

**MINUTES
ENGINEERING AND OPERATIONS COMMITTEE MEETING**

**Thursday, May 2, 2024, at 9:30 a.m.
UWCD Headquarters, First Floor, Board Room
1701 N. Lombard Street, Oxnard, CA 93030**

OPEN SESSION

The meeting was called to order at 9:35 a.m.

Committee Members Roll Call

Two Committee members were present (Keeling, Maulhardt). One seat is currently vacant.

1. Public Comment

General Manager Mauricio Guardado commented he had attended a Regional Defense Partnership (RDP) meeting that morning and reported that there was an overwhelming amount of support for United Water's Extraction Barrier and Brackish (EBB) Water Treatment Project. RDP went to Washington to meet with the head of Navy Installation where the Department of Defense (DOD) was promoting the EBB Project. All agencies were familiar with the project, an accomplishment he wanted to share publicly with staff and the Committee.

**2. Approval of Minutes
Motion**

Action: M/S/C (Keeling, Maulhardt) to approve the March 7, 2024, minutes.

Vote: Ayes: Keeling and Maulhardt; Noes: None; Absent: None

3. March 13, 2024, UWCD Board of Directors Meeting Agenda Items

3.1 Resolution Determining that the Santa Felicia Dam 72-inch Butterfly Valve Redundancy and Seismic Resiliency Project ("Project") is Exempt from the Provisions of the California Environmental Quality Act and Approving the Project (Dr. Maryam Bral)

Recommend approval of the motion to the Board the adoption of Resolution determining that the Santa Felicia Dam 72-inch Butterfly Valve Redundancy Project (Project) is exempt from the provisions of the California Environmental Quality Act (CEQA) and approving the Project and directing staff to file a Notice of Exemption in accordance with CEQA.

Action: M/S/C (Keeling, Maulhardt) to approve staff's recommendation.

Vote: Ayes: Keeling and Maulhardt; Noes: None; Absent: None



3.2 Amendment to Agreement with Northwest Hydraulic Consultants for Professional Consulting Services in Connection with the Freeman Conveyance System Upgrade - Freeman to Ferro Recharge Basin Project (CIP 8018)

(Dr. Maryam Bral)

Recommend approval of the motion item to the Board authorizing the General Manager to sign an Amendment to the current agreement with Northwest Hydraulic Consultants for consulting services in connection with the Freeman Conveyance System Upgrade - Freeman to Ferro Recharge Basin Project.

Action: M/S/C (Keeling, Maulhardt) to approve staff's recommendation.

Vote: Ayes: Keeling and Maulhardt; Noes: None; Absent: None

3.3 Supplemental Appropriation of funds for the Iron and Manganese Treatment Project (CIP 8007)

Review and consider recommending to the full Board of Directors that it authorizes a supplemental appropriation of \$344,126 for the Iron and Manganese Treatment Project (C.I.P. 8007) at its regular May 15, 2024, meeting.

Committee members and staff discussed the supplemental appropriation of funds and how the District is held financially responsible for projects despite being awarded grants. Engineering staff explained the grants that are awarded do not equate to available funding. Project costs are paid upfront by the District and reimbursed later by the funding agency, and the duration of those reimbursements can vary from months to years. Director Keeling added that public perception is that we have been awarded money which is readily available. Chair Maulhardt asked for the graph depicted on slide number 7, "*Iron and Manganese Treatment Project Expenditures*" be presented to the Board along with an additional slide explaining the disconnect between awarded grants and receiving funding.

Action: M/S/C (Keeling, Maulhardt) to approve staff's recommendation.

Vote: Ayes: Keeling and Maulhardt; Noes: None; Absent: None

3.4 Construction Management and Inspection Services Contract for Phase 1 of the PTP Recycled Water Connection - Laguna Road Pipeline Project (CIP 8043)

Recommend approval of the motion item to the Board authorizing the General Manager to award a construction management and inspection services contract to the most qualified proposer, as recommended by staff, in support of Phase 1 of the PTP Recycled Water Connection - Laguna Road Pipeline Project (CIP 8043).

Chair Maulhardt requested information regarding grant funding be added to the motion item slide. Mr. Guardado stated that a formal motion was not required as there is no specification of consultant or fees.

4. Monthly Department Updates
Information Items

4.1 Engineering Department Update



Information Item

Received and reviewed the Engineering Department monthly update (presentation attached).

4.3 Environmental Services Department Update

Information Item

Received the Environmental Services Department monthly update and verbal highlights (presentation attached).

4.4 Operations and Maintenance Department Update

Information Item

Received the Operations and Maintenance Department monthly update well as a presentation of its highlights (presentation attached).

5. Future Agenda Items

Dr. Bral asked the Committee their preference in keeping the Engineering and Operations Committee start time at 9:30 a.m. Committee members agreed to keep the start time at 9:30 a.m. and to schedule the meeting for an hour and a half.

ADJOURNMENT

The meeting was adjourned at 11:13 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 May 2, 2024.

ATTEST:

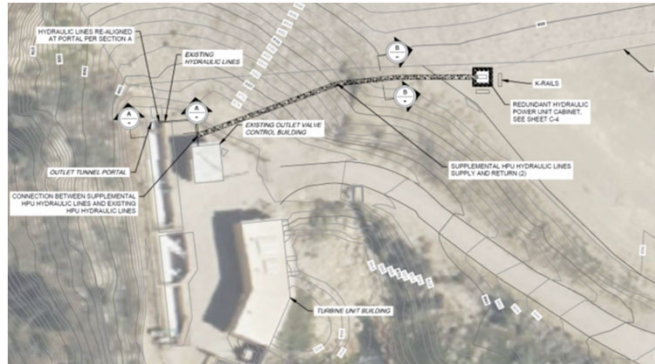
Chair Lynn E. Maulhardt

System Reliability
Regulatory & Environmental Compliance

Motion Item 3.1

Resolution for Adoption of CEQA Notice of Exemption (NOE) for the 72-inch Butterfly Valve Redundancy and Seismic Resiliency Project

- ❑ FERC requires Interim Risk Reduction Measures (IRR) prior to construction of the SFD SIP.
- ❑ A redundant system provides remote operation of 72-inch butterfly valve and realignment of hydraulic pipelines in case of an emergency when and if existing/primary system is inaccessible.
- ❑ Exempt under Section 15301 and Section 15303

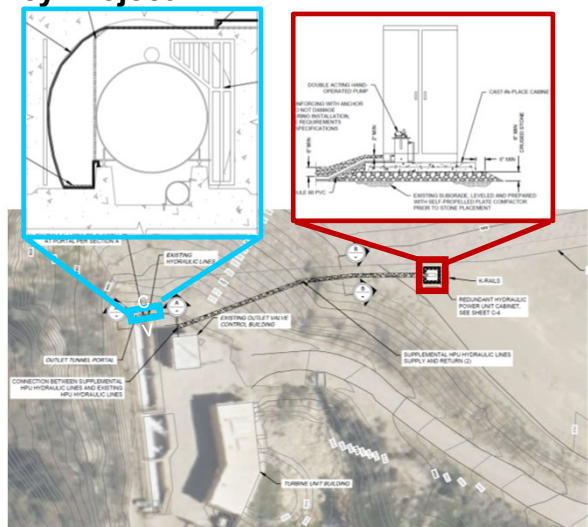
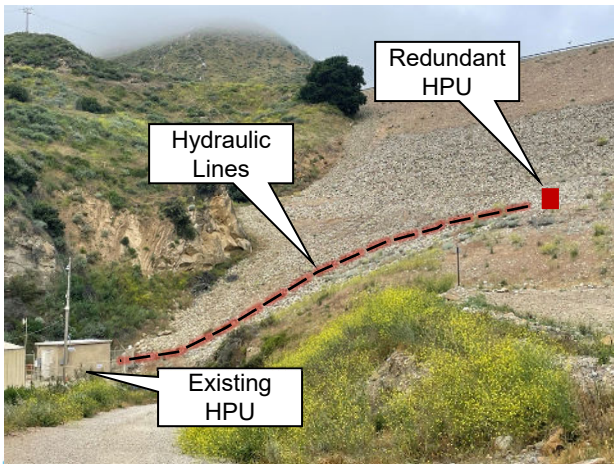


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System Reliability
Regulatory & Environmental Compliance

Motion Item 3.1

Resolution for Adoption of CEQA Notice of Exemption (NOE) for the 72-inch Butterfly Valve Redundancy and Seismic Resiliency Project



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Water Supply and System Reliability

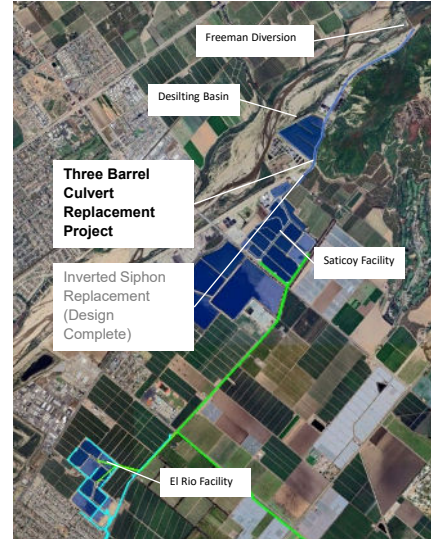
Motion Item 3.2

Amendment to Agreement with Northwest Hydraulic Consultants for Professional Consulting Services

- Three Barrel Culvert Replacement Project
 - Removes Hydraulic Restriction
 - Complies with Current Levee Safety Standards
 - Replaces Aging Structure
 - Supported by SGM Grant

- Scope Remaining
 - Final Construction Documents
 - 408 Permit US Army Corp of Engineers
 - Watershed Protection Encroachment Permit

- Contract Amendment
 - Original Contract Amount: \$248,689
 - Proposed Amendment: \$49,460



Water Supply and System Reliability

Motion Item 3.3

Authorize a Supplemental Appropriation of Funds for the Iron and Manganese Treatment Project (CIP 8007)

- ❑ **Scope Remaining**
 - 30-Day Contractor-Supported Operations started on April 10, 2024
 - Release of Retention Payment
 - Record Drawings and Documents
 - DDW Reporting
 - Grant Agreement Closeout

- ❑ **CIP Budget**
 - FY 2023-24 Allocation: \$14,221,954
 - Total Projected Exp.: \$14,565,080
 - **Suppl. Appropriation: \$343,126**



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Change Orders

Construction Contract Change Orders

Description	Cost	% of Original Contract
Original Contract	\$9,342,900	100.0%
Buy American Act Compliance	\$662,910	7.1%
Design/Construction Conflict	\$718,602	7.7%
District Work Directive	\$55,756	0.6%
Credits	\$(82,108)	-0.9%
Total	\$10,698,061	114.5%

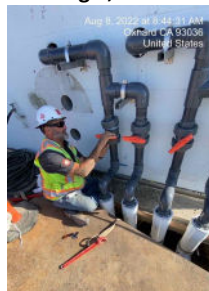


Jan 29, 2024



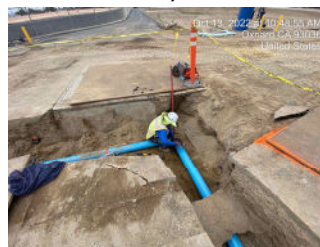
May 11, 2022

E&I Relocation



Aug 8, 2022

Disinfection Lines Upsize



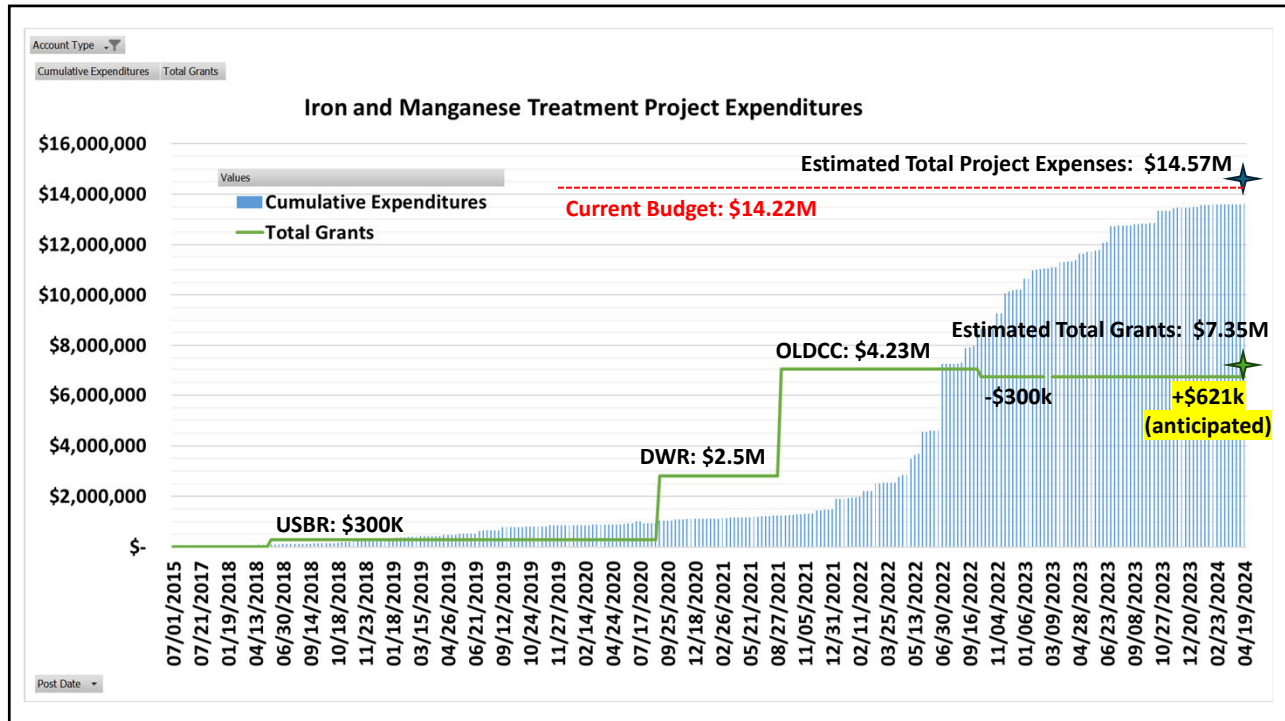
Oct 13, 2022

6" Water Line Relocation



Air Scour System Mods

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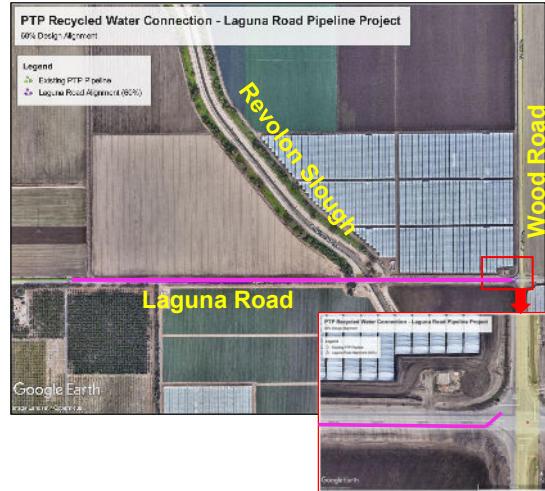
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Water Supply and System Reliability

Motion Item 3.4

Authorize the General Manager to Award a Construction Management and Inspection Services Contract related to the Phase 1 of the PTP Recycled Water Connection - Laguna Road Pipeline Project

- Design and construction of approximately 3,200 feet of 24-inch diameter pipeline along Laguna Road, connecting the PTP System to PVCWD system at the intersection of Wood Road and Laguna Road.
- RFP for Construction Management and Inspection Services was issued on April 4, 2024.
- Four qualified consultants were solicited to provide proposals by May 1, 2024.
- Recommended Firm to review and evaluate the final design (ready by May 21, 2024) for constructability and buildability.
- Project is supported by the DWR SGM grant of \$2.65M.





ENGINEERING DEPARTMENT Monthly Update May 2, 2024

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C. REGULATORY AND ENVIRONMENTAL
COMPLIANCE

Santa Felicia Dam Safety Improvement Project

Design PFMA Update

- Draft Report submitted by Consultant on April 9
 - Review by Staff, Designer and SMEs due in May
- Final Report due to FERC in June
 - Outlet Works total PFMs: 19
 - ✓ 1 Credible
 - Spillway total PFMs: 16
 - ✓ 10 Credible



A PFMA is an exercise to identify all potential failure modes under normal, flood, earthquake, and other loading conditions, including all external loading conditions for water retaining and conveying structures, and to assess those potential failure modes that are significant enough to warrant continued awareness and attention to visual observation, monitoring, and remediation, as appropriate.

- FERC Engineering Guidelines for the Evaluation of Hydropower Projects, Chapter 17



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 A. WATER SUPPLY

Freeman Conveyance System Upgrade

Three Barrel Culvert Repl.

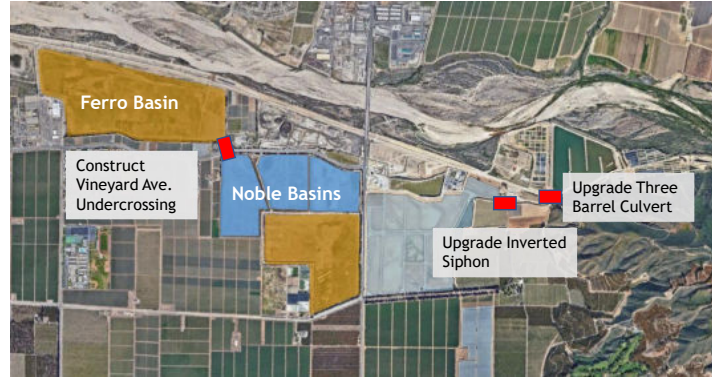
- 100% Design
- Permitting w/ USACE and Ventura County

Inverted Siphon Repl.

- Construction in July 2024
- Completion over 90 days

Vineyard Ave Undercrossing

- 60% Design
- Permitting with Caltrans ongoing



 A. WATER SUPPLY

PTP Recycled Water Connection - Laguna Road Pipeline Project Phase 1

- RFP for Construction Management and Inspection Services was issued on April 4
- Site visit by interested consultants on April 10
- 100% design due on May 21



A. WATER SUPPLY

EBB Water – Phase 1

- Land Surveying Services**
 - Utility locating substantially complete
 - Topo survey complete
- Geotechnical Services**
 - Dig permit approved
 - 1st Geotechnical borings were drilled at Point Mugu
- Monitoring Wells Construction**
 - County drilling permit is obtained
 - Drilling to begin in late May
- Grant Funding Programs**
 - 2024 DCIP application due on June 17. Staff is preparing application, including request for support letters



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**F. COMMUNICATIONS AND
COMMUNITY OUTREACH**

Public Outreach

Project Information

- **Embankment Dam**
 - 213 feet high
 - 1,275-foot-long crest
 - Crest El. 1075.0
- **Spillway**
 - 475-foot-long crest
 - Ogee weir El. 1055.0
 - 570-foot-long chute
 - Funnel shaped
 - 104.3-foot-wide at downstream end
- **Outlet Works**
 - 60-inch diameter
 - 72-inch butterfly valve
 - 2 – 36-inch fixed cone valves



April 20 - St. Francis Dam Tour



April 27 – CoLAB Annual Spring Fling



April 23-24 - USSD 2024 Annual Conference & Exhibition

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ENVIRONMENTAL SERVICES DEPARTMENT UPDATE

May 2, 2024



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Updates

FERC Notice of Intent to Prepare SFDSIP
Environmental Assessment (NEPA)

Pacific lamprey passage system
successfully used at Freeman Diversion

Southern California steelhead rainbow
trout listed as endangered under CESA

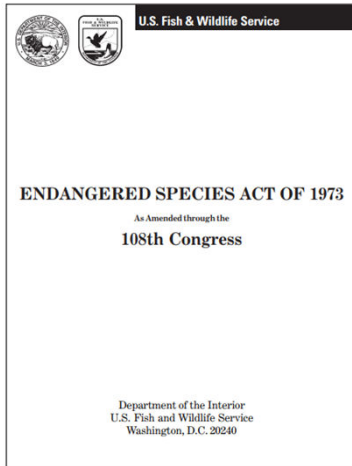
Freeman MSHCP submitted!



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Key Highlight – Freeman Diversion Multiple Species Habitat Conservation Plan



Habitat Conservation Plan Background

- Incidental take for non-federal actions
- Applicant driven process
- Conservation plan and impact offsets
- Assurances to the species and applicant
- Long-term outlook



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Freeman Diversion Multiple Species Habitat Conservation Plan Project Highlights

- Operational Work Group
- Hardened Ramp Operations Model
- Adult Steelhead Migration Model
- Mediation meeting
- USBR WaterSMART Grant Application Follow-up



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Freeman Diversion Multiple Species Habitat Conservation Plan Project Highlights

April 9th Submittals:

- Draft MSHCP
- Draft EIR
- CWA 404 Application
- CWA 401 Application
- LSAA Notification



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OPERATIONS AND
MAINTENANCE
DEPARTMENT
UPDATE



May 2, 2024

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Santa Felicia Dam



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Freeman Diversion



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Todd Barranca



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4

Ferro Basin



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5

Saticoy Well Field



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