

**AGENDA**  
**ENGINEERING and OPERATIONS COMMITTEE**  
**Thursday, January 6, 2022, at 9:00 am**  
**Boardroom, 1701 North Lombard Street, Oxnard CA 93030**

**Call to Order – Open Session**  
**Committee Members roll call**

**1. Public Comment (Proposed Time: 5 minutes)**

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 (Proposed Time: 5 minutes)**

**Motion**

The Committee will review and consider approving the Minutes from the December 2, 2021 Engineering and Operations Committee meeting.

**3. January 12, 2022 Board Meeting Motion Agenda Items**

The Committee will review and discuss the following agenda items to be considered for approval at the January 12, 2022 Board meeting. The Committee will formulate a recommendation to the entire Board based on its discussions with staff. The Committee will discuss the following items:

**3.1 Authorize the General Manager to Approve Proposed Change Orders in response to adjusted Material and Equipment Costs related to the Buy American Act compliance for the Iron and Manganese Removal Project (Engineering Department, Maryam Bral) (Proposed Time: 10 minutes)**

The committee will review and consider recommending approval of the motion item, authorizing the General Manager to approve change orders proposed by GSE Construction in response to the 2021 Defense Community Infrastructure Program grant special conditions, regarding compliance with the Buy American Act for the Iron and Manganese Removal Project resulting in contract cost increase up to one million dollars, to the full Board.

**3.2 Engineering Services to Support the Hardened Ramp Physical Modeling (Engineering Department, Craig Morgan) (Proposed Time: 5 minutes)**

The committee will consider recommending approval of the motion item, awarding a consulting engineering contract to Northwest Hydraulic Consultants, in the amount of \$341,254 and authorize the General Manager to execute the contract with Northwest Hydraulic Consultants for providing engineering services in support of the hardened ramp physical model, to the full Board.

**3.3 Designating authorization to the District's General Manager to Execute a Modified Utility Easement Deed Related to the PTP Metering Improvement Project for Select Properties (Engineering Department, Maryam Bral) (Proposed Time: 5 minutes)**



The committee will consider recommending approval of the motion item, authorizing the General Manager to serve as its agent for the execution and acceptance of a modified utility easement deed for select properties related to the District's Pumping Trough Pipeline Metering Improvement project, to the full Board. The Board previously authorized the General Manager to execute and accept utility easement deeds under Resolution 2020-22.

#### 4. Project Highlights

**4.1 Engineering Department Monthly Update** (Engineering Department, Maryam Bral)  
(Proposed Time: 15 minutes)

**4.2 Environmental Services Department Update** (Environmental Services, Linda Purpus)  
(Proposed Time: 15 minutes)

**4.3 Operations and Maintenance Department Update and Modeling Presentation**  
(Operations and Maintenance Department, Brian Collins) (Proposed Time: 15 minutes)

#### 5. Future Agenda Topics

#### ADJOURNMENT

##### Directors:

Lynn Maulhardt, Chair  
Edwin T. McFadden III  
Daniel C. Naumann

##### Staff:

Mauricio E. Guardado Jr.	Dr. Maryam Bral
Anthony Emmert	Brian Collins
John Carman	Craig Morgan
Michel Kadah	Robert Richardson
Adrian Quiroz	Linda Purpus
Randall McInvale	Evan Lashly
Hannah Garcia-Wickstrum	Tessa Lenz

*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, please contact the District Office at (805) 525-4431. Notification of at least 48 hours prior to the meeting will enable the District to make appropriate arrangements.*

Approved: \_\_\_\_\_

Mauricio E. Guardado, Jr., General Manager

Dr. Maryam Bral, Chief Engineer

\_\_\_\_\_

Brian Collins, Chief Operations Officer

Posted: (date) December 22, 2021

(time) 4:45 pm (attest) Destiny Rubio

At: United Water Conservation District Headquarters, 1701 Lombard Street, Oxnard CA 93030

Posted: (date) December 22, 2021

(time) 5:00 p.m.

(attest) Destiny Rubio

At: [www.unitedwater.org](http://www.unitedwater.org)



Board of Directors  
Michael W. Mobley, President  
Bruce E. Dandy, Vice President  
Sheldon G. Berger, Secretary/Treasurer  
Mohammed A. Hasan  
Lynn E. Maulhardt  
Edwin T. McFadden III  
Daniel C. Naumann

General Manager  
Mauricio E. Guardado, Jr.

Legal Counsel  
David D. Boyer

**MINUTES**  
**ENGINEERING AND OPERATIONS**  
**COMMITTEE MEETING**  
**Thursday, December 2, 2021, 9:00 A.M.**

**COMMITTEE MEMBERS PRESENT:**

Chair Lynn E. Maulhardt  
Director Edwin T. McFadden III  
President Michael Mobley (substitute for Director Naumann)

**STAFF ATTENDING**

Dr. Maryam Bral, chief engineer  
Anthony Emmert, assistant general manager  
Brian Collins, chief operations officer  
John Carman, operations and maintenance program supervisor  
Michel Kadah, engineer  
Tessa Lenz, associate environmental scientist  
Craig Morgan, engineering manager  
Josh Perez, chief human resources officer  
Ambry Tibay, senior accountant

**PUBLIC PRESENT**

No members of the public were present at the meeting

**OPEN SESSION: 9:00 a.m.**

Chair Maulhardt called the Engineering and Operations Committee Meeting to order at 9:00 a.m.

**Committee Members Roll Call**

Clerk called the roll. Committee members: Chair Maulhardt, Director McFadden, and Director Mobley were present.

**1. Public Comment**

Chair Maulhardt asked if there were any public comments for the Committee. None were offered.

**2. Approval of Minutes**

Motion to approve the Minutes from the November 4, 2021 Engineering and Operations Committee meeting, Director McFadden; Second, President Mobley. Voice vote: three ayes (Maulhardt, McFadden, Mobley); none opposed; Motion carried, 3/0.

**3. December 8, 2021 Board Meeting Motion Agenda Items**

**3.1 Supplemental Appropriation for Freeman Diversion Rehabilitation**

Engineering Manager Craig Morgan addressed the committee and provided a slide presentation (see attached) regarding staff's request that the Committee recommend

authorizing the General Manager to initiate a supplemental appropriation for CIP 8001 to allow for the continued advancement of the Freeman Diversion Expansion project as new federal court mandated deadlines have led to the depletion of the project budget for fiscal year 2021-2022, to the full Board.

President Mobley asked if these costs can be attributed to consultants working overtime. Mr. Morgan stated that the University of Iowa and the Bureau of Reclamation have incurred additional fees due to the need to expedite the modeling projects to meet the Court's deadline. He added that the amount budgeted for the next 2.5 year period of work has now been condensed. Chief Operations Officer Brian Collins stated that it has not been determined whether a fifth model will be required, but that cost, if needed, has also been included in the supplemental appropriation.

The committee members agreed to recommend approval of the motion item to the full Board.

#### **4. Project Highlights**

##### **4.1 Engineering Department Monthly Update**

Chief Engineer Dr. Bral provided updates and slides (see attached) on the Engineering department's activities for the month.

Chair Maulhardt inquired as to why the District was excluded from receiving funding for the High Hazard Potential Dams Grant Program and if staff was aware of which projects did receive funding. Dr. Bral stated that limited funding was made available to California and that the list of funded projects had not yet been published. Chair Maulhardt recommended that staff complete forensics on the application process to be better prepared for additional funding opportunities.

##### **4.2 Environmental Services Department Update**

Associate Environmental Scientist Tessa Lenz provided updates and slides (see attached) on the Environmental Services department's activities.

##### **4.3 Operations and Maintenance Department Monthly Update**

Chief Operations Officer Brian Collins provided updates and slides (see attached) on the Operations and Maintenance department's activities for the month.

Chair Maulhardt asked about the material from the desilt basin cleanout. Mr. Collins stated that it was relocated to the Dos Diegos area. Chair Maulhardt asked if staff has tested the soil and mentioned that the County is looking for fill dirt. Mr. Collins stated that there is a deposit of sediment near the Saticoy Shop that staff had analyzed and which is now available to be sold for a low cost. Mr. Collins stated that United has 20,000 cubic yards total. Chair Maulhardt mentioned the infrastructure bill and stated that it will be difficult to find fill dirt in the future. He recommended that staff complete an analysis of the fill and make it available. Mr. Collins stated this was a great idea and planned to look at it as a long-term option.

Director Mobley asked for an update on PTP Well No. 4. Mr. Collins stated that staff caught a preliminary bearing failure on PTP Well No. 2., and then removed PTP Well No. 2's motor for repairs. Shortly after, PTP Well No. 4 went out. PTP Well No. 4's motor was then sent out for an expedited rewind. At this point in time, staff leveraged well OH Well No. 12 at Rose and Central to convey water back to the PTP System. Staff is now working through administrative items to ensure that enterprise funds are appropriately managed.

Chair Maulhardt recommended that future meetings be held at facility locations or a tour of the facilities in the future.

#### **5. Future Agenda Topics**

No future agenda topics were offered.

#### **ADJOURNMENT 9:57 a.m.**

Chair Maulhardt adjourned the Engineering and Operations Committee meeting at 9:57 am.

I certify that the above is a true and correct copy of the minutes of the Engineering and Operations Committee Meeting of December 2, 2021.

**ATTEST:** \_\_\_\_\_  
Lynn Maulhardt, Chair

Motion Item 3.1


Supplemental Appropriation for Freeman Diversion Rehabilitation

Cost Breakdown		
Physical Modeling	USBR	\$668,929
	Iowa	\$1,004,495
Engineering Design including physical model support	NHC	\$341,254
	Stantec	\$155,300
	Misc. Engineering Services	\$170,000
Staff Time including travel		\$287,294
MSHCP support studies		\$100,000

Need: \$2,727,272

10% Contingency: \$272,727

Supplemental Appropriation Total: \$3,000,000



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# ENGINEERING DEPARTMENT MONTHLY UPDATE

December 2, 2021



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## SFD Safety Improvement Project



- NEPA Permitting - Proposed Release Channel
  - Technical Assistance (Virtual) Meeting with FERC, NMFS, CDFW, and SWRCB to review the 30% design and hydraulic modeling results on November 29.



- 2021 HHPD Grant Application
  - Nine (9) California dams classified as extremely high hazard dams were included in the DSOD application to FEMA. SFD was not selected due to limited funding made available to California.



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## Lake Piru WTP Slope Repair and Drainage Improvement Project

- Bid Opening held on October 28, three (3) bids received.
  - Summer Construction: \$91,480
  - Quality Ag: \$69,774
  - J&H Engineering: \$69,100
- Preconstruction meeting with J&H scheduled for December 2.
- Construction through December 2021.
- Earth Systems Pacific will perform the material and compaction testing for the work.



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## Freeman Diversion Rehabilitation

- The field portion of the Geotechnical Investigation is complete.
- The Geotechnical Engineering Report is due in March 2022 in support of the fish passage design.



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## Iron and Manganese Removal Project

- Dr. Bral was invited to provide project updates and feedback on the DCIP process at the ADC 2021 Installation Innovation Forum (San Antonio, TX).



- DOD OLDCC has completed NEPA for the Project and issued the NTP to the District.
- GSE Construction mobilized on November 29. Project is anticipated to be complete by January 2023.



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## OH System Backup Generator Project

- Construction is nearing completion.
- Material delivery delays
  - Delivery and installation of two appurtenances required to complete the work is pending.
- Time extension request submitted to CalOES, requesting project completion to be on May 25, 2022.




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## Coastal Brackish Groundwater Extraction and Treatment Plant

- October 19 - Agreement with GEI executed on for CEQA documentation of the project.
- October 19 - CEQA Kickoff Meeting and Site Tour at Navy Base Point Mugu.
- November 17 - Letter to Regional Water Quality Control Board regarding Water Quality Sampling.



Pictured left to right: Ginger Gillin (GEI), Nick Tomera (GEI), Tessa Lenz (UWCD), Nathan Jacobsen (USNBVC), and Robert Richardson (UWCD)



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## Water Sustainability Projects inclusion in DWR SGM Grant Round 1

- Ferro Rose Artificial Recharge of Groundwater
- Laguna Road Recycled Water Pipeline/Connection
- Nauman Road Recycled Water Pipeline/Connection
- SWP Interconnect Turnouts
- Freeman Expansion
- Coastal Brackish Groundwater Extraction and Treatment Plant





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QUESTIONS





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ENVIRONMENTAL SERVICES  
DEPARTMENT

Project Highlights


Environmental Services Manager, Linda Purpus  
December 2, 2021



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Summary Updates

- Freeman Sediment Management Project
- Historic Properties Management Plan
- End of Year Activities and Reports



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## Key Highlight

FERC Fish Passage Pre-implementation Studies  
(fall surveys complete)

- 750 total O. mykiss captured (genetic samples)
  - 630 fish tagged
  - 120 fish too small to tag
- Traps installed November 30







# Operations and Maintenance Update

## December 2, 2021



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# SANTA FELICIA DAM WATER TREATMENT PLANT AND GROUNDS



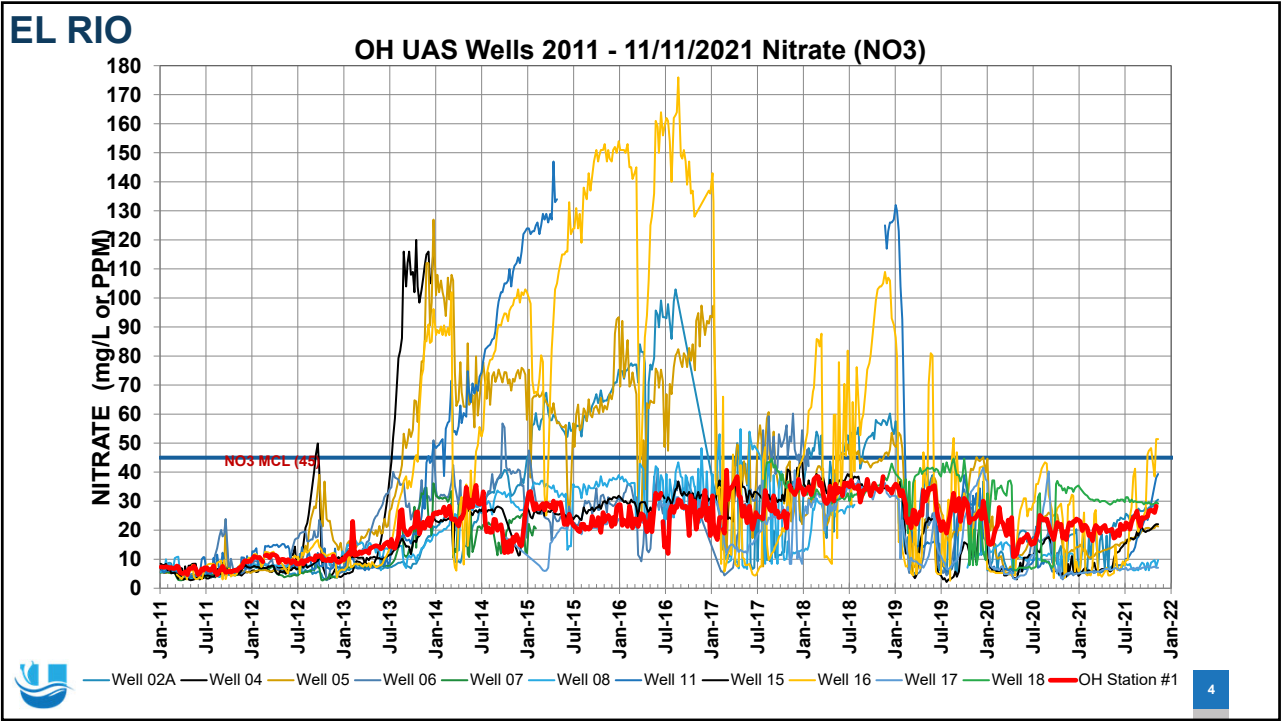


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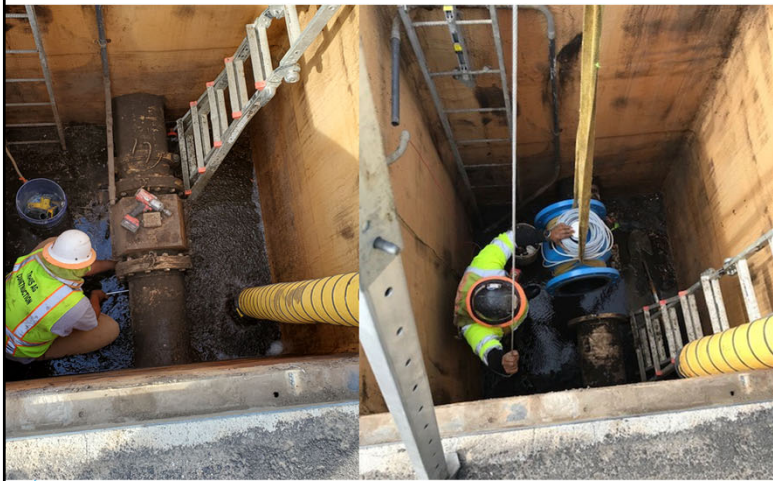
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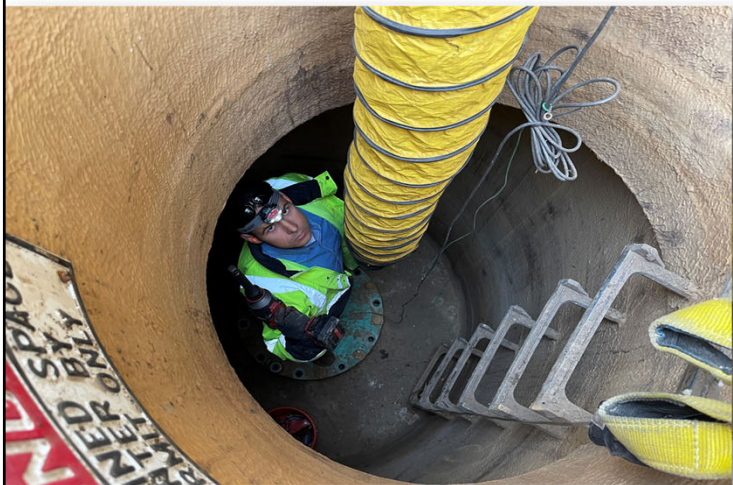
# OH PIPELINE PORT HUENEME WATER AGENCY METER REPLACEMENT



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# PTP 48" MAINLINE METER REPLACEMENT



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INSTRUMENTATION





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QUESTIONS?



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