

**AGENDA
ENGINEERING AND OPERATIONS COMMITTEE MEETING**

**Thursday, October 1, 2026, at 9:30 a.m.
UWCD Headquarters, First Floor, Board Room
1701 N. Lombard Street, Oxnard, CA 93030**

OPEN SESSION - ROLL CALL

1. Public Comments

Information Item

The public may comment on any matter not on the agenda within the jurisdiction of the Committee. All comments are subject to a five-minute time limit.

2. Approval of Minutes

Motion

Approve September 3, 2026, Committee meeting minutes.

3. UWCD Board of Directors Meeting Agenda Items

Review, discuss, and make a recommendation on the following agenda items considered for approval at the October 14, 2026, Board of Directors meeting:

3.1 Improved Denil Professional Consulting Services Agreement for the 90% Design Milestone

(Senior Engineer Nathan Summerville)

Motion

Recommend full Board approval to authorize the General Manager to execute a Professional Consulting Services Agreement with GEI Consultants Inc. to complete the 90% design milestone for the Improved Denil Project, which is part of CIP 8001 Freeman Diversion Improvement Project - Denil.

3.2 Upon Receiving the Chief Dam Safety Engineer's Annual Dam Safety Program Report, Adopt a Resolution Approving the Revision of the Owner's Dam Safety Program and Overarching Dam Safety Program Policy

(Assistant General Manager Dr. Maryam Bral and Senior Engineer Adrian Quiroz)

In accordance with the Santa Felicia Dam Owner's Dam Safety Program, the Chief Dam Safety Engineer for UWCD shall prepare and deliver an Annual Comprehensive Dam Safety Program Report (Annual Report) and presentation to the UWCD Board of Directors. This Annual Report and presentation cover dam safety program activities from October 2025 through October 2026 (reporting period). *Per Government Code Title 18 § 388.113 Critical Energy/Electric Infrastructure Information, the Annual Report is a critical/confidential document. Committee members only will be provided with hard copies.*



Motion

Upon receiving such report, staff recommend adoption of a resolution approving the revised Santa Felicia Dam Owner's Dam Safety Program, revision 12.0 dated October 2026, and the Overarching Dam Safety Program Policy, to the full Board. *Per Government Code Title 18 § 388. 113 Critical Energy/Electric Infrastructure Information, the Owner's Dam Safety Program is a critical/confidential document. Committee members only will be provided with hard copies.*

4. Monthly Department Updates

Information Item

Receive and review the monthly reports from the Engineering, Environmental Services, and Operations and Maintenance Departments, as well as receive a verbal presentation of their highlights.

4.1 Engineering Department Update (Engineering Manager, Robert Richardson)

4.2 Environmental Services Department Update (Environmental Services Manager, Marissa Caringella)

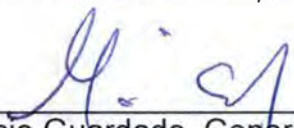
4.3 Operations and Maintenance Department Update (Chief Operations Officer, Craig Morgan)

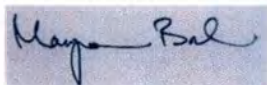
5. Future Agenda Items

ADJOURNMENT

The Americans with Disabilities Act provides that no qualified individual with a disability shall be excluded from participation in, or denied the benefits of, the District's services, programs or activities because of any disability. If you need special assistance to participate in this meeting, or if you require agenda material in an alternative format, please contact the District's offices at (805) 525-4431. Notification of at least 48 hours prior to the meeting will enable the District to make appropriate arrangements.

Approved: _____


Mauricio Guardado, General Manager



Dr. Maryam Bral, Assistant General Manager

This agenda was posted Friday, September 25, 2026, at 8:45 a.m. at United Water Conservation District Headquarters, Oxnard, CA and www.unitedwater.org.


Jacquelyn Lozano, Clerk of the Committee



STAFF REPORT

To: Engineering and Operations Committee Members

Through: Mauricio Guardado, General Manager
Dr. Maryam Bral, Assistant General Manager

From: Jackie Lozano, Clerk of the Committee

Date: September 24, 2026 (October 1, 2026, meeting)

Agenda Item: 2. Approval of Minutes
Motion

Staff Recommendation:

Approve the September 3, 2026, Committee meeting minutes that are attached.



ATTACHMENT

Board of Directors
Lynn E. Maulhardt, President
Catherine P. Keeling, Vice President
Gordon Kimball, Secretary/Treasurer
Keith Ford
Mohammed A. Hasan
Steve Huber
Rachel Jones

General Manager
Mauricio Guardado

Legal Counsel
David D. Boyer

AGENDA ENGINEERING AND OPERATIONS COMMITTEE MEETING

Thursday, September 3, 2026, at 9:30 a.m.
UWCD Headquarters, First Floor, Board Room
1701 N. Lombard Street, Oxnard, CA 93030

OPEN SESSION

Chair Catherine Keeling called the meeting to order at 9:32 a.m.

Committee Members Roll Call

Present: Directors Ford, Kimball, and Keeling.

Absent: None.

1. **Public Comments** **Information Item**

No public comments were received.

2. **Approval of Minutes** **Motion**

Action: M/S/C (Kimball/Ford) approving June 30, 2026, Committee meeting minutes.

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

3. **UWCD Board of Directors Meeting Agenda Items**

3.1 **Award of Agreement to Construct the Vineyard Avenue Crossing** **Motion**

Senior Engineer Nathan Summerville summarized and presented this motion to the Committee for their consideration to the full Board of Directors for approval, presentation attached.

With General Manager approval, Directors Keeling as well and Director Kimball felt it was important for staff to state during the Board meeting and for the public that this project is grant funded and has been budgeted for and vetted. The ask is not an expense that is impacting customers rates nor an extra expense. The Directors would like a note about the budget included on the timeline (slide 6). Additionally, Dr. Maryam Bral requested staff to add and mention that, since 2020 this project has been shared at the District's annual Water Sustainability Summit and include the amount invested.



Action: M/S/C (Ford/Kimball) recommended that the full Board of Directors authorize the General Manager to execute the construction agreement with the lowest responsible and responsive bidder to construct a conveyance beneath Vineyard Avenue to connect the Saticoy Recharge Facility to Ferro Basin (CIP 8018 Freeman Diversion Improvement Project – Conveyance).

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

3.2 Award of Agreement with HDR Engineering, Inc. for Construction Management Services for the Vineyard Avenue Crossing

Motion

Mr. Summerville summarized and presented this motion to the Committee for their consideration to the full Board of Directors for approval, and the presentation attached.

With General Manager approval, Director Keeling again recommended adding language to the slide as well as stating during the Board meeting and for the public that this project is grant funded and has been budgeted for and vetted.

Action: M/S/C (Kimball/Ford) recommended that the full Board of Directors authorize the General Manager to execute a professional services agreement with HDR Engineering, Inc. for construction management and inspection services related to the construction of a conveyance beneath Vineyard Avenue to connect the Saticoy Recharge Facility to Ferro Basin (CIP 8018 Freeman Diversion Improvement Project – Conveyance).

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

3.3 Award of Agreement with Rite-Way Roof Corporation for District Headquarters Roof Replacement

Motion

Engineering Manager Robert Richardson summarized and presented this motion to the Committee for their consideration to the full Board of Directors for approval, presentation attached.

With General Manager approval, Director Keeling stated that, like Mr. Summerville's presentation, she felt it was important to note on the slides that the project funds include grant funding and approved budget.

Action: M/S/C (Kimball/Ford) recommended that the full Board of Directors authorize the General Manager to execute an agreement with Rite-Way Roof Corporation to replace the District Headquarters roof.

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



4. Monthly Department Updates Information Item

4.1 Engineering Department Update

Engineering Manager Mr. Richardson presented department highlights and Engineering Assistant Sonja Flores provided an update on the District's Grant Funding efforts to the Committee, presentation attached. Director Kimball expressed his thanks to the team for what a great job they are doing.

4.2 Environmental Services Department Update

Environmental Services Manager Marissa Caringella presented department updates on environmental compliance, Principal Environmental Scientist Randall McInvale presented an environmental status update relative to the Phase 1 EBB Project, and Environmental Scientist Evan Lashly highlighted environmental activities supporting the Freeman Diversion operation to the Committee, presentation attached.

Director Kimball commented that these highlights demonstrate how the District takes initiative of ideas, strives to be part of improving a system, and cares by doing the right thing. He said this work makes him proud to serve as a Director. Director Keeling encouraged staff to bring behind the scenes projects/achievements to the Committee more often so they can be celebrated, additionally, they are fun to see.

4.3 Operations and Maintenance Department Update

Chief Operations Officer Craig Morgan presented department highlights to the Committee, presentation attached.

5. Future Agenda Items

No future agenda items were offered by the Committee.

ADJOURNMENT

Director Keeling adjourned the meeting at 10:58 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 September 3, 2026.

ATTEST: _____
Chair Catherine Keeling



1

Motion Item 3.1

Recommend approval of the motion item to the full Board of Directors authorizing the General Manager to execute a construction agreement with Sam Hill & Sons, Inc. in the amount of \$6,106,190 for the construction of a conveyance beneath Vineyard Avenue to connect the Saticoy Recharge Facility to Ferro Basin (CIP 8018 Freeman Diversion Improvement Project – Conveyance)

- Two – 60-Inch RCP from Noble 3 to Ferro
- 375 cfs Design Flow
- Estimated 2,000 to 3,000 AFY (Long-Term Average)
- \$1M Grant Funding (IRWM Prop 1, Round 2)

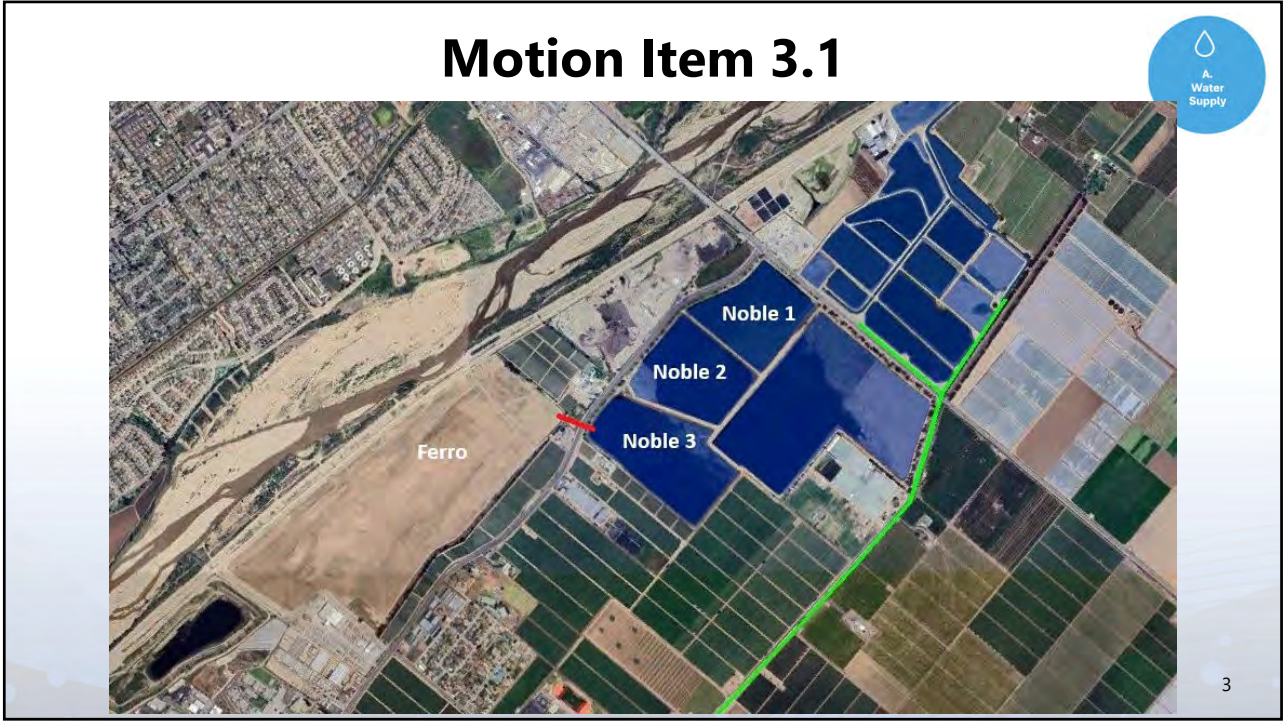
Bidder	Bid Amount
Sam Hill & Sons, Inc.	\$6,106,190
Cedro Construction, Inc.	\$6,447,364
J.W. Fowler	\$8,836,800
Bosco Constructors, Inc.	\$9,327,000
Engineer's Estimate (HDR)	\$5,817,625



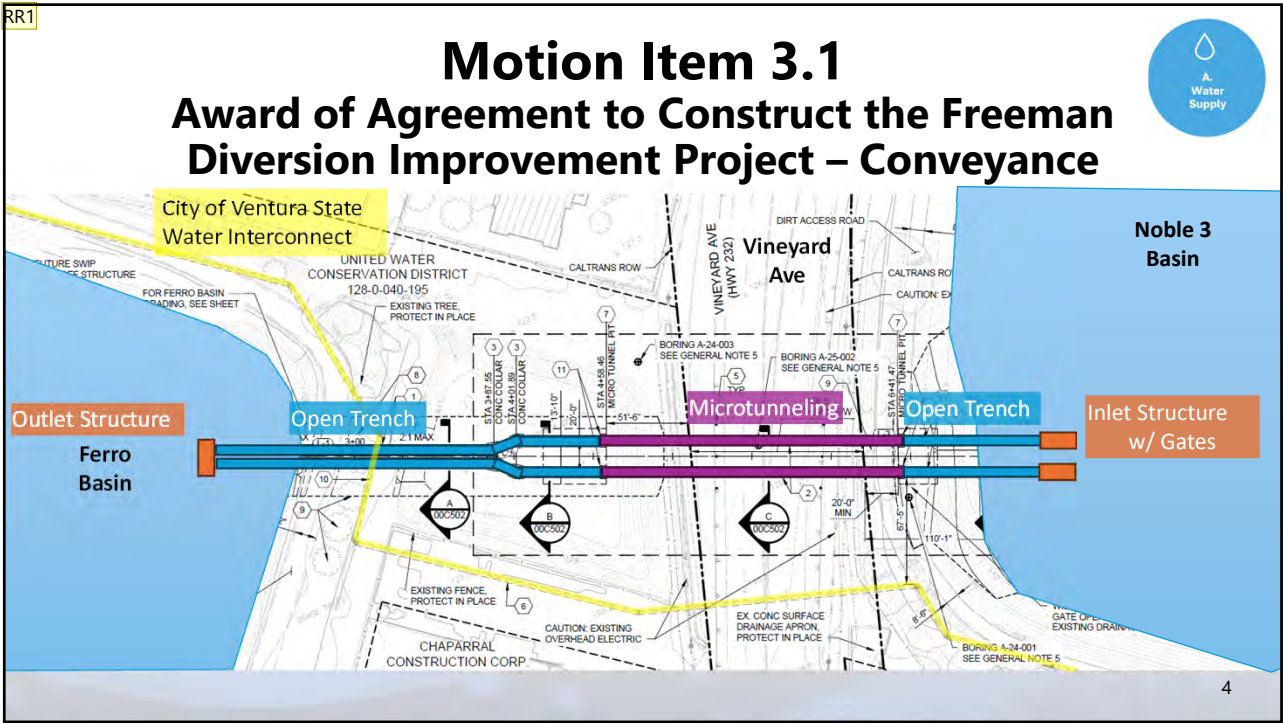
RR1

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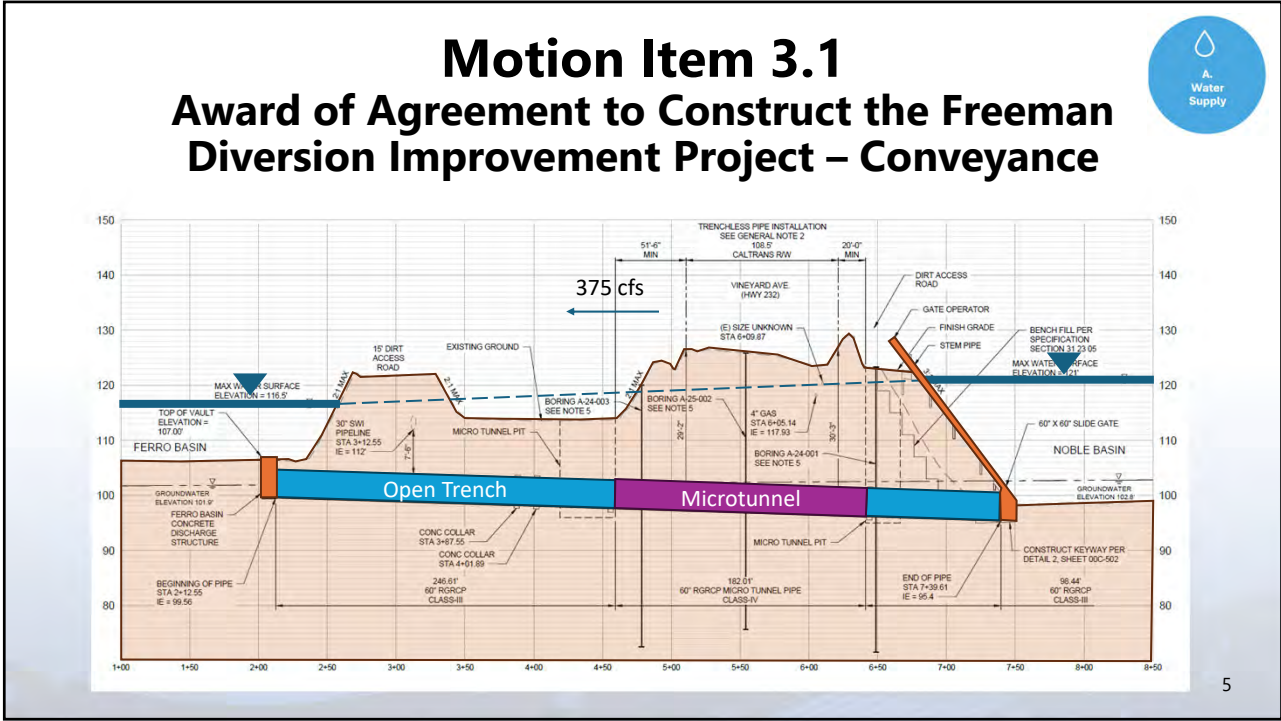
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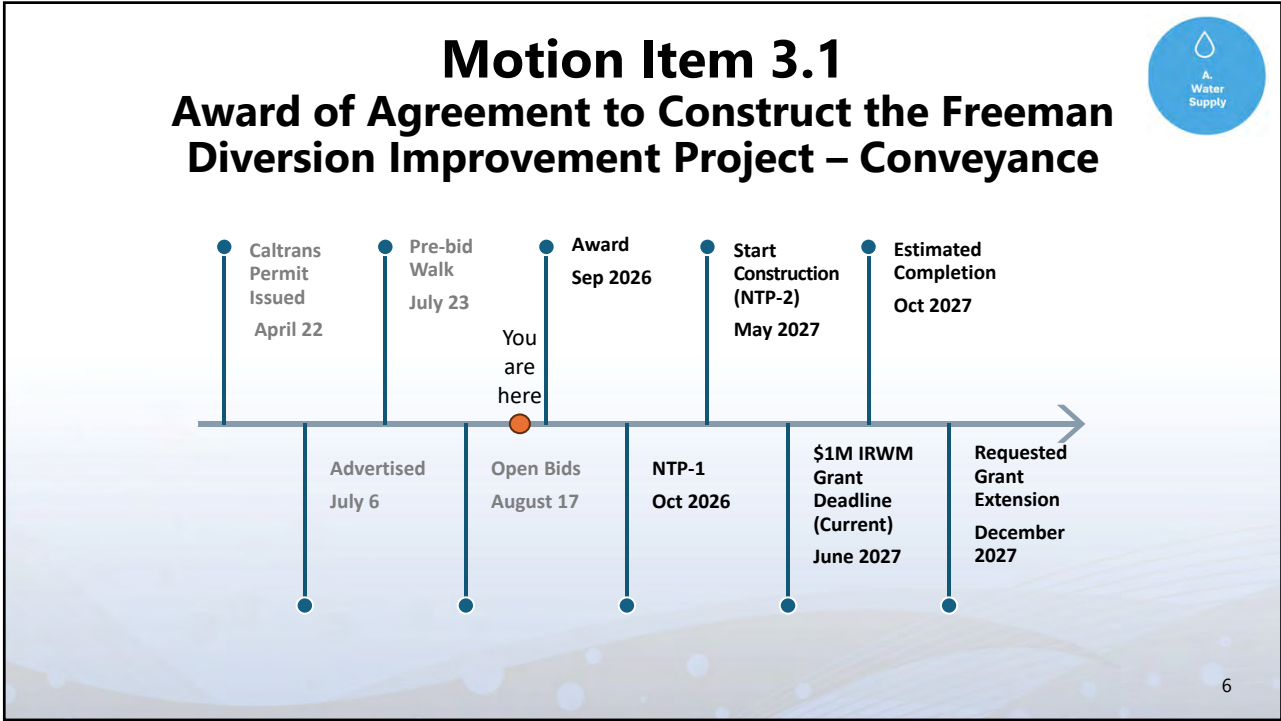
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Motion Item 3.1

Recommend approval of the motion item to the full Board of Directors authorizing the General Manager to execute a construction agreement with Sam Hill & Sons, Inc. in the amount of \$6,106,190 for the construction of a conveyance beneath Vineyard Avenue to connect the Saticoy Recharge Facility to Ferro Basin (CIP 8018 Freeman Diversion Improvement Project – Conveyance)



Bidder	Bid Amount
Sam Hill & Sons, Inc.	\$6,106,190
Cedro Construction, Inc.	\$6,447,364
J.W. Fowler	\$8,836,800
Bosco Constructors, Inc.	\$9,327,000
Engineer's Estimate (HDR)	\$5,817,625

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Motion Item 3.2

Recommend approval of the motion item to the full Board of Directors authorizing the General Manager to execute the Professional Consulting Services Agreement for construction management and inspection related services with HDR Engineering, Inc. for the not-to-exceed amount of \$539,900 to support the construction of Vineyard Avenue Crossing to connect the Saticoy Recharge Facility to Ferro Basin (CIP 8018 Freeman Diversion Improvement Project – Conveyance)



Cost

- Time and Materials not-to-exceed \$539,900

Scope Includes

- Pre-Construction Support
- Construction Management
- Full-time Microtunneling inspection (Subject Matter Expert)
- Full-time General Inspection (Senior Inspector)
- Closeout Support



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Motion Item 3.3

Recommend approval of the motion item to the full Board of Directors authorizing the General Manager to execute an agreement with Rite-Way Roof Corporation in the amount of \$360,000 to construct a roof replacement at the District headquarters



Cost

- Time and Materials not-to-exceed - \$360,000

Scope Includes

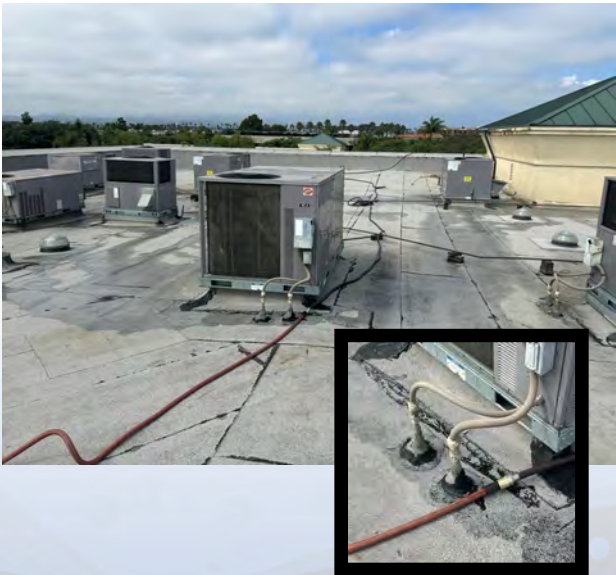
- Remove existing Built-Up Roof (BUR) at vertical walls
- Mechanically fasten insulation cover boards
- Fully adhere new PVC membrane roof
- Flash around HVAC, drains, and pipe penetrations
- Seal and caulk around penetrations
- Install walk pad around HVAC units
- 2-year Contractor warranty for workmanship
- 25-year manufacturer's warranty



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Motion Item 3.3



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Motion Item 3.3



eziQC® in California Through Sourcewell

Gordian's Job Order Contracting (JOC), known as eziQC, is available in California through Sourcewell contract #091620-GGI. eziQC brings speed and efficiency to the construction procurement process by establishing local, competitively awarded prices upfront, in the form of a Unit Price Book, eliminating the need to bid on each project separately. Avoid the red tape of traditional procurement, issue POs in days and still satisfy your local competitive bidding requirements with eziQC.

Joint Scope Meeting

➤

Detailed Scope of Work

➤

Price Proposal

➤

Price Proposal Review

➤

Job Order Issued

Gordian's JOC solutions enhance owner/contractor collaboration by following a transparent, flexible and repeatable process.



About Sourcewell

Sourcewell is government empowering government since 1978. Throughout North America, Sourcewell streamlines the public procurement process by conducting competitive solicitations on behalf of 50,000 participating agencies awarding the most responsive and responsible suppliers. Agencies can purchase from hundreds of awarded contracts delivered through a local dealer or representative. Sourcewell staff work as force multipliers, empowering the public sector to fulfill their community service mission.

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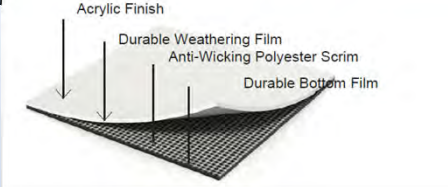
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Motion Item 3.3

Recommend approval of the motion item to the full Board of Directors authorizing the General Manager to execute an agreement with Rite-Way Roof Corporation in the amount of \$360,000 to construct a roof replacement at the District headquarters



IB PVC Single Ply 80





Google Earth

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12

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Water Sustainability Project Status



Santa Felicia Dam Safety Improvement

- Outlet Works – Preparation for Construction Bidding
- Spillway Rehabilitation – 90% Design Complete



Freeman Diversion and Conveyance

- Denil Improvement Project – 60% Design Complete
- Vineyard Avenue Crossing (Noble 3 to Ferro Basin) – Construction Ready



Extraction Barrier and Brackish Water Treatment

- Phase 1 – 60% Design Underway
- Outgrant Easement Acquisition Underway

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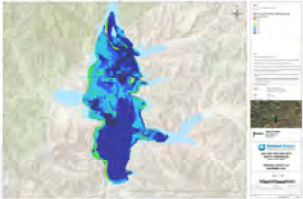
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B. System Reliability

Santa Felicia Dam SIP

- A PCSA with DEA was executed in late July to conduct the 2026 Lake Piru Bathymetric Survey for \$122,840
 - Last survey was conducted in December 2023
 - Special inspection of the Intake Tower
- FERC Dam Inspection on August 27

LM1



2023 LPRA Bathymetric Survey

LM2



FERC Inspection on August 27, 2026

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B. System Reliability

Pleasant Valley Pipeline

- On-site manhole work began August 20
- Off-site manhole work completed August 14







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RR2

Asset Management

- Field assessment of Cathodic Protection System in segment of OH Pipeline scheduled for October 5
- Primary test segment:

LM1



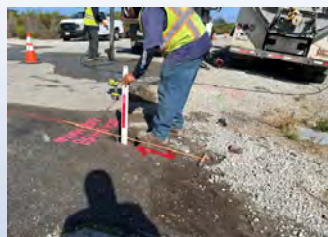
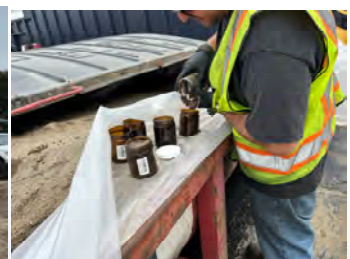
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EBB Water Project Phase 1



- Potholing efforts have been completed
- Piezometer well work, starting TBD



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Funding Efforts

D. Fiscal Responsibility

A. Water Supply

B. System Reliability







- FEMA 2024/2025 BRIC** (Building Resilient Infrastructure and Communities Program)
 - Sub-application submitted: June 5
 - Project: SFD Outlet Works Improvement Project
 - Award Ceiling: \$20M
 - Ask: \$20M

- FEMA FY26 National Dam Safety Program Rehabilitation of High Hazard Potential Dams (HHPD)**
 - Part 1/NOI submitted: August 24
 - Part 2/full application due: October 31
 - Project: Risk Assessment Analysis related to SFD Safety Improvement Projects
 - Ask: \$350,000
 - Federal Cost Share: Up to 65%

- OLDCC FY26 DCIP** (Defense Community Infrastructure Program)
 - Application submitted: June 25
 - Project: EBB Phase 1
 - Award Ceiling: \$20M
 - Ask: \$4M

- DWR DSCR** (Dam Safety and Climate Resilience Local Assistance Program)
 - NOFO estimated release date: September – December 2026
 - Project: SFD Outlet Works Improvement Project

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Questions?



United Water
CONSERVATION DISTRICT

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SFDSIP Progress

In August FERC issued:

- Santa Felicia Project FERC license amendment
- Final NEPA Environmental Assessment
- Acknowledgement of proposed rule to revise designated critical habitat

ENVIRONMENTAL ASSESSMENT
FOR THE SANTA FELICIA DAM SAFETY IMPROVEMENT PROJECT

Santa Felicia Project—FERC Project No. 2153-066
California



Federal Energy Regulatory Commission
Office of Energy Projects
Division of Hydropower Administration and Compliance
888 First Street, NE
Washington, D.C. 20426

196 FERC ¶ 62,082
UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

United Water Conservation District Project No. 2153-066

ORDER AMENDING LICENSE TO MODIFY THE SPILLWAY, OUTLET WORKS,
OUTLET CHANNEL, AND DAM CREST, REVISE PROJECT DESCRIPTION,
REVISE INSTALLED CAPACITY, AND APPROVE REVISED EXHIBIT F
DRAWINGS

(Issued August 18, 2026)

1. On May 27, 2020, as supplemented on August 9, 2022, May 24, 2023, January 3, 2024, and September 30, 2024,¹ United Water Conservation District (UWCD), licensee for the Santa Felicia Project No. 2153 (project),² filed an application for a non-capacity license amendment to modify the project's spillway, outlet works, outlet channel, and dam crest. The project is located on Puro Creek in Ventura County, California, and occupies federal lands managed by the U.S. Forest Service (Forest Service).

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EBB Phase 1 – Environmental Status Update

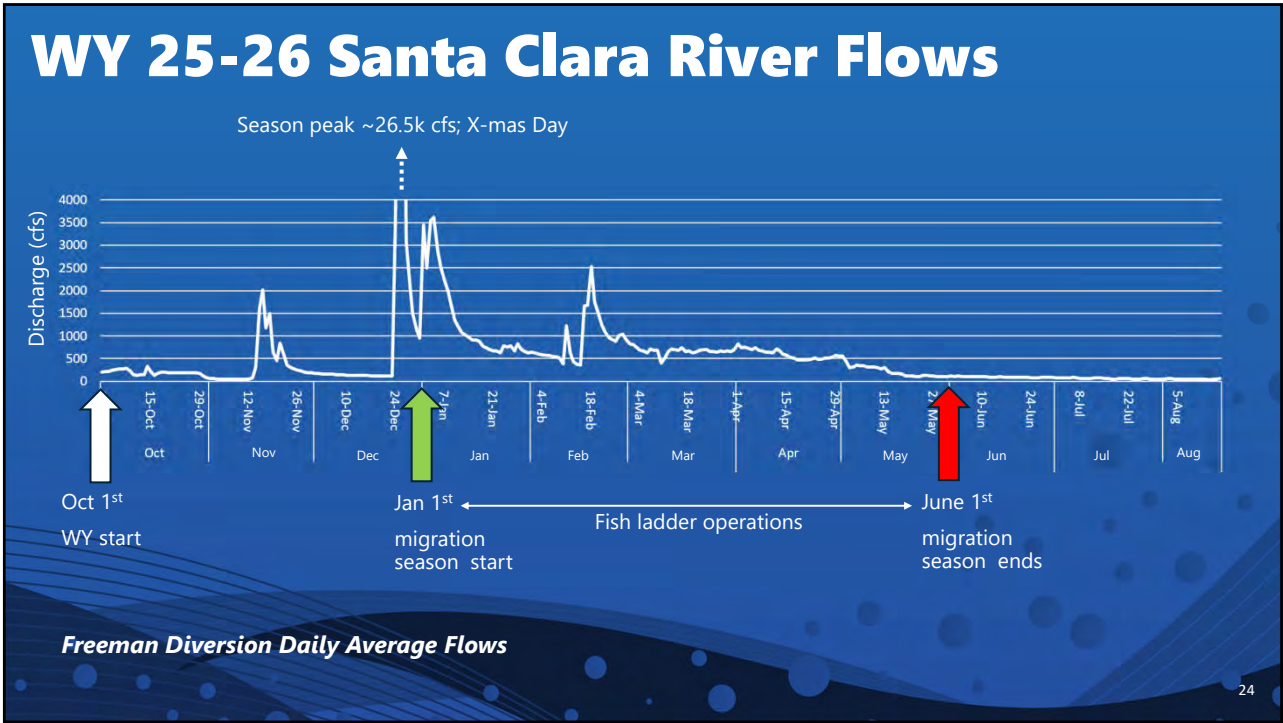
Major Permits and Consultations

- NEPA – *Active, with the Navy*
 - CA Coastal Commission – *Navy Leading*
 - Wildlife Consultations – *Navy Leading*
 - ESA, MMPA, EFH – *Active, with Navy*
- CEQA – *In preparation*



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Freeman Operations Improvements
Fish Ladder Supplemental Water Supply



April 13, 2026
• pilot pump installed

June 5, 2026
• permanent pump installed

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Fish Ladder Monitoring Results

Triggering Event	# Clips
<i>O. mykiss</i>	11
unidentified fish	1
bird	154
bug	74
debris	11
high water	289
no noticeable trigger	77
splashing water	169
cleaning/testing	228
Grand Total	1014



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Fish Ladder Monitoring Results

<i>O. mykiss</i> Events	# Clips
4/23/2026	1
5/2/2026	3
5/3/2026	2
5/5/2026	2
5/6/2026	1
5/10/2026	1
5/12/2026	1
Grand Total	11

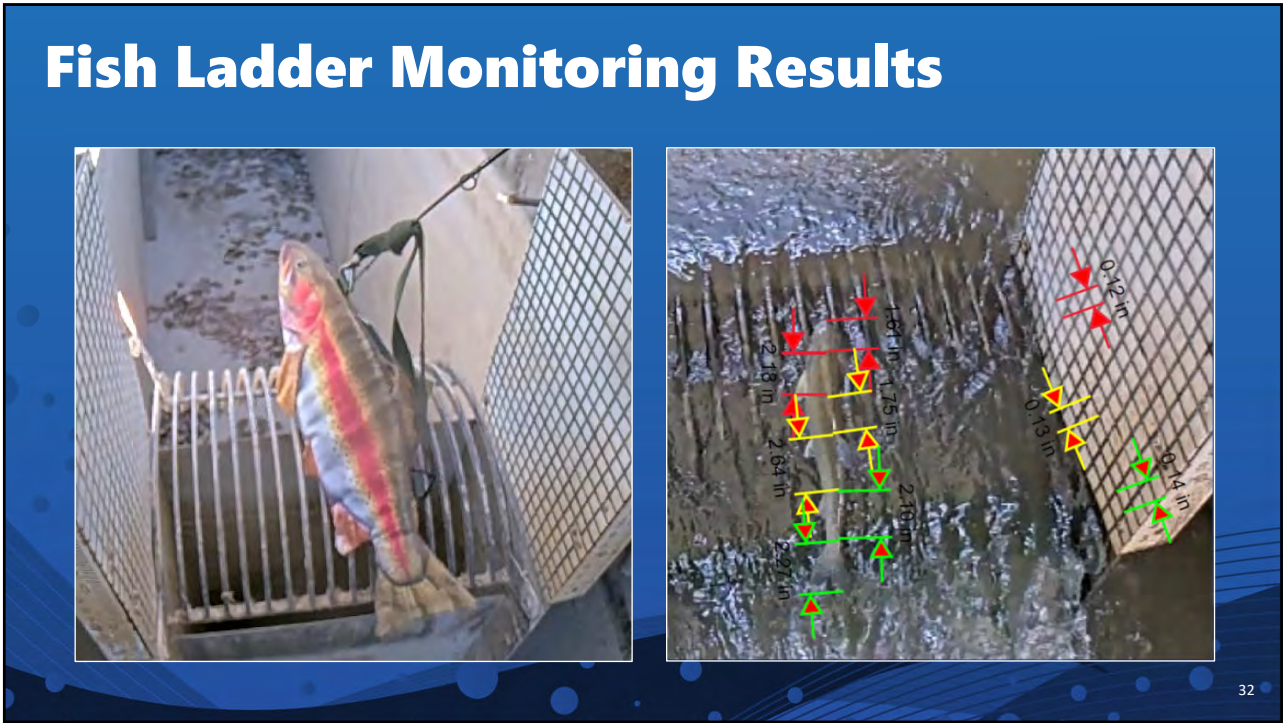


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Pacific Lamprey

2024

- 24 adults
- 4 juveniles

2025

- 17 adults
- 110 juveniles

2026

- 21 adults
- 24 juveniles

Adult



February 2024

Juvenile



June 2024

Feb 2025

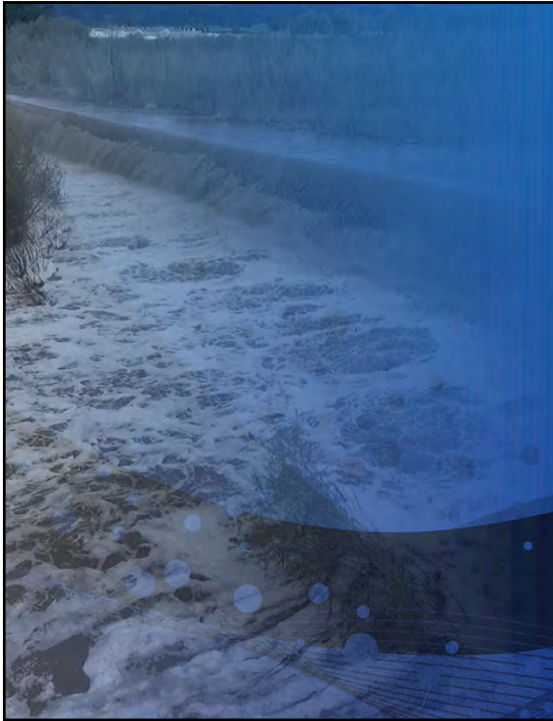


Juvenile (ready to migrate to ocean)

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THANK YOU





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Santa Felicia Dam



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Santa Felicia Dam



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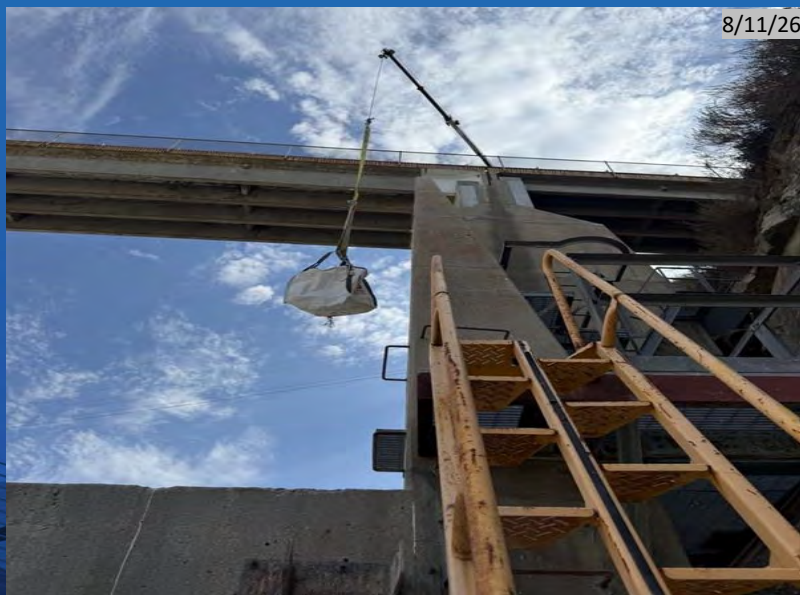
Santa Felicia Dam



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Santa Felicia Dam



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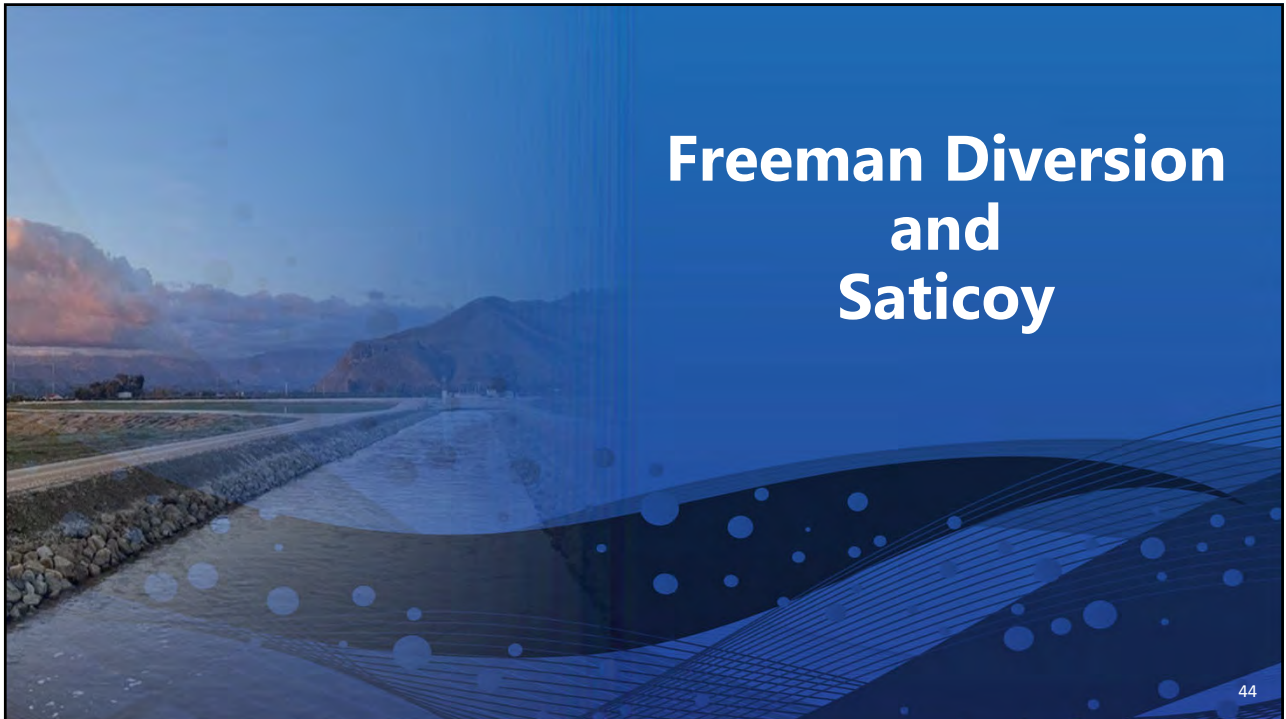
Santa Felicia Dam



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Freeman Diversion and Saticoy



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Saticoy Recharge Basins



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Saticoy Recharge Basins



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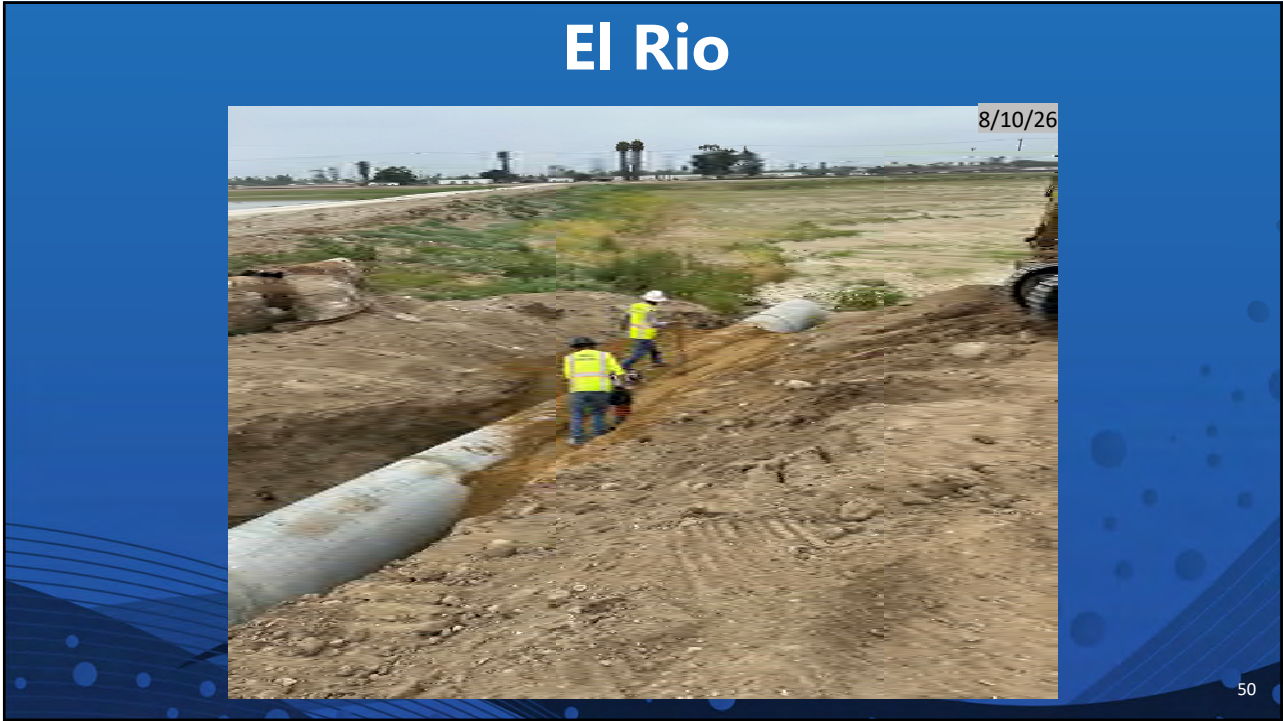
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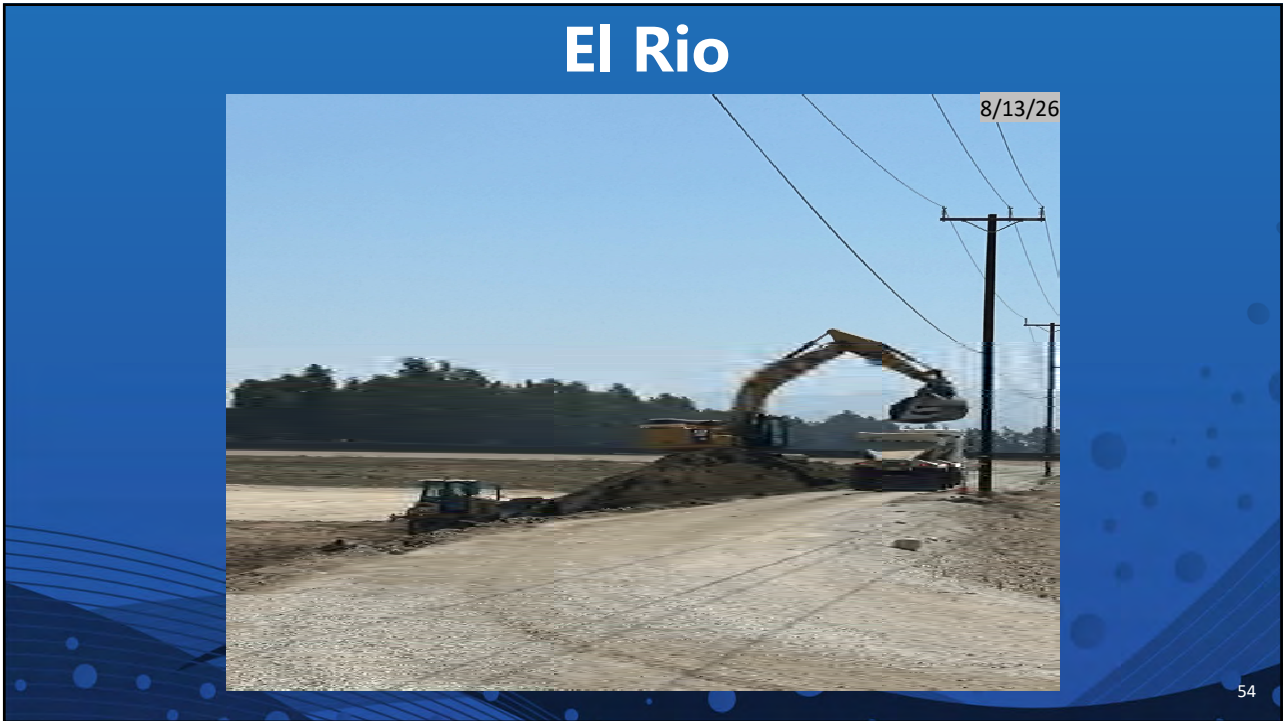
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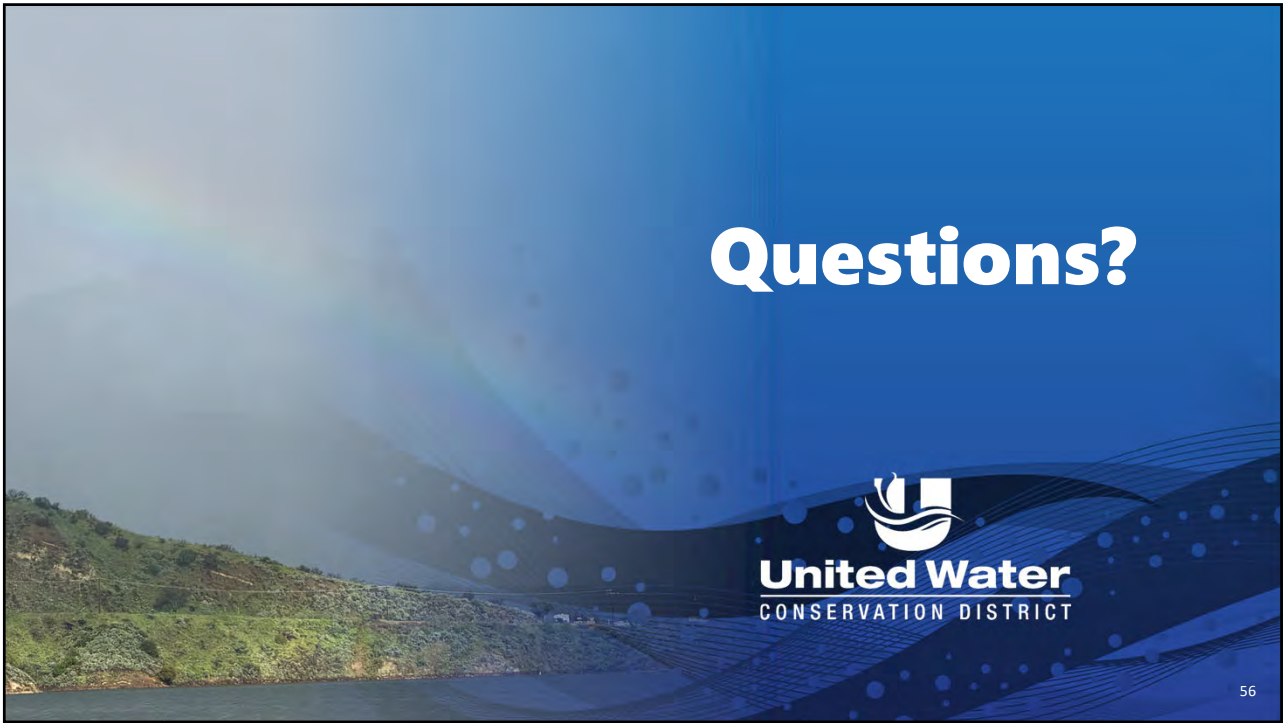
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STAFF REPORT

To: Engineering and Operations Committee Members

Through: Mauricio Guardado, General Manager
Dr. Maryam Bral, Assistant General Manager
Suparna Jain, Partner, AALRR

From: Nathan Summerville, Senior Engineer
Craig Morgan, Chief Operations Officer
Robert Richardson, Engineering Manager

Date: September 23, 2026 (October 1, 2026, meeting)

Agenda Item: 3.1 Improved Denil Professional Consulting Services Agreement
for the 90% Design Milestone
Motion

Staff Recommendation:

Recommend full Board approval to authorize the General Manager to execute a Professional Consulting Services Agreement with GEI Consultants, Inc. (GEI) to complete the 90% design milestone for the Improved Denil Project, which is part of CIP 8001 Freeman Diversion Improvement Project - Denil.

Background:

The Improved Denil has been identified as a feasible alternative that will provide environmental and operational benefits in a shorter timeframe and at a reduced cost compared to other alternatives. In September 2025, GEI and Northwest Hydraulics Consultants (NHC) completed the conceptual design of the new alternative, which consists of improving the current fish passage and diversion facility. Following completion of the conceptual design, the District authorized development of the 30% design and subsequently the 60% design. The 60% design package was submitted to the District for review on August 31, 2026.

Discussion:

The Freeman Diversion Improvement Project has five primary goals: 1) improve fish passage compared to the current facility, 2) increase diversion capabilities, 3) reduce construction impacts to fish passage and riparian habitat, 4) reduce construction interruption of water diversions, and 5) reduce construction costs.

The proposed Professional Consulting Services Agreement with GEI would advance the project from 60% design to 90% design. The scope includes continued civil, structural, mechanical, electrical, and hydraulic design development; advancement of the design drawings and technical specifications; preparation of an updated design report documenting the design basis, analyses, and key project features; development of an updated Opinion of Probable Construction Cost (OPCC), construction phasing plan,

**Agenda Item: 3.1 Improved Denil Professional Consulting Services Agreement
for the 90% Design Milestone
Motion**

construction schedule, and constructability review; preparation of a comment response sheet; and continued development of the project three-dimensional model. The scope also includes continued refinement of the fish collection and relocation facility, primary fish screens, auxiliary water system expansion, fishway and ladder upgrades, maintenance access improvements, diversion structure refacing, and associated structural, mechanical, and electrical improvements. The consultant team is currently performing physical modeling of a representative portion of the Denil ladder under the 60% agreement, which will be performed concurrently with the 90% design effort and conclude in December 2026.

GEI will utilize several specialized subconsultants to support the 90% design effort. NHC will continue to provide hydraulic and fisheries engineering support, including computational fluid dynamics modeling, fish passage hydraulic evaluations, fish screen hydraulic analyses, operational evaluations, and preparation of supporting hydraulic documentation. Frisch Engineering will provide electrical engineering support, and Integrated Engineering Services will provide support for development of the OPCC, construction schedule, and constructability review.

Mission Goal:

The purpose of this agreement aligns with Goal A – Water Supply.

Fiscal Impact:

The not-to-exceed fee of \$1,710,000 is included in the Fiscal Year 2026-27 budget for CIP 8001 (421-400-81020-8001-815).

Attachment:

Attachment A – Professional Services Agreement with GEI for 90% Design of the Freeman Diversion Improvement Project - Denil

AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES

THIS AGREEMENT (“Agreement”) is made and entered into on _____, 2026, by and between the **United Water Conservation District**, Ventura County, California, (hereinafter “**UNITED**”), and **GEI Consultants Inc.** (hereinafter “**CONSULTANT**”).

RECITALS:

WHEREAS, UNITED desires to obtain professional engineering consultation services in connection with the **Freeman Diversion Improvement Project - Denil** (“Project”); and

WHEREAS, UNITED has selected CONSULTANT to provide such services; and

WHEREAS, CONSULTANT represents that it has the skills, experience, license, and expertise to perform these professional services for UNITED; and

WHEREAS, UNITED is desirous of engaging the services of CONSULTANT to perform these services;

NOW, THEREFORE, based on the terms and covenants set forth herein, UNITED and CONSULTANT mutually agree as follows:

1. EMPLOYMENT

A. UNITED hereby employs CONSULTANT to perform and complete the professional engineering services as set forth in Exhibit “A” (“Scope of Work/Schedule of Charges”). CONSULTANT shall perform such professional services as set forth in Exhibit “A” and shall furnish or procure the use of incidental services, equipment, and facilities reasonably necessary for the completion of services.

B. Any extra work over and above that included in the Scope of Work included in Exhibit “A” shall be in compliance with Section 3D.

C. CONSULTANT represents that its services shall be performed, within the limits prescribed by UNITED, in a manner consistent with the level of care and skill ordinarily exercised by other engineering professionals under similar circumstances at the time and in the vicinity its services are performed.

D. **Rich Sanchez** shall: (a) personally perform or supervise the performance of services on a day-to-day basis on behalf of CONSULTANT; and (b)

maintain direct communication with UNITED's **Craig Morgan** or designee in the performance of CONSULTANT's services.

E. CONSULTANT in the performance of services hereunder shall fully comply with any and all local, state and federal laws, regulations, ordinances, and policies applicable to its work, including any licensing laws applicable to CONSULTANT's profession and anti-discrimination laws pertaining to employment practices.

F. In the event of any conflict between the terms and conditions set forth in Exhibit A (Scope of Work/Schedule of Charges) versus those terms and conditions set forth in this Agreement, the terms and conditions set forth in this Agreement shall govern and the conflicting terms and conditions in Exhibit A shall not apply.

2. TERM OF AGREEMENT

Unless otherwise earlier terminated as specified in Section 8, this Agreement shall commence on the date set forth above and shall expire on **June 30, 2027**.

3. COMPENSATION

Payment by UNITED for the consulting services shall be considered as full compensation for all personnel, materials, supplies, and equipment used in carrying out the work.

A. Compensation and payments to the CONSULTANT shall be as described below:

1. UNITED shall compensate CONSULTANT on a time and expenses basis not to exceed **one million seven hundred and ten Thousand dollars (\$1,710,000)** for performing all services authorized and required by this Agreement and specified in Exhibit "A." UNITED shall compensate CONSULTANT only for actual costs incurred on a time and expenses basis, but in no event shall the total compensation be greater than the not to exceed amount above. However, the total amount paid on a time and expenses basis may be lower than the not to exceed amount above based on actual costs incurred. Payment shall be made in accordance with CONSULTANT's Schedule of Charges submitted to UNITED, included in Exhibit "A" attached and incorporated by reference herein.

2. CONSULTANT shall provide UNITED with monthly itemized invoices. Invoices shall include the categories and identities of CONSULTANT's employees performing services, a description of the services, the number of hours spent performing services, the hourly rate for each employee, CONSULTANT's actual costs and expenses, and the total amount of compensation requested by CONSULTANT for that month. Upon UNITED's request, CONSULTANT shall include with its monthly invoices a detailed verification, including accounting

records, of the work actually performed and costs and expenses incurred, along with any other documents or information reasonably requested by UNITED.

B. UNITED shall pay CONSULTANT within thirty (30) days after receipt of CONSULTANT's invoices, with the exception of any disputed amounts which shall be withheld until resolution of the dispute. If UNITED has reasonable grounds to believe that CONSULTANT will be unable to materially perform the services under this Agreement, or there exists or may exist a claim against CONSULTANT arising out of CONSULTANT's negligence or intentional acts, errors, omissions, or material breach of any provision of this Agreement, then UNITED may withhold payment of any reasonable amount due to CONSULTANT which is directly related to such negligence, intentional act, error, omission or material breach. No payment made under this Agreement shall be conclusive evidence of CONSULTANT's performance of the Agreement, either wholly or in part, and no payment shall be construed to be an acceptance by UNITED of CONSULTANT's work.

C. CONSULTANT shall notify UNITED in writing of the need for additional services required due to the circumstances beyond the CONSULTANT's control ("Additional Services"). The CONSULTANT shall obtain written authorization from UNITED before rendering any Additional Services. Compensation for all approved Additional Services shall be negotiated and approved in writing by UNITED before such Additional Services are performed by CONSULTANT. No compensation shall be paid to the CONSULTANT for any Additional Services that are not previously approved by UNITED in writing.

D. Reimbursable expenses, if applicable, are in addition to compensation for services outlined in the Scope of Work and Additional Services, and shall be paid to the CONSULTANT in accordance with the guidelines specified on Exhibit "B". Reimbursable expenses are paid at the actual costs, without mark-ups, incurred by the CONSULTANT and the CONSULTANT's employees in conduct of Agreement activities.

4. SCHEDULE OF WORK

CONSULTANT shall complete and deliver services and deliverables to UNITED in a diligent and professional manner, in accordance with the Project schedule set forth in Exhibit "A" attached and incorporated by reference herein. Time is of the essence in CONSULTANT's performance of services hereunder.

CONSULTANT's Project Manager shall keep UNITED's **Chief Operations Officer**, or designee informed as to the progress of work by informal reports. Neither party shall hold the other responsible for damages or delay in performance caused by acts of God, strikes, lockouts, accidents, or other events beyond the reasonable control of the other or the other's employees and agents.

5. ASSIGNMENT OF CONTRACT

This Agreement is a professional services contract. CONSULTANT shall not assign this Agreement or any portion of the work without the prior written approval of UNITED. Any such assignment without UNITED's prior written approval shall be void. UNITED may withhold such approval for any reason in its sole discretion.

6. INDEMNIFICATION

To the fullest extent permitted by law, CONSULTANT agrees to indemnify and hold UNITED entirely harmless from all liability arising out of:

1. Workers' Compensation and Employer's Liability. Any and all claims under Workers' Compensation acts and other employee benefit acts with respect to CONSULTANT's employees or CONSULTANT's subconsultant's employees arising out of CONSULTANT's work under this Agreement; and

2. General Liability. To the extent arising out of, pertaining to, or relating to the negligence, recklessness, or willful misconduct of the CONSULTANT, the CONSULTANT shall indemnify, defend and hold UNITED harmless from any liability for damages for (1) death or bodily injury to person; (2) injury to, loss or theft of property; (3) any failure or alleged failure to comply with any provision of law; or (4) any other loss, damage or expense arising under either (1), (2), or (3) above, sustained by the CONSULTANT or UNITED, or any person, firm or corporation employed by the CONSULTANT or UNITED upon or in connection with the Project, except for liability resulting from the sole or active negligence, or willful misconduct of UNITED, its officers, employees, agents, or independent consultants who are directly employed by UNITED. The CONSULTANT, at its own expense, cost, and risk, shall defend any and all claims, actions, suits, or other proceedings (other than professional negligence covered by Section A3 below) that may be brought or instituted against UNITED, its officers, agents, or employees, to the extent such claims, actions, suits, or other proceedings arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the CONSULTANT, and shall pay or satisfy any judgment that may be rendered against UNITED, its officers, agents, or employees, in any action, suit or other proceedings as a result thereof. Any costs to defend under this Section A2 shall not exceed the CONSULTANT's proportionate percentage of fault; and

3. Professional Liability. To the extent arising out of, pertaining to, or relating to the negligence, recklessness, or willful misconduct of the CONSULTANT, the CONSULTANT shall indemnify and hold UNITED harmless from any loss, injury to, death of persons, or damage to property caused by any act, neglect, default, or omission of the CONSULTANT, or any person, firm, or corporation employed by the CONSULTANT, either directly or by independent contract, including all damages due to loss or theft, sustained by any person, firm, or

corporation, including UNITED, arising out of, or in any way connected with, the Project, including injury or damage either on or off UNITED property; but not for any loss, injury, death, or damages caused by sole or active negligence, or willful misconduct of UNITED. With regard to the CONSULTANT's obligation to indemnify for acts of professional negligence, such obligation does not include the obligation to provide defense counsel or to pay for the defense of actions or proceedings brought against UNITED, but rather to reimburse UNITED for attorneys' fees and costs incurred by UNITED in defending such actions or proceedings brought against UNITED, and such fees and costs shall not exceed the CONSULTANT's proportionate percentage of fault.

7. INSURANCE

A. CONSULTANT shall procure and maintain for the duration of this Agreement, and for injuries which occur and claims which are made after the services herein are provided, insurance policies in accordance with the requirements set forth in Exhibit "C" attached and incorporated by reference herein. CONSULTANT shall also provide UNITED with a certificate of insurance attesting to its professional liability (errors and omissions) coverage and all required additional insured endorsements.

B. Submission of insurance certificates or endorsements or other proof of insurance shall not relieve CONSULTANT from liability under the indemnification provisions of Section 6. CONSULTANT's obligations in accordance with Section 6 shall apply whether or not such insurance policies shall have been determined to apply to any of such claims, damage, lawsuits, losses or liabilities covered by Section 6.

C. By its signature hereto, CONSULTANT certifies that it is aware of the provisions of California Labor Code Section 3700 which requires every employer to be insured against liability for workers compensation' or to undertake self-insurance as specified. CONSULTANT shall comply with these provisions before commencing work under this Agreement.

8. TERMINATION OF AGREEMENT

A. Termination for Cause

1. UNITED may terminate CONSULTANT's services for cause, whereupon this Agreement shall terminate immediately. Termination may occur regardless of whether CONSULTANT's services are completed. Any termination or special instructions from UNITED shall be made in writing.

2. Termination for cause may occur upon any of the following events: (a) CONSULTANT's material breach of this Agreement; (b) abandonment or lack of diligence in performance of the work by CONSULTANT; (c) cessation, suspension,

revocation or expiration of any license needed by CONSULTANT to provide services hereunder; (d) failure of CONSULTANT to substantially comply with any local, state or federal laws, regulations, ordinances or policies applicable to its work hereunder; (e) filing by or against CONSULTANT of bankruptcy or any petition under any law for relief of debtors; or (f) conviction of CONSULTANT or its principal representative or personnel for any crime other than minor traffic offenses.

3. Subject to the provisions of Section 3.B herein, CONSULTANT shall be paid for all approved services performed and approved expenses incurred to the date of termination for cause supported by documentary evidence, including payroll records and expense reports, up to the date of the termination. In the event of termination for cause, all damages and costs associated with the termination, including increased consultant and replacement consultant costs, shall be deducted from any payments due to CONSULTANT.

4. In the event a termination for cause is determined to have been made wrongfully or without cause, then the termination shall be treated as a termination for convenience in accordance with Section 8.B below, and CONSULTANT shall have no greater rights than it would have had if a termination for convenience had been effected in the first instance. No other loss, cost, damage, expense or liability may be claimed, requested or recovered by CONSULTANT.

B. Termination Without Cause/For Convenience. This Agreement may be terminated without cause by UNITED or for UNITED's convenience upon fourteen (14) days' written notice to the CONSULTANT. In the event of a termination without cause, UNITED shall pay the CONSULTANT for all approved services performed and all approved expenses incurred under this Agreement supported by documentary evidence, including payroll records and expense reports, up until the date of the notice of termination. In addition, CONSULTANT will be reimbursed for reasonable termination costs through the payment of 3% beyond the sum due the CONSULTANT under this section through 50% completion of the CONSULTANT's portion of the Project and, if 50% completion is reached, payment of 3% of the unpaid balance of the contract to CONSULTANT as termination cost. This 3% is agreed to compensate the CONSULTANT for the unpaid profit CONSULTANT would have made under the Project on the date of termination and is consideration for entry into this termination for convenience clause.

C. In the event of termination with or without cause, CONSULTANT shall promptly provide to UNITED all Project Documents as defined in Section 9 below within five (5) calendar days from the effective date of termination. Failure to provide all Project Documents as required shall be deemed a material breach of this Agreement.

D. In the event of a dispute as to the performance of the work or an interpretation of this Agreement, or payment or nonpayment for work performed or

not performed, the parties shall attempt to resolve the dispute. Pending resolution of the dispute CONSULTANT agrees to continue the work diligently to completion. If the dispute is not resolved, CONSULTANT agrees it will neither rescind the Agreement nor stop the progress of work, but CONSULTANT's sole remedy will be to submit such controversy to determination by a court having competent jurisdiction of the dispute as required by this Agreement after the Project has been completed and not before.

9. PROFESSIONAL SERVICES

A. The CONSULTANT is employed to render a professional service(s) only and any payments made to it are compensation solely for such services as it may render and recommendations it may make in the performance of services.

B. All plans, specifications, construction documents, data, records, files, communications, information, reports and/or other documents that are prepared, generated, reproduced, maintained and/or managed by the CONSULTANT or CONSULTANT's subconsultants arising from or in any way related to the services provided under this Agreement (regardless of medium, format, etc.) shall be and remain the property of UNITED ("Project Documents"). UNITED may provide the CONSULTANT with a written request for the return of the Project Documents at any time. Upon CONSULTANT's receipt of UNITED's written request, CONSULTANT shall return the requested Project Documents to UNITED within five (5) calendar days. CONSULTANT may make copies of the work generated. Failure to comply with any such written request above shall be deemed a material breach of this Agreement. Nothing in this paragraph shall be deemed a waiver of any copyright in the Project Documents prepared by the CONSULTANT. Any unauthorized reuse or modification of such Project Documents other than for purposes intended by CONSULTANT or for the Project shall be at UNITED's risk and liability.

C. CONSULTANT agrees that all dealings of the parties under this Agreement shall be confidential and no Project Documents or information developed, prepared or assembled by CONSULTANT under this Agreement, or any information made available to CONSULTANT by UNITED, shall be revealed, disseminated or made available by CONSULTANT to any person or entity other than UNITED without the prior written consent of UNITED, unless otherwise required by subpoena or applicable law or regulatory authority.

10. INDEPENDENT CONTRACTOR RELATIONSHIP

It is expressly understood between the parties that no employee/employer relationship is intended, the relationship of CONSULTANT to UNITED being that of an independent contractor. UNITED shall not be required to make any payroll deductions or provide Worker's Compensation Insurance coverage or health benefits to CONSULTANT. CONSULTANT is solely responsible for selecting the means,

methods and procedures for performing its services hereunder as assigned by the UNITED and for coordinating all portions of the work so the results will be satisfactory to UNITED. CONSULTANT will supply all tools and instruments required to perform its services under this Agreement.

11. ASSISTANCE BY UNITED

It is understood and agreed that the UNITED shall, to the extent reasonable and practicable, assist and cooperate with CONSULTANT in the performance of CONSULTANT's services hereunder. Such assistance does not include, in any manner, the exercise of professional judgment for which CONSULTANT is being retained herein. Such assistance and cooperation to be provided by UNITED as applicable includes, but shall not be limited to, providing right of access to work sites; providing material available from the UNITED's files such as maps, as-built drawings, records and operation and maintenance information; and rendering assistance in determining the location of existing facilities and improvements which may be affected by the Project. CONSULTANT shall otherwise be responsible for giving all notices and complying with all applicable laws, ordinances, rules, regulations and lawful orders of any public authority relating to the work.

12. ADDITIONAL PROVISIONS

A. Examination of Records

CONSULTANT agrees that UNITED shall have access to and the right to examine at any reasonable time and on reasonable notice CONSULTANT's documents, papers and records, including accounting records, relating to its performance under this Agreement.

B. Notice

All notices or other official correspondence relating to contractual matters between the parties shall be made by depositing the same as first-class, postage paid mail addressed as follows:

To CONSULTANT:	Rich Sanchez Senior Vice President/Area Manager GEI Consultants Inc. 35 N. Lake Avenue, Suite 220 Pasadena, CA 91101
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To UNITED:	Craig Morgan Chief Operations Officer United Water Conservation District 1701 North Lombard Street, Suite 200 Oxnard, CA 93030
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or such other address as either party may designate hereinafter in writing delivered to the other party. All notices shall be agreed to have been received three (3) days after mailing.

C. No Waiver

No failure or delay by UNITED in asserting any of UNITED's rights and remedies as to any default of CONSULTANT shall operate as a waiver of the default, of any subsequent or other default by CONSULTANT, or of any of UNITED's rights or remedies. No such delay shall deprive UNITED of its right to institute and maintain any actions or proceedings which may be necessary to protect, assert or enforce any rights or remedies arising out of this Agreement or the performance of this Agreement.

D. Integration

This Agreement constitutes the entire agreement between the parties pertaining to the subject matter hereto, and supersedes all prior agreements, oral or written, and all prior or contemporaneous discussions or negotiations between the parties.

E. Modification

No alteration or variation of the terms of this Agreement shall be valid unless made in writing and signed by the parties.

F. Rules of Interpretation

The terms of this Agreement have been negotiated by the parties and the language used in this Agreement shall be deemed to be the language chosen by the parties to express their mutual intent. This Agreement shall be construed without regard to any presumption or rule requiring construction against the party causing such instrument to be drafted, or in favor of the party receiving a particular benefit under this Agreement. No rule of strict construction shall be applied against any party to this Agreement.

G. Partial Invalidity

If any term, covenant, condition, or provision of this Agreement is found by a court of competent jurisdiction to be invalid, void, or unenforceable, the remainder of the provisions hereof shall remain in full force and effect, and shall in no way be affected, impaired, or invalidated thereby.

H. Incorporation of Recitals and Exhibits

The foregoing recitals and exhibits are incorporated herein as though fully set forth.

I. California Law; Dispute Resolution; Venue

This Agreement shall be interpreted and construed pursuant to the laws of the State of California, regardless of whether this Agreement is executed by any party in another state or otherwise. If a dispute arises between the parties related to this Agreement or the breach thereof, the parties shall first attempt in good faith to settle the matter through discussion, and if unsuccessful may in their discretion mutually agree to mediate the dispute prior to filing a judicial action. The costs of a third party mediator, if utilized, shall be borne equally by the parties. If either party elects to file an action in court, such action shall be filed and heard in a court of competent jurisdiction in the County of Ventura.

J. Counterparts

This Agreement may be executed in multiple counterparts, a complete set of which shall be deemed to be an original and all of which together shall comprise but a single document. Signatures may be given via facsimile transmission and shall be deemed given as of the date of facsimile transmittal of the executed Agreement by one party to the other.

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto.

UNITED WATER CONSERVATION DISTRICT

By _____
Mauricio E. Guardado, Jr., General Manager

GEI Consultants Inc.

By Richard Sanchez, Senior Vice President

**EXHIBIT “A” TO AGREEMENT FOR
PROFESSIONAL CONSULTING SERVICES**

CONSULTANT shall provide professional engineering consultation services under this Agreement in accordance with work described in the attached **Scope of Work** and **Schedule of Charges**.

September 21, 2026

Mr. Craig Morgan, P.E.
Chief Operations Officer
United Water Conservation District
1701 N Lombard St., Suite 200
Oxnard, CA 93030

**Subject: Freeman Diversion Improvement Project – 90% Design
Ventura County, California**

Dear Mr. Morgan:

GEI Consultants, Inc. (GEI) has prepared this scope of services, cost estimate, and schedule for the Freeman Diversion Improvement Project - 90% Design as requested by United Water Conservation District (UWCD). Our scope is based on discussions between GEI, UWCD, Northwest Hydraulics Consultants (NHC), Frisch Engineering, Inc. (Frisch), Integrated Engineering Services (IEC) and Latitude Surveying.

PURPOSE

The purpose of this proposed contract is to advance the 60% design drawings, technical specifications, Opinion of Probable Construction Cost (OPCC), and other associated deliverables to a 90% Design level.

SCOPE OF SERVICES

We propose to divide the scope of work for the Freeman Diversion Improvement Project – 90% Design into the following tasks:

- Task 1 – Project Management and Coordination
- Task 2 – 90% Analyses and Design
- Task 3 – 90% Design Drawings
- Task 4 – Technical Specifications
- Task 5 – 90% Design Criteria Technical Memorandum
- Task 6 – 90% Opinion of Probable Construction Cost (OPCC), Preliminary Construction Schedule, and Constructability Assessment
- Task 7 – Comment Response Sheet
- Task 8 – Three-dimensional (3-D) AutoCAD Model Development
- Task 9 – Refacing of Downstream Face of Existing Diversion Structure

The scope of work for each of these tasks is described in the sections below.

Task 1 – Project Management and Coordination

This task includes internal coordination and management of the GEI team, contract administration, project controls, progress reporting, and coordination with UWCD, and other UWCD consultants. GEI's project manager will coordinate with UWCD throughout the duration of the work, with assistance as needed from task leads. The following activities are included in this task:

- Management and supervision of the GEI design team.
- Coordination meetings with UWCD, NHC, Frisch, and IEC.
- Management, coordination, and evaluation of subconsultant services.
- Management of the project scope, schedule, and budget.
- Progress report included with submittal of monthly invoices.

Coordination and communications with UWCD include one-hour progress meetings every two weeks (virtual) to discuss project issues and progress, one-hour meetings with NHC every two weeks, and periodic meetings with Frisch and IEC as needed.

Task 2 – 90% Analysis and Design

GEI will perform civil, structural, mechanical, and electrical analyses and evaluations to advance the improvement project design and plans to a 90% level of completion. The engineering design criteria will be compiled in an updated design criteria report. Some of the key improvements include:

- Phase work to be completed in the dry seasons to reduce environmental impact.
- Improvements to the fishway and Denil ladder area.
- Bypass Channel Slab and Gate Work.
- Expanding the Auxiliary Water Supply.
- Redesigned and expanded fish collection and relocation area located at the fish bypass.
- Fish screen bay upgrades including new fish screens.
- Improved maintenance equipment access across the Freeman Canal.
- Refacing downstream face of existing Diversion Structure

Support for hydraulic analyses, modeling, and evaluations will be provided by NHC as GEI's subconsultant. NHC will provide the appropriate sizing and spatial arrangements of the improvement elements to satisfy the hydraulic requirements of UWCD's operations and the standard criteria of the Agencies.

The electrical design will be supported by Frisch while the OPCC will continue to be supported and further developed by IEC.

Task 3 – 90% Design Drawings

GEI will advance the 60% design drawings to a 90% level of completion based on civil, structural, mechanical, and electrical design development. The deliverable will be the 90% design plan set.

Task 4 – Technical Specifications

Technical specifications for construction of the Project will be developed and prepared for the 90% design level. The technical specifications will be developed in draft form commensurate with a 90% design level.

Task 5 – 90% Design Criteria

GEI will advance the Design Criteria Memorandum (DCM) for the 90% design level. A draft 90% DCM will be submitted to UWCD for review, and a final 90% DCM will be prepared addressing UWCD comments.

Task 6 – 90% OPCC and Constructability Assessment

GEI and IEC will prepare an OPCC based on the 90% design information. The cost estimate will be generated in accordance with the guidelines established by AACE as a Class 2 estimate with an expected upper accuracy range (high) of +5% to +20%. The OPCC will be based on our evaluation of the major construction items appropriate to complete the work, and quantity estimates developed from the 90% design drawings.

GEI will also prepare an anticipated construction schedule based on a preliminary sequence of construction in addition to developing an approximate Project Impact Area Sheet.

A draft 90% OPCC, Construction Schedule, and Project Impact Area Sheet will be submitted to UWCD for review and a final version will be prepared to address and incorporate UWCD comments.

The OPCC, Construction Schedule, and Project Impact Area Sheet effort will continue to be supported by IEC as GEI's subconsultant.

Task 7 – Comment Response Sheet

GEI will compile comments on the 90% design plan set provided by UWCD after its review of the 90% design. GEI will prepare a Comment Response Sheet (CRS) to compile the comments and responses. A Draft CRS will be submitted to UWCD for review and finalized to address UWCD comments on GEI's responses.

Our cost estimate is based on receiving one round of comments from UWCD. Any changes resulting from the comments will be incorporated into the next phases of design, as appropriate.

Task 8 – 3-D AutoCAD Model Development of Existing and Proposed Facility

GEI will continue the development of the AutoCAD 3-D model rendering of the existing and proposed facilities as requested by UWCD. In this 90% design stage, the model development will incorporate the proposed design elements, including the updated Fish Relocation Facility, modifications to the fish

screens and fish screen bay for additional freeboard, Denil ladder updates, modifications to the Auxiliary Water Area, mechanical gates and valves throughout the facility, and final grading around the structure. The AutoCAD model will be refined and enhanced in the 100% design phase to add more detail and renderings for visual presentations.

Task 9 – Refacing of Downstream Face of Existing Diversion Structure

GEI will develop plans for refacing the downstream face of the existing diversion structure, designing the preferred alternative identified in the Alternatives Analysis Technical Memorandum. The work will include a site visit to observe existing conditions and to document pertinent existing features to support plan development, a survey to map the elevation of the downstream face for the base plan for the design package, engineering analyses and design required to develop the refacing improvements, and coordination and management of the related design activities. The design package will consist of construction plans with notes providing contractor requirements. No separate technical specifications will be produced. Deliverables for this task will consist of a draft submittal for UWCD review. GEI will incorporate UWCD comments and will submit the final design plans during the 100% design for the project.

COST ESTIMATE AND SCHEDULE

We developed our cost estimate based on a planned schedule of 27 weeks starting from September 1, 2026, through March 19, 2027. We developed this cost estimate by establishing a detailed list of estimated design drawings based on our prior experience working on this project, identifying design efficiencies that could be applied for the design from prior phases of the project, and formulating a budget to meet this anticipated level of effort within the agreed upon schedule. Our estimated cost to perform the above scope of work is \$1,710,000 (\$960,000 GEI+ \$545,000 NHC +\$15,000 IEC +\$180,000 Frisch Electrical+ \$10,000 Latitude Surveying). Please note that subconsultant costs are marked up by 15 percent. A detailed breakdown of the cost estimate is provided in Attachment A.

PROPOSED SUBCONSULTANTS

As requested by UWCD, GEI will engage NHC as a subconsultant to support the 90% Design effort to provide hydraulic analyses and evaluations including design support. NHC's proposed cost for this effort is included in GEI's cost estimate and a copy of NHC's proposal is included as Attachment B. In addition, GEI will engage Frisch to provide electrical design support and IEC to provide support in preparing the OPCC and constructability assessment. A copy of Frisch's proposal is included as Attachment C. Costs for these subconsultants have been included in GEI's cost estimate.

ASSUMPTIONS

The following assumptions were made in developing the scope of work and cost estimate for the 90% design of the Improved Denil Project:

1. UWCD will continue to provide additional as-built drawings, technical & operational information, and other needed documents for the existing facility.
2. No additional field subsurface explorations will be required for the 90% design of the facilities. The only survey to be performed will be mapping of the downstream face of the diversion structure and any additional confirmation points that may be needed as part of the 3D modeling

work being performed.

3. Hydrologic and hydraulic (H&H) analyses are excluded from the downstream face refacing design scope.
4. All deliverables will be submitted in electronic format.

CLOSING

GEI is looking forward to continuing to assist UWCD with the Freeman Diversion Improvement Project – 90% Design. Please contact Iqbal Ahmed or Rich Sanchez if you have any questions or comments. Dr. Ahmed can be reach at 949.245.9326; iahmed@geiconsultants.com or Mr. Sanchez at 916.350.1769; rsanchez@geiconsultants.com.

Sincerely,

GEI Consultants, Inc.



Iqbal Ahmed, Ph.D., P.E., G.E.
Project Manager



Richard Sanchez, P.E.
Principal-in-Charge

Attachment A: Cost Estimate Freeman Diversion for 90% Design

Attachment B: Proposal from NHC for 90% Design

Attachment C: Proposal from Frisch Engineering, Inc.

ATTACHMENT A

Cost Estimate for 90% Design

September 1, 2026 to March 19, 2027																	
\$1,710,000																	
Description													Expenses				Total Cost
	Grade 8	Grade 7	Grade 6	Grade 5	Grade 4	Grade 3	Grade 2	Grade 1	CAD	Admin	Subtotals		Subs	Travel/ Mileage	ODCs and Other Expenses (hotel + perdiem)	Subtotal ⁽¹⁾	
											\$370 /hr	\$331 /hr					
TASK 1 PROJECT MANAGEMENT																	
Coordination and Management	30										30	\$11,100				\$0	\$11,100
Meetings	54	54		54	27						189	\$56,619				\$0	\$56,619
Progress reports	6										6	\$2,220				\$0	\$2,220
QA/QC Management	12										12	\$4,440				\$0	\$4,440
Technical Advisor	12										12	\$4,440				\$0	\$4,440
Administrative Support										32	32	\$4,384				\$0	\$4,384
Task Totals	114	54	0	54	27	0	0	0	0	32	281	\$83,200	\$0	\$0	\$0	\$0	\$83,200
TASK 2 90% ANALYSES AND DESIGN																	
Civil	4	20		30							54	\$15,420				\$0	\$15,420
Structural	4	40									44	\$14,720				\$0	\$14,720
Geotechnical and geological	4			32							36	\$9,288				\$0	\$9,288
Mechanical design	4	40									44	\$14,720				\$0	\$14,720
Electrical	4	20									24	\$8,100				\$0	\$8,100
Hydraulic Design - Subconsultant Northwest Hydraulic Consultants	8	12									20	\$6,932	\$545,000			\$626,750	\$633,682
Task Totals	28	132	0	62	0	0	0	0	0	0	222	\$69,200	\$545,000	\$0	\$0	\$626,750	\$695,900
TASK 3 90% DESIGN DRAWINGS																	
Civil	8	40		40					100		188	\$44,360				\$0	\$44,360
Structural	8	80		160	480				260		988	\$215,680				\$0	\$215,680
Mechanical	8	100		40					160		308	\$75,260				\$0	\$75,260
Electrical - Subconsultant Tom Frisch Engineers		24		4							28	\$8,920	\$180,000			\$207,000	\$215,920
Task Totals	24	244	0	244	480	0	0	0	520	0	1,512	\$344,200	\$180,000	\$0	\$0	\$207,000	\$551,200
TASK 4 TECHNICAL SPECIFICATIONS																	
General	2	20		8							30	\$9,312				\$0	\$9,312
Civil	2	40		16							58	\$17,884				\$0	\$17,884
Structural	2	20		80						4	106	\$27,428				\$0	\$27,428
Mechanical	2	80		12							94	\$30,148				\$0	\$30,148
Electrical	2	20		8							30	\$9,312				\$0	\$9,312
Task Totals	10	180	0	124	0	0	0	0	0	4	318	\$94,100	\$0	\$0	\$0	\$0	\$94,100
TASK 5 90% DESIGN CRITERIA																	
Draft Design Criteria Report	4	60		40							104	\$31,100				\$0	\$31,100
Final Design Criteria Report	2	40		16							58	\$17,884				\$0	\$17,884

September 1, 2026 to March 19, 2027

\$1,710,000																		
Description													Expenses				Total Cost	
	Grade 8	Grade 7	Grade 6	Grade 5	Grade 4	Grade 3	Grade 2	Grade 1	CAD	Admin	Subtotals		Subs	Travel/ Mileage	ODCs and Other Expenses (hotel + perdiem)	Subtotal ⁽¹⁾		
																		Hrs
Task Totals	6	100	0	56	0	0	0	0	0	0	162	\$49,000	\$0	\$0	\$0	\$0	\$49,000	
TASK 6 90% OPCC AND CONSTRUCTABILITY ASSESMENT																		
Draft OPCC, Construction Schedule, and Project Impact Area	12	24		40							76	\$22,144				\$0	\$22,144	
Final OPCC, Construction Schedule, and Project Impact Area	8	12		24							44	\$12,788				\$0	\$12,788	
Cost Estimate Support - Subconsultant Integrated Engineering Services	8			24							32	\$8,816	\$15,000			\$17,250	\$26,066	
Task Totals	28	36	0	88	0	0	0	0	0	0	152	\$43,700	\$15,000	\$0	\$0	\$17,250	\$61,000	
TASK 7 COMMENT RESPONSE SHEET																		
Comment Response Sheet	4	12		8	12						36	\$9,888				\$0	\$9,888	
Task Totals	4	12	0	8	12	0	0	0	0	0	36	\$9,888	\$0	\$0	\$0	\$0	\$9,900	
TASK 8 3-D MODEL DEVELOPMENT																		
Advance 3D AutoCAD Model of Existing to Include Proposed Elements	4	20		8					200		232	\$46,852				\$0	\$46,852	
Follow up survey items	2			6							8	\$2,204	\$5,000			\$5,750	\$7,954	
Task Totals	6	20	0	14	0	0	0	0	200	0	240	\$49,056	\$5,000	\$0	\$0	\$5,750	\$54,806	
TASK 9 REFACING D/S FACE OF EXISTING DIVERSION STRUCTURE																		
Site Visit	1			12	8						21	\$4,954		\$200		\$230	\$5,184	
Perform Survey to Map Elevation D/S Face - Sub. Latitude Surveying	4			12							16	\$4,408	\$5,000			\$5,750	\$10,158	
Analyses and Design (Draft and Final)	8	60		80	90				100	4	342	\$79,918				\$0	\$79,918	
Coordination and Management	16										16	\$5,920				\$0	\$5,920	
Task Totals	29	60	0	104	98	0	0	0	100	4	395	\$95,200	\$5,000	\$200	\$0	\$5,980	\$101,180	
PROJECT TOTALS	249	838	0	754	617	0	0	0	820	40	3,318	\$837,544	\$750,000	\$200	\$0	\$862,730	\$1,710,000	

Notes:
(1) Subconsultant costs include 15% mark-up

FEE SCHEDULE

<u>Personnel Category</u>	<u>Hourly Billing Rate</u> <u>\$ per hour</u>
Staff Professional – Grade 1	\$ 153
Staff Professional – Grade 2	\$ 168
Project Professional – Grade 3	\$ 184
Project Professional – Grade 4	\$ 207
Senior Professional – Grade 5	\$ 244
Senior Professional – Grade 6	\$ 278
Senior Professional – Grade 7	\$ 331
Senior Consultant – Grade 8	\$ 370

Drafter / Designer and Senior Technician (CAD)	\$ 184
Technician, Word Processor, Administrative Staff	\$ 137
<u>Office Aide</u>	<u>\$ 103</u>

These rates are billed for both regular and overtime hours in all categories.

Rates will increase up to 5% annually, at GEI's option, for all contracts that extend into the next calendar year. Rates for Deposition and Testimony increased 1.5 times.

OTHER PROJECT COSTS

Subconsultants, Subcontractors and Other Project Expenses - All costs for subconsultants, subcontractors and other project expenses will be billed at cost plus a 15% service charge. Examples of such expenses ordinarily charged to projects are subcontractors; subconsultants: chemical laboratory charges; rented or leased field and laboratory equipment; outside printing and reproduction; communications and mailing charges; reproduction expenses; shipping costs for samples and equipment; disposal of samples; rental vehicles; fares for travel on public carriers; special fees for insurance certificates, permits, licenses, etc.; fees for restoration of paving or land due to field exploration, etc.; state and local sales and use taxes and state taxes on GEI fees. *The 15% service charge will not apply to GEI-owned equipment and vehicles or in-house reproduction expenses.*

Field and Laboratory Equipment Billing Rates – GEI-owned field and laboratory equipment such as pumps, sampling equipment, monitoring instrumentation, field density equipment, portable gas chromatographs, etc. will be billed at a daily, weekly, or monthly rate, as needed for the project. Expendable supplies are billed at a unit rate. *The 15% service charge will not apply to this item.*

Transportation and Subsistence - Automobile expenses for GEI or employee-owned cars will be charged at the rate per mile set by the Internal Revenue Service for tax purposes plus tolls and parking charges or at a day rate negotiated for each project. When required for a project, four-wheel drive vehicles owned by GEI or the employees will be billed at a daily rate appropriate for those vehicles. Per diem living costs for personnel on assignment away from their home office will be negotiated for each project. *The 15% service charge will not apply to this item.*

ATTACHMENT B

Proposal from Northwest Hydraulic Consultants, Inc.

NHC Ref. No. 5010592
27 August 2026

United Water Conservation District

1701 Lombard Street
Oxnard, CA 93030

Attention: **Craig Morgan, P.E.** Chief Operations Officer
Nathan Summerville, P.E. Senior Engineer
Rich Sanchez, P.E. Senior Project Manager
Iqbal Ahmed Ph.D, P.E Senior Project Manager

Via email: craigm@unitedwater.org
nsummerville@unitedwater.org
rsanchez@geiconsultants.com
iahmed@geiconsultants.com

Subject: Freeman Diversion Improved Denil 90% Design Plans

Northwest Hydraulic Consultants (NHC) has provided support to United Water Conservation District (United) through several phases of design alternatives to upgrade the Freeman Diversion. This has included work on the Hardened Ramp up through development of the 100% hydraulic designs for the Hardened Ramp concept and hydraulic support for the 90% Design phase led by GEI. NHC also provided a review of the geomorphic processes in the system to support the potential adjustment of the downstream ramp invert elevation.

NHC recently performed concept design work on the Freeman Improved Denil Fish Passage and Diversion Improvement Project that utilizes the existing footprint and many features of the diversion facility (Canal Gates, Crest Gates, Fish Ladder and Ladder Entrance, Low Flow Bypass Gates, etc.) to maximize the diversion capacity and improve fish passage conditions. Fish passage features including the Denil ladder and entrance, auxiliary water system, fish trap/assessment facility and fish screens were analyzed and improved where feasible. NHC is currently documenting these concepts through an updated design development report (DDR) and supporting GEI's 60 percent design plans that are scheduled to be provided to United at the end of August 2026.

This task order will provide additional funding for NHC to advance the hydraulic and fisheries concept to the 90% Design Level. NHC's work will support GEI's 90% design plan set and cost submittal. The services to be provided can be described to some degree at present but will be adapted depending on needs identified by United and GEI moving forward. The work will be coordinated in regular meetings. A description of work tasks and budgets to support the expected level of effort are provided below.

TASKS

NHC has identified six primary tasks for completion of the work described below.

Task 1: Meetings, Support and Coordination

NHC has allocated time for coordination with the design team to refine features as well as regular interactions and meetings with GEI and United to coordinate on the project.

Assumptions: This scope assumes regular weekly meetings with United and GEI for 7 months (18) and up to 18 meetings with GEI for specific items. In this task, no time is allocated for discussions with regulatory agencies or to respond to their requests or additional time for any legal hearings or additional related items.

Task 2: Design of Intake and Auxiliary System and River Hydraulics

An expanded intake and auxiliary water system (AWS) design was developed in collaboration with United and GEI, which is being incorporated into the ongoing 60% plans. Hydraulic engineering work in this phase will primarily focus on detailed design of these features as it moves towards final design. Below are some areas where additional hydraulic analysis/design may occur at this phase:

- Review of 60% Design plans and identification of potential sedimentation areas.
- Review of potential options for reducing sedimentation to reduce diversion downtime post storm events.
- Update the existing reach wide HEC-RAS model to document the 100-year water levels for the 90% plans.
- Detailed design refinements for hydraulic features such as the pump system, fish relocation system, and gate structures.
- Hydraulic support for civil and mechanical designs.
- Detailed design of the hydraulics for the water return facility and AWS.
- Final modeling of approach conditions and documentation of NMFS compliance
- Provide hydraulic analysis and results to document the final GEI Fish Screen Design.
- Review of updated survey drawings and updates to features if required. Updated numerical model runs where changes in the design require additional analysis.
- Detailed review of potential operational scenarios with United/GEI.
- Detailed description of hydraulic operations for the range of operational flows.
- Site visit and review of downstream bank protection riprap.

Assumptions: The concept from the 60% design will be utilized for the 90% design. NHC will utilize the existing 2D and 3D CFD models to analyze the intake and AWS to assess local conditions as needed. Minimal changes/updates will be needed to the existing DEM's of

the facility to reflect any new topographic survey. Updated analysis for changes to the DEM will only be done as necessary for potential significant changes in topography identified from the survey. The existing HEC-RAS model will be utilized to assess the reach wide conditions. No changes will be made to the hydrology and only modifications to represent structures that are part of the project. The sediment review will be high level working off of existing materials from earlier iterations of the work and presentations from United. The design of large-scale sediment management features (crest gates, desander, etc.) is not part of the design. Documentation of analysis will be provided in updates via presentation during regular meetings and updates to the DDR at completion.

Task 3: Fish Passage Designs

The GEI/NHC team has developed an improved Denil fish ladder design based on a maximum river flow rate of 1800 cfs and with an attraction flow rate of 10%, to be split through the Fish Ladder (35 cfs) and expanded AWS (145 cfs). This task will advance this work further to support the 90% design plans and documentation. Work on this task may include:

- Development of Existing Conditions CFD models of the Denil Ladder, Fish Entrance and Fish Exit facilities, compare results between existing and proposed condition models to quantify fisheries improvements.
- Refinement and detailed design of the Improved Denil plates.
- Incorporation of physical model findings into design.
- Review and update to existing Lamprey Passage System.
- Refinement of CFD modeling for the proposed fish exit facility.
- Documentation of compliance with NMFS Criteria for Fisheries Features

Assumptions: The 60% design concepts will be used as a base for the Denil, Fish Relocation and Monitoring work. Detailed Design at 90% will be refinement of these concepts. This scope does not include coordination with agencies (CDFW/NMFS) or any analysis or modification of the concepts if they review earlier submittals. Physical modeling is not covered under this scope of work.

Task 4: Documentation and Support

This task will provide support for the 90% design plans and documentation.

An updated draft Development Design Report (DDR) is being developed as part of the 60% designs to serve as a hydraulic basis of design. In this task NHC will address any comments on the initial draft and provide an update to include features developed as part of the 90% plans. NHC will provide the hydraulic related components for the design to GEI as they are developed through draft model results and CAD drawings. NHC will provide support for detailed hydraulic related components of the design plans to a 90 percent level. Updates will be completed based on advanced hydraulic design to key features such as the typical

Denil fishway cross-sections, fish screens, evaluation station and gate configurations. NHC will provide hydraulic results (velocities, water levels) to GEI as requested to support their designs. NHC will review a draft of the 90% design plans for conformance with the supporting hydraulic analysis. NHC will provide feedback for the constructability assessment being led by GEI for any hydraulics related questions.

Assumptions: It is assumed that the 90% design will be a detailed refinement of the work done at the 60% design without any major changes. It is assumed that NHC will provide input on up to 8 sheets. NHC will provide an updated draft of the DDR to GEI for comment, those comments will be addressed prior to the initial draft to United. NHC will then provide a final version addressing United concepts. NHC will address one set of comments/questions on the plan features from GEI. NHC will address one set of United comments on the concepts NHC developed that were incorporated into the larger drawing set by GEI. GEI will be able to utilize results previously developed to estimate quantities for the cost estimate.

Task 5: Constructability Assessment and Value Engineering

NHC will work with GEI on their assessment of constructability of the proposed project. NHC will provide hydrologic and hydraulic input as needed for the constructability work being led by GEI. This task will also include time for periodic reviews to assist GEI in refining design elements for operational reliability and cost efficiency as directed starting with a review of the 60% design plans.

Assumptions: The information from the assessment and value engineering review will be provided to GEI to support their documentation.

Task 6: As-Directed Support Tasks

The needs for the project may change over time. This line item provides NHC a way to address hydraulics items and requests from United or GEI that were unforeseen but may come up as part of the agency (NMFS/CDFW) review or supporting the legal work.

Assumptions: Requests will come from GEI or United. NHC will assess if funds are available before completing the work. The use of these funds will be summarized in the monthly progress reports. Depending on the request, additional budget may be required, this will be requested prior to doing the task.

SCHEDULE

It is assumed that work will start after after contract execution and extend through submittal of the draft report and plans in alignment with GEI's schedule. The work will conclude with the submittal of the final 90% plans by GEI. This budget was developed,

assuming a time frame of 6 months from start of work to draft 90% plans expected submittal end of February 2027.

BUDGET

The costs for the tasks outlined above were estimated based on the expected level of effort for design and analysis of potential solutions that are presently anticipated. Depending on initial development and review of potential solutions with GEI and United team, cost allocations may need to be shifted between tasks. The hourly rates will be based on our 2026 rate tables. A cost breakdown by task is given below.

#	Task	Budget
1	Meetings, Support and Coordination	\$63K
2	Intake, Aux System and River Hydraulics	\$195K
3	Fish Passage Designs	\$146K
4	Documentation and Support	\$60K
5	Constructability Assessment and Value Engineering	\$26K
6	As-Directed Support Tasks	\$55K
	Amount Requested	\$ 545K

CLOSURE

We hope the approach outlined above and the estimated schedule meets United's needs for contracting purposes. Please call or email with any questions or comments.

Sincerely,

Northwest Hydraulic Consultants Inc.



Brady McDaniel, P.E.
Principal



Barry Chilibeck, P Eng
Principal

NHC COST PROPOSAL - TASK BREAKDOWN BUDGET

PROJECT: Freeman 90% Design
CLIENT: United Water Conservation District
DATE: 27-Aug-26
BY: bjm/bmc

Task No	Task Description	NHC Personnel									GIS2 CZ 153.00	Labor Cost	Direct Cost	Task Cost	
		PE2 jav 317.00	PE2 bjm 317.00	PE2 BC 317.00	PE3 HF 295.00	SPE AS 256.00	SE1 reo 224.00	SE2 rmg 208.00	SE2 DH/PRF 208.00	GIS JDL 164.00					
1	Meetings, Support and Coordination	40	58	46	0	0	40	40	0	0	0	\$62,928		\$62,928	\$63,000
	Meetings with United and GEI, some prep (18 assumed)	22	22	22			22	22				\$30,426			
	Meeting with GEI (14 assumed)	18	18	18			18	18				\$24,894			
	General Support, Coordination and Invoicing		18	6								\$7,608			
2	Intake, Aux Water and Operations	66	52	33	20	12	204	264	68	8	84	\$185,755	\$9,000	\$194,755	\$195,000
	Review of Sedimentation through System and Concepts	24	8	4			48	44				\$31,316			
	Update DEM and 3D Model						12	12	16		32	\$13,408			
	100yr HEC-RAS Modeling		2		20				8	8		\$9,510			
	Detail design refinements (pump, fish relocation, gates)	6	6	6			20	80				\$26,826			
	Hydraulic Support for Civil and Mechanical Design	6	8			12	12		12		12	\$14,530			
	Aux System Detailed Design	2	2	2			8	40				\$12,014	\$2,500		
	Water Return Facility Design	2	2	2			8	40				\$12,014			
	Approach Conditions and NMFS Compliance	2	6	6			20	20				\$13,078			
	Update numerical models	16	2	3			16	16	32		32	\$25,121	\$5,000		
	Fish Screen Design			6				12				\$4,398			
	Update Operational Model Scenarios	4	4	4			24					\$9,180			
	Riprap and Bank Protection Design	2					24				8	\$7,234			
	Site Visit	2	12				12					\$7,126	\$1,500		
3	Fish Passage Designs	82	24	72	0	0	104	116	116	0	40	\$134,098	\$12,000	\$146,098	\$146,000
	Development of Existing Conditions CFD Models (Denil, Entrance, Exit)	60	8	12			8	20	100		40	\$58,232	\$6,000		
	Refinement of Denil Design Analysis	12	2	24			16	12				\$18,126	\$2,000		
	Review and Updae to existing Lamprey System	8	8	8			32	32				\$21,432			
	Fish Relocation Design and Transport			6			12	32				\$11,246			
	Refinement of CFD Modeling for the proposed fish exit facility	2	6	6			16		16			\$11,350	\$4,000		
	Documentation of Compliance with NMFS Criteria			16			20	20				\$13,712			
4	Documentation and Support	32	16	32	0	0	96	64	0	0	0	\$60,176		\$60,176	\$60,000
	Address Question/Comments from DDR	2	2	2			16	4				\$6,318			
	Update DDR with new analysis	24	8	24			60	40				\$39,512			
	Design Hydraulics to GEI	4	4	4			8	8				\$7,260			
	Review of 90% Design Plans	2	2	2			12	12				\$7,086			
5	Constructability Assessment and Value Engineering	4	16	16	0	40	18	0	0	0	0	\$25,684		\$25,684	\$26,000
	Site Assessment	2	8	8		20	12					\$13,514			
	Value Engineering	2	8	8		20	6					\$12,170			
6	Legal/As-Directed Support Tasks	40	40	40			40	40				\$55,320		\$55,320	\$55,000
Totals		264	206	239	20	52	502	524	184	8	124			\$ 544,961	\$545,000
Average a month (over 6 months)		44	34	40	3	9	84	87	31	1	21				

Symbol	Classification	2023	2025	2026	2027	Hourly Rate*	\$	7 Months of work
pe2	principal	\$290.00	\$308.00	\$317.00	\$327.00	Brady McDaniel, Barry Chilibeck, Pepe Vasquez	\$	489,641 Total without
pe3	principal engineer T3/ sr project engineer 1	\$270.00	\$286.00	\$295.00	\$304.00	Hank Fehlman, Ed Wallace	\$	69,949 Average spen
spe	senior project engineer	\$235.00	\$249.00	\$256.00	\$264.00	Andrey Shvidchenko		
se1	senior engineer/scientist 1	\$205.00	\$217.00	\$224.00	\$231.00	Rob Odell		
se2	senior engineer/scientist 2	\$190.00	\$202.00	\$208.00	\$214.00	Pablo Rodriguez, Reinaldo Morales Garcia, Dan Maldoff		
e1	engineer/scientist 1	\$170.00	\$180.00	\$185.00	\$191.00			
e2	engineer/scientist 2	\$145.00	\$154.00	\$159.00	\$164.00			
je	junior engineer/scientist	\$135.00	\$143.00	\$147.00	\$151.00			
gis1	gis analyst 1	\$150.00	\$159.00	\$164.00	\$169.00	Dawn Lasprugato		
gis2	gis analyst 2	\$120.00	\$127.00	\$131.00	\$135.00			
set	senior cad designer	\$165.00	\$175.00	\$180.00	\$185.00			
et	engineering technician 1	\$140.00	\$149.00	\$153.00	\$158.00	Cass Zhao		
jet	engineering technician 2	\$125.00	\$133.00	\$137.00	\$141.00			
	jr. engineering technician	\$105.00	\$111.00	\$114.00	\$117.00	CFD / Technical Computer Charges: \$25.00 per hour of model processing time		
sca	senior contract administrator	\$190.00	\$202.00	\$208.00	\$214.00			
ste	senior technical editor	\$150.00	\$159.00	\$164.00	\$169.00			
te	technical editor	\$125.00	\$133.00	\$137.00	\$141.00			
oa	office administrator	\$100.00	\$106.00	\$109.00	\$112.00			

ATTACHMENT C

Proposal from Frisch Engineering, Inc.



FRISCH ENGINEERING, INC.

Consulting Electrical Engineers and Programmers
13405 Folsom Blvd., Unit 600
Folsom, CA 95630

Electrical Contractor
C-10 Lic #1025671
Phone (916) 353-1025

August 4, 2026

Ahmed, Iqbal, PE
GEI Consultants
"Ahmed, Iqbal" <iahmed@geiconsultants.com>

Location: Freeman Diversion Improvement Project
Subject: Electrical Engineering Design Services

Mr. Iqbal,

Frisch Electrical Engineering Inc. is pleased to submit this proposal to perform the electric power and control system design services for this project. The following detail is provided in defining our proposed scope of work.

Design Services

The design will include electrical drawings and specifications for a complete new electrical and control system for the fish passage. The systems included in this quotation are as follows.

Common systems

- Utility Service entrance, meter/main switchboard, automatic transfer switch, distribution panel. Determine reuse of 208v power system and applicability to new equipment.
- Reuse or replace standby diesel generator, outdoor, with sub-base tank.
- Electrical Building electrical such as lights, receptacles, and grounding.
- Distribution to motors and actuators along the fish passage.
- Exterior area lighting (reconnect lighting, add additional where needed)
- Building intrusion alarms, PLC based
- Building HVAC power and control.
- Access controls for doors of building.
- Repower of existing building and equipment not being improved.

Mechanical Equipment

- Trash rack, refeed existing system.
- Canal inlet Gates, refeed existing sluice gates
- Flushing channel gate with electric actuator
- Fish ladder exit gate with electric actuator
- Fish counting weir with electric actuator
- Auxiliary Inlet gate with electric actuator
- Fish collector bypass gate with electric actuator
- Fish collector exit gate with electric actuator
- Overhead crane, Lift basket, fish crowder actuators

- Fish collection adjustable weir
- Vertical fish screen with cleaning mechanism, 2 motors.
- Vertical fish screen Slide gates for fish screen, 13 actuators

Instrumentation systems

- Various Instrumentation (level, flow, power monitoring)
- Approximately 8 water level systems

Automated Controls

- PLC control panel with operator interface utilizing existing radio communications system.
- Conduit and wire to instrumentation and controls along fish passage.
- Remote control of gate operators, trash racks, and cleaning equipment.
- SCADA system programming description for application to existing SCADA system.
- Remote and local operation, monitoring, and control of most equipment.

Video Monitoring

- Video server connection or local server and POE network distribution.
- Video cameras (approximately 20) for overview monitoring of gates, basins, and property.
- Video cameras (approximately 5) for specific areas in fish ladder area

The following drawings and specifications will be included in the design.

1. Electrical and Instrumentation Design
 - A. Meetings and Field Investigations
 1. Site investigations to review site, utility services, existing equipment, and other items.
 2. Virtual meetings during design (10)
 - B. Project coordination and Management
 - C. Electrical Design Drawings
 1. Electrical and instrumentation symbols and abbreviations.
 2. Process and instrumentation diagrams (P&IDs)
 3. Single line diagram of power distribution with load calculations.
 4. Elevation layout drawing:
 - a. Utility Metering Switchboard
 - b. Transfer Switch
 - c. Distribution Panels
 - d. Control Panel with backpan layout
 - e. Miscellaneous other panels
 5. Control panel wiring diagrams.
 - a. PLC Control Panel.
 - b. Control diagrams for Actuators
 - c. Miscellaneous, lights, heaters, etc.
 6. Plan drawings:
 - a. Building Power and Control Plan
 - b. Building Lighting and Receptacle Plan
 - c. Building Plans and multiple Site Electrical Plans
 7. Detail drawings:
 - a. Pad mounted electrical equipment.
 - b. Instrumentation (flowmeters, pressure transmitters, etc.)
 - c. Underground conduit
 - d. Conduit transition through grade
 - e. Underground pull box installation.
 - f. Pump motor connection.
 - g. Ground system installation.
 - h. Site lighting.
 - i. Miscellaneous additional details
 - D. Electrical schedules:

1. Conduit & wire
 2. Panelboard
 3. Instrumentation
 4. Lighting Fixtures
- E. Electrical specifications:
1. General Electrical Materials
 2. Conduit and Boxes
 3. Low Voltage Wire
 4. Grounding
 5. Diesel Generator
 6. Automatic Transfer Switch
 7. Low Voltage Switchboard
 8. Panelboard and Power Transformer
 9. Communications System, (antenna, cable, radio, etc.)
 10. Factory and Field testing.
 11. Control Panel Components
 12. PLC and Operator Interface Hardware
 13. PLC and Operator Interface Applications Programming
 14. SCADA System Hardware and Software
 15. SCADA System Programming Description
 16. Security System
 17. Access Control system
 18. Video Monitoring System
 19. Instrumentation (flowmeters, pressure transmitters, etc)
 20. Other electrical components.
- F. Electrical and Instrumentation construction cost estimate.

2. Bid services and addenda.

Assumptions

- We have assumed one design bid package, one project for construction, and a design period not to exceed 18 months. If the project is broken up into additional bid packages or design duration is exceeded for any reason, additional charges may apply.
- Design reviews are comprehensive and that information furnished at each design stage (design drawings, standards, methods, equipment tags, conventions) will be reviewed, commented, and/or approved when presented. Revisions to previously presented, yet uncommented, design information may create additional cost in Engineering for rework.
- Building Permit from AHJ and associated review / comment responses is not required for this project. Title 24 calculations not required.

- Our existing insurance coverage limits for general liability (\$5M) and E&O liability (\$3M/5M) are sufficient. Please request insurance certificate for details.
- Drawings and specifications can be completed by using our standards and templates created in AutoCad and MS Word using CSI format.
- We are assuming that the Radio will communicate by locating or reusing an antenna on project site. Radio repeaters, radio surveys, radio topography or other communications analysis is not included but can be provided for an additional fee.
- We have not included separate security systems (other than RTU intrusion monitoring) or video surveillance or automated access control systems.
- The project construction budget includes an industry standard 10% minimum contingency such that changes can be designed and implemented as deemed necessary by the Engineer or Owner during construction. This quotation does not include cost for construction changes regardless of initiating source.
- This quotation does not include Arc-Flash analysis (unless specifically stated) as required by the NFPA 70 electrical code. That analysis and associated equipment labeling can be provided for an additional fee.
- Electronic files (ACAD) for the siteplan, mechanical and building plan will be provided to us for our use as background files. If electronic files need to be generated for the site plan, additional charges may apply.
- Rate escalation of 5% per hour is scheduled for January 1, 2027 and each anniversary thereafter. Escalated rates will only apply to extra work performed after January 1, 2027.
- Hourly rates include overhead costs such as telephone, photocopies, computer costs, and insurance.
- Hourly rates do not include expenses such as mileage, rental equipment, airline tickets, rental vehicles, lodging, non-incidental photocopying and materials.
 - o Travel time will be billed at hourly rate, plus current Federal mileage rate.
 - o Per diem charge will be added based on half or full day of field work.
 - o Actual travel expenses (airfare, ground transportation lodging, etc.) are billed at cost plus 10% for overhead and handling.

Deliverables

- Plans, specifications, and cost estimate, delivered PDF, at 60%, 90%, 100%, and Final design stages.

Terms

- As defined per contract, contract by Client.
- Attached quote is based on project scope as described. We anticipate that we can perform the scope as described within our budget. If the project changes, or work scope increases or decreases, we will make every effort to inform the Client in advance of work for authorization.
- Client will be invoiced monthly based on project progress.
- Changes to project scope may result in increased or reduced costs.

Electrical Engineering Costs

See attached Quotation

Frisch Engineering is pleased to offer this quotation for your consideration. This quotation is for design services only. We will gladly quote services during construction such as submittal review, electrical inspection, and management after the design is complete. Please give me a call or email if you have any questions or require further information.

Sincerely,



Thomas P. Frisch, P.E.
Electrical Engineer
tfrisch@frischengineering.com

I agree to project scope, assumptions,
deliverables and terms and authorize
Frisch Engineering to proceed:

X _____

Title: _____ Date: _____



FRISCH ENGINEERING, INC.

Consulting Electrical Engineers and Programmers
13405 Folsom Blvd., Unit 600
Folsom, CA 95630

Electrical Contractor

C-10 Lic #1025671

Phone:

(916) 353-1025

PROFESSIONAL ENGINEERING SERVICES COST ESTIMATE

JOB TITLE: United Water, Freeman Diversion Improvement Project
CLIENT: Ahmed, Iqbal <iahmed@geiconsultants.com>

8/4/2026

Design Services

Electrical Engineering Discipline

Task	Description	Principal Engineer	Senior Engineer	Senior Designer	Junior Designer	Associate Designer	Total hours per task	cost per task
1	60% Design P&S	60	60	75	135	30	360	\$75,750.00
	90% Design PS&E	105	105	119	210	53	592	\$125,145.00
	100% Design PS&E	23	23	26	45	12	129	\$27,270.00
	Final Design PS&E	19	19	17	30	8	93	\$19,960.00
2	Bid Services	0	16	16	0	0	32	\$7,360.00
Subtotal Hours		207	223	253	420	103	1206	
Hourly rate per discipline		\$260	\$245	\$215	\$185	\$145		Subtotal Costs
Total cost per discipline		\$53,820	\$54,635	\$54,395	\$77,700	\$14,935		\$255,485.00
Total Costs								\$255,485.00

Individual tasks cost are approximate and some cost shifting between tasks or disciplines may be necessary

EXHIBIT “B” TO AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES

CONSULTANT shall adhere to the following **Guidelines for Expense Reimbursement**:

Incidental expenditures incurred by CONSULTANT in the course of performing work under this Agreement and submitted for reimbursement by UNITED shall comply with the following guidelines.

Receipts are required for all reimbursable expenses (with an exception for meals and lodging) and shall be furnished with the invoice. Reimbursable expenditures shall not be subject to mark-up. Only actual costs of expenditures within the limits presented below are eligible for reimbursement.

1. Reimbursable Expenditures

A. Travel Expenses

Expenses for airfare or other travel accommodations shall not exceed costs that would reasonably be expected for comparable economy or coach class accommodations.

Personal vehicles may be used when appropriate and mileage will be reimbursed at the standard Internal Revenue Service (IRS) business mileage rate (e.g., 0.76 cents per mile for calendar year 2026, but for a total cost no greater than the cost that would reasonably be expected for round trip economy or coach class airfare. With the exception of extenuating circumstances (e.g. transport of specialized equipment), mileage for any trip over 500 miles shall be reimbursed at a total cost no greater than would reasonably be expected for round trip economy or coach class airfare. Extenuating circumstances shall be pre-approved by UNITED.

Rental vehicle costs are reimbursable when justified by the nature of the trip. With the exception of extenuating circumstances (e.g. transport of more than 4 people or excessive cargo) the total expense for the rental vehicle shall not exceed a cost that would reasonably be expected for a standard class vehicle. Insurance for rental vehicles is not reimbursable and must be in accordance with all insurance requirements set forth in this Agreement.

B. Lodging

The cost of lodging incurred on approved CONSULTANT business trips is reimbursable. UNITED will reimburse lodging at the standard U.S. General Services Administration (GSA) rate for Ventura County (e.g., \$199.00 per night [excluding

taxes] for the months of October 2026 and January – September 2027). GSA rates are annually updated in October.

C. Meals

The cost of meals incurred on approved CONSULTANT Projects is reimbursable.

If UNITED is reimbursing the CONSULTANT for lodging, UNITED will reimburse for meals at the appropriate standard GSA rate for Ventura County (i.e., \$64.50 (or 75% of a daily rate) per day for first and last calendar day of PROJECT work, and \$86.00 per day for additional PROJECT workdays for calendar year 2026 and 2027.

If UNITED is not reimbursing the CONSULTANT for lodging, UNITED will not reimburse the CONSULTANT for meals.

D. Equipment

All reimbursable equipment must be purchased or rented at a reasonable cost, in accordance with industry standards.

E. Expendable Items

Items that are expendable (depleted) will not be returned to UNITED, as the items will be “used up” in the course of CONSULTANT’s work.

F. Non-Expendable Items

Items that are non-expendable (not depleted) will be returned to UNITED upon completion of CONSULTANT’s work.

EXHIBIT “C” TO AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES

CONSULTANT shall procure and maintain for the duration of the Agreement, and for injuries that occur and claims which are made after the services herein are performed, insurance against claims or injuries to persons or damages to property, which may arise from or in connection with the performance of the work hereunder by CONSULTANT, its agents, representatives, or employees.

Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage (occurrence Form CG 00 01 or its equivalent).
2. Insurance Services Office Form Number CA 00 01 covering Automobile Liability, Code 1 or its equivalent (any auto).
3. Workers' Compensation insurance as required by the State of California and Employer's Liability Insurance.
4. Errors & Omissions Liability insurance appropriate to the CONSULTANT's profession. Architects' and engineers' coverage is to be endorsed to include contractual liability.
5. Valuable Document Insurance on all plans, specifications and other documents as may be required to protect UNITED in the amount of its full equity in such plans, specifications and other documents.

Minimum Limits of Insurance

CONSULTANT shall maintain limits no less than:

- | | |
|--|---|
| 1. General Liability:
Including operations, products and completed operations, as applicable. | \$1,000,000 per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit. |
| 2. Automobile Liability: | \$1,000,000 per accident for bodily injury and property damage. |

3. Employer's Liability: **\$1,000,000** per accident for bodily injury or disease.
4. Errors & Omissions Liability: **\$1,000,000** per claim.
5. Valuable Document Insurance **Full Equity of all Documents**

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by UNITED. At the option of UNITED, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects UNITED, its directors, officers, officials, employees and agents; or CONSULTANT shall provide a financial guarantee satisfactory to UNITED guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Other Insurance Provisions

The commercial general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

6. For all policies required by this Agreement, UNITED and its directors, officers, officials, employees and volunteers are to be covered as additional named insureds as respects: liability arising out of work or operations performed by or on behalf of the CONSULTANT; or automobiles owned, leased, hired or borrowed by the CONSULTANT.
7. For any claims related to this Project, the CONSULTANT's insurance coverage shall be primary insurance as respects UNITED and its directors, officers, officials, employees and agents. Any insurance or self-insurance maintained by UNITED, its directors, officers, officials, employees or agents shall be excess of the CONSULTANT's insurance and shall not contribute with it.
8. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after thirty (30) days prior written notice has been provided to UNITED (with the exception of ten (10) days for nonpayment of premium).

If General Liability, Contractors Pollution Liability and/or Asbestos Pollution Liability and/or Errors & Omissions coverages are written on a claims-made form:

9. The retroactive date must be shown, and must be before the date of the contract or the beginning of contract work.
10. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract of work.

11. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a retroactive date prior to the contract effective date, the CONSULTANT must purchase an extended period coverage for a minimum of five (5) years after completion of contract work.
12. A copy of the claims reporting requirements must be submitted to UNITED for review.
13. If the services involve lead-based paint or asbestos identification/ remediation, the Contractors Pollution Liability shall not contain lead-based paint or asbestos exclusions. If the services involve mold identification/ remediation, the Contractors Pollution Liability shall not contain a mold exclusion and the definition of "Pollution" shall include microbial matter including mold.

Acceptability of Insurers

Insurance is to be placed with insurers qualified to do business in the State of California with a current A.M. Best's rating of no less than A: VII, unless otherwise acceptable to UNITED. Exception may be made for the State Compensation Insurance Fund when not specifically rated.

Verification of Coverage

CONSULTANT shall furnish UNITED with original certificates and amendatory/ additional insured endorsements effecting coverage required by this clause. The endorsements should be on forms provided by UNITED or on other than UNITED's forms provided those endorsements conform to UNITED requirements. All certificates and endorsements are to be received and approved by UNITED before work commences. However, failure to do so shall not operate as a waiver of these insurance requirements. UNITED reserves the right to require complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by these specifications at any time.

Waiver of Subrogation

CONSULTANT hereby agrees to waive subrogation, which any insurer of contractor may acquire from vendor by virtue of the payment of any loss. CONSULTANT agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation.

The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of the entity for all work performed by the CONSULTANT, its employees, agents and subcontractors.



STAFF REPORT

To: Engineering and Operations Committee Members

Through: Mauricio Guardado, General Manager
Suparna Jain, Partner, AALRR

From: Maryam Bral, Ph.D., P.E., Assistant General Manager
Adrian Quiroz, Senior Engineer
Kaili Taniguchi, Senior Engineer
Kylie Kephart, Associate Engineer

Date: September 17, 2026 (October 1, 2026, meeting)

Agenda Item: 3.2 Upon Receiving the Chief Dam Safety Engineer's Annual Dam Safety Program Report, Adopt a Resolution Approving the Revision of the Owner's Dam Safety Program and Overarching Dam Safety Program Policy
Motion

Staff Recommendation:

In accordance with the Santa Felicia Dam Owner's Dam Safety Program, the Chief Dam Safety Engineer for UWCD shall prepare and deliver an Annual Comprehensive Dam Safety Program Report (Annual Report) and presentation to the UWCD Board of Directors. This Annual Report and presentation cover dam safety program activities from October 2025 through October 2026 (reporting period). *Per Government Code Title 18 § 388.113 Critical Energy/Electric Infrastructure Information, the Annual Report is a critical/confidential document. Board members only will be provided with hard copies.*

Upon receiving such report, staff recommend adoption of a resolution approving the revised Santa Felicia Dam Owner's Dam Safety Program, revision 12.0 dated October 2026, and the Overarching Dam Safety Program Policy, to the full Board. *Per Government Code Title 18 § 388. 113 Critical Energy/Electric Infrastructure Information, the Owner's Dam Safety Program is a critical/confidential document. Committee members only will be provided with hard copies.*

Discussion:

This action updates the District's Dam Safety Program documents and reaffirms the Board of Directors' ongoing commitment to dam safety in accordance with external audit recommendations and FERC guidance.

On October 10, 2012, the Board of Directors adopted Resolution 2012-15, establishing the Santa Felicia Dam (SFD) Owner's Dam Safety Program (ODSP) as a District policy to demonstrate its continued commitment to dam safety. The ODSP was prepared in accordance with the Federal Energy Regulatory Commission (FERC) Engineering Guidelines and formalized existing practices into a District policy.

**Agenda Item: 3.2 Upon Receiving the Chief Dam Safety Engineer’s Annual Dam Safety Program Report, Adopt a Resolution Approving the Revision of the Owner’s Dam Safety Program and Overarching Dam Safety Program Policy
Motion**

FERC considers the ODSP a “living document” that must be continuously updated, including an independent external audit every five years. In 2022, the District retained Gannett Fleming, Inc. (GF), to conduct an external audit of the SFD ODSP. As a result of the audit, GF prepared a report, including sixteen (16) recommendations for improving the SFD ODSP.

External ODSP Audit Recommendation No. 2 recommended that the Board of Directors adopt an annual resolution each October affirming its commitment to dam safety. This resolution serves as that formal declaration, reaffirming the District’s commitment to Dam Safety as policy and addressing the audit recommendation.

Additionally, external SFD ODSP Audit Recommendation No. 3 recommended expanding the ODSP to clarify that the document serves as the District’s Overarching Dam Safety Program Policy. In response, the District developed a Policy Synopsis Document dated October 2024 that summarizes the principles and policies presented in the ODSP. On October 9, 2024, the Board of Directors adopted Resolution 2024-16, adopting the Santa Felicia Dam Owner’s Dam Safety Program and the overarching Dam Safety Program Policy, dated October 2024, as District policy. This action addressed Recommendation No.3.

The ODSP and associated Policy Synopsis Document have been updated to reflect recent organizational changes, including the addition of the Public Relations and External Affairs Manager role, as well as other dam safety program improvements, including the updated SFD monthly visual inspection checklist. Provided as Attachment A is the resolution adopting the revised ODSP and Overarching Dam Safety Program Policy. A strikeout draft of the revised ODSP and Policy Synopsis Document, dated October 2026, are provided as Attachments B and C, respectively.

Fiscal Impact:

No additional fiscal impact at this time.

Attachments:

Attachment A – Resolution - A resolution of the Board of Directors of the United Water Conservation District adopting the revised Owner’s Dam Safety Program and Reaffirming the District’s Commitment to Dam Safety as Policy.

Attachment B – Santa Felicia Dam, Owner’s Dam Safety Program (October 2026) Rev. 11.0 *(Per Government Code Title 18 § 388.113 Critical Energy/Electric Infrastructure Information (CEII) this is a critical/confidential document. Committee members will be provided hard copies.)*

Agenda Item: 3.2 Upon Receiving the Chief Dam Safety Engineer's Annual Dam Safety Program Report, Adopt a Resolution Approving the Revision of the Owner's Dam Safety Program and Overarching Dam Safety Program Policy
Motion

Attachment C - Santa Felicia Dam, Owner's Dam Safety Program, Policy Synopsis Document (October 2026) Rev 1.0 *(Per Government Code Title 18 § 388.113 Critical Energy/Electric Infrastructure Information (CEII) this is a critical/confidential document. Committee members will be provided hard copies.)*

Attachment D – Chief Dam Safety Engineer's Annual Dam Safety Program Report *(Per Government Code Title 18 § 388.113 Critical Energy/Electric Infrastructure Information (CEII) this is a critical/confidential document. Board members only will be provided with hard copies.)*

RESOLUTION NO. 2026-__

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE UNITED WATER CONSERVATION DISTRICT
APPROVING THE REVISED OWNER'S DAM SAFETY PROGRAM AND
REAFFIRMING THE DISTRICT'S COMMITMENT TO DAM SAFETY
AS POLICY**

WHEREAS, the United Water Conservation District ("District") owns and operates Santa Felicia Dam; and

WHEREAS, on October 10, 2012, the Board of Directors of United Water Conservation District adopted Resolution 2012-15, a formal declaration of the District's commitment to Dam Safety as policy; and

WHEREAS, on October 9, 2024, the Board of Directors of United Water Conservation District adopted Resolution 2024-16, a formal declaration of the District's commitment to Dam Safety as policy; and superseding Resolution 2012-15; and

WHEREAS, the above-mentioned Resolution 2024-16 included the adoption of the Santa Felicia Dam Owner Dam Safety Program and the overarching Dam Safety Program Policy, dated October 2024, as a policy of the District, living documents that must be continuously updated; and

WHEREAS, training, succession planning, program assessments, corporate accountability, and staff are some of the key elements of the Santa Felicia Owner Dam Safety Program; and

WHEREAS, recent organizational changes in District personnel warrant modification to the Santa Felicia Owner Dam Safety Program.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the United Water Conservation District as follows:

1. The District Board of Directors hereby approves the revised Santa Felicia Dam Owner Dam Safety Program and the overarching Dam Safety Program Policy, within, dated October 2026, as a policy of the District, a formal declaration reaffirming the District's commitment to Dam Safety as policy.
2. The foregoing recitals are true and correct and incorporated herein as if fully set forth.

RESOLUTION NO. 2026-____
(continued)

**PASSED AND ADOPTED THIS 14TH DAY OF OCTOBER 2026 BY THE
FOLLOWING VOTE:**

Ayes:

Noes:

Absent:

ATTEST: _____
Board President Lynn E. Maulhardt

ATTEST: _____
Board Secretary Gordon Kimball



STAFF REPORT

To: Engineering and Operations Committee Members

Through: Mauricio Guardado, General Manager
Dr. Maryam Bral, Assistant General Manager

From: Robert Richardson, Engineering Manager

Date: September 18, 2026 (October 1, 2026, meeting)

Agenda Item: 4.1 Engineering Department Monthly Report
Information item

Staff Recommendation:

Receive this summary report from the Engineering Department regarding its activities for the month of August-September 18, 2026, as well as a presentation of highlights. Please refer to the end of the report for a list of acronyms.

Discussion:

Santa Felicia Dam

- **Rancho Temescal Property Acquisition**

- o August 28 – OCS Task Order No. 1 with Rincon Consultants was executed for the Phase 1 Environmental Site Assessment for the Rancho Temescal Property Acquisition Project.
- o September 3 – The Seller and UWCD agreed to terms on Addendum to Vacant Land Purchase Agreement for the Rancho Temescal Property Acquisition Project
- o September 9 – Rancho Temescal submitted a user questionnaire to Rincon for Phase 1 ESA.
- o September 10 – Rancho Temescal submitted a Title Report to Rincon for Phase 1 ESA.
- o September 11 – A wire transfer of the 3% deposit of \$225,000 was received by the Escrow Company, Lawyers Title.
- o September 10 – The Seller fully executed the Vacant Land Purchase Agreement.
- o September 14 – Staff requested a proposal to support a quitclaim deed for grazing rights on property that Rancho Temescal is retaining.
- o September 16 – Staff responded to the Phase 1 ESA User Questionnaire.

4.1 Engineering Department Monthly Report Information Item

- **Regulatory Compliance:**

- o August 6 – Task Order 1-1 was partially executed under the OCSA with HDR for additional testing for the SFD 60-Inch Penstock Thickness Testing for \$11,800.
- o August 7 – Staff completed the data upload for SFD Monthly Inspection Report - July.
- o August 12 – Invitations were issued to external stakeholders for the SFD EAP Seminar on October 22, 2026.
- o August 14 – Requested revisions from Cal OES were implemented in SFD EAP, including updates to the notification charts and ensuring that the correct version of the Ventura County Emergency Plans is cross-referenced in the EAP. The EAP was submitted to CalOES for approval on August 17.
- o August 21 – Engineering Staff held a meeting to review the July SFD Monthly Inspection.
- o August 25 – A request for an extension of time to FERC was E-filed to repair a portion of drummy concrete on the Spillway with FERC. This is a result of FERC requesting stamped plans and specifications, a quality control plan, among other requirements for this concrete repair work.
- o August 27 – The Annual FERC Inspection of Santa Felicia Dam was conducted. The inspector found the dam to be in satisfactory condition and noted some debris on the upstream face of the dam that needs to be removed, noting that drummy concrete areas on the spill slab will need continuous monitoring, and also noting that the District needs to submit the updated Public Safety Plan.
- o September 14 – Staff received a 2026 FERC Inspection Follow-Up Letter from FERC which requested further evaluation of drummy concrete areas on SFD Spillway, submittal of an updated Public Safety Plan, Evaluation of Condition of East and West Heel Drains, and removal of woody debris on upstream sloped of SFD.
- o September 18 – Staff completed the first draft of the updated ODSP and Annual CDSE for management review.

- **General**

- o August 18 – Staff conducted the SFD Butterfly Valve Exercise and Cone Valves Exercise on August 18. Two 36-inch cone valves and the 72" Butterfly Valve were exercised satisfactorily.
- o August 27 – Staff attended a Piru Spreading Grounds site visit with Engineering, WR, O&M, and ESD to assess the current conditions and determine next steps for potential reactivation.
- o September 6 – David Evans and Associates completed the field program for the 2026 LP Bathymetric Survey and demobilized the survey vessel.

Safety Improvement Project

• **Outlet Works Improvement Project:**

- o Staff held weekly Front-end specifications workshops with B&V and GEI. Discussion topics included the District's QA obligations during construction, the submittal review process during construction, liquidated damages, and the schedule for completing Bid Documents prior to BOC No.13
- o August 20 – Staff held a contractor information-sharing meeting with Traylor Brothers, Ballard Marine, and Granite Construction.
- o August 27 – Staff received a letter from FERC indicating they have no further comments on the BOC Meeting No. 9 Packet (SFD OW Final Design Documents).
- o September 4 – Staff worked on refining list of contractor obligations based on permit conditions.
- o September 15 – Staff held a contractor information-sharing meeting with Barnard Construction (see **Figure 3**).
- o See Funding Efforts

• **Spillway Improvement Project**

- o August 4 – Review comments from GFT on GEI's Revised Watershed Model Calibration TM were received.
- o August 6 – Staff held a SFD Watershed Model Calibration review meeting with Water Resources, GEI, and GFT.
- o August 13 – An SFD HHA and SFD Watershed Model Calibration Review Meeting was held in which GEI, GFT, and UWCD continued to discuss the advancement and finalization of the two documents.
- o August 17 – Staff received the draft IC Review Letter on the SFD HHA from GFT.
- o August 26 – Staff submitted the BOC Meeting No. 12 Pre-Meeting Packet to FERC, BOC, and DSOD, including the SFD HHA, SFD Watershed Model Calibration, and IC Comment Letter.
- o September 9 – The SFD SIP BOC Meeting No. 12 was conducted in which GEI presented the updated SFD Hydrologic Hazard Analysis, SFD Watershed Model Calibration, and updated SFD HHA, including an Q/A Session with BOC.
- o September 10 – The SFD SIP BOC Meeting No.12 BOC Findings Meeting was held in which the BOC found the SFD HHA to be appropriate for determining flood frequencies for events that lead to reservoir elevations below 1084.5 (the top of the proposed parapet wall). The BOC also recommended that UWCD and GEI conduct a robustness study to determine how much water the SFD Spillway can pass safely (the current design basis is 205,000 cfs discharge with 5.5 feet of freeboard).

4.1 Engineering Department Monthly Report Information Item

- *Please see the Monthly Environmental Services Department Report for updates on the Project's environmental compliance and permitting process.*

Lake Piru Recreation Area FIP

- **LOG Restroom Repair**
 - o September 11 – Staff met onsite with MDJ and the Gordian group for repair of the restroom flooring system.
- **Water Treatment Plant Upgrades**
 - o August 14 – Staff coordinated with EPD (current filter vessel manufacturer) for pricing on four (4) new filter vessels which includes two access hatches, four 2-inch anode ports, stainless steel flanged risers, NSF-61 internal coating, and filter internals.
 - o September 11 – Staff provided comments on the revised 90% BODR prepared by Stantec.
 - o September 14 – An electrical LPWTP site visit with Stantec and Wunderlich-Malec was held. (See **Figure 2**).

Freeman Diversion Expansion

- August 28 – Staff reviewed and provided the final version of the information submittal prepared by NHC to ES.
- September 10 – Staff completed their review of the 60% design milestone submittal of the Improved Denil project and provided a combined comment document to GEI and NHC.
- *Please see the Monthly Environmental Services Department Report for updates on the Project's environmental compliance and permitting process.*

Freeman Conveyance System Upgrade – Freeman to Ferro

- **Vineyard Avenue Crossing**
 - o August 17 – The VAC (Noble to Ferro) construction bid opening was held. UWCD received four (4) bids.
 - o September 10 – Following the Board of Directors' award of a construction contract on September 9, Staff provided a notice of award to Sam Hill and Sons for \$6,106,190 for the Vineyard Avenue Crossing construction.

El Rio Wellfield

- **Well 17**
 - o Between August 14 and 26, Staff conducted site visits to inspect the discharge head and motor, and capture site photos to support competitive solicitation for equipping Well 17.

4.1 Engineering Department Monthly Report Information Item

- **Well 14**
 - o September 3 – Staff coordinated with the cross-departmental team to conduct an assessment (GPRS performed a pipeline camera inspection) of portions of the Well 14 discharge line in four (4) locations to prepare for the reimplementation of Well 14 into production and to investigate high energy costs that have been documented when running the well. (See **Figure 1**).

OH Pipeline

- August 31 – Staff met with NV5 to discuss the VAAMWC consolidation project, connection to OH pipeline, and next steps with County of Ventura. The County will be engaging LAFCO on including water service in CSA 34.
- September 15 – RCAC issued notices to nearby public water systems about the proposed Vineyard / El Rio Water Systems Consolidation Project which will supply 538 connections and five small water systems into a single water system owned by the County's CSA 34. RCAC requested written confirmation of systems not interested in participating in the proposed project.
- September 13 – Staff coordinated with Rio School District representatives related to its Rio Real Elementary School Expansion Project and water supply request.

Recycled Water

- August 19 – Held a recycled water tracer study planning meeting with DDW and LARWQCB staff. Presented proposed tracer injection in the Rose Basin. Will revisit plan and submit draft to DDW/LARWQCB.

LOSSAN-Leesdale Siding Extension Project

- August 5 – Kicked off an internal scoping meeting to address strengthening the 30-inch PTP in two locations that cross under the existing Union Pacific Railroad mainline track and future LOSSAN-Leesdale Siding Extension Project.
- September 3 – Received updated proposal from Kennedy Jenks for LOSSAN-Leesdale PTP casing extension.

Rice Avenue Overcrossing Project

- August 27 – Received an updated schedule from RVI CM related to approximately 800 LF of 30" PTP pipeline replacement on Rice Avenue. Potholing is scheduled to start in February 2027 followed by removal and disposal of pipeline between March and April 2027. Work is scheduled to be completed by Jun 2027.

PTP Turnout Metering

- September 18 – Staff discussed next steps with SCADA integration (consultant proposal expected in a few weeks) and a potential time extension request related to the DWR AgWUE grant set to expire Oct 31, 2026.

Extraction Barrier and Brackish Water Treatment Project

4.1 Engineering Department Monthly Report Information Item

Meetings

- Continued to meet internally with design and environmental consultants, and grant agency (SWRCB).
- August 3 – Meetings with ESA and LWA to review current water quality data and discuss a new sampling SOP for the new monitoring well network.
- August 6 and 19 – Staff held a meeting with K/J and RCS to discuss Phase 1 extraction well pumping rates, with a groundwater flow model presentation by WR. The team concluded that weighted extraction rates would be favorable for the project.
- August 21 – Staff conducted an EBB WTP Introduction Meeting with new NBVC PWO, including the XO, ED, and APWO. The PWO is requesting an "Officers Tour" of UWCD facilities. Discussion topics included the 60% design workshop with NBVC, NBVC civil engineering review of the 60% design, MOA renewal, and outgrant easement. Discussed a potential IGSA related to NBVC water infrastructure.
- August 27 – The UWCD/NBVC Monthly Drumbeat meeting was held. Discussion topics included the draft Monitoring Plan, deconflicting a bridge repair/replacement project, temporary piezometer well installation, draft legal description and plat, 50-year outgrant easement, proposed 60% design workshop, EMR site approval, electric service MOA, NEPA status, and other misc. topics.
- August 28 – Staff held a meeting with BKF, NBVC's APWO, and the dig permit team to discuss the approval path for temporary piezometer wells.
- September 18 – Staff held a meeting with ESD to discuss EBB WTP Phase 1 NEPA final draft edits by ESA.

Design and Construction Readiness

- September 3 – Staff received and filed the approved dig permit from the APWO related to temporary piezometer well installation (to be performed by Earth Systems).
- September 4 – Staff reviewed, revised, and commented on potholing reports prepared by C-Below. Staff received the final draft and reviewed and commented on FE daily reports. Results were compared, and deliverables were sent to KJ.
- September 4 – The District solicited a RFQ/P for Phase 1 CM and Inspection Services. The RFQ/P included a request for constructability review services at the 60% design level. Four (4) proposals were received which are currently under review by the evaluation panel. Consultant interviews have been scheduled for October.
- September 15 – Received comments from NAVFAC SW on the draft legal description and plat for EBB WTP Phase 1 outgrant easement. Distributed to ECG for corrections.
- ***See Funding Efforts***

4.1 Engineering Department Monthly Report Information Item

- *Please see the Monthly Environmental Services Department Report for updates on the Project's environmental compliance and permitting process.*

Utility Requests

- Throughout August and September, staff continued to respond to various Utility Requests for work that potentially impacts the PTP, PV, and the OH Pipelines:
 - o **Costco – City of Camarillo**
 - August 6 – Staff responded to submittals and provided field observations as the Utility Owner Representative for construction of a manhole shaft in Overland Road for the PV Pipeline that is being constructed by the developer related to the Costco project in Camarillo.
 - August 10 – August 14 – Staff observed construction of a manhole access shaft added onto an existing buried access hatch on the PV Pipeline near the new Costco development. The work was completed by Toro and funded by the development team at no cost to United.
 - August 25 – Staff responded to Costco's submittal review requests and conducted a field visit to review damage to the air/vacuum release riser.
 - o **City of Camarillo**
 - September 4 – Staff responded to two utility requests and reviewed loading calculations on the PV Pipeline related to the proposed Camarillo Bike Path project.
 - September 8 – Staff responded to a request for a potential connection at W Daily Drive in Camarillo to PV Pipeline and/or PTP Pipeline.
 - o **Other**
 - September 10 – Staff responded to two utility requests regarding Oxnard Rose Resurfacing and VCTD Hueneme Road widening.

State Water Interconnection Project

- August 5 – Staff met with City of Ventura staff to discuss easements that are pending negotiation and recordation.

Asset Management/CMMS System

- August 5 – Fieldwork has been scheduled for October 5 to assess the cathodic protection system in a nearly mile-long segment of the OH pipeline near Bard St. in Oxnard.

4.1 Engineering Department Monthly Report Information Item

- September 10 – Staff evaluated the remaining engineering project files to be scanned in the second portion of the Historical File Scanning project with the ARC representative.

Funding Efforts

- **Santa Felicia Dam**
 - o August 24 – Staff submitted FEMA HHPD Part 1 Submittal/NOI to DWR.
 - o September 8 – The IRT Public Notice was submitted for assistance with drainage improvements at the Dam Tenders' residence.
- **Extraction Barrier and Brackish Water Treatment Project**
 - o Staff continued to coordinate with the OLDCC on UWCD's FY26 DCIP proposal status.

Professional Development (Conferences, Trainings, Webinars)

- August 14 – The Assistant General Manager and Engineering Manager attended the NCG1 Change of Command Ceremony at NBVC Port Hueneme (CAPT Santiago to CAPT Litteral). Staff met with the new NBVC Public Works Officer (Paul E. Simpson).
- August 31 – Staff provided an El Rio WTP & GWR Facility and SFD Tour to the VC Grand Jury.
- September 4 – Staff provided an El Rio WTP & GWR Facility and SFD Tour to ACWA Region 5.
- September 10 – Staff participated in the Seawater Intrusion Extraction Barrier (SWIEB) Working Group meeting (public outreach).
- September 16 – Engineering Staff participated in the Annual Safety Fire and Extinguisher Training (see **Figure 4**).

[This space intentionally left blank.]



Figure 1: September 3 - Associate Engineer Matt Wong attending the Well 14 discharge head and pipeline camera inspections by GPRS

4.1 Engineering Department Monthly Report Information Item



Figure 2: September 14 – Engineering Staff met with contractors for an LPWTP Site Visit



Figure 3: September 15 – Staff met with Barnard Construction for an Information Sharing Meeting for the Outlet Works Project

4.1 Engineering Department Monthly Report Information Item



Figure 4: September 16 – Engineering staff participated in the Annual Safety and Fire Extinguisher Training

4.1 Engineering Department Monthly Report Information Item

Acronym Index

Acronym	Definition
ACWA	Association of California Water Agencies
AgWUE	Agricultural Water Use Efficiency
APWO	Assistant Public Works Officer
ARC	ARC Document Solutions, Inc.
B&V	Black & Veatch
BKF	BKF Engineers
BOC	Board of Consultants
BODR	Basis of Design Report
Cal OES	California Governor's Office of Emergency Services
CDSE	Chief Dam Safety Officer
cfs	Cubic Feet per Second
CM	Construction Manager
CMMS	Computerized Maintenance Management System
DCIP	Defense Community Infrastructure Program
DDW	Division of Drinking Water
DEA	David Evans and Associates, Inc.
DSOD	Division of Safety of Dams
DWR	California Department of Water Resources
EAP	Emergency Action Plan
EBB	Extraction Barrier and Brackish
ECG	Encompass Consulting Group Inc.
ESA	Environmental Site Assessment
ESD	Environmental Services Department
FE Civil	Filippin Engineering
FEMA	Federal Emergency Management Agency
FERC	Federal Regulatory Commission
FIP	Facility Improvement Project
GEI	GEI Consultants
GFT	GFT Infrastructure, Inc.
GPRS	Ground Penetrating Radar Systems
GWRWTP	Groundwater Recharge Water Treatment Plant
HDR	HDR Consultants, Inc.
HHA	Hydraulic Hazard Analysis
HHPD	High Hazard Potential Dam
IGSA	Intergovernmental Support Agreement
IRT	Innovative Readiness Training Program
K/J	Kennedy Jenks Consultants
LAFCo	Ventura Local Agency Formation Commission
LARWQCB	Los Angeles Regional Water Quality Control Board

4.1 Engineering Department Monthly Report Information Item

Acronym	Definition
LOG	Lower Olive Grove
LOSSAN	Los Angeles – San Diego – San Luis Obispo
LPWTP	Lake Piru Water Treatment Plant
LWA	Larry Walker Associates
MDJ	MDJ Management, LLC
MOA	Memorandum of Agreement
NAVFAC	Naval Facilities Engineering Systems Command
NBVC	Naval Base Ventura County
NCG1	Naval Command Group 1
NEPA	National Environmental Policy Act
NHC	Northwest Hydraulic Consultants
NOI	Notice of Intent/Interest
NV5	Nv5 Global, Inc.
O&M	Operations and Maintenance
OCS	On-Call Services
ODSP	Owner's Dam Safety Plan
OH	Oxnard Hueneme
OLDCC	Office of Local Defense and Community Cooperation
PTP	Pumping Trough Pipeline
PV	Pleasant Valley
PWO	Public Works Officer
QA/QC	Quality Assurance/Quality Control
RCAC	Rural Community Assistance Corp
RCS	Richard Slade and Associates
RFQ/P	Request for Qualifications/Proposals
SCADA	Supervisory Control and Data Acquisition
SFD	Santa Felicia Dam
SIP	Safety Improvement Plan
SOP	Standard Operating Procedure
SWIEB	Seawater Intrusion Extraction Barrier
SWRCB	State Water Resources Control Board
TM	Technical Memorandum
VAC	Vineyard Ave Crossing
VC	Ventura County
VCTD	Ventura County Transportation Department
WR	Water Resources
WTP	Water Treatment Plant/Project
XO	Executive Officer (military usage)



STAFF REPORT

To: Engineering and Operations Committee Members

Through: Mauricio Guardado, General Manager
Anthony A. Emmert, Assistant General Manager
Dr. Maryam Bral, Assistant General Manager

From: Marissa Caringella, Environmental Services Manager

Date: September 21, 2026 (October 1, 2026, meeting)

Agenda Item: 4.2 Environmental Services Department Monthly Report
Information Item

Staff Recommendation:

Review this staff report from the Environmental Services Department (ES) staff regarding its activities for the months of August and September 2026.

Discussion:

1. Santa Felicia Project Operations and Federal Energy Regulatory Commission License Support

Santa Felicia Dam Safety Improvement Project

On August 18, 2026, the Federal Energy Regulatory Commission (FERC) issued an order amending United Water Conservation District's (United) FERC license for the Santa Felicia Dam Safety Improvement Project (SFDSIP). In the order, FERC noted the pending final rule revising designated critical habitat for southern California steelhead.

On September 8, 2026, ES staff submitted a Pre-Construction Notification under Nationwide Permit 17 (Hydropower Projects) to the U.S. Army Corps of Engineers for the SFDSIP. The Nationwide Permit is required under Section 404 of the Clean Water Act.

Water Release Plan and Water Release and Ramping Rate Implementation Plan

Under the Water Release Plan and FERC license for the Santa Felicia Project, United is required to make certain water releases from the Santa Felicia Dam (SFD) for steelhead habitat and migration when specific triggers are met. Triggers for habitat water releases are based on cumulative rainfall within the water year. United evaluates whether the trigger is met on the first day of each month, between January and June. The total precipitation as of February 1, 2026, met the triggers for elevated habitat releases through October 1, 2026;

therefore, the minimum required habitat water release between June 1 through October 1, 2026, is nine cubic feet per second.

Lower Piru Creek Herpetological Monitoring Plan and Arroyo Toad Protection Plan

On August 24 and 25 and September 8, 2026, ES staff conducted exotic species eradication efforts in the spillway ponds as part of FERC compliance in accordance with the Revised Lower Piru Creek Herpetological Monitoring Plan and Arroyo Toad Protection Plan. A total of six bullfrogs were removed between the three outings.

Santa Felicia Whitewater Boating Access Plan

On August 14, 2026, ES staff supported Recreation staff in submitting a fall conservation release notification to whitewater boating stakeholders in compliance with Article 408 of United's FERC license. Stakeholders were informed of United's plan to release 200 cfs from SFD between August 19 and 27, 2026, and 350 cfs beginning September 9, 2026. On September 14, 2026, Recreation staff sent a follow-up notification informing stakeholders that United increased releases from SFD to 350 cfs.

NMFS 2008 Biological Opinion Compliance

On August 7, 2026, ES staff received a Special Use Permit from the Los Padres U.S. Forest Service (USFS) to decommission the instream monitoring equipment from middle Piru Creek upstream of Lake Piru on USFS property. The field component of the Santa Felicia Dam Fish Passage Feasibility Study is now complete. ES staff will remove the equipment from the creek in fall 2026.

On September 2, 2026, ES staff and Cramer Fish Sciences (CFS) hosted a meeting with members of the Santa Felicia Fish Passage Science and Technology Panel (FPSTP), as requested by the National Marine Fisheries Service (NMFS) and FERC. The meeting was attended by agency representatives from the California Department of Fish and Wildlife (CDFW), NMFS, U.S. Fish and Wildlife Service (USFWS), FERC, and USFS. ES staff and CFS presented on field activities that were completed since the previous FPSTP meeting on November 7, 2023. ES staff will submit SFD Fish Passage Feasibility Study deliverables to FERC by December 1, 2026.

United Water Conservation District v. FERC, Court Case in Abeyance

On September 29, 2010, the U.S. Court of Appeals granted United a motion to hold the court case "United Water Conservation District v. FERC" in abeyance and directed United to file status reports every 60 days. United filed the court case to challenge the biological opinion issued by NMFS on FERC's issuance of a license for the Santa Felicia Project. On September 8, 2026, the ninety-sixth status update was filed with the U.S. Court of Appeals for District of Columbia Circuit.

4.2 Environmental Services Department Monthly Report Information Item

2. Increased State Water Project Imports from Pyramid Lake to Lake Piru

On August 13, 2026, ES staff met with Department of Water Resources (DWR) staff regarding the temporary variance submittal status and timeline. DWR had reviewed materials provided by United on April 25, 2026, and requested that United make minor revisions. On August 25, 2026, ES staff provided a revised and updated package to DWR containing the draft FERC license temporary variance materials, Clean Water Act Section 401 water quality certification temporary amendment materials, and wildlife agency consultation materials. ES staff will continue to coordinate with DWR to secure the necessary approvals in advance of the November 2027 delivery window.

3. Petition to Revise Designated Critical Habitat for Southern California Steelhead

On March 20, 2025, United submitted a petition to the Department of Commerce to revise designated critical habitat for southern California steelhead below Santa Felicia Dam. On July 11, 2025, NMFS published a 90-day finding that the petitioned action may be warranted; this initiated a public comment period and one-year formal review. On June 9, 2026, NMFS published a 12-month finding and proposed rule to remove this reach from the critical habitat designation for southern California steelhead. This finding initiated an additional public comment period, which closed on August 28, 2026; 496 comments were submitted. NMFS has until June 9, 2027, to publish the final rule.

4. Freeman Diversion Operations

During the months of August and September 2026, ES staff continued to support Freeman Diversion operations and maintenance activities by coordinating with Water Resources (WR) and O&M staff, coordinating with resource agencies as needed, conducting pre-project surveys, and providing on-site biological monitoring. Specifically, ES staff supported ongoing flushing operations and planning for upcoming fall maintenance activities.

5. Multiple Species Habitat Conservation Plan

Following the January 8, 2026, submittal of the Freeman Diversion Multiple Species Habitat Conservation Plan (MSHCP) under the federal Endangered Species Act (ESA), incidental take permit (ITP) applications under the California Endangered Species Act (CESA), and notifications of Lake and Streambed Alteration, United continues to communicate with federal and state agencies regarding review and processing of the subject applications for the Improved Denil fish passage improvement project. On June 17, 2026, United staff met with NMFS staff; NMFS requested follow-up information, which United provided during the months of June, July, and August. NMFS then requested an updated MSHCP project description, which ES staff developed and provided to NMFS on September 2, 2026.

Throughout the months of August and September 2026, ES staff also continued to update the CESA ITP application materials for current and future operation of the Freeman Diversion.

4.2 Environmental Services Department Monthly Report Information Item

In response to a request from Judge Smith and Wishtoyo at the status conference in Judge Carter's court on July 23, 2026, United staff compiled information regarding the benefits of the Improved Denil project including summaries of the project's consistency with fish passage objectives and criteria, the timely completion of the project, reliable and resilient fish passage, cost feasibility, and conservation benefits provided by the project. On August 13, 2026, United's legal counsel submitted the information to Judge Smith and Wishtoyo.

6. Extraction Barrier and Brackish Water Treatment Project

On June 30, 2026, United submitted the draft National Environmental Policy Act (NEPA) Environmental Assessment (EA) document to the U.S. Navy. On August 21, 2026, United received the Navy's comments on the draft NEPA EA. The draft EA will be updated and resubmitted to the Navy by the end of September 2026. To support the Navy's finalization of the NEPA process, ES staff prepared a federal biological resources assessment that addressed the ESA, Marine Mammal Protection Act, and Magnuson-Stevens Fishery Conservation and Management Act regulatory processes. The federal biological resources assessment was sent to the Navy on August 18, 2026. The NEPA EA and federal biological resources assessment will facilitate finalization of the Navy's environmental review process for the Phase 1 project.

7. Sustainable Groundwater Management Act

During the month of August 2026, the Fillmore and Piru Basins Groundwater Sustainability Agency executed task orders for both United and Stillwater Sciences to continue ongoing work regarding Groundwater Sustainability Plan data gaps. Work planned for the 2026–2027 Fiscal Year includes collecting hydrological data around the Sespe Creek confluence and collecting biological data within the East Grove Groundwater Dependent Ecosystem.

8. Invasive Mussel Management

Throughout the months of August and September 2026, ES staff continued to conduct quagga mussel monitoring activities on Lake Piru, lower Piru Creek, and the spillway pool in accordance with the Quagga Mussel Monitoring and Control Plan. ES staff also continued quagga mussel veliger (larva) sampling in United's lower system and continues to coordinate regularly with Pleasant Valley County Water District.

On July 27, 2026, United received a letter from CDFW requesting that United prepare and submit a revised Mussel Management and Control Plan to be inclusive of all species of invasive mussels (i.e., quagga, zebra, and golden mussels). The revised plan is due to CDFW by September 30, 2027.

9. Grant Efforts

On August 20, 2026, United staff met with the California Governor's Office of Emergency Services (Cal OES) and the Federal Emergency Management Agency (FEMA) to discuss grant status. They confirmed United's Building Resilient Infrastructure and Communities

4.2 Environmental Services Department Monthly Report Information Item

(BRIC) grant program application, which covered the SFDSIP (Outlet Works Project) and requested \$20 million, has been submitted to FEMA by Cal OES on the national priority list.

On September 9, 2026, ES staff and GTF submitted an application to the U.S. Bureau of Reclamation (Reclamation) under the WaterSMART Enhancing Water Resources grant program. The federal funding request of \$310,566 would support invasive species removal along middle Piru Creek, Agua Blanca Creek, and the Pothole Trailhead. United received letters of support from County of Ventura District 3 Supervisor Kelly Long, the Ventura County Resource Conservation District, the Santa Clara River Watershed Committee, and the Piru Neighborhood Council.

On September 3 and 9, 2026, ES staff met with the U.S. Bureau of Reclamation staff regarding the \$20 million grant for the Freeman Diversion Fish Passage Rehabilitation Project under the WaterSMART Aquatic Ecosystem Restoration Projects program. ES and Reclamation staff discussed updated project materials and the next steps in the grant review process moving toward the issuance of a final grant agreement.

10. California Environmental Quality Act

During the months of August and September 2026, ES staff prepared a California Environmental Quality Act (CEQA) Notice of Exemption for the Rancho Temescal Property Acquisition Project. The Project is exempt from CEQA under Section 15301 (Class 1 Existing Facilities) and under the Common Sense exemption Section 15061(b)(3). The NOE was filed with the Ventura County Clerk and State Clearinghouse on September 11, 2026.

11. Miscellaneous

During the month of August 2026, ES staff supported the General Manager in legislative efforts, including attending meetings and reviewing state and federal bills.

During the month of August, United posted an Environmental Scientist and part-time ES Field Assistant positions to Government Jobs. Interviews for both positions are being held in September 2026.

On August 3 and 5, 2026, ES staff participated in outreach at the Ventura County Fair.

On August 4, 2026, ES staff participated in outreach at the National Night Out events.

On August 7, 2026, ES and WR staff provided a tour of the Freeman Diversion to Danielle Bram, director of the Center for Geospatial Science & Technology at CSU Northridge. ES and WR staff are exploring opportunities for collaboration for research and technical support regarding GIS and geospatial data.

On August 11, 2026, ES staff attended a webinar from Dr. Daniel Swain (UCLA) regarding long-range El Niño forecasting.

4.2 Environmental Services Department Monthly Report Information Item

On August 12, 2026, United staff met with the Santa Clara River Watershed Committee coordinators to provide an overview of United and discuss critical projects for the watershed.

On August 25 and 26, 2026, United staff attended the DWR Water Plan Advisory Committee meeting in Alhambra; the public meetings will continue to support development of the 2028 Water Plan.

August 26, 2026, was Environmental Scientist Tessa Lenz's last day with United after seven years. She accepted an Environmental Manager position with Waste Connections US Inc.

On August 27, 2026, ES staff participated in outreach at the Downtown Oxnard Farmer's Market.

On August 31, 2024, ES staff participated in the Grand Jury tour.

On September 4, 2026, ES staff participated in the Association of California Water Agencies tour.

On September 9, 2026, ES staff attended a webinar hosted by ICF focused on the implications of rule changes to the Endangered Species Act.

September 10, 2026, was part-time ES Field Assistant Lukas Capatosto's last day with United. He accepted a full-time position in his home state of Ohio.

On September 14, 2026, the final rule issued on July 14, 2026, by the U.S. Fish and Wildlife Service and NMFS rescinding the regulatory definition of harm in ESA regulations went into effect.

On September 16, 2026, ES staff participated in the annual fire extinguisher training and monthly safety meeting.

During the month of September 2026, ES staff completed a Mitigation Measure Development and Monitoring course through the UC Davis Continuing and Professional Education program.



STAFF REPORT

To: Engineering and Operations Committee Members

Through: Mauricio Guardado, General Manager
Dr. Maryam Bral, Assistant General Manager

From: Craig Morgan, Chief Operations Officer
Randy Castañeda, Operations Supervisor - Water Treatment
Ed Reese, Control Systems Supervisor
J.D. Smallwood, Operations Supervisor - Water Distribution

Date: September 17, 2026 (October 1, 2026, meeting)

Agenda Item: 4.3 Operations and Maintenance Department Monthly Report
Information item

Staff Recommendation:

Receive this summary report from the Operations and Maintenance Department regarding its activities for mid-August to early September 2026, as well as a presentation of its highlights.

1. Major Facilities Update

- **Santa Felicia Dam**

- o On August 17, 2026, Lake Piru level was 1051.05'. As of September 17, 2026, Lake Piru level had dropped to 1042.40' due to the annual Conservation Release.
- o Santa Felicia Dam (SFD) outflows ranged from 9.97 CFS to 402.23 CFS between August 17 and September 17, 2026, as releases continue to be adjusted throughout the ongoing annual Conservation Release in accordance with operational requirements.
- o Santa Felicia Dam's monthly inspection for August was completed and submitted to the Engineering Department for review. The September monthly inspection is currently ongoing.
- o On August 18, 2026, SFD O&M and Engineering staff conducted an important operational procedure that included exercising the 72-inch butterfly valve and two 36-inch cone valves, as well as draining and inspecting the 60-inch penstock. This work was mandated by the Division of Safety of Dams during their recent dam inspection. All activities were completed successfully, and staff gained valuable hands-on experience operating and inspecting this critical infrastructure.

4.3 Operations and Maintenance Department Monthly Report Information Item

- o SFD and Saticoy O&M staff teamed up to complete maintenance work along East Access Road in preparation for the upcoming wet season with potential for major storms. Work included grading and cleaning multiple debris basins, as well as grading and raising sections of the access road to improve drainage, access, and overall site readiness.
- o SFD O&M staff assisted the Control Systems team with the installation of a new intercom system within the Penstock Tunnel to improve communication and operational safety.
- o The monthly siren test was successfully conducted on September 4, 2026, to verify proper operation of the emergency notification system.
- **Freeman Diversion, Saticoy, and El Rio Recharge Facilities**
 - o Various maintenance activities and inspections were conducted throughout the Saticoy Facility, ensuring reliable water diversions.
 - o Staff performed routine screen bay maintenance between sediment flush operations to ensure continued functionality and reliable system performance.
 - o Saticoy O&M staff completed a full exercise, pressure washing, and inspection of the Canal Gates. These gates are a critical component of the Freeman Diversion system and allow staff to harvest Santa Clara River flows. Overall conditions were satisfactory, with only minor maintenance items identified.
 - o Saticoy O&M staff replaced the stop logs in the Canal Bay. These stop logs are critical to harvesting available flows while minimizing sediment entering the Canal Bay and Fish Screen Bay, protecting critical infrastructure.
 - o Saticoy O&M staff completed the annual Trash Rack service at the Freeman Diversion in preparation for the upcoming storm season. Work included inspection and servicing of the Trash Rack and associated components to ensure reliable operation during storm events.
 - o Saticoy O&M staff have developed methods to repair and replace various components of the Freeman fish wiper assembly while maintaining active diversions. Work includes brush maintenance and replacement, roller bearing replacement, gearbox oil changes, and other miscellaneous repairs, allowing staff to maximize productivity while minimizing impacts to water yield.
 - o Various sediment flushes were conducted at the Freeman Diversion in response to increased river flows associated with the annual Conservation Release.
 - o Saticoy O&M staff completed discing of the ponds in anticipation of the annual Conservation Release. This work supports weed abatement, fire prevention, and improved groundwater recharge conditions.
 - o Discing of the Noble and Rose Basins is currently ongoing in preparation for the annual Conservation Release.
 - o Saticoy O&M staff replaced the old and deteriorated oil containment fencing to improve site appearance and maintain the District's facility appearance standards.

4.3 Operations and Maintenance Department Monthly Report Information Item

- o Saticoy O&M staff assisted the Public Outreach team with the installation of new Measure D signage at both the Saticoy and El Rio Facilities.
- o Saticoy O&M staff are performing maintenance and touch-up grading on the base roads using the District-owned motor grader.
- o Saticoy O&M staff are performing various maintenance and touch-up items at the vacant Saticoy residence to maintain the property and uphold a professional District appearance.
- o Static groundwater levels (distance to water - from the well pad to the water table):

Facility	2026*	2025	2024	2023
Saticoy	51'	72'	47'	16'
El Rio	48'	82'	67'	79'
PTP	66'- 80'	82 - 143'	65 – 107'	76' - 105'

** Static groundwater levels are typically recorded in the last week of the month.
This table represents data in the month of August.*

- **Oxnard Hueneme Delivery System**
 - o UWCD staff installed refurbished motor for OH Well 19.
 - o El Rio operators made repairs to the aqua ammonia injection system and continuous monitoring analyzers.
 - o UWCD staff made program adjustments to rpm settings for the El Rio VFD Booster Pumps and provided the output to NDI for fine tuning alternatives.
 - o El Rio operators changed out the CL2 ton cylinders and accepted delivery of refill tanks.
 - o El Rio operators changed out the bearing oil for OH, PTP, and Saticoy well motors.
- **Pleasant Valley County Water District**
 - o Demand was met with surface water and supply from Saticoy wells.
 - o Re-piped 4" supply to air vac. valve near Camarillo Costco site.
- **Pumping Trough Pipeline**
 - o El Rio operators made repairs to the NaOCL injection system at PTP Reservoir.
 - o El Rio operators uncovered and marked various isolation valves for PTP turnouts.
 - o UWCD replaced a defective pressure transducer at the PTP Reservoir Fill Valve station.
 - o UWCD staff supported the contractor as they began installing a new pump assembly at PTP Well 2.
- **Control Systems**
 - o New flooring was installed in Saticoy's Data Center container.

4.3 Operations and Maintenance Department Monthly Report Information Item

- o Attended Ventura County Regional Radio System Subcommittee meeting.
- o NDI introduction to UWCD's O&M staff and VFD repair.
- o El Rio backup Genset has been repaired.
- o Torrey Mountain radio link repair was completed.
- **Lake Piru Water Treatment Plant**
 - o All the chlorine residuals and turbidity readings for the Lake Piru Water Treatment Plant (LPWTP) were within proper ranges in August.
 - o Monthly pH, turbidity, and coliform samples were obtained from the treatment plant as part of the Long-Term 2 Enhanced Surface Water Treatment Rule compliance monitoring. The results were favorable, with another passing grade.
 - o Saticoy and SFD O&M staff performed various hose replacements on the pump barge to maintain equipment reliability and ensure continued operational readiness.

2. Operations and Maintenance Treatment Compliance Projects Update

- Performed monthly inspection of the OH clear wells.
- Completed and submitted the monthly DDW SWTR report for OH System.
- El Rio staff assisted DDW engineers in conducting the triennial sanitary survey of El Rio Treatment Plant.
- Obtained monthly static water levels for the OH, PTP, and Saticoy wells.
- Compiled data and completed the monthly UWCD surface water and pipeline usage reports.
- Conducted monthly test runs of the El Rio and PTP emergency generators.

3. Safety and Training

- Installed a new fire extinguisher at the PTP Reservoir site.
- Performed monthly calibrations on the El Rio CL2, aqua ammonia and natural gas leak detectors.

Attachment:

Operation Log for August 2026

OPERATIONS LOG v 10/7/21 ATTACHMENT

ATTACHMENT

DATE	SANTA FELICIA DAM								FREEMAN DIVERSION**					RECHARGE					IRRIGATION						O-H	
	SFD El.	Stor.	Surface	Evap.	Inflow Balance	Outflow USGS	Hydro	Rain 106E	River	Diverted	Fish*** Facility	Bypass Channel	Crest	El Rio	Saticoy Facility		Noble/ Rose	Piru	T.I.D.	P.T.P.	PVCWD		L.P.	Saticoy Wells	Total	Cl2
	Ft.	A/F	Acres	Inches	Av. CFS	Av. CFS	Kw	Inches	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Misc CFS†	Weir CFS	Av. CFS	Av. CFS	A/F	A/F	A/F	%	A/F	A/F	A/F	Lbs.
A/F*	77033				119,997	68,218		26.52	337,428	92,146	30,060	41,639		37,474	44789		10670	0.0	10,324	3,786	6,935		0.0	440	8,356	78,319
8/1/26	1051.44	76264	1179	0.299	-381		0	0.00	47	36	10.7	0	0	0.08	9	0	0	0.0	54.2	13.5	40.7	0.57	0.0	0.0	37.1	285
8/2/26	1051.40	76216	1179	0.325	-16		0	0.00	53	42	10.7	0	0	29.44	6	0	0	0.0	12.9	8.6	4.3	0.05	0.0	0.0	32.2	257
8/3/26	1051.37	76181	1178	0.304	-10		0	0.00	52	42	10.4	0	0	25.76	-35	30.4	0	0.0	41.6	11.8	29.8	0.36	0.0	0.0	34.9	255
8/4/26	1051.28	76075	1178	0.291	-46		0	0.00	51	40	10.7	0	0	21.23	-2	0	0	0.0	42.2	16.7	25.5	0.32	0.0	0.0	34.2	349
8/5/26	1051.25	76039	1177	0.297	-11		0	0.00	44	34	10.5	0	0	3.6	-2	0	0	0.0	64.5	15.0	49.5	0.74	0.0	0.0	34.5	401
8/6/26	1051.20	75980	1177	0.296	-22		0	0.00	46	36	10.7	0	0	0.13	9	0	0	0.0	52.7	14.6	38.1	0.54	0.0	0.0	33.1	389
8/7/26	1051.17	75945	1177	0.210	-12		0	0.00	45	34	10.7	0	0	0.16	7	0	0	0.0	53.4	14.3	39.1	0.58	0.0	0.0	37.0	325
8/8/26	1051.16	75933	1177	0.320	2		0	0.00	43	32	10.5	0	0	13.14	0	0	0	0.0	37.8	1.2	36.6	0.57	0.0	0.0	31.2	241
8/9/26	1051.13	75898	1176	0.349	-9		0	0.00	49	38	10.7	0	0	28.21	7	0	0	0.0	6.5	5.3	1.2	0.02	0.0	0.0	28.8	233
8/10/26	1051.10	75863	1176	0.350	-9		0	0.00	51	40	10.7	0	0	15.77	-1	0	0	0.0	48.8	19.7	29.1	0.37	0.0	0.0	22.0	247
8/11/26	1051.08	75839	1176	0.314	-4		0	0.00	48	37	10.7	0	0	0.17	8	0	0	0.0	56.2	2.7	53.5	0.73	0.0	0.0	19.9	179
8/12/26	1051.05	75804	1176	0.300	-10		0	0.00	45	35	10.7	0	0	9.97	4	0	0	0.0	42.0	16.7	25.3	0.37	0.0	0.0	24.6	185
8/13/26	1051.02	75769	1175	0.306	-10		0	0.00	38	27	10.7	0	0	0.12	1	0	0	0.0	51.4	21.8	29.6	0.55	0.0	0.0	28.4	233
8/14/26	1050.99	75733	1175	0.276	-11		0	0.00	38	27	10.7	0	0	0.08	10	0	0	0.0	44.5	16.1	28.4	0.53	0.0	10.6	28.5	224
8/15/26	1050.90	75627	1174	0.275	-47		0	0.00	40	29	10.7	0	0	3.9	0	0	0	0.0	64.6	23.8	40.8	0.71	0.0	14.9	21.4	170
8/16/26	1050.94	75674	1175	0.271	30		0	0.00	49	38	10.7	0	0	9.38	4	0	0	0.0	63.9	16.1	47.8	0.63	0.0	14.9	18.5	136
8/17/26	1051.02	75769	1175	0.283	55		0	0.00	52	41	10.6	0	0	20.92	1	0	0	0.0	51.5	3.5	48.0	0.59	0.0	14.7	15.6	23.8
8/18/26	1050.98	75721	1175	0.306	-17		0	0.00	41	30	10.7	0	0	22.68	-9	0	0	0.0	44.9	18.1	26.8	0.45	0.0	12.5	29.6	312
8/19/26	1051.00	75745	1175	0.322	20		0	0.00	41	30	10.7	0	0	0.16	6	0	0	0.0	61.5	18.4	43.1	0.73	0.0	14.7	31.1	374
8/20/26	1050.66	75346	1172	0.354	-193		0	0.00	36	25	10.7	0	0	0.14	6	0	0	0.0	51.4	17.9	33.5	0.68	0.0	14.7	23.7	292
8/21/26	1050.32	74947	1170	0.255	-195		0	0.00	46	36	10.7	0	0	0.23	12	0	0	0.0	60.5	31.0	29.5	0.42	0.0	14.7	27.5	243
8/22/26	1050.09	74678	1168	0.310	-128		0	0.00	57	46	10.6	0	0	11.32	1	0	0	0.0	81.7	35.2	46.5	0.51	0.0	14.7	21.8	181
8/23/26	1049.79	74328	1165	0.344	-168		0	0.00	76	66	10.7	0	0	29.01	4	0	0	0.0	78.5	23.4	55.1	0.42	0.0	14.7	18.4	126
8/24/26	1049.45	73932	1162	0.327	-192		0	0.00	87	76	10.7	0	0	32.02	-44	64.66	0	0.0	57.0	19.7	37.3	0.25	0.0	11.2	24.6	191
8/25/26	1049.19	73629	1160	0.306	-146		0	0.00	75	65	10.3	0	0	27.28	-40	51.7	0	0.0	57.6	22.6	35.0	0.27	0.0	6.9	20.6	239
8/26/26	1048.91	73305	1158	0.306	-156		0	0.00	83	72	10.7	0	0	25.16	1	0	0	0.0	90.9	46.3	44.6	0.31	0.0	0.0	24.1	289
8/27/26	1048.66	73015	1156	0.322	-139		0	0.00	67	55	8.4	3.9	0	19.06	3	0	0	0.0	64.6	30.1	34.5	0.32	0.0	0.0	20.9	233
8/28/26	1048.52	72853	1155	0.324	-74		0	0.00	59	49	10.9	0	0	14.91	-3	0	0	0.0	72.2	28.6	43.6	0.45	0.0	0.0	20.6	169
8/29/26	1048.49	72819	1154	0.296	-10		0	0.00	43	32	10.9	0	0	0.13	8	0	0	0.0	45.9	19.7	26.2	0.42	0.0	0.0	21.5	153
8/30/26	1048.51	72842	1155	0.246	18		0	0.00	42	31	10.9	0	0	0.02	10	0	0	0.0	41.7	18.3	23.4	0.38	0.0	0.0	20.0	145
8/31/26	1048.55	72888	1155	0.276	30		0	0.00	39	29	10.6	0	0	0	4	0	0	0.0	49.0	12.6	36.4	0.64	0.0	0.0	30.9	211
TOTAL CFS					-1863	0		0.00	1581	1248	329	4	0	364	-14	147	0	0.0								
AVERAGE CFS					-60	#DIV/0!			51	40	11	0	0	12	0	5	0	0.0								
TOTAL A/F					-3689	0			3129	2471	651	8	0	721	-28	291	0	0.0	1646	563	1083		0	159.2	817	7291
MONTHLY REVENUE TO DATE (approx.)							\$0	K																		
AVERAGE A/F					-119	#DIV/0!			101	80	21	0	0	23	-1	9	0	0.0	53	18	35	47%	0	5.1	26	235
WATER YEAR TOTALS A/F					116,308	68,218		26.52	340,557	94,617	30,711	41,647	0	38,195	45,052		10,670	0.0	11,970	4,350	8,018		0	600	9,173	85,610
* Input total A/F previous month																										
** Daily averages imported from Ranch Systems																										
***Fish facility flows include Denil fishladder, aux pipe and smolt bypass pipe																										
† Includes Ponds A, C, E, and I overflows, temporary storage in the desilting basin and Pond B, JLB diversions, losses between meters. Negatives mean prior storage from pond B or desilting basin is discharging to other metered sources.																										