optimize operations. These interventions nearly doubled infiltration rates within a year, restored recharge capacity to former levels (around 140 million cubic meters per year), and minimized discharges to the sea. Regulatory coordination was critical, as temporary permissions were needed to discharge surplus effluent during the adjustment period.

Water and salt balance of the costal aquifer



Mekorot implement a holistic management of the coastal aquifer, a vital water source for Israel facing deterioration due to over-pumping, salinization from natural salt-rich geologic formations on the eastern boundary, seawater intrusion, and anthropogenic impacts. Mekorot employs an integrated approach combining reduced pumping in vulnerable zones, selective extraction from higher quality water areas, and brackish water desalination to remove salts and stabilize groundwater balance. Unlike practices in California or Orange County, Israel does not currently permit indirect or direct potable reuse; their highly treated reclaimed water and advanced purification technologies are strictly used for irrigation. The discussion with Mekorot highlighted the complexities and multidisciplinary nature of recharge management and aquifer rehabilitation under severe water scarcity and urban pressure conditions, offering practical lessons and approaches potentially relevant to other regions facing recharge and groundwater quality challenges.

Recharge issues and rehabilitation of aquifer

2. What operational and technical strategies do agencies employ to maintain or improve groundwater recharge efficiency and address infrastructure challenges?

Agencies manage recharge efficiency by addressing physical and biological barriers to infiltration, adopting operational practices, and investing in infrastructure maintenance. For example, SNWA emphasizes seasonal adjustment of recharge—varying injection volumes to balance aquifer water levels and prevent seawater intrusion or flooding. They complement

recharge with extensive maintenance programs, including mechanical cleaning, and use hydrological monitoring to inform these decisions [1].

Vitens extensively uses temperature sensing methods, including fiber optic Distributed Temperature Sensing (DTS), to monitor infiltration rates and detect clogging in recharge basins and wells. Operationally, they implement backflushing and employ optimized drilling and well development methods to reduce filtrate clogging and maintain hydraulic conductivity [2][3].

BWB Germany operates recharge via bank filtration and managed aquifer recharge with secondary-treated effluent, using pretreatment steps (such as phosphate removal and planned ozonation) to maintain water and ecosystem quality. They maintain recharge basins through seasonal sediment removal and target biological clogging control, balancing recharge with contaminant management needs [4].

Across these agencies, strategies focus on continuous monitoring (hydrological, temperature, and water quality), adaptive recharge regime management (e.g., drying cycles between flooding), well rehabilitation, and the integration of advanced sensing to sustain recharge performance in varying hydrogeological and climatic contexts.

[1] Groundwater Long-Term Planning
[2] Groundwater modeling
[3] Groundwater reserves management
[4] Groundwater management

3. How do sophisticated monitoring and modeling tools support recharge management and sustainable groundwater use across different regions?

Groundwater recharge management relies heavily on dense monitoring networks and advanced modeling tools to understand aquifer dynamics and inform operational decisions. SNWA operates a network of production and injection wells linked to precipitation and stream gauges, using conceptual and numerical groundwater models (such as ModFlow and 3D block models) to optimize recharge and pumping regimes for sustainability [1].

Vitens uses geophysical surveys and innovative temperature profiling techniques—including manual temperature probes and fiber optic DTS—to analyze infiltration rates and soil hydraulic properties. These data improve the calibration of groundwater flow models and computational fluid dynamics (CFD) simulations, thereby enhancing predictions of recharge effectiveness and clogging susceptibilities [2][3].

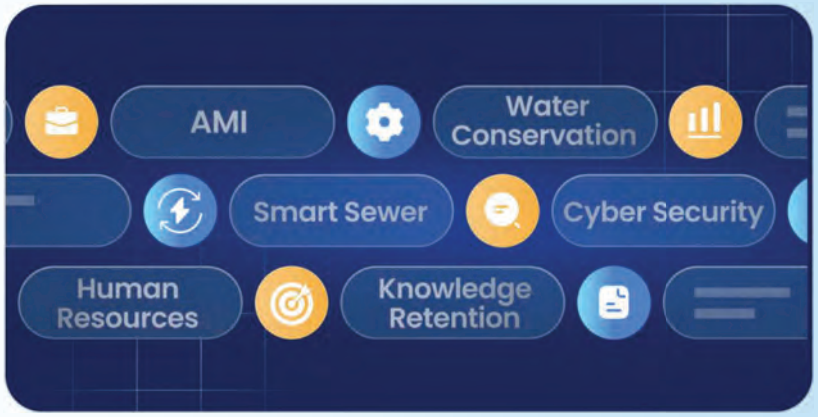
BWB Germany applies 3D groundwater flow and transport models calibrated with extensive hydrogeological data, utilizing reactive transport modeling for contaminants like PFAS to guide both quantity and quality management [4]. They operate multiple overlapping models for different aquifers, combining precipitation inputs and

Apply the Global Knowledge-Sharing Approach

1

Domain Of Interest

Identify the relevant area of concern to explore further.



2

Executive Summary

Highlighting core K2i's findings and relevance to the domain of interest

3

In-Depth K2i Document Review

Utility examine a structure short document to better understand the context and technical depth of the domain.

Question?

Key insights from the meeting or document. [1]

Key insights from the meeting or document. [2]

Key insights from the meeting or document. [3]

[1] Name of meeting or document
[2] Name of meeting or document
[3] Name of meeting or document

K2i Knowledge to implementation

Apply the Global Knowledge-Sharing Approach

4

K2i Portal Content Review

Utility members upon specific interest interact with content from the K2i portal, such as videos or documents to validate alignment & spark ideas.

5

Follow-Up & Feedback

For any open questions, The K2i **account manager** will be available to support.

6

K2i Meeting Facilitation

In case a specific knowledge gap is identified, K2i will facilitate knowledge sharing with relevant peer agencies.

7

K2i Notification

An ongoing search within the utility's domain of interest is informed by **new** K2i materials.

K2i Knowledge to implementation

Highlights of OCWD within the k2i platform – 2020-2025 (1/3)

Over 30 K2i meetings

- With **12** different utilities
- From **7** countries and **4** U.S states – Israel, Singapore, Italy, Australia, Germany, Spain, Netherlands, U.S.A (Arizona, California, Nevada, Wisconsin)
- On multiple subjects such as - PFAS, Groundwater management, Technological solutions, Drought preparedness, Asset management, Predictive maintenance, Land subsidence, cyber security

Workshops & F2F meetings

- Facilitation of workshop on OCWD with PUB (2022) LA Sanitation (2023)
- 3 face to face workshops with BOGWT in OCWD

Introduction with over 20 Technologies

- Over the years, BOGWT introduced to OCWD variety of vendors and technologies
- For example – Atlatium, synauta, pani, NALA Systems, APPLIED BIOMIMETIC...

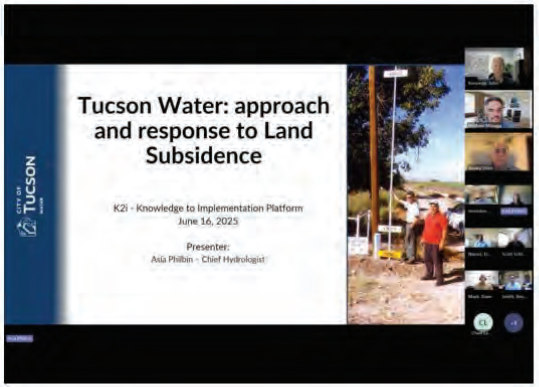
Highlights of OCWD within the k2i platform – 2020-2025 (2/3)

Land Subsidence and Groundwater Management

Meeting Date: 2025

Tucson Water (TW)

Tucson Water (TW) is a drinking water utility serving over 730,000 customers in Tucson, Arizona. As a utility located in the Sonoran Desert, Tucson Water transformed their water resource portfolio, lowering dependance on groundwater while allowing aquifer recharge and production of reclaimed water, ensuring water security through 2050 and beyond. Tucson Water have amassed experience dealing with contaminants of emerging Concern (CEC's) such as PFAS and 1,4 Dioxane, while adopting innovative water quality practices and technologies to deal with these issues.



1. Introduction and overview of Tucson Water's approach	00:00:00
2. Inelastic Ground Subsidence: Observation and Cumulative Quantification	00:02:51
3. Exploration of groundwater monitoring, modeling and data collection methods	00:05:18
4. Active management area. Partners supporting	00:09:42
5. Historical groundwater level changes and subsidence	00:16:06
6. Discussion on the introduction of CAP water and its historical challenges	00:23:59

1 2 3

General Topics

Ray N. Drop

Booky Oren

K2i

Land Subsidence & Groundwater Management

Initial Questions Raised by OCWD

June 16, 2025

1. *Besides ground surface cracking/displacement, were there any other physical observations associated with groundwater storage reduction? For example, was there infrastructure damage (pipes, roads, structures)?*

No major infrastructure damage in the Tucson Water Service Area has been attributed to subsidence.

2. *Was inelastic ground subsidence observed? If so, was cumulative subsidence quantified, e.g., survey benchmarks compared against historical records?*

Yes. First-order leveling surveys indicate ground-water mining resulted in about 6" of land subsidence in the Tucson Basin between 1952 and 1980 and about 12" inches of land subsidence in the northwestern part of Avra Valley between 1948 and 1980. An extensometer network was installed 1983-1987. Changes measured over the ~17-year period from 1987-2004/5 showed an average subsidence of 1.3" (with up to 5") in Tucson and 2.8 inches (up to 4.8") in Avra Valley. InSAR and Extensometer data over the period 2003-2016 indicated 4" to 5.3" inches as the maximum subsidence in areas of the Tucson Basin where subsidence was observed. Since the early 2000s, subsidence has not appeared significant in the Avra Valley. Uplift (up to 0.23") has been observed at certain locations in Avra Valley.

3. *Did Tucson Water use historical survey benchmark data to estimate cumulative subsidence over years or decades? How critical was that information to develop your understanding of the problem? Was the historical information sufficient to estimate the geospatial history of subsidence in the Tucson Basin?*

Tucson has not performed the work directly, but has sponsored projects with the USGS and AZ Department of Water Resources to study subsidence and compaction. Active monitoring began in the 1980s. The studies have provided estimates of subsidence and compaction over broad areas. These have been key to our understanding and making informed decisions.

- As all the K2i meetings, the last K2i conversation OCWD had on the 16.6 is also available through the K2i platform

Highlights of OCWD within the k2i platform – 2020-2025 (3/3)

MOU with PUB (Singapore)

- The agencies had an earlier MOU signed in 2011 which lapsed in 2013
- OCWD's Board approved to resume the MOU of collaboration arising from 2022 workshop, facilitated by BOGWT

Long-term collaboration with Vitens (Netherlands)

- Initial collaboration – LA 01/2023, Netherlands 03/2023, Singapore spotlight 06/2023
- 8 K2i meetings on PFAS and Groundwater (2023-2024)
- 2 **future** meetings – 9/2025, 11/2025

OCWD's team are welcome to participate and generate value from the sessions

- **Extreme Event Preparedness & Climate Resilience** *
  Monday, September 29 at 2:00-4:00 p.m. CDT
- **Revenue streams, tariffs, grants, & affordability** *
  Monday, September 29 at 4:30-5:30 p.m. CDT
- **Effective energy management to reduce operational costs** *
  Tuesday, September 30 at 9:00-10:30 a.m. CDT
- **AI Integration and Liability in Utilities** *
  Tuesday, September 30 at 11:00 a.m. - 12:30 p.m. CDT
- **Smart sewer modeling as part of regional asset management**
  Tuesday, September 30 at 2:00-3:30 p.m. CDT
- **Reuse-water aspects including Public engagement** *
  Tuesday, September 30 at 4:00-5:30 p.m. CDT
- **Utility workforce development, knowledge conservation & retention** *
  Wednesday, October 1 at 9:00-10:30 a.m. CDT
- **Comprehensive water resource management** *
  Wednesday, October 1 at 11:00 a.m. - 12:30 p.m. CDT

* - Can be relevant to OCWD

- **Monday, September 29th & Wednesday, October 1st:** Chicago Department of Water Management HQ, Jardine WPP.
- **Tuesday, September 30th:** Hiltons at McCormick Place

K2iU-25

HYBRID KNOWLEDGE EXCHANGE

k2iplatform.com

K2i Knowledge to implementation

www.BookyOren.com info@bookyoren.com

K2i Knowledge to implementation

We believe the K2i platform has demonstrated its commitment and ability to complement the strong network of connections of OCWD — ensuring that no one needs to reinvent the wheel

To Be Continued...

AGENDA ITEM SUBMITTAL

Meeting Date: August 13, 2025

To: Water Issues Committee
Board of Directors

From: John Kennedy

Staff Contact: M. Patel/F. Almario

Budgeted: Yes
Budgeted Amount: $200,000
Cost Estimate: $3,200,500
Funding Source: R&R
Program/Line Item No. R23010
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: AWARD CONTRACT NO. TAL-2024-2 TALBERT BARRIER INJECTION WELLS I-24 & I-25 CONTROL VALVE PROJECT TO VICON ENTERPRISE

SUMMARY

Three construction bids were received on July 29, 2025, for the Talbert Barrier Injection Wells I-24 and I-25 Control Valve Replacement project, Contract No. TAL-2024-2. Staff recommends awarding the construction contract to Vicon Enterprise as the lowest responsive and responsible bidder in the amount of $3,200,500.

Attachment: Affidavit of Publication for Notice Inviting Bids for Contract TAL-2024-2

RECOMMENDATION

Agendize for August 20 Board meeting:

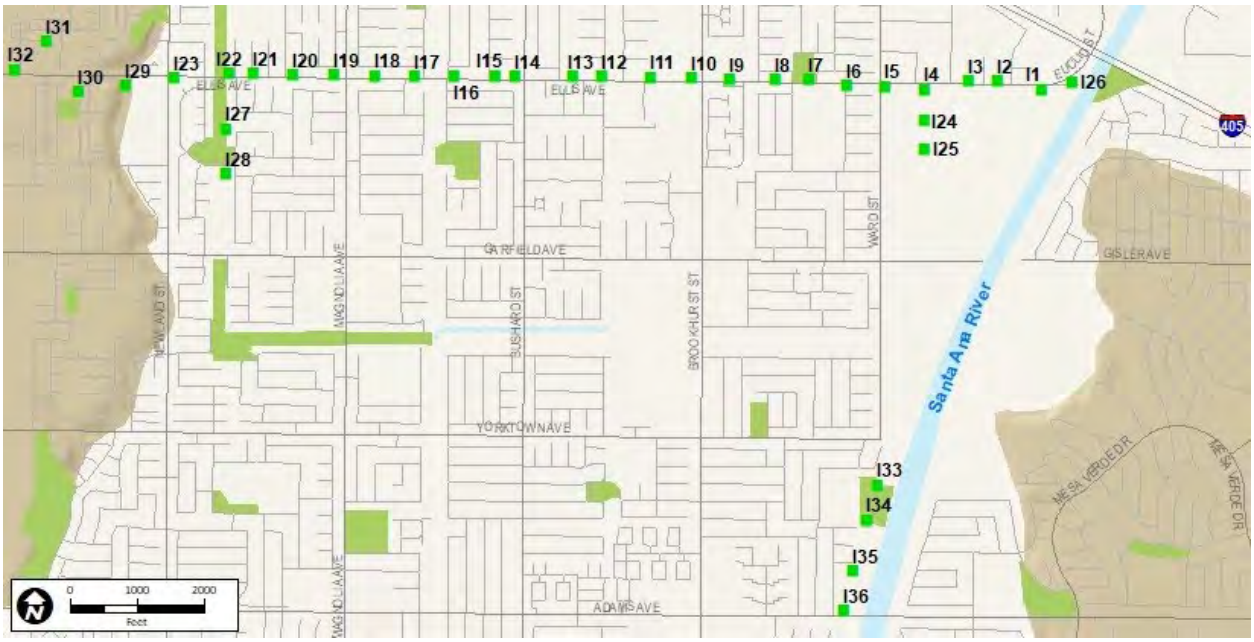
1. Receive and file Affidavit of Publication of Notice Inviting Bids for Contract TAL-2024-2 Talbert Barrier Injection Wells I-24 and I-25 Control Valve Replacement Project;
2. Ratify issuance of Addendum #1 and Addendum #2;
3. Accept and award Contract TAL-2024-2 to the lowest responsive and responsible bidder, Vicon Enterprise, in the amount of $3,200,500; and
4. Establish Project budget in the amount of $3,590,525

BACKGROUND/ANALYSIS

This Project involves modifications to injection wells I-24 and I-25 which are part of the Talbert Barrier system located on the OCWD Fountain Valley campus. The Talbert Barrier injection well field is comprised of 104 injection casings grouped into 36 well sites as shown in Figure 1 below. There are two primary types of injection wells: 1) Modern Wells (I-26 through I-36) and 2) Legacy Wells (I-1 through I-23). In addition, there is a third type of injection well, the Hybrid Well. The Hybrid Well combines design aspects of Legacy Wells and Modern Wells. There are only two of these Hybrid Injection wells in the Talbert Barrier system: I-24 and I-25. These two Hybrid Injection wells are located within the GWRS Advanced Water Purification facility plant site.

Like Modern Wells, Hybrid Wells are equipped with a flow control valve at the end of the eductor pipe. Hybrid Wells employ a down-well flow control valve called a variable orifice valve (VOV). The VOV valves at I-24 and I-25 have a history of failure and currently, all three VOVs are inoperable. Currently, both wells are unable to inject water into the Talbert Barrier due to the loss of flow control. The combined maximum injection rate for these two wells are approximately 3.7 MGD when functioning properly.

Figure 1: Map of Injection Wells



This Project consists of replacing the VOV valves and performing pump/motor and electrical upgrades. The VOVs will be replaced with Baski down-well flow control valves, manufactured by Baski Inc. These are the same valves used in the Modern Wells. This valve operates on the principle of an inflatable / deflatable rubber bladder inside a stainless steel body. Nitrogen gas is used to inflate the bladder to stop flow. Conversely, when nitrogen gas is bled from the Baski Valve, flow initiates. Pressure on the bladder determines the flowrate of water passing through the Baski Valve. Baski valves have been proven to be very reliable in controlling injection flows in the Modern Wells.

Injection wells I-24 and I-25 have been non-operational since 2020 and 2022, respectively. Upgrading these wells to the Modern Well standards will provide greater flexibility to the operations of the GWRS. When fully operational, up to 3.7 MGD could be injected into these wells. Since GWRS production is currently limited by the pipeline to the Anaheim recharge system and the amount of water that can be injected, replacing these valves will increase GWRS production by up to approximately 3.7 MGD.

The design of the well upgrades was budgeted for FY 2025-26, however due to the specialized nature of modern injection well equipping, a construction budget could not be established until the design was finalized. This was due to the unknown extents of the required upgrades, market volatility, and material availability. The design consultant

provided an opinion of probable cost for construction ranging from $3,500,000 to $3,800,000.

The bid advertisement period commenced June 30, 2025, and spanned 29 calendar days. A Non-Mandatory Pre-Bid conference was held onsite on July 10, 2025, and was attended by potential bidders, suppliers, and OCWD staff. Addendum No. 1 was issued July 22, 2025, to provide responses to potential bidder's questions. Addendum No. 2 was issued on July 23, 2025, to clarify language in the Technical Specifications. Three construction bids were received on July 29, 2025, for contract TAL-2024-2, and all bids were within the Engineer's range of probable costs. A summary of the three bids is shown below in Table 1.

Contractor	Bid Price
Vicon Enterprise	$ 3,200,500
Canyon Springs Enterprise	$ 3,416,000
MMC, Inc.	$ 3,660,250

Staff reviewed the bid of Vicon Enterprise, checked references, and confirmed that their contractor's license is current, active, and in good standing with the State of California. Staff recommends award of the construction contract to Vicon Enterprise as the lowest responsive and responsible bidder for $3,200,500.

The project budget is summarized in Table 2 and will be funded by R&R Reserves.

Table 2: Talbert Barrier Injection Wells I-24 and I-25 Control Valve Replacement Project Summary

Description	Budget
Design, Construction Management, Advertisement	
Tetra Tech (Design, bid phase, construction)	$ 224,000
Advertisement	$ 1,000
Construction	
Contract TAL-2024-2	$ 3,200,500
Project Contingency	$ 165,025
Total Project Budget:	$ 3,590,525

PRIOR RELEVANT BOARD ACTIONS

5/21/25, R25-5-71: Talbert Barrier Injection Wells I-24 & I-25 Control Valve Project – Authorizing Publication of Notice Inviting Bids

10/18/23, R23-10-138: Professional Services Agreement to Tetra Tech for Design Services for the Talbert Barrier Injection Wells I-24 and I-25 Flow Control Valve Project

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

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

Account Number:	5179533
Ad Order Number:	0011743742
Customer's Reference/PO Number:	
Publication:	The Orange County Register
Publication Dates:	06/30/2025
Total Amount:	$877.53
Payment Amount:	$0.00
Amount Due:	$877.53
Notice ID:	CffAukLJm6oDTdkavSHu
Invoice Text:	

THE ORANGE COUNTY
REGISTER

The Orange County Register
1920 Main Street, Suite 209
Irvine, California 92614
(714) 796-7000

0011743742

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

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

STATE OF CALIFORNIA
County of Orange

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

06/30/2025

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

Dated at Irvine, California

On this 30th day of June, 2025.

Sandra Campos

Signature

NOTICE INVITING BIDS
Talbert Barrier Injection Wells I-24 and I-25 Control Valve
CONTRACT NO. TAL-2024-2

PLEASE TAKE NOTICE that sealed bids will be received at the office of the Contracts Administrator of the Orange County Water District ("District"), 18700 Ward Street, Fountain Valley, CA 92708 (mailing address: P.O. Box 8300, Fountain Valley, CA 92728-8300), until 2:00PM PT local time on July 29, 2025 at which time the bids will be publicly opened and read aloud for performing all work and furnishing all labor, materials and equipment for the rehabilitation of the existing wells, remove the existing downhole control valve, submersible pump, demo the aboveground piping and appurtenances and replace with new downhole control valve, submersible pump and motors, piping, valves, meters, electrical, instrumentation and other ancillary and support facilities, site improvements, dewatering, pavement replacement and other ancillary facilities; and associated commissioning, training, and acceptance testing. The work includes, but is not be, the following:

1. Demolition of the existing downhole control valve, submersible pump, aboveground piping, valves and meters
2. Redevelopment of Wells I-24 and I-25
3. Construction of the pumps, motors, valves, couplings and appurtenances
4. Construction of the site improvements, including pavement replacement, concrete sidewalk and restoration of existing landscaping and irrigation.
5. Construction of electrical equipment
6. Construction of all control and instrumentation equipment and facilities including programming
7. Training and the provision of Operations and Maintenance documentation
8. Commissioning, Training and Acceptance Testing.

NON-MANDATORY PREBID CONFERENCE: A pre-bid conference will be held at the District Office, 18700 Ward Street, Fountain Valley, CA on Thursday, July 10, 2025 at 2:00PM PT. All potential bidders, contractors and other interested parties are required to attend this conference conducted by the District and Engineer. Any potential bidder that does not attend the pre-bid conference will be charged with knowledge of all information that was available at the pre-bid conference. The District Project Manager will also discuss the role and participation of potential bidders in the District's Contractor Safety Program. Also as a part of this program, the OCWD Pre-Award Safety Review form (Appendix A of the Contractor Safety Procedures) will be discussed in greater detail.

PROJECT ADMINISTRATION: All questions regarding the Bid must be submitted in writing before the deadline due date of DAY, MONTH, DATE, YEAR, at TIME PT. Questions received after the questions due date may not be considered. All questions relative to this project prior to the opening of bids shall be directed, in writing, to OCWD:

ORANGE COUNTY WATER DISTRICT
18700 Ward Street
Fountain Valley, CA 92708

Mailing Address:
P.O. Box 8300
Fountain Valley, CA 92728-8300

Attention: Fernando Alamio, Project Manager
Telephone: (714) 378-3369
Email: procurement@ocwd.com

COMPLETION OF WORK AND LIQUIDATED DAMAGES: All Work must be substantially completed within FOUR HUNDRED (400) consecutive calendar days from the date of the Notice to Proceed issued by the District. Failure to complete the Work within the time set forth herein will result in the imposition of liquidated damages for each day of delay, in the amount set forth in the Information for Bidders.

OBTAINING CONTRACT DOCUMENTS: Plans and specifications and all contract documents must be purchased through HB Digital at www.ocwdplanroom.com. Payment will not be refunded and the plans and specifications and contract documents are not required to be returned.

BID GUARANTEE: Each Bid shall be accompanied by one of the following: a certified or cashier's check, or bid bond in an amount not less than ten percent (10%) of the total bid price, payable to the Orange County Water District, as a guarantee that the Bidder, if its Bid is accepted, shall promptly execute the Agreement, furnish a satisfactory Faithful Performance Bond in an amount not less than one hundred percent (100%) of the total bid price, furnish a Labor and Material Bond in an amount not less than one hundred percent (100%) of the total bid price, and furnish certificates evidencing that the required insurance is in effect in the amounts set forth in the Insurance Conditions. The Faithful Performance Bond shall remain in full force and effect through the guarantee period as specified in the General Provisions. All surety companies shall be admitted surety insurers and shall comply with the provisions of Code of Civil Procedure Section 995.630.

DISTRICT'S RIGHTS RESERVED: The Orange County Water District reserves the right to reject any or all bids, and to waive any informality in any bid.

ORANGE COUNTY WATER DISTRICT

By: John C. Kennedy, General Manager

Dated: 6/24/25

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