

**MINUTES  
ENGINEERING AND OPERATIONS COMMITTEE MEETING**

**Thursday, April 3, 2025, at 9:30 a.m.  
UWCD Headquarters, First Floor, Board Room  
1701 N. Lombard Street, Oxnard, CA 93030**

**OPEN SESSION**

The meeting was called to order at 9:31 a.m.

**Committee Members Roll Call**

Present: Directors Kimball and Keeling (Chair)

Absent: Director Ford

**1. Public Comments:** None.

**2. Approval of Minutes  
Motion**

Action: M/S/C (Kimball, Keeling) to approve the March 6, 2025, minutes.

Vote: Ayes: Kimball and Keeling; Noes: None; Absent: Ford.

**3. April 9, 2025, UWCD Board of Directors Meeting Agenda Items**

**3.1 Recommend that the Board of Directors (BOD) adopt Resolution approving the proposed changes to the Engineering Projects Administration Policy.**

**Motion**

Action: M/S/C (Kimball, Keeling) recommend to the full Board of Directors adopt the Resolution approving the proposed changes to the Engineering Projects Administration Policy.

Vote: Ayes: Kimball and Keeling; Noes: None; Absent: Ford.

**3.2 Recommend that the Board of Directors authorize the General Manager to sign a Professional Consulting Services Agreement with GEI Consultants, Inc. (GEI) for design consulting services in connection with the Freeman Diversion Expansion Project (CIP 8001).**

Chair Keeling would like to see how much the Freeman Diversion Expansion Project will save the District represented in the motion slide presentation. The Committee agreed that the General Manager will deliver this message at the April 9 Board of Director's meeting.



Action: M/S/C (Kimball, Keeling) recommend that the Board of Directors authorize the General Manager to sign a Professional Consulting Services Agreement with GEI Consultants, Inc. (GEI) for design consulting services in connection with the Freeman Diversion Expansion Project (CIP 8001).

Vote: Ayes: Kimball and Keeling; Noes: None; Absent: Ford.

#### **4. Monthly Department Updates Information Items**

##### **4.1 Engineering Department Update Robert Richardson, Engineering Manager Information Item**

Received and filed; presentation attached.

Engineering Manager Robert Richardson announced during slide 12, EBB Water – Phase 1, there will be an update on the contract cost for ABC Liovin at the upcoming Board of Directors Meeting.

Director Kimball asked during slide 25, Rice Avenue Overpass, if there was a more optimal time for the pipeline to be shut down, avoiding Fall. Mr. Richardson responded that staff will be discussing possible water supply alternatives.

##### **4.2 Environmental Services Department Update Marissa Caringella, Environmental Services Manager Information Item**

Received and filed; no presentation.

##### **4.3 Operations and Maintenance Department Update James Smallwood, Operations Supervisor – Water Supply and Distribution Information Item**

Received and filed; presentation attached.

##### **4.4 Recreation Department Update Bernie Riedel, Senior Park Ranger Information Item**

Received and filed; no presentation.

#### **5. Future Agenda Items**

Director Keeling appreciated how each presentation recognized United staff efforts and would like to see this moving forward.


#### **ADJOURNMENT**

The meeting was adjourned at 10:42 a.m.

I certify that the above is a true and correct copy of the minutes of the UWCD Engineering and Operations Committee Meeting of April 3, 2025.




ATTEST: *Catherine E. Keeling*  
Catherine Keeling, Chair



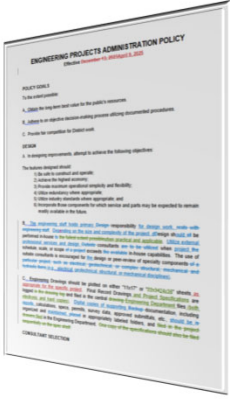
D.  
Fiscal  
Responsibility


## Motion Item 3.1



G.  
Organizational  
Effectiveness


***The Engineering and Operations Committee will consider recommending that the Board of Directors (BOD) adopt a resolution approving the proposed changes to the Engineering Projects Administration Policy.***






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D.  
Fiscal  
Responsibility

## Motion Item 3.1



G.  
Organizational  
Effectiveness


**Proposed Updates to Engineering Projects Administration Policy**

- NEW!

• **Addition of Best Value Selection Procurement:** Selection of contactor based on a combination of price, qualifications, and approach.
- NEW!

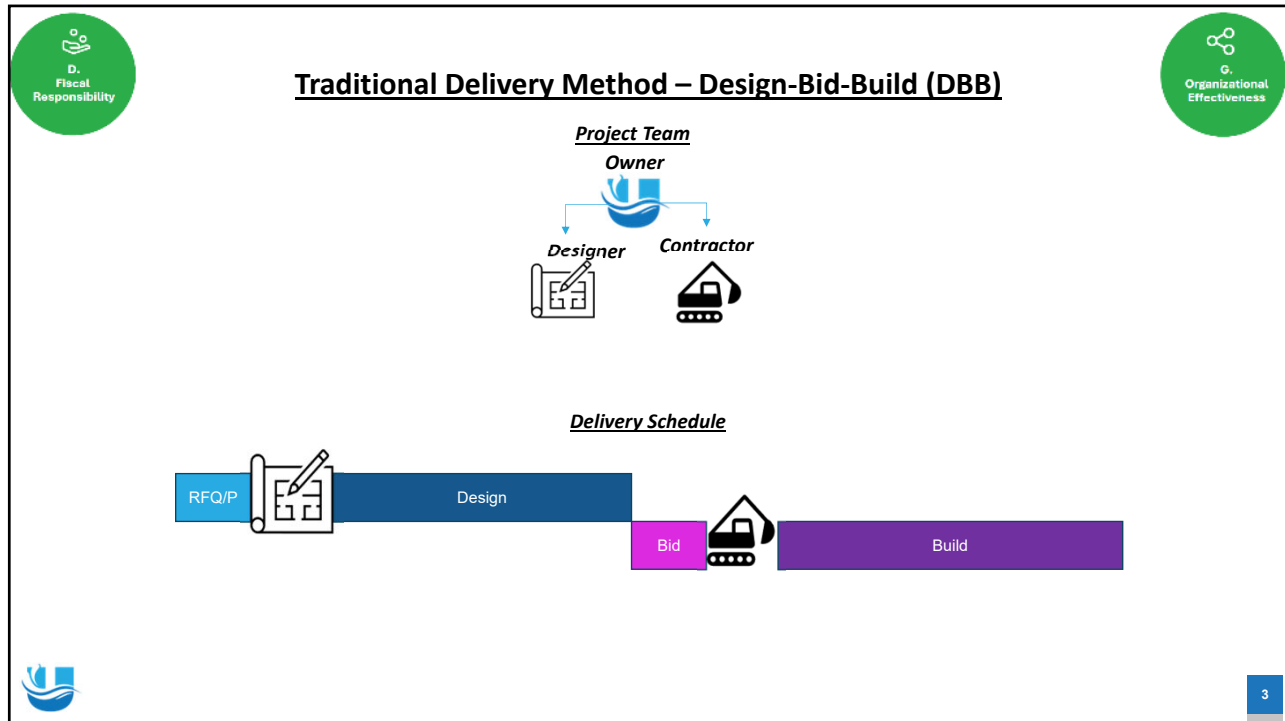
• **Addition of Alternative Project Delivery Methods:** Alternative Project Delivery Methods, sometimes referred to as Collaborative Delivery, are delivery methods such as Design-Build (DB), Progressive Design-Build (PDB), Construction Manager at Risk (CMAR) or Construction Manager/General Contractor (CMGC), etc. Alternative project delivery methods integrate the design and construction phases through early contractor involvement.
- IMPROVED!

• **Other Updates :** Added contractor prequalification, removed requirement to advertise bids in Ventura County Star, removed requirement to sell bid packages at District HQ, etc.

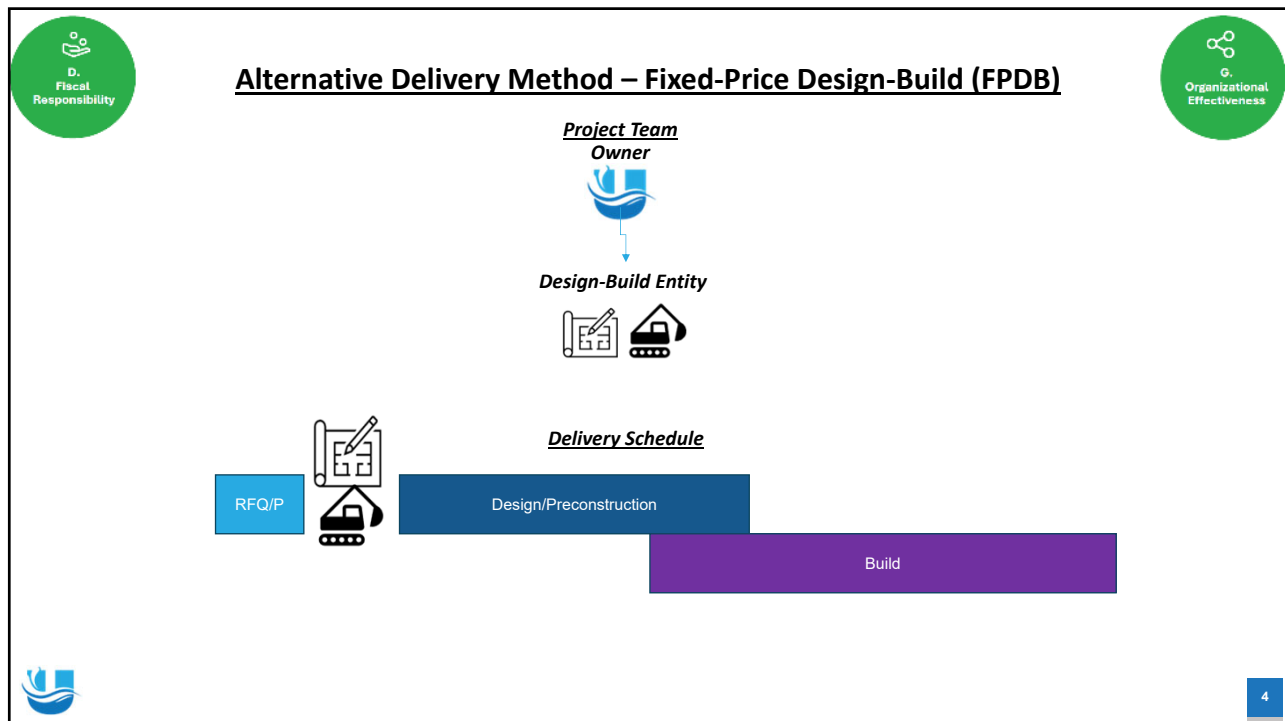


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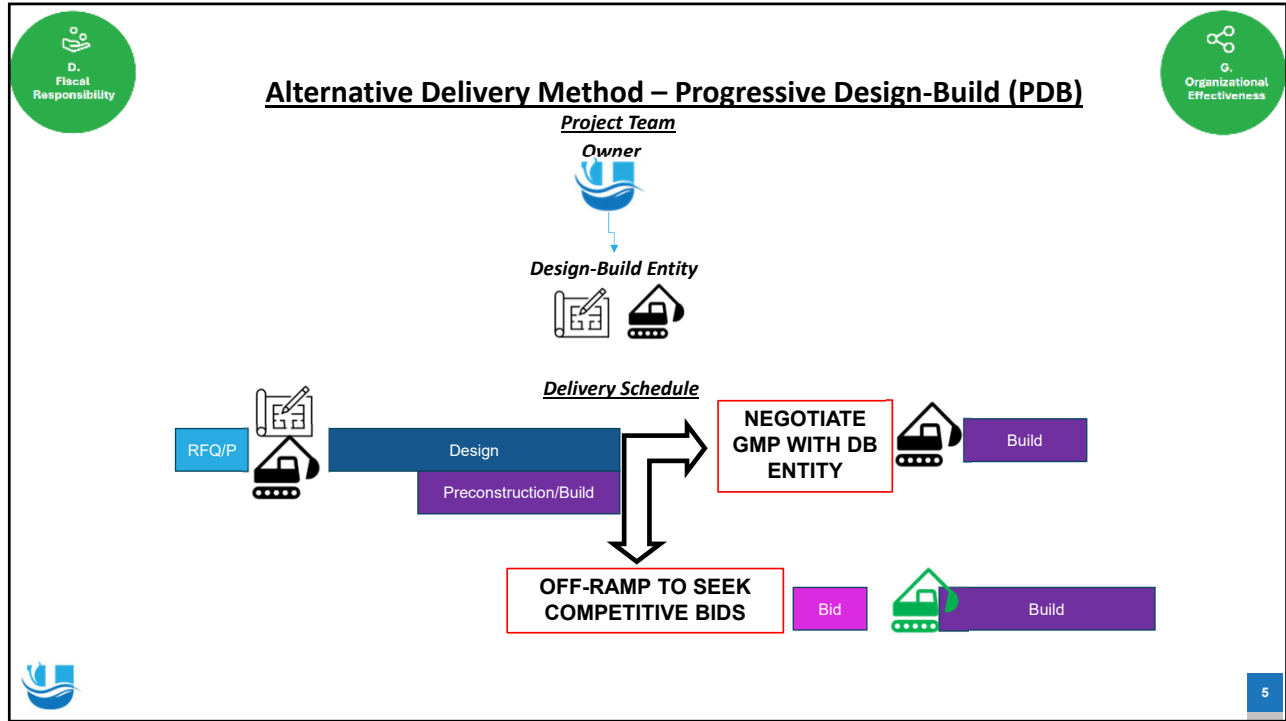
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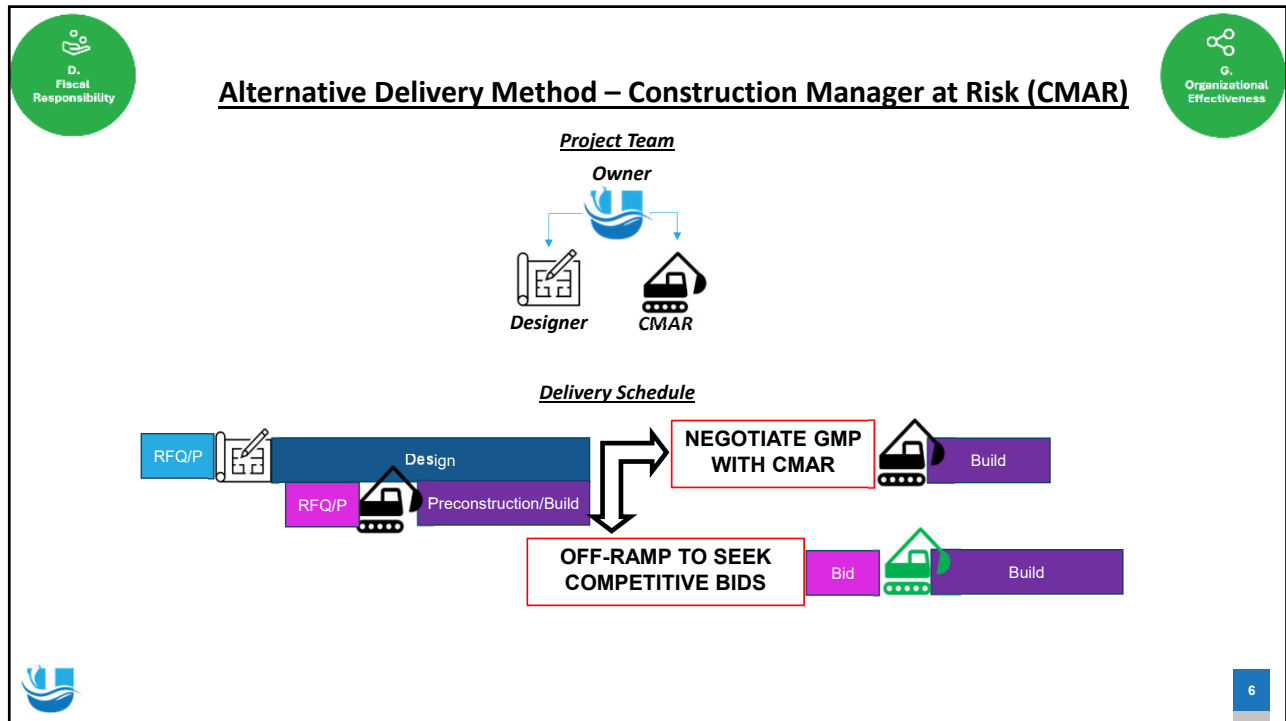
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D.  
Fiscal  
Responsibility

## Motion Item 3.1

### Pros and Cons of Different Project Delivery Methods



G.  
Organizational  
Effectiveness

	DBB	CMAR	PDB	FPDB
<b>Schedule</b>				
<b>Selection Criteria</b>	\$	QBS \$/QBS	QBS \$/QBS	\$\$/QBS
<b>Design Responsibility (Owner's)</b>	100%	100%	0%-30%	10%-34%+
<b>Design Turnover Timing (Owner's)</b>				
<b>Price Certainty</b>	↑????	↑?? ?↓	↑?? ?↓	⊗
<b>Owner Design Engagement</b>				
<b>Risk Transfer (Owner)</b>				
<b>Potential for Innovation</b>				


**Project Delivery Notes:**

- **FPDB** is the most efficient method for expediting completion of a project.
- **Design-Bid-Build** method gives Owner most control over design.
- **PDB and CMAR** delivery methods offer opportunity to establish GMP and potentially earn costs savings upon project completion.
- **PDB and CMAR** delivery methods allows owner to 'off-ramp' and seek competitive bids.
- **FBDB and PDB** delivery methods transfer the most risk from the Owner to design-build entity.

Source: "Making Sense of Collaborative Delivery Options" by Water Collaborative Delivery Association (2023), Water and Wastewater Collaborative Delivery Handbook (6<sup>th</sup> ed.), p.12.

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D.  
Fiscal  
Responsibility

## Motion Item 3.1

### Why Best Value Selection and Alternative Project Delivery?



G.  
Organizational  
Effectiveness



**United Water**  
CONSERVATION DISTRICT

**CIP Outlook (Estimated Costs)**

Project	Total Project Cost
Freeman Diversion Expansion	\$125M
SFD Safety Improvement Project	\$250M
EBB	\$450M
Other Projects	\$45M
<b>Total Projects</b>	<b>\$870M</b>

**Considerations**

- Secure Most Qualified Project Team
- Enhanced Risk Management and Project Financing
- Collaborative Solutions to Technical Challenges
- Interaction with Ongoing Operations
- Public Safety Risk
- Challenging Regulatory and Environmental Permitting Requirements

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**D. Fiscal Responsibility**

**G. Organizational Effectiveness**



The image shows a newspaper clipping from the "DAILY NEWS" with the headline: "SCWD Achieves Major Milestone In Doheny Ocean Desalination Project With Award Of The Phase 1 Progressive Design-Build-Operate-Maintain Contract". The clipping includes a sub-headline, a source reference "(scwd.org, 2024)", a logo for the "DOHENY OCEAN DESALINATION PROJECT", and a "READ PRESS RELEASE" link. The newspaper masthead includes "World - Business - Finance - Lifestyle - Travel - Sport - Weather", "Issue: 240104", "THE WORLD'S BEST SELLING NATIONAL NEWSPAPER", and "Est - 1965".

**Shift to Alternative Delivery in the Water Sector**

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**D. Fiscal Responsibility**


**G. Organizational Effectiveness**

## Motion Item 3.1

### Summary and Next Steps

**Summary:**

- The ability to implement Best Value Selection and Alternative Project Delivery Methods enhances the District's ability to approach the unique and complex challenges of multi-year and multi-million-dollar projects while providing best value for District funds.



**Next Steps:**

- Develop Standard Agreements for Various Delivery Methods
- Develop RFPs and Bid Packages
- Staff Training and Education
- Build Institutional Knowledge

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### Motion Item 3.1



#### Questions?






A.  
Water  
Supply

## Motion Item 3.2


### Authorize the General Manager to Sign an Agreement with GEI for Design Consulting Services in Connection with the Freeman Diversion Expansions



C.  
Environmental  
+ Regulatory  
Compliance

**Overview:**


- GEI investigated feasibility, design and construction cost estimates for a new fish passage and diversion facility alternative
- NHC conducted the conceptual hydraulic analysis and design



6 28 '98

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A.  
Water  
Supply

## Motion Item 3.2

### Authorize the General Manager to Sign an Agreement with GEI for Design Consulting Services in Connection with the Freeman Diversion Expansions



C.  
Environmental  
+ Regulatory  
Compliance

**GEI's Scope:**

- Preliminary (30%) analysis and design
- Design development report
- Construction cost estimate
- Preliminary construction schedule
- Constructability Assessment

**Subconsultants Scope:**

- NHC – Hydraulic Analysis and Design
- IEC – Construction Sequence

**Contract Cost:** \$966,700




Diagram showing flow rates: Canal 750 cfs, Bypass 38 cfs, Fish bay 788 cfs, Fish ladder 32 cfs, Crest gates 2,032 cfs, Diversion 968 cfs, 2,250 cfs, 218 cfs, 3,000 cfs.

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# ENGINEERING DEPARTMENT Monthly Update April 3, 2025

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 C. REGULATORY AND ENVIRONMENTAL COMPLIANCE

 B. SYSTEM RELIABILITY

## SFD Regulatory Compliance and Safety Improvement Project

**SFD Regulatory Compliance**

- 2025 Biennial Monitoring Survey to start in April 2025.

**SFD Safety Improvement Project**

- May 20-21: BOC Meeting No. 10
  - Review: Final OW Design and 90% Design of Spillway Improvements









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**B. SYSTEM RELIABILITY**

## OHP Iron and Manganese Treatment Facility

**1-Year Inspection Due**



Wastewater Recovery Tank

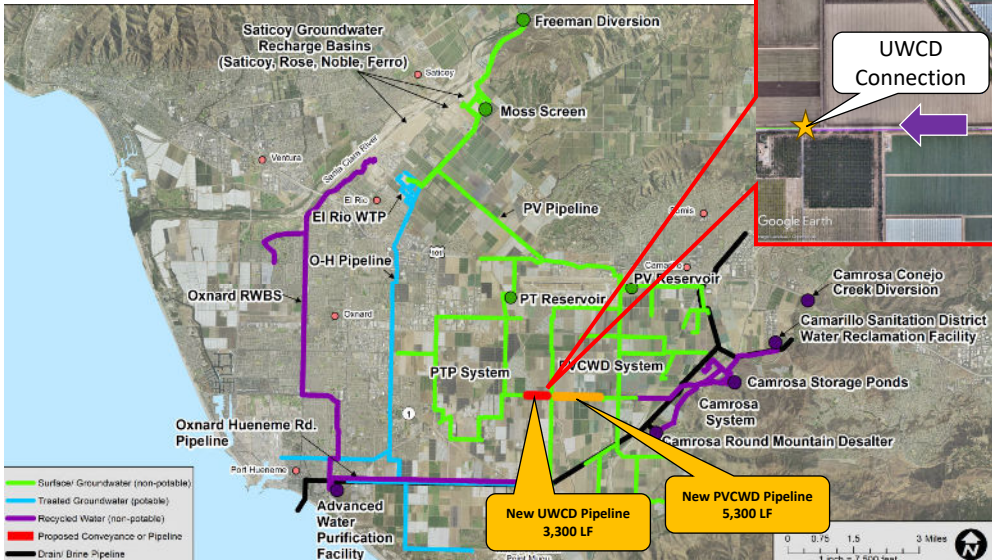


**SECTION A**  
18'-11" @ 1/8" = 1'-0"

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## Recycled Water Connection – Laguna Road Pipeline Project

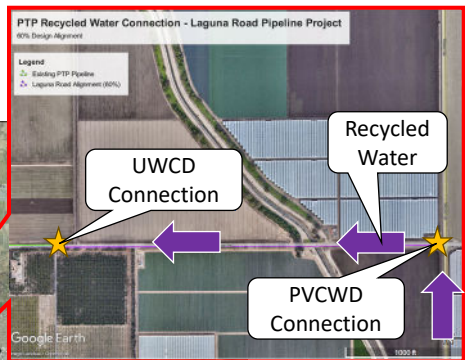


**New UWCD Pipeline 3,300 LF**

**New PVCWD Pipeline 5,300 LF**

**PTP Recycled Water Connection - Laguna Road Pipeline Project**  
 80% Design Alignment

**Legend**  
 - Existing PTP Pipeline  
 - Laguna Road Alignment (80%)



UWCD Connection

Recycled Water

PVCWD Connection

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 A. WATER SUPPLY  B. SYSTEM RELIABILITY

## Recycled Water Connection – Laguna Road Pipeline Project



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 A. WATER SUPPLY  B. SYSTEM RELIABILITY

## Recycled Water Connection – Laguna Road Pipeline Project



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**A. WATER SUPPLY** **B. SYSTEM RELIABILITY**

## Recycled Water Connection – Laguna Road Pipeline Project



Mar 17, 2025



Mar 18, 2025



Mar 18, 2025




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**A. WATER SUPPLY** **B. SYSTEM RELIABILITY**

## Project Timeline

**2011:**  
Start Hueneme Road Recycled Water Pipeline (Phase 1)

**2014:**  
**FATW Agreement Executed**  
Oxnard AWPf undergoing commissioning

**2016:**  
Oxnard AWPf delivers recycled water to agricultural users




**2020:**  
**USDA NRCS grant funding** for recycled water connection to PTP System  
**\$343k**

**2022:**  
**DWR SGM grant funding** through **FCGMA** for Laguna Road Recycled Water Pipeline  
**\$2.65M**



**2023:**  
Hueneme Road Recycled Water Pipeline (Phase 2) Complete  
**PVCWD and UWCD start collaboration on long-term agreement**

**Nov 2024:**  
Additional **\$1.96M** in **DWR SGM grant funding**  
**Construction Contract Award to Toro**

**Mar 2025:**  
**Complete construction** of Laguna Road Recycled Water Pipeline. **Commence operational testing.**

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 A. WATER SUPPLY  B. SYSTEM RELIABILITY



## DWR SGM Grant Requirements

**Project Benefit Goal:** Allow conveyance of up to 1,500 AFY on average of recycled water from PVCWD’s system to United’s PTP system

**Post Performance Report Schedule:**

- ✓ Project Construction Completion (expected): March 31, 2025
- Begin operations (expected): August 1, 2025
- Project Performance Report No. 1 will be due by August 1, 2026
- Project Performance Period: August 2025 – August 2028

 A. WATER SUPPLY  B. SYSTEM RELIABILITY



## Short-Term Recycled Water Purchase Agreement

**Key Terms:**

- **Term of Agreement:** one (1) year or until the time the long-term written agreement is finalized.
- **Data Sharing:** the Parties will share operational data (e.g. flow, pressure and conductivity measurements) during testing.
- **Coordination:** the Parties agree to coordinate on recycled water deliveries (quantity and duration must be mutually agreeable).
- **Billing:** PVCWD will bill UWCD on a monthly basis and UWCD will provide meter readings.
- **Rate:** UWCD will compensate PVCWD on a per acre-foot basis consistent with the charges to PVCWD (City Pass-Through Charge) plus a 5% Wheeling Charge.

**Key Conditions:**

- Valid only under the condition that the City can provide AWPf recycled water.
- The Parties will comply with the Title 22 California Code of Regulations related to recycled water.

## Rice Avenue Overpass



**Work Schedule for Bridge Embankment Construction:  
Wednesday, March 19 - October 2025.\***

**Location**  
 Intersection of Rice Ave. and Fifth St./SR-34.

**Lane Closures**

- The northbound Rice Ave. lane closest to the sidewalk will be closed between Wooley and Sturgis roads.
- The eastbound Fifth St./SR-34 lane closest to the sidewalk will be closed between Rice Ave. and S. Del Norte Blvd.
- The westbound Fifth St./SR-34 lane closest to the sidewalk will be closed between the S. Del Norte Blvd. and Rice Ave.

*One lane in each direction will remain open at all times as well as the intersection at Rice Ave. & Fifth St./SR-34 and driveways. Please use alternate routes, when possible, to avoid delays.*

**What to Expect**

- **Safety:** Traffic control implementation will be used for the safety of motorists and the crews.
- **Flagmen:** Flaggers will be on site to allow access to traffic, as needed.
- **Dust Mitigation:** Water trucks will be used to minimize dust.

SCAN ME



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A. WATER SUPPLY

## EBB Water – Phase 1

**Monitoring Wells**

- ✓ March 11: NOC - ABC Liovin Construction Contract
- Construction Contract Credit anticipated

**Phase 1**

- March 4: Meeting with RDP to strategize project funding.
- March 23: 30% Draft Design Submitted



Discharge Under United's NPDES Permit saved more than \$200,000



Navy claimed responsibility for any waste with any level of PFAS detection - resulting in savings to District

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**A. WATER SUPPLY**

## EBB Water – Phase 1

**Discharge Facility**

**Discharge Facility**

### 30% Draft Design Package

**Well Site Improvements**

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**B. SYSTEM RELIABILITY**

## Asset Management

**Data Standard Workshop**

- Asset Management / CMMS Pilot for Chlorine Building and OH Pipeline
- O&M El Rio Staff, I&E Staff, and Engineering Staff
- Workshopped Data Specifications and Asset Hierarchy
- Discussed Workflows and operational institutional knowledge

**Next Steps**

- Draft Data Standard and Asset Hierarchy
- Draft Asset Registry
- Draft GIS for OH Pipeline

Mar 13, 2025

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F. COMMUNICATIONS AND  
COMMUNITY OUTREACH

## Other Events and Public Outreach

**Upcoming in April:**

- 16<sup>th</sup>: Quarterly meetings with FCGMA staff to discuss water supply projects status
- 17<sup>th</sup>: 33<sup>rd</sup> AWA Annual Water Symposium

**Current in March:**

- 6<sup>th</sup>: Staff attended a regularly scheduled RDP Meeting, extending collaboration with NBVC.
- 12<sup>th</sup>: Maryam Bral and Kaili Taniguchi attended the Women in Ag Mixer hosted by CoLAB.
- 14<sup>th</sup>: Chris Coppinger presented EBB project at GRAC (Central Coast Branch).
- 19<sup>th</sup>: Adrian Quiroz and Tony Huynh met with the City of Oxnard's ESM to provide a refresher on SFD EAP and OH ERP
- 20<sup>th</sup>: John Lindquist, Chris Coppinger, and Robert Richardson met with SWIEB working group.
- 28<sup>th</sup>: Maryam Bral attended Farm Bureau of Ventura County TGIF BBQ
- 31<sup>st</sup>: Maryam Bral attended the Defense Communities National Summit through April 2nd



**OPERATIONS AND  
MAINTENANCE  
DEPARTMENT  
UPDATE**



April 3, 2025

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**Santa Felicia Dam  
and  
Lake Piru**



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# Saticoy Spreading Grounds



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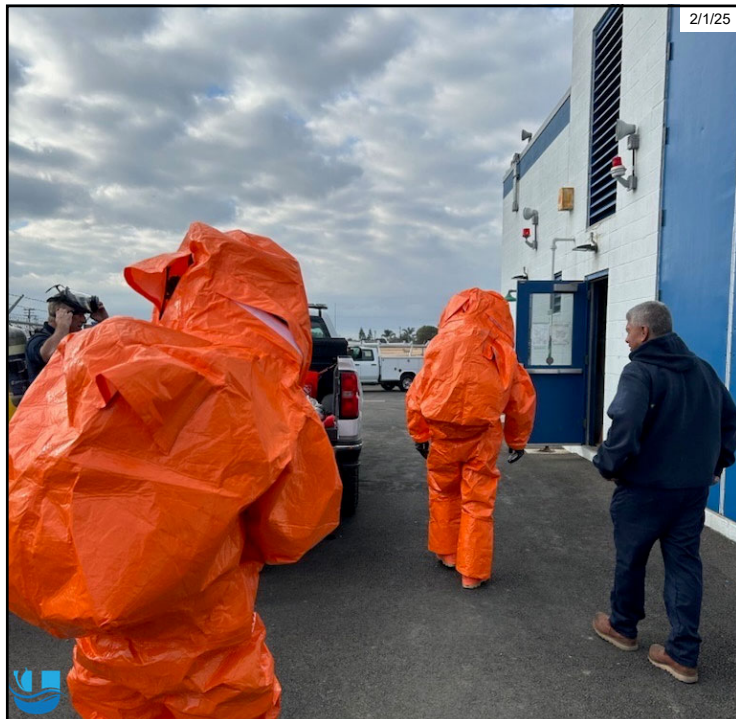
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# Saticoy Spreading Grounds Continued



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# El Rio

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