

**MINUTES**  
**ENGINEERING AND OPERATIONS**  
**COMMITTEE MEETING**  
**Thursday, January 5, 2023, at 9:00 a.m.**  
**Board Room, UWCD Headquarters**  
**1701 N. Lombard Street, Oxnard, CA 93030**

**COMMITTEE MEMBERS IN ATTENDANCE**

Lynn E. Maulhardt, chair  
Gordon Kimball, director  
Daniel C. Naumann, director

**STAFF IN ATTENDANCE**

Anthony Emmert, assistant general manager  
Dr. Maryam Bral, chief engineer  
Brian Collins, chief operations officer  
John Carman, operations and maintenance supervisor  
Dan Detmer, water resources manager  
Michel Kadah, engineer  
Tessa Lenz, environmental scientist-regulatory affairs specialist  
Jackie Lozano, administrative assistant  
Craig Morgan, engineering manager  
Josh Perez, chief human resources officer  
Zachary Plummer, technology systems manager  
Linda Purpus, environmental services manager  
Ed Reese, technology systems specialist  
Daryl Smith, controller  
Vanessa Vasquez, administrative assistant

**PUBLIC IN ATTENDANCE**

One member of the public was present; the attendance sheet was not signed.

**Call to Order- Open Session**

Chair Lynn Maulhardt called the committee meeting to order at 9:00 a.m. The clerk of the Committee called roll. All Committee members were present (Maulhardt, Kimball, Naumann)

**1. Public Comments**

**Information Item**

Chair Maulhardt asked for public comment. There were none offered. He proceeded in wishing everyone a Happy New Year.

**2. Approval of Minutes**

**Motion**

Motion to approve the minutes of December 1, 2022, Engineering and Operations Committee meeting, Director Naumann; Second, Director Kimball. Voice vote: three ayes (Maulhardt, Kimball, Naumann), none opposed. Motion carries 3/0.

**3. January 11, 2023, Board Meeting Agenda Motion Items**

The Committee reviewed and discussed the following motion items for the January 11, 2023, UWCD Board of Directors meeting to formulate Committee recommendations:

**3.1 Resolution 2023-02 Approving Adoption the California Environmental Quality Act Notice of Exemption and the Approval of the Categorical and Statutory Exemption for the Proposed Multi-Year State Water Project Transfer from Casitas Municipal Water District to United Water Conservation District**

Environmental Scientist-Regulatory Affairs Specialist Tessa Lenz presented the motion to the Committee (presentation attached). The terms of the draft agreement were approved by the UWCD Board of Directors at their September 14, 2022, regular meeting. The motion associated with the execution of the SWP agreement will be presented at the UWCD Finance and Audit Committee meeting on January 9, 2023, by Chief Operations Officer Brian Collins.

No questions or comments were offered by the directors. No public comments or questions were offered. The Committee members were in favor of recommending approval of the motion to the full Board.

**3.2 Recommend the Authorization of a Supplemental Appropriation of Funds for the Iron and Manganese Treatment Project (8007)**

Dr. Maryam Bral presented the motion to the Committee (presentation attached). This motion would authorize the Board to issue a supplemental appropriation of \$1.5 million dollars with 6.2% contingency in the amount of \$338,530. Funding would be appropriated through a bond refinance and the rest from the OH Pipeline Fund.

Director Dan Naumann suggested to Dr. Bral that the full details of the grant package of \$4.3 million dollars from the U.S. Department of Defense be included in the presentation when presenting to the full Board. Chair Maulhardt recommended to Ms. Lenz and Dr. Bral that their presentations be shortened since the Board members were familiar with these two motions (3.1 and 3.2).

No further questions or comments were offered by the directors. No public comments or questions were offered. The Committee members were in favor of recommending approval of the motion to the full Board.

**4. Project Highlights (see attached slides)**

**4.1 Engineering Department Update**

Dr. Bral presented an overview of the Engineering Department's activities which included Santa Felicia Dam (SFD) safety year-end reporting, pavement maintenance at Lake Piru Recreation Area, Iron and Manganese Treatment Facility progress, as well as Phase 1 updates of the Extraction Barrier and Brackish Water Treatment Project updates.

On the title slide of Dr. Bral's presentation, Chair Maulhardt pointed out that he had never seen that photo of the SFD spillway and was impressed by the spillway's size and scale. He encouraged the staff's use of the photo when an opportunity presents itself to discuss this topic. The photo was taken by former Park Ranger III Peter Whitman. There was further discussion between Committee members and staff on the history of the spillway going back to the 1950's. Overall, the photo left a great impression on the Directors.

Chair Maulhardt mentioned he had viewed an online video report on the number of worldwide dam failures which had occurred over the past 25 years. The video opened his eyes to the seriousness of dam safety. He thanked staff for being proactive in their efforts and Dr. Bral for being the one to report on dam safety. Chair Maulhardt recommended that she brief the Board and stated the Committee lends their full support to ensure a dam report is getting the full attention it deserves from the Board. She appreciated the opportunity to bring safety awareness to the Board's attention.

The discussion continued with an inquiry from Chair Maulhardt on the development of a written policy to encourage and protect employees when reporting on suspected dam safety issues. Dr. Bral stated that the staff is in the process of developing such a policy as a result of the external audit of the ODSPT. Chair Maulhardt asked Dr. Bral to ensure that the Board was notified of this and stressed that this should be included on the Board's agenda for directors to review.

Additionally, Director Nauman suggested any new agencies, seven of which were mentioned, to include them in the notification chart in the Emergency Action Plan. These agencies should also be provided to the Board in the form of a list. His recommendation on a draft policy is that it be reviewed by the District's department managers.

The Committee commented on Dr. Bral's presentation as a job well done. No further questions or comments from the Committee were offered. No public comments or questions were offered.

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

Ms. Lenz presented department updates on the preparation for Freeman Fish Ladder Operations, End of Year Reporting, and highlights from the Extraction Barrier and Brackish Water Treatment Project-Phase I kick-off meeting.

No questions or further comments from the Committee were offered. No public comments or questions were offered.

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

Chief Operations Officer Brian Collins presented an overview of the Operations and Maintenance Department activities which included the Santa Felicia Dam Water Treatment Plant Emergency Generator, Freeman Diversion Canal Joints/Season's First Water Harvest, OH Delivery on OH Well 14 Check Valve at El Rio Recharge Basins, and the PTP Reservoir Motor repairs.

Depicted on slide two of the presentation was a photo of the installation of a new generator at Lake Piru. The Committee and staff discussed the location, the security fencing, and their concerns concerning the potential for vandalism to the unit. A suggestion from Chair Maulhardt was to place slats in the chain link fence surrounding the generator or placing the fence a foot back which may prevent spray paint from reaching it. Mr. Collins answered, the chain link fence slats might obstruct the view of someone taking fuel. Director Naumann suggested having more visibility with cameras. The group concluded that sensor lights, the use of a horn, and robust signage could deter people from vandalizing.

Mr. Collins continued with his presentation. Chair Maulhardt asked if re-caulking was done. Mr. Collins stated 500 feet of caulking would be under review for next year. Director Nauman requested Mr. Collins to include casual updates of the water diversion in his department update.

Regarding repairs to the PTP and the limited availability of materials, Director Naumann proposed to staff building up a reserve by initiating an in-house inventory of parts and supplies to keep everything in operation including the PTP system and elsewhere. Chair Maulhardt felt the supply chain problem would not go away any time soon and welcomed staff to prepare a robust spare proposal for consideration and approval. Director Kimball was also in agreement and recommended the spending to be of quality not quantity.

There were no further questions or comments from the Committee. No public comments or questions were offered.

## **5. Future Agenda Items**

Chair Maulhardt polled the Committee members of any agenda items they would like to see at a future Committee meeting. Below are their responses as well as requests.

- Status of the policy for employees who report on dam safety concerns
- Stocking of equipment materials and spares; inventory proposal
- Director Kimball asked Director Maulhardt to share the online video link of the dam failures report with the Committee members and staff
- Director Naumann restated he would like to hear back from Mr. Collin's on the diverting of water at the Freeman Diversion and on the nitrate issues. He continued by offering feedback on Mr. Collin's Nitrate as Nitrogen graph (slide five of O&M Department Update). He suggested not having so many lines on the chart so data could be easily distinguishable.
- Chair Maulhardt and Director Naumann proposed future committee meetings be held in the Santa Clara Room. Director Naumann also agreed and stated that if a large public outreach is anticipated the Board Room could then be utilized. The Directors concluded that with a new year there are also new Board members, and this more intimate setting could help bring them up to speed. This would also give them the opportunity to participate at the level they wish to participate in.

Engineering and Operations Committee Meeting MINUTES

January 5, 2023

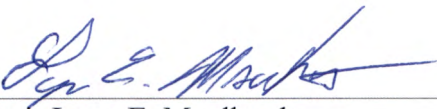
Page 5

**ADJOURNMENT 10:03 a.m.**

Chair Maulhardt adjourned the meeting at 10:03 a.m.

I certify that the above is a true and correct copy of the minutes of the Engineering and Operations Committee Meeting held on January 5, 2023.


ATTEST:

  
\_\_\_\_\_  
Chair Lynn E. Maulhardt

## Motion 3.1

### **Resolution 2023-02; Adoption of CEQA Notice of Exemption (NOE) for the proposed multi-year State Water Project transfer from CMWD to UWCD**

- Terms of the draft agreement were approved by the Board at the September 2022 meeting
- The motion associated with execution of the SWP agreement will be presented to the finance committee



1


1

## Motion 3.2

### **Supplemental Appropriation for the Iron and Manganese Treatment Project**

	<u>Original Budgeted Amount</u>	<u>Original Contract Amount</u>	<u>Additions</u>	<u>Cost Impact</u>
Construction Contract (GSE)	\$9,786,700	\$9,342,900	Change orders (various): <ul style="list-style-type: none"><li>• \$662,910.19 (BAA)</li><li>• \$466,556.07 (other)</li></ul>	\$685,666
Construction Management and Inspection Services (HDR)	\$444,850	\$701,956	No amendments requested	\$257,106
Design Services During Construction (K/J)	\$518,790	\$537,488	Amendment requested up to \$200,000 (under negotiation)	\$218,698

☐ Need: \$1,161,470  
☐ 6.2% Contingency: \$338,530  
☐ **Supplemental Appropriation Total: \$1,500,000**



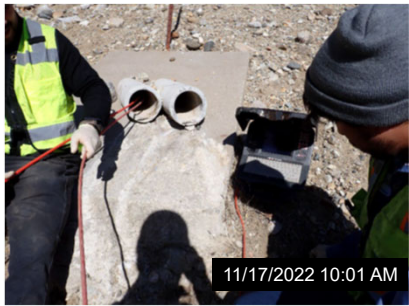
1

2



# ENGINEERING DEPARTMENT MONTHLY UPDATE

January 5, 2023



## Santa Felicia Dam Safety Year End Reporting December 2022

1. Dam Safety and Surveillance Monitoring Report
2. SFD Spillway Drain Inspection Report
3. Owner Dam Safety Program External Audit Report
4. EAP After Action Report
5. EAP Status Report
6. Call-Down Drill Report
7. Interim Risk Reductions Measures Report





## Santa Felicia Dam

### Safety Year End Reporting

December 2022 (continued)

---

8. Annual Security Compliance Certification for Santa Felicia Hydroelectric Project

9. Vulnerability Security Risk Assessment Report

10.SFD Security Plan Update



3

5

### Lake Piru Recreation Area

### 2022 Pavement Maintenance Program



- Repairs of access roads to and around Olive Grove Campground
- Repairs of areas between Park Rangers Office and Marina Parking Lot
- Over 53,000 square feet of pavement repairs between December 5 to 21
- Finishes and final touch-ups by January 4, 2023

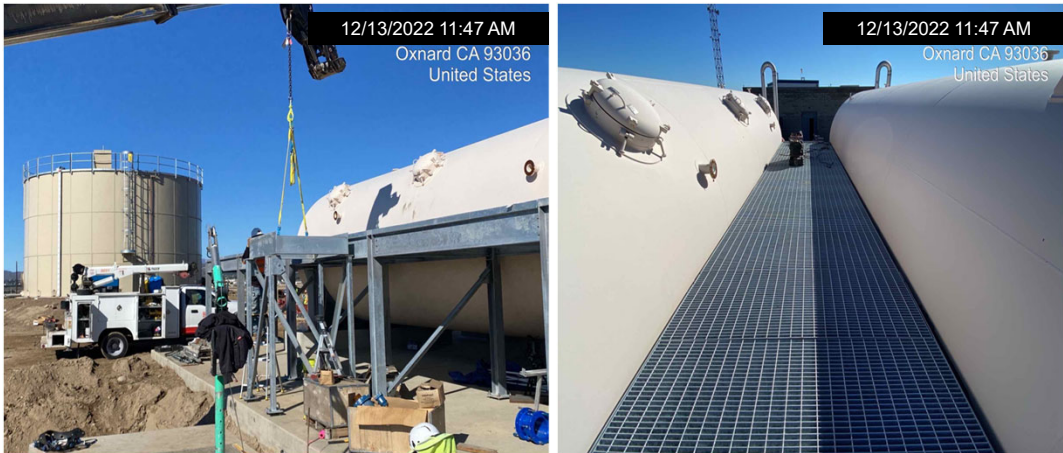


4

6



## Iron and Manganese Treatment Facility



Installation of grated platforms at filter vessels



5

7

## Iron and Manganese Treatment Facility



Preparing filter vessels for pressure washing  
and face piping for pressure testing



6

8

## Iron and Manganese Treatment Facility



12/20/2022 1:18 PM  
Oxnard CA 93036  
United States



12/20/2022 11:24 AM  
Oxnard CA 93036  
United States

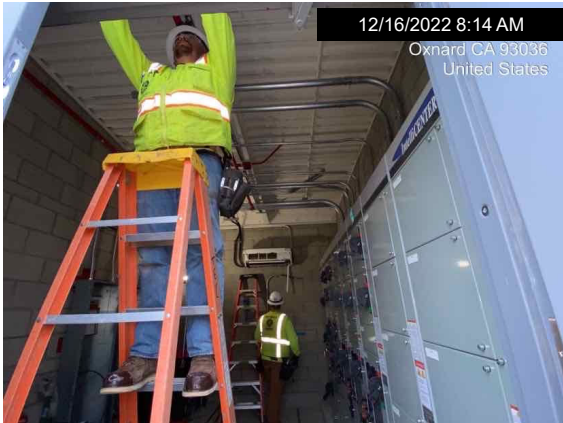
Near completion of piping at Washwater Recovery Tank and Filter Vessels



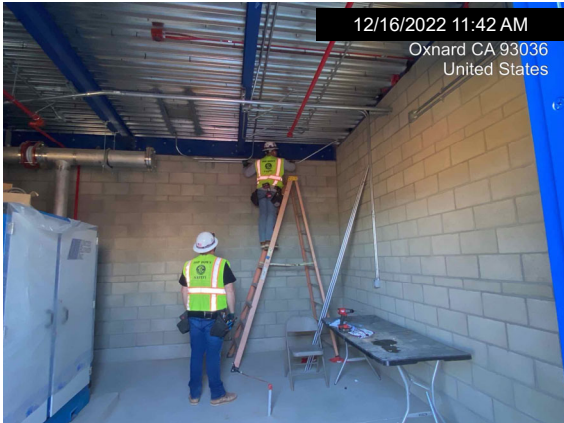
7

9

## Iron and Manganese Treatment Facility



12/16/2022 8:14 AM  
Oxnard CA 93036  
United States



12/16/2022 11:42 AM  
Oxnard CA 93036  
United States

Taft installing overhead electrical conduits in electrical and blower rooms



8

10

## Extraction Barrier and Brackish Water Treatment Project Phase 1


United Water Conservation District

18 November 2022


Design Services Related to Phase 1 of the Extraction Barrier and Brackish (EBB) Water Treatment Project

ENR

Proposal to Prepare CEQA Documentation, Processing, and Regulatory Permitting for the Extraction Barrier and Brackish Water Treatment Project Demonstration Phase




- Kennedy Jenks (KJ) Professional Services Agreement executed December 19, 2022
- ESA Professional Services Agreement executed on December 20, 2022
- Joint kickoff meeting on December 15, 2022
- December 20 and 28 progress meetings with KJ
- Joint site visit scheduled for January 12, 2023



9

11

QUESTIONS



10

12

6





# ENVIRONMENTAL SERVICES DEPARTMENT MONTHLY UPDATE

January 5, 2023



## Department Summary Updates

- December Freeman Fish Ladder Operations
- End of Year Reporting
- Extraction Barrier and Brackish Water Treatment Project – Phase 1 Kick-off Meeting





Stranding Surveys in the Santa Clara River– 12/13/2022



ES Staff seining the fish bays – 12/15/2022



River discharge measurement training– 12/14/2022

QUESTIONS



OPERATIONS AND MAINTENANCE  
DEPARTMENT MONTHLY UPDATE

January 5, 2023





## Santa Felicia Dam

Water Treatment Plant Emergency Generator





2

17

## Freeman Diversion

Canal Joints / Season's First Water Harvest





3

18



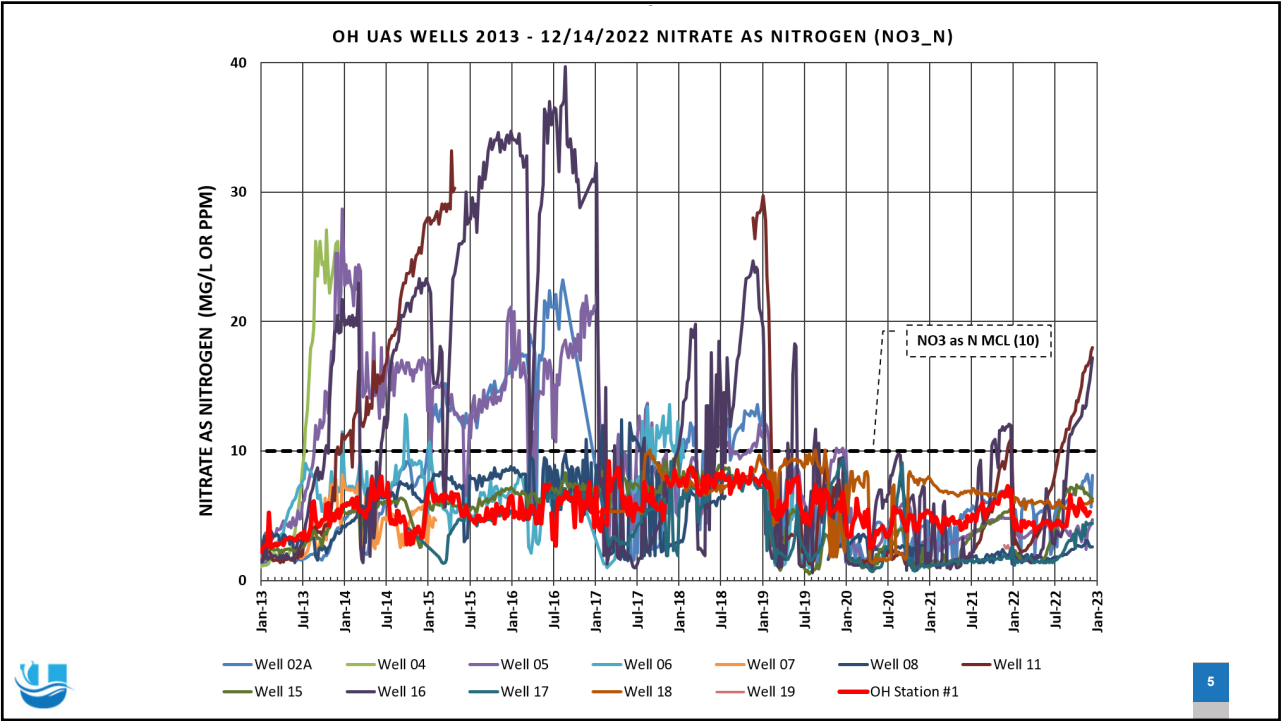
# OH Delivery

## OH Well 14 Check Valve – El Rio Recharge Basins









4



# PTP

## PTP Reservoir Motor





21

# Questions?



22