



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

General Manager  
Mauricio E. Guardado, Jr.

Legal Counsel  
David D. Boyer

**MINUTES**  
**ENGINEERING AND OPERATIONS**  
**COMMITTEE MEETING**  
**Thursday, November 3, 2022, at 9:00 a.m.**  
**Board Room, UWCD Headquarters**  
**1701 N. Lombard Street, Oxnard, CA 93030**

**COMMITTEE MEMBERS IN ATTENDANCE**

Lynn E. Maulhardt, chair  
Bruce E. Dandy, director (substituting for Director Naumann)  
Gordon Kimball, director

**COMMITTEE MEMBERS ABSENT**

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 program supervisor  
Dan Detmer, water resources manager  
Michel Kadah, engineer  
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  
Robert Richardson, senior engineer  
Brian Zahn, chief financial officer

**PUBLIC IN ATTENDANCE**

One member of the public was in attendance but chose not to sign the attendance sheet.

**Call to Order – Open Session**

Chair Maulhardt called the Committee meeting to order at 9:00 a.m. The clerk of the Committee called roll. Two Committee members were present (Maulhardt, Kimball) and one was absent (Naumann).

**1. Public Comments**

**Information Item**

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

**2. Approval of Minutes**

**Motion**

Motion to approve the Minutes of October 6, 2022, Engineering and Operations Committee meeting, Director Kimball; Second, Chair Maulhardt. Voice vote: two ayes (Maulhardt, Kimball), none opposed, one absent (Naumann). Motion carried 2/0/1.

**3. November 9, 2022, Board Meeting Agenda Motion Items**

The Committee reviewed and discussed the following motion items for the November 9, 2022, UWCD Board of Directors meeting to formulate Committee recommendations:

**3.1 Contract Amendment to the Engineering Support Contract with Stantec Consulting Services, Inc. for the Vertical Slot Fish Passage Alternative**

Engineering Manager Craig Morgan presented the motion to the Committee (presentation attached). This motion to the Board would approve a contract amendment of \$150,000. Chair Maulhardt commented on the change. Mr. Morgan explained there was a lot of change to the design from what was forecasted in May for the modeling. It took numerous runs and unforeseen work from the original contract.

There were no questions or further comments from 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 (October 2022)**

**4.1 Engineering Department Update** (see attached slides)

Dr. Maryam Bral presented an overview of the Engineering Department's activities which included highlights from the Board of Consultants meeting, the Santa Felicia Dam Tabletop Exercise, and the department's participation at the 2022 One Water Salinity Management Innovation Summit. Also provided were updates on the Condor Point improvement project, work performed on the PTP metering system and construction activities at the Iron and Manganese Treatment Facility.

During discussion, Chair Maulhardt asked Dr. Bral to point out who the actual Board of Consultants were in the picture on the slide which she did. Chair Maulhardt also requested, when presenting this item to the Board, it would be important to point out who the consultants and the supporting people are. He went on to comment favorably on the staff's design of building out of headquarters office structures and configurations, truly making the Boardroom a multifunctional room.

Director Dandy joined the meeting at 9:19 a.m. Chair Maulhardt further commented, he was pleased staff was invited to the summit and felt it spoke well of the District.

When discussing with Dr. Bral which slides to bring forward to the Board, he recommended there would be no need to go over the construction at the lake but to go over the pipeline connection at the Iron and Manganese Treatment Facility. He stated she could touch on each slide if she wanted except for Condor Point and to shorten – summarize quickly.

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

#### 4.2

##### **Environmental Services Department Update** (see attached slides)

Environmental Services Manager Linda Purpus presented department updates which included a status update on their role in the Freeman Sediment Management project and the partnership with USGS and UCLA on the pulsed flow study. There was discussion among the Committee and staff regarding the study. Director Dandy asked about United's physical role, to which Ms. Purpus responded United would take the principal author position. She added that the work her team is doing on this issue supports the District in building collaborative partnerships as well as developing the best available science. Chair Maulhardt agreed and mentioned that this speaks highly of the staff and level of science from which it's coming from. Director Kimball added that the investment in staff on the finished document only strengthens our knowledge. Ms. Purpus agreed. Chair Maulhardt recommended for her presentation to the Board to go into what exactly was discussed emphasizing on the pulsed flow study portion that this is the level of science staff is providing through the various departments and that it is consistent with the District mission and what the Board is directing staff to do.

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

#### 4.3

##### **Operations and Maintenance Department Update** (see attached slides)

Chief Operations Manager Brian Collins presented an overview of the Operations and Maintenance Department activities. Included in the overview presentation were images depicting work being performed at the Freeman Diversion, as well as on both the OH and PTP pipelines. Chair Maulhardt and Mr. Collins discussed briefly the PTP failure of well no. 3. Mr. Collins mentioned staff leveraged well no. 12 to convey water to the central pipeline to supplement the water loss. The failure occurred around two weeks ago, and staff were expected to have the well repaired and back online by the end of next week. The repairs were estimated to be about \$200,000. When discussing what to bring to the Board for presentation, Chair Maulhardt recommended all, particularly the well issue.

Information item. There were no additional comments or questions from the Committee. No public comments were offered.

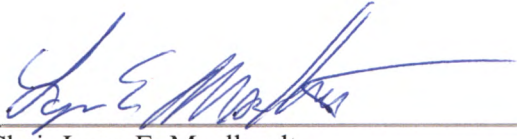
**5. Future Agenda Topics**

None were offered. Chair Maulhardt mentioned he's looking forward to seeing everyone on Monday.

**ADJOURNMENT 9:44 a.m.**

Chair Maulhardt adjourned the meeting at 9:44 a.m.

I certify that the above is a true and correct copy of the minutes of the Engineering and Operations Committee Meeting of November 3, 2022.

ATTEST:   
Chair Lynn E. Maulhardt

Motion Item 3.1

Contract Amendment with Stantec for Vertical Slot Fish Passage Alternative

❑ Contract Amendment with Stantec for \$150,820

❖ Additional Engineering Design Updates to include:

○ continued support to address agency comments on the physical modeling for submittal, in accordance with the latest stipulated order;

○ continued support provided by principal-level staff throughout the remainder of the physical modeling;

○ 3D drawings development in support of the design; and

○ CFD modeling software refinement.



1

1



ENGINEERING DEPARTMENT  
MONTHLY UPDATE

November 3, 2022





2

1



### Santa Felicia Dam Safety Improvement Project


#### BOC Meeting No. 6


- BOC Meeting No. 6 held on September 28 and 29
- Review of 60% Design of the new Outlet Works and 30% Design of the Spillway Improvements
- BOC report finalized on October 11
- BOC report and BOC tracking form e-filed with FERC on October 14 and submitted hardcopy to DSOD





3


### Condor Point Improvements



 Installation commenced on October 14



 On schedule to complete shade structures by October 28







Construction Expected Completion Date - November 4, 2022

3

4

### Dam Safety and Regulatory Compliance SFD Tabletop Exercise

- Held on October 20 at District Headquarters
- 58 people attended (41 in person,17 virtual)
- Emergency Action Plan updated
- Gannett Fleming provided support with TTX



5

4

### Iron and Manganese Treatment Facility





GSE Construction removing 36" blind flange from existing Upper Aquifer System manifold on October 26

6

5



Iron and Manganese Treatment Facility




New 24" Filtered Water Connection to Existing 42" Upper Aquifer System Pipeline

New 14" RAW Bypass connection to Existing 42" Upper Aquifer System Pipeline

7

6

PTP Metering System Improvement

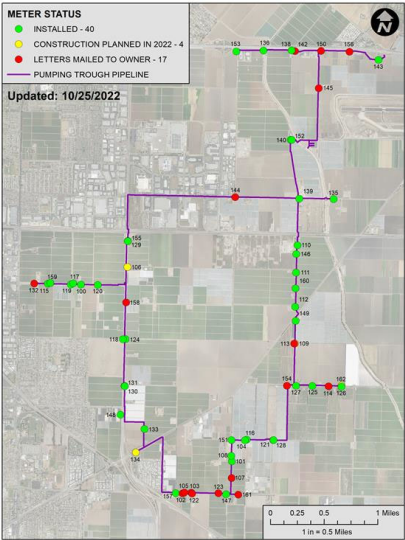


- Meters installed to date: 65% completion (40 of 61)
- A new meter installed at TO # 134 on September 29
- Future installation of five meters by the end of 2022
- Progress meeting with HJA on October 13 to discuss easement acquisition progress

METER STATUS

- INSTALLED - 40
- CONSTRUCTION PLANNED IN 2022 - 4
- LETTERS MAILED TO OWNER - 17
- PUMPING TROUGH PIPELINE

Updated: 10/25/2022



8

4



## Public Outreach

### 2022 Water Sustainability Summit



Santa Felicia Dam Safety Improvement Project  
Extraction Barrier and Brackish Water Project



Laguna Rd Recycled Water Interconnection



Iron and Manganese Treatment Plant Project



Overview of Benefits and Costs




Dr. Bral attended the SCSC 2022 One Water Salinity Management Innovation Summit at MWD on October 26



SCSC  
Southern California Salinity Coalition

7

QUESTIONS



8



# ENVIRONMENTAL SERVICES DEPARTMENT MONTHLY UPDATE

November 3, 2022



## Department Summary Updates

- Permitting
  - Status update on Freeman Sediment Management project
- CESA
  - F&G Commission approved CDFW's request for six-month extension to complete status review
- Pulsed Flow Study
  - Partnership with USGS and UCLA to publish findings in peer reviewed journal





QUESTIONS



3



OPERATIONS AND MAINTENANCE  
DEPARTMENT MONTHLY UPDATE

November 3, 2022





## Freeman Diversion

Canal Expansion Joint Seal – Trash Rack Bearing – TID Meter





2

15

## OH Delivery

OH 42" Pipeline Bore – UAS Shutdown – OH Well 16 Motor








3



16



# PTP

## PTP Well #3 – Peak System Demand – Well 12





17

# Questions?



18