

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

**CALL TO ORDER – OPEN SESSION 9:00 a.m.**

**Committee Members Roll Call**

**1. Public Comment**

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 1, 2022, Engineering and Operations Committee meeting.

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

The Committee will review and discuss the following agenda items to be considered for approval at the January 11, 2023, 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 Resolution 2023-02 Approving Adoption the California Environmental Quality Act (CEQA) 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 Services Department, Tessa Lenz) (Proposed Time: 5 minutes)

The Committee will consider recommending approval to the full Board of Resolution 2023-02, adopting the California Environmental Quality Act (CEQA) Notice of Exemption (NOE) for the Existing Facilities and Ongoing Project for the proposed multi-year State Water Project transfer from Casitas Municipal Water District to United Water Conservation District (Project), approving the Project, and directing staff to file the NOE in accordance with CEQA.

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

(Engineering Department, Dr. Maryam Bral) (Proposed Time: 10 minutes)

The Engineering and Operations Committee will consider recommending to the full Board of Directors that it authorize a supplemental appropriation of \$1.5 million for the Iron and Manganese Treatment Project (CIP 8007) at its regular January 5, 2023 meeting.



**4. Project Highlights** (Proposed Time: 15 minutes per update)

**4.1 Engineering Department Update** (Dr. Maryam Bral)

**4.2 Environmental Services Department Update** (Linda Purpus)

**4.3 Operations and Maintenance Department Update** (Brian Collins)

**5. Future Agenda Items**

The Committee will suggest topics or issues for discussion on future agendas.

**ADJOURNMENT**

**Directors:**

Chair Lynn E. Maulhardt  
Gordon Kimball  
Daniel C. Naumann

**Staff:**


Mauricio E. Guardado Jr.  
Anthony Emmert  
Linda Purpus  
Hanna Garcia-Wickstrum  
Evan Lashly  
Tessa Lenz  
Randall McInvale

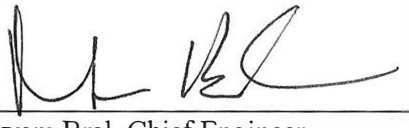
Dr. Maryam Bral  
Brian Collins  
John Carman  
Jackie Lozano  
Vanessa Vasquez

Craig Morgan  
Michel Kadah  
Adrian Quiroz  
Robert Richardson

*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 E. Guardado Jr., General Manager

  
Dr. Maryam Bral, Chief Engineer

  
Brian Collins, Chief Operations Officer

**Posted: (date)** December 30, 2022

**(time)** 5:50 p.m.

**(attest)** Jackie Lozano

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

**Posted: (date)** December 30, 2022

**(time)** 6:00 p.m.

**(attest)** Jackie Lozano

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

**MINUTES**  
**ENGINEERING AND OPERATIONS**  
**COMMITTEE MEETING**  
**Thursday, December 1, 2022, at 9:00 a.m.**  
**Santa Clara 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  
John Carman, operations and maintenance program supervisor  
Dan Detmer, water resources manager  
Tessa Lenz, associate environmental scientist  
Jackie Lozano, administrative assistant  
Craig Morgan, engineering manager  
Josh Perez, chief human resources officer  
Zachary Plummer, technology systems manager  
Linda Purpus, environmental services manager  
Robert Richardson, senior engineer  
Daryl Smith, controller  
Clayton Strahan, chief park ranger

**PUBLIC IN ATTENDANCE**

Two members of the public were present; the attendance sheet was not signed.

**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. All Committee members were present (Maulhardt, Kimball, and 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 November 3, 2022, Engineering and Operations Committee meeting, Director Kimball; Second, Chair Maulhardt. Voice vote: two ayes (Maulhardt, Kimball), none opposed, one abstained (Naumann) not present at last meeting. Motion carried 2/0/1.

**3. December 14, 2022, Board Meeting Agenda Motion Items**

The Committee reviewed and discussed the following motion items for the December 14, 2022, UWCD Board of Directors meeting to formulate Committee recommendations:

**3.1 Authorize a Contract with ESA to provide Consultant Services for CEQA and NEPA Documentation and Regulatory Permitting for the Phase 1 of the Extraction Barrier and Brackish Water Treatment Project**

Associate Environmental Scientist Tessa Lenz presented the motion to the Committee (presentation attached). This motion to the Board would authorize the General Manager to execute an agreement with Environmental Science Associates (ESA) in the amount of \$908,256 [\$825,687 + 10% contingency (\$82,569)] to provide consultant services for the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) Documentation, Processing, and Regulatory Permitting for the Phase 1 of the Extraction Barrier and Brackish Water Treatment Project (EBB Water).

Chair Maulhardt mentioned this request is consistent with District activities and was in favor of recommending approval to the Board. Chief Engineer Dr. Maryam Bral and Senior Engineer Robert Richardson were on hand to answer any questions.

With guidance from the Committee on what staff should bring forward to the Board of Directors meeting regarding the presentation, there would be no need to go into great detail, but that all the bases were covered with Ms. Lenz presentation.

No questions or further 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 Contract Award to Kennedy/Jenks Consultants, Inc. for Design Services Related to the Phase 1 of the Extraction Barrier and Brackish Water Treatment Project (CIP 8019)**

Dr. Bral presented the motion to the Committee (presentation attached). This motion to the Board would authorize the General Manager to execute a professional consulting services agreement with Kennedy/Jenks Consultants, Inc. in the amount of \$2,069,912 [\$1,881,738 plus 10% contingency (\$188,174)] to complete the design and bid documents for Phase 1 of the Extraction Barrier and Brackish (EBB) Water Treatment Project (CIP 8019).

There was discussion among the Committee members and Dr. Bral regarding the efficacy of Phase 1. Dr. Bral discussed an initial feasibility analysis and modeling has been conducted for the project. Additional modeling is being conducted to address State and Regional Water Board's initial concerns. She also mentioned that the model does not show a significant downward movement of contaminants from the semi-perched to the Oxnard aquifer. Additional water quality data will be collected to support the model results. Further discussed were the wells and phases

of the project. Chair Maulhardt expressed his high level of confidence in the extraction barrier concept then continued to discuss discharge activities. After further discussion with Dr. Bral, Chair Maulhardt requested that the key points of the extraction and phases of discharge be presented similarly to the Board. Director Naumann added, he'd like hear more detail on the Navy's support of the project and to cover the project two-phased approach. There were questions from the Committee and discussion with staff regarding monitoring well activities and the bidding process for the contract. Concluding, Director Naumann reiterated when Dr. Bral presents to the Board, to explain Phase 1 and Phase 2 separately.

No further comments or questions 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.

### **3.3 Authorize an Amendment to the University of Iowa Contract for the Physical Modeling of the Vertical Slot for the Freeman Expansion Project**

Engineering Manager Craig Morgan presented the motion to the Committee (presentation attached). The motion to the Board would approve an amendment to the University of Iowa contract for the operational and stress physical modeling of the Vertical Slot for the Freeman Expansion Project in the amount of \$387,165. The Board approval would modify the scope of work which would provide cost savings to the District.

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.

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

### **4.1 Engineering Department Update**

Dr. Maryam Bral presented an overview of the Engineering Department's activities which included highlights from the Santa Felicia Dam (SFD) Safety Improvement Project Coordination Workshop, SFD Safety Regulatory Compliance, improvements at Lake Piru Recreational Area, Iron and Manganese Treatment Facility progress, and public outreach.

Chair Maulhardt mentioned Dr. Bral's summary updates were very good. When bringing the presentation to the Board, he stated there would be no need to take a deep dive into the details. Dr. Bral responded she would like the Board of Directors to be aware of Dam Safety related activities and it was her obligation and requirement as the Chief Dam Safety Engineer to provide this information and keep track/record of the information she shares with the Committee. Chair Maulhardt added, Dr. Bral shares the information that the Board of Directors needs to know

in order to meet the regulatory requirements regarding dam safety awareness. It was suggested to add the context by starting off saying “all staff members” when discussing compliance-type issues. Chair Maulhardt went on to request, when staff is speaking to the members of the Committee or Board, to state “things we are talking about today are regulatory in nature and I am certifying that the Board needs to hear the following information.” This is a small change in protocol of what has been done in the past. He appreciated Dr. Bral’s feedback because it was important to hear/share. She thanked the Committee for their support.

Director Naumann requested at a previous meeting to see the date stamped on the pictures depicted on the slides. He expressed his appreciation to Dr. Bral for providing that information on the images but would like the white text changed for readability before bringing the presentation to the Board.

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**

Environmental Services Manager Linda Purpus presented department updates which included partnership building with the California Conservation Corps during the FERC Fish Passage Pre-implementation Study, permitting support for the Freeman Sediment Management Project, and The SWRCB approval of Dissolved Oxygen Monitoring Annual Report related to water releases from the SFD.

When presenting the key activities of the pre-implementation study to the Board, Director Naumann suggested to Ms. Purpus to start off with the objectives first then follow with the rest of the presentation. After Ms. Purpus highlighted the State Water Resources Control Board’s approval of the Dissolved Oxygen Monitoring Report, there was discussion among Committee and staff regarding water discharge and the design considerations to increasing and maintaining dissolved oxygen in the releases from the new outlet works.

Director Naumann excused himself from the meeting at 10:02 a.m.

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**

Program Supervisor John Carman presented an overview of the Operations and Maintenance Department activities. Included in the overview presentation were images depicting work being performed at the Santa Felicia Dam, and Freeman Diversion, as well as an update on the desilting of the Desilting Basin in Saticoy, and enhancements/repairs to the OH Well No. 12 and PTP Well No. 3.

A question raised by Chair Maulhardt regarding beneficial use of the dirt removed as a result of the desilting project. He stated that there needed to be a solution of where the dirt can be stored for beneficial use, and it may have some value to other businesses who may need it. It was mentioned by staff that the District had consulted on this process in the past.

Director Kimball commented that he was pleased with the new outlet works project. Dr. Bral asked the Committee members what they would like staff to present to the Board. Committee members confirmed all slides are good and to please include the back stories concerning requirements.

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

**5. Future Agenda Topics**

None were offered.

**ADJOURNMENT 10:17 a.m.**

Chair Maulhardt adjourned the meeting at 10:17 a.m.

I certify that the above is a true and correct copy of the minutes of the Engineering and Operations Committee Meeting of December 1, 2022.

ATTEST: \_\_\_\_\_  
Chair Lynn E. Maulhardt

Motion Item  
3.1

CEQA and NEPA Documentation and Regulatory Permitting Services  
Contract Award to Environmental Science Associates for  
Phase 1 of the Extraction Barrier and Brackish Water Treatment Project


☐ RFQ/P released on August 8, 2022


☐ Received five proposals on September 15, 2022

☐ Three firms were interviewed

☐ Environmental Science Associates (ESA) was selected by the interview panel

☐ Contract amount: \$908,256 (includes 10% contingency)





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Motion Item  
3.2  
Design Services Contract Award to Kennedy Jenks  
for Phase 1 of the Extraction Barrier and Brackish  
Water Treatment Project


RFQ/P released on August 12

Received one proposal on September 22

Interview panel met with Kennedy Jenks (KJ)  
consultants on November 8 and selected KJ for  
design services

Staff discussed PM and SOW with KJ on November 9

Staff recommends approval of a contract with KJ for  
\$2,069,912 (includes 10% contingency)



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Phase 1 Extraction Barrier and Brackish (EBB) Water Treatment Project




Figure 2 - Project Location Map

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1


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Motion Item  
3.3

Amendment to the University of Iowa Contract for the Physical Modeling  
of the Vertical Slot for the Freeman Expansion Project

☐

Staff recommends approval of a contract amendment with the  
University of Iowa for \$387,165





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# ENGINEERING DEPARTMENT MONTHLY UPDATE

December 1, 2022



## Santa Felicia Dam Safety Improvement Project



### Interagency Emergency Action Plan and Santa Felicia Dam Safety Improvement Project Coordination Workshop on Nov. 15

- DWR and United reviewed Santa Felicia Dam, Pyramid, and Castaic Emergency Action Plans.
- SFD Safety Improvement Project and proposed construction schedule, pre-construction risk reduction measures and hydrological risk assessment during construction, were discussed.
- Staff from several DWR divisions, LADWP, GEI, Catalyst, and United were in attendance.
- Next coordination meeting is tentatively scheduled for early 2023.



## Santa Felicia Dam Safety Regulatory Compliance

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**Quinquennial SFD EAP Functional Exercise Feb. 23, 2023**

- Staff e-filed the District Plan and Schedule for the exercise with FERC on November 18. Gannett Fleming will facilitate the exercise and ensure compliance with FERC guidelines.

**Quinquennial ODSP External Audit**

- Staff is currently reviewing the draft report that was prepared and submitted for review on October 28. The final copy is due to FERC by December 31, 2022.

**Triennial Spillway Underdrain System Inspection**



- The video inspection was conducted by HDR Engineering on November 17 and 18 and the draft inspection report will be ready for staff review by December 7.


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## Condor Point Improvements

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## Iron and Manganese Treatment Facility



Nov 14, 2022 at 11:58:20 AM  
Oxnard CA 93036  
United States



Nov 14, 2022 at 2:32:13 PM  
Oxnard CA 93036  
United States

Filter vessel interior preparation prior to concrete pour



5

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## Iron and Manganese Treatment Facility



Nov 15, 2022 at 11:04:25 AM  
Oxnard CA 93036  
United States



Nov 15, 2022 at 2:02:20 PM  
Oxnard CA 93036  
United States

Underground piping and valving



6

6

# Iron and Manganese Treatment Facility



Installation of MCC in the Fe/Mn Building



7

## Public Outreach

- ❑ FERC-D2SI Security Branch Fall 2022 Webinar (Nov 2)
- ❑ Pyramid Dam Tour (Nov 15)
- ❑ CA Coastal Commission Cal Am Desalination Hearing (Nov 17)



The DWR Southern Field Division provided a tour of Pyramid Dam to Staff from Engineering, Environmental Services and Water Resources departments

8

QUESTIONS



9





# ENVIRONMENTAL SERVICES DEPARTMENT MONTHLY UPDATE

December 1, 2022



## Department Summary Updates


- FERC Fish Passage Pre-implementation Study
  - Fall Monitoring
    - o Partnership building opportunity
  - Rockslide on Piru Canyon Road






### Department Summary Updates (continued)

- Permitting
  - Freeman Sediment Management Project - Complete
- SWRCB Approval of Dissolved Oxygen Monitoring Report





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### QUESTIONS





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# OPERATIONS AND MAINTENANCE DEPARTMENT MONTHLY UPDATE

December 1, 2022



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## Santa Felicia Dam

Rain Event 1.86 inches – Treatment Plant Filter Media



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2



## Freeman Diversion

### Sediment Management Project





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## Desilt Clean Out Update

### Saticoy

Load Count as of 11/28: 1428  
38,556 cubic yards



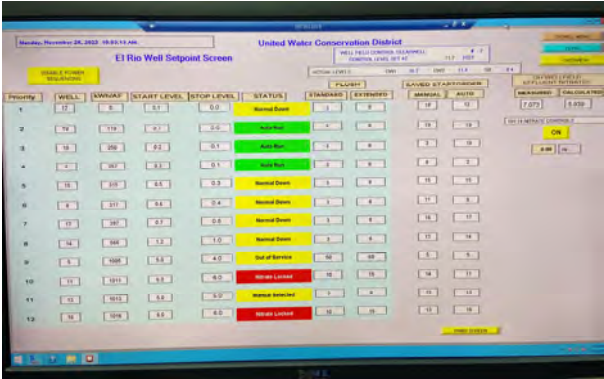



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# OH Delivery

## OH Well 12 VFD – Nitrate Blend Mode





Priority	WELL	MINIAP	START LEVEL	STOP LEVEL	STATUS	STANDARD	EXTENDED	SAVED START PROGRAM	SAVED STOP PROGRAM	MANUAL	AUTO
1	12	5	5.7	6.0	Normal Stand	5.7	6	5.7	6	ON	OFF
2	7a	719	9.7	9.9	Normal Stand	9.7	9.9	9.7	9.9	ON	OFF
3	7b	720	9.92	9.9	Normal Stand	9.92	9.9	9.92	9.9	ON	OFF
4	4	367	9.1	9.1	Normal Stand	9.1	9.1	9.1	9.1	ON	OFF
5	15	315	8.4	8.3	Normal Stand	8.4	8.3	8.4	8.3	ON	OFF
6	4	311	8.4	8.4	Normal Stand	8.4	8.4	8.4	8.4	ON	OFF
7	15	367	8.7	8.6	Normal Stand	8.7	8.6	8.7	8.6	ON	OFF
8	15	368	7.3	7.0	Normal Stand	7.3	7.0	7.3	7.0	ON	OFF
9	5	368	7.3	7.0	Out of Service	7.3	7.0	7.3	7.0	ON	OFF
10	15	312	9.4	9.0	Normal Stand	9.4	9.0	9.4	9.0	ON	OFF
11	15	365	9.2	9.0	Normal Stand	9.2	9.0	9.2	9.0	ON	OFF
12	15	319	9.4	9.0	Normal Stand	9.4	9.0	9.4	9.0	ON	OFF




5

# PTP

## PTP Well #3





6

# Questions?





### **Staff Report**

**To:** Engineering and Operations Committee

**Through:** Mauricio E. Guardado, Jr., General Manager  
Maryam Bral, Chief Engineer  
Linda Purpus, Environmental Services Manager

**From:** Tessa Lenz, Associate Environmental Scientist

**Date:** December 27, 2022 (January 5, 2023, Committee Meeting)

**Agenda Item:** 3.1 **Resolution 2023-02** Approving Adoption of the California Environmental Quality Act (CEQA) 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  
**Board Motion**

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#### **Staff Recommendation:**

The Committee will consider recommending approval to the full Board of Resolution 2023-02, adopting the California Environmental Quality Act (CEQA) Notice of Exemption (NOE) for the Existing Facilities and Ongoing Project for the Proposed Multi-Year State Water Project Transfer from Casitas Municipal Water District to United Water Conservation District (Project), approving the Project, and directing staff to file the NOE in accordance with CEQA.

#### **Discussion:**

The District is the lead agency for the Project under CEQA. The proposed Project consists of a contractual agreement with Casitas Municipal Water District (CMWD) to purchase State Water Project (SWP) Table A contract water for Ventura County until December 31, 2027. The volume of water purchased would be dependent on the annual allocation established by the California Department of Water Resources but would not exceed 5,000 acre-feet each year. The Project is categorically exempt from review under CEQA pursuant to the Public Resources Code (PRC) Section 21083, CEQA Guideline Section 1530 Existing Facilities Class 1 and statutorily exempt pursuant to PRC Section 21083, CEQA Guideline Section 15261(a) Ongoing Project. The District has reviewed and determined that none of the conditions prohibiting exemption set forth in State CEQA Guidelines Section 15261(a) apply, and none of the exceptions to categorical exemption set forth in State CEQA Guidelines Section 15300.2 apply.

#### **Fiscal Impact:**

The County Clerk and Recorder's Office filing fee for the CEQA NOE is \$50.00 which is included in the Adopted Fiscal Year 2022-23 Budget under project account 050-300-54260-1030-310.

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**Agenda Item 3.1      Resolution 2023-02   Approving Adoption of the California  
Environmental Quality Act (CEQA) 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  
Board Motion**

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**Attachments:**

Attachment A – Resolution 2023-02

Attachment B – Notice of Exemption

**RESOLUTION 2023-02**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE UNITED WATER CONSERVATION DISTRICT DETERMINING THAT AN AGREEMENT FOR THE MULTI-YEAR WATER TRANSFER PROGRAM BETWEEN UNITED WATER CONSERVATION DISTRICT AND CASITAS MUNICIPAL WATER DISTRICT IS EXEMPT FROM CEQA**

**WHEREAS**, Ventura County Watershed Protection District (“VCWPD”) is the named contractor with the State of California under the State Water Project (“SWP”) contract (“SWP Water Supply Contract”) for 20,000 acre feet of SWP Table A water per year; and

**WHEREAS**, Casitas Municipal Water District (“Casitas”) is the administrator of VCWPD’s SWP Water Supply Contract and has retained access to 5,000 acre feet of the total 20,000 acre feet of SWP Table A water; and

**WHEREAS**, Casitas is presently unable to directly deliver SWP supplies into its service area; and

**WHEREAS**, without local conveyance facilities in place to currently utilize SWP water, Casitas believes it could benefit from a water transfer that delivers its SWP Table A Water to others to provide an offset of costs related to imported water supplies; and

**WHEREAS**, United Water Conservation District (“United”) is willing to purchase Casitas’ allocated SWP Table A Water supply and take delivery of the additional water in its service area; and

**WHEREAS**, United and Casitas now wish to enter into a multi-year agreement for the transfer of Casitas’ allocated SWP Table A Water supply (“Project”); and

**WHEREAS**, the proposed Project consists of United being able to purchase up to 5,000 acre feet of Casitas SWP Table A Water allocation per year; and

**WHEREAS**, the proposed Project will result in a multi-year transfer of SWP water between parties authorized to receive and transfer of such water under the SWP; and

**WHEREAS**, through the proposed Project United will take delivery of purchased water through Reach 29 of the California Aqueduct at Pyramid Lake through United’s facilities at Lake Piru or through Reach 30 at Castaic Lake; and

**WHEREAS**, the proposed Project will use existing facilities and involves no construction or changes in land use and negligible expansion of use; and

**WHEREAS**, United has reviewed the proposed Project and has determined that it is exempt from the provisions of the California Environmental Quality Act (Pub. Resources Code, § 21000 et seq.) (“CEQA”) pursuant to the ongoing project statutory exemption under Public Resources Code section 21169 and State CEQA Guidelines (Cal. Code Regs., tit. 14, § 15000 et



seq.) section 15261(a) because the proposed Project is merely an incidental part of an original, ongoing pre-CEQA project – the SWP Water Supply Contract; and

**WHEREAS**, United has reviewed the proposed Project and has also determined that it is exempt from the provisions of CEQA pursuant to the Class 1, Existing Facilities, categorical exemption under State CEQA Guidelines section 15301 because the proposed Project involves the operation of existing facilities with negligible expansion of use; and

**WHEREAS**, United has reviewed the proposed Project and has determined that none of the conditions prohibiting exemption set forth in State CEQA Guidelines section 15261(a) apply; and

**WHEREAS**, United has reviewed the proposed Project and has determined that none of the exceptions to categorical exemption set forth in State CEQA Guidelines section 15300.2 apply; and

**WHEREAS**, the terms and conditions of the proposed Project are described in the “Agreement for the Multi-Year Water Transfer Program between United Water Conservation District and Casitas Municipal Water District” (“Agreement”), attached hereto as Exhibit “A.”

**NOW THEREFORE**, the Board of Directors of United Water Conservation District does hereby **RESOLVE, DETERMINE, and ORDER** as follows:

Section 1. The above recitals are true and correct and are incorporated herein as though set forth in full.

Section 2. The Board of Directors hereby finds that the proposed Project is not subject to environmental review under CEQA and the State CEQA Guidelines, on grounds that the proposed Project is statutorily and categorically exempt. Specifically, the Board of Directors finds that the proposed Project is statutorily exempt pursuant to the ongoing project statutory exemption under Public Resources Code section 21169 and State CEQA Guidelines section 15261(a) because the proposed Project is merely an incidental part of an original, ongoing pre-CEQA project – the SWP Water Supply Contract. The proposed Project is also categorically exempt under CEQA Guidelines section 15301 because the proposed Project involves the operation of existing facilities with negligible expansion of use. The Board of Directors further hereby finds that none of the conditions prohibiting exemption set forth in State CEQA Guidelines section 15261(a) apply and that none of the exceptions to categorical exemption set forth in State CEQA Guidelines section 15300.2 apply.

**PASSED AND ADOPTED THIS 11th DAY OF January 2023.**

ATTEST: \_\_\_\_\_  
Board President Bruce E. Dandy

ATTEST: \_\_\_\_\_  
Board Secretary Lynn E. Maulhardt

Exhibit “A”

Proposed Water Transfer Agreement

**AGREEMENT FOR THE MULTI-YEAR WATER TRANSFER PROGRAM  
BETWEEN UNITED WATER CONSERVATION DISTRICT AND  
CASITAS MUNICIPAL WATER DISTRICT**

This Agreement (“Agreement”) is made and entered into by and between the United Water Conservation District, an independent special district and public agency formed and operating pursuant to the California Water Code Conservation Law of 1931 set forth in California Water Code Section 74000 *et seq.* (“United”) and Casitas Municipal Water District, a special district of the State of California that provides domestic and agricultural services to western Ventura County (“Casitas”), as of the later of the date upon which it is approved by the governing boards of United and Casitas or the date upon which it is fully executed by the duly authorized representatives of the parties (the “Effective Date”). United and Casitas are collectively referred to as “the Parties.”

**RECITALS**

WHEREAS, Casitas and United each have water supply contracts, indirectly, with the California Department of Water Resources (“DWR”) for water from the State Water Project (“SWP”); and

WHEREAS, Ventura County Watershed Protection District (“VCWPD”) is the named contractor with the State of California for 20,000 acre feet of SWP Table A water; and

WHEREAS, Casitas is the administrator of VCWPD’s SWP Water Supply Contract and has retained access to 5,000 acre feet of the total 20,000 acre feet of SWP Table A Water; and

WHEREAS, Casitas is presently unable to directly deliver SWP supplies into its service area; and

WHEREAS, without local conveyance facilities in place to currently utilize SWP water, Casitas believes it could benefit from a water transfer that delivers its SWP Table A Water to others to provide an offset of costs related to imported water supplies; and

WHEREAS, Casitas is considering options to obtain its SWP Table A water in the future through exchange or physical connection, however, an interconnection will require between three and five years to implement; and

WHEREAS, United is willing to purchase Casitas’ allocated SWP Table A Water supply and take delivery of the additional water in its service area; and

WHEREAS, the Parties agree all requirements under the California Environmental Quality Act have been met; and

WHEREAS, Casitas and United desire to initiate a multi-year SWP Table A Water Transfer Program for the Parties mutual benefit and better water management of their SWP water and other supplies.

NOW, THEREFORE, the Parties agree as follows:

1. Transfer of Casitas SWP Table A Water Allocation to United

a. Commencing the Effective Date and throughout the term of this Agreement, United shall be entitled to purchase up to 5,000 acre feet of Casitas' allocated SWP Table A Water directly from Casitas. The quantity of water available to United is reflected in Column 2 of Exhibit "A" which is attached hereto and incorporated herein, and will vary from year to year depending on the percentage allocated by the DWR as specified in Column 1 of Exhibit "A." This is exclusive of any Health and Safety allocations made pursuant to Article 18 of the VCWPD contract with DWR.

b. It is understood by the Parties that SWP Table A allocation refers to Casitas' SWP Table A Water allocation and Article 21 water supplies. Pursuant to this Agreement, United shall be permitted to convey/store Casitas' SWP Table A and Article 21 supplies under Casitas' rights within the SWP, with no rights reserved for Casitas. All water transferred must be delivered to United during the term of this Agreement. Any transferred water remaining in Casitas' allocated capacity of the storage and conveyance system upon termination of this Agreement will be subject to limitations within United's allocated capacity of the storage and conveyance system.

2. Pricing of Transferred SWP Table A Water. United shall pay Casitas the per acre foot as specified in Column 3 of Exhibit "A," corresponding to the final allocation percentage (Column 1 of Exhibit "A") for the year as determined by the DWR. United shall pay all SWP variable charges associated with the Casitas SWP Table A or Article 21 water delivered to its service area or to storage during the term of this Agreement. Casitas shall send an invoice to United no later than April 30 of each calendar year during the term of this Agreement in which United receives Casitas' final SWP Table A Water allocation amount. The invoice will be comprised of the following:

- A. Purchase Cost: The purchase cost will be based on Exhibit "A" and the final allocation from DWR typically known by April 1. If the allocation changes after the invoice is delivered to United (due to United on April 30), Casitas shall submit a subsequent invoice based on the adjusted allocation amount.
- B. Variable Costs: The projected variable costs for delivery of the final allocation amount will be estimated based on available information from DWR. Any differences between projected and actual variable costs will be reconciled in the invoice for the following year.

United shall pay Casitas no later than July 1 of each calendar year during the term of this Agreement in which it receives Casitas' final SWP Table A Water allocation. If Casitas does not receive payment of the purchase cost by July 1, Casitas reserves the right to sell the water to another willing buyer.

4. Notice. Any notice, request, information or other document to be given hereunder to any of the parties by any other parties shall be in writing and shall be deemed given and served upon delivery, if delivered personally, or three (3) days after mailing by United States mail as follows:

If to Casitas: Casitas Municipal Water District  
1055 Ventura Avenue  
Oak View, CA 93022  
Attn: Michael Flood, General Manager

5. Resale of Transferred Casitas SWP Table A or Article 21 Water. United agrees that it will not sell or transfer water supplies outside of United's boundaries that are transferred by Casitas pursuant to this agreement.

7. Attorneys' Fees. If any legal action is necessary to enforce any of the terms or conditions of this Agreement, each party shall bear their own attorneys' fees, except as set forth above.

8. Entire Agreement; Amendment. This Agreement constitutes the entire understanding between the Parties with respect to the subject matter hereof, superseding all negotiations, prior discussions and preliminary agreements made prior to the date hereof. This Agreement may not be changed except in writing executed by both parties.

9. Ambiguities not to be Construed against Drafting Party. The doctrine that any ambiguity contained in a contract shall be construed against the party whose counsel has drafted the contract is expressly waived by each of the parties hereto with respect to this Agreement.

10. Severability. If any provision in this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions will nevertheless continue in full force without being impaired or invalidated in any way.

11 Scanned/Electronic Signatures. This Agreement may be executed and transmitted to any other Party by PDF, which PDF shall be deemed to be, and utilized in all respects as, an original, wet-inked document.

IN WITNESS WHEREOF, the Parties have entered into this Agreement as of the Effective Date.

United:

UNITED WATER CONSERVATION DISTRICT

By: \_\_\_\_\_

Its: \_\_\_\_\_

Casitas:

CASITAS MUNICIPAL WATER DISTRICT

By: \_\_\_\_\_

Its: \_\_\_\_\_

Exhibit “A”

Casitas-United Water Purchase Pricing Schedule			
Annual Allocation Percentage	Annual Allocation Volume in Acre-feet	Unit Purchase Price per Acre-foot	Total Purchase Price
100%	5000	\$275	\$1,375,000
95%	4750	\$275	\$1,306,250
90%	4500	\$275	\$1,237,500
85%	4250	\$275	\$1,168,750
80%	4000	\$300	\$1,200,000
75%	3750	\$325	\$1,218,750
70%	3500	\$350	\$1,225,000
65%	3250	\$375	\$1,218,750
60%	3000	\$400	\$1,200,000
55%	2750	\$425	\$1,168,750
50%	2500	\$450	\$1,125,000
45%	2250	\$475	\$1,068,750
40%	2000	\$500	\$1,000,000
35%	1750	\$525	\$918,750
30%	1500	\$550	\$825,000
25%	1250	\$575	\$718,750
20%	1000	\$600	\$600,000
15%	750	\$700	\$525,000
10%	500	\$700	\$350,000
5%	250	\$700	\$175,000



## NOTICE OF EXEMPTION

**To:**

Office of Planning and Research  
P.O. Box 3044, Room 113  
Sacramento, CA 95812-3044

**From:**

United Water Conservation District  
1701 North Lombard Street, Suite 200  
Oxnard, CA 93030

Ventura County Clerk  
800 South Victoria Ave  
Ventura, CA 93009

**Project Title:** Multi-Year State Water Project Transfer from Casitas Municipal Water District to United Water Conservation District (Project)

**Project Location:** State Water Project water transferred between Ventura County Agencies will be used for beneficial purposes in Ventura County. Water will be delivered through Reach 29 or Reach 30 of the California Aqueduct System and transported to United Water Conservation District's existing facilities.

**Name of Public Agency Approving Project (Lead Agency):** United Water Conservation District

**Name of Person or Agency Carrying Out Project:** United Water Conservation District

**Project Description:** United Water Conservation District (United) proposes to enter into a contractual agreement with Casitas Municipal Water District (CMWD) to purchase State Water Project (SWP) Table A contract water for Ventura County until December 31, 2027. The volume of water purchased would be dependent on the annual allocation established by the California Department of Water Resources but would not exceed 5,000 acre-feet each year, which is CMWD's total SWP Table A contract amount. United will take delivery of purchased water through Reach 29 of the California Aqueduct at Pyramid Lake through United's facilities at Lake Piru or through Reach 30 at Castaic Lake. The project will utilize existing facilities and does not involve construction, changes in land use, or negligible expansion of use.

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**Exempt Status:**

☐ Ministerial (Sec. 21080(b)(1); 15268)

☐ Declared Emergency (Sec. 21080(b)(3); 15269(a))

☐ Emergency Project (Sec. 21080(b)(4); 15269(b)(c))

☒ Categorical Exemption: Guidelines § 15301 – Existing Facilities

☒ Statutory Exemptions: Pub. Res. Code § 21169; Guidelines § 15261(a) – Ongoing Project

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**Reasons Why Project is Exempt:** The Project is categorically exempt pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15301 – *Existing Facilities* (Class 1). Section 15301, *Existing Facilities* includes the operation of existing public or private structures or topographical features that does not involve expansion of use. The Project will not result in a negligible or expansion of use, therefore, the *Existing Facilities* exemption is applicable.

The Project is statutorily exempt pursuant to Public Resources Code Section 21083, CEQA Guideline Section 15261(a) – *Ongoing Project*. Section 15261(a) *Ongoing Project* involves a project which is an incidental part of an original, ongoing pre-CEQA project. The Project is part of the State Water Project contract.

None of the conditions prohibiting exemption set forth in State CEQA Guidelines Section 15261(a) apply, and none of the exceptions to categorical exemption set forth in State CEQA Guidelines Section 15300.2 apply.

**Lead Agency Contact Person:** Linda Purpus, Environmental Services Manager  
Telephone: 805-525-4431  
Email: [lindap@unitedwater.org](mailto:lindap@unitedwater.org)

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Linda Purpus  
Environmental Services Manager  
United Water Conservation District

Date

Date OPR received for filing: \_\_\_\_\_



### **Staff Report**

**To:** Engineering & Operations Committee

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Maryam A. Bral, Chief Engineer  
Craig Morgan, Engineering Manager  
Robert J. Richardson, Senior Engineer

**Date:** December 16, 2022 (January 5, 2023 Committee Meeting)

**Agenda Item:** **3.2 Recommend the Authorization of a Supplemental Appropriation of Funds for the Iron and Manganese Treatment Project (8007)**  
**Board Motion**

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#### **Staff Recommendation:**

The Engineering and Operations Committee will consider recommending to the full Board of Directors that it authorize a supplemental appropriation of \$1.5 million for the Iron and Manganese Treatment Project (CIP 8007) at its regular January 5, 2023, meeting.

#### **Background:**

In June 2018, the Iron and Manganese Treatment Project ("Project") was selected by the United States Bureau of Reclamation (USBR) for \$300,000 in grant funding under the WaterSMART Drought Response Program. In September 2020, the Project was selected by the California Department of Water Resources (DWR) for \$2.5 million in grant funding as one of five projects that received funding submitted by the Watersheds Coalition of Ventura County under Prop 1 Integrated Regional Water Management (IRWM) Implementation Grant Program. Altogether, \$2.8 million in grant funding was secured before soliciting the project for construction bids.

On July 12, 2021, the District submitted a pre-application for \$4,371,450 in federal assistance under the Defense Community Infrastructure Program (DCIP) issued by the Department of Defense's (DOD) Office of Local Defense Community Cooperation (OLDCC). On September 21, 2021, the District received notice through Congresswoman Julia Brownley's Office that the OLDCC approved a federal grant in the amount of \$4,230,133 to the District under the DCIP and the grant agreement was fully executed on September 23, 2021. Under financial assistance law and authorizing legislation, utilization of multiple Federal funding sources to cover the same scope of work is not allowed. Therefore, the District submitted a letter to the USBR on October 3, 2022 requesting cancellation of the \$300,000 grant assistance agreement for the Project in order to receive the DIP grant.

The DCIP grant agreement includes special terms and conditions (i.e., DOD's National Policy Requirements) which requires compliance with the Buy American Act (BAA) (Title 41, Chapter 83 of the United States Code) for all construction projects. The BAA which relates to Federal

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

procurements or Federal financial assistance requires that goods, products, and materials be produced in the United States, including iron, steel, and manufactured goods; with some waivers and exemptions noted.

In January 2021, Kennedy/Jenks Consultants (K/J) completed the final stamped and signed plans, specifications, and estimate for the Project. On May 14, 2021, the District solicited the Project and received four (4) construction bids. On July 14, 2021, the District's Board of Director's awarded three contracts: (1) Construction Management and Inspection Services contract to HDR Engineering, Inc. (HDR) in the amount of \$701,956; (2) Design Services During Construction Contract to K/J in the amount of \$537,448; and (3) Construction Contract to GSE Construction Company, Inc. (GSE) in the amount of \$9,342,900. An Administrative Notice to Proceed was issued to GSE on September 20, 2021. A Construction Notice to Proceed was issued to GSE on November 9, 2021, with a construction commencement date of November 29, 2021, and construction completion date of January 3, 2023.

The Contract Documents for which contractors placed their construction bids was prepared before the OLDCC's federal funding opportunity and did not include the BAA requirement. On August 30, 2021, the District issued Work Directive Change (WDC) No. 1 that notified GSE of the invitation to apply for a DCIP grant and that the special conditions included compliance with the BAA. On December 28, 2021, the District's Board of Directors authorized the General Manager to approve change orders proposed by GSE in response to the BAA requirement up to one million dollars (\$1,000,000). To date, there have been (4) Change Orders (COs) approved in the total amount of \$662,910.19 that are related to compliance with the BAA requirement. No further COs related to BAA are anticipated for the Project.

HDR as the Construction Manager has assumed the role of document control and budgeted approximately 930 hours or \$212,534 for this task. K/J as the Engineer of Record has assumed the role of technical review and budgeted for 100 Contractor's Requests for Information (RFI) in the amount of \$82,150 and 200 Contractor submittal packages in the amount of \$170,500. As of December 2022, construction is over eighty percent (80%) complete and GSE has submitted 122 RFIs and 333 submittal packages for administrative review by HDR and technical review by K/J. On December 6, 2022, K/J submitted a letter proposal requesting an amendment in the amount of \$198,106 that will cover an additional 50 RFIs and 200 submittal packages. HDR has not submitted a similar letter proposal and has not indicated the need for additional budget to complete the project.

#### **Discussion:**

The approved Fiscal Year (FY) 2022-23 budget included funding sources for the Project by grants in the amount of \$7,030,914 and local sources in the amount of \$5,540,375. During the course of the Project, total funding by grant sources decreased by \$300,000 while total expenditures increased by approximately \$1.161 million over the original budgeted expenditures. The primary reasons for the increased cost expenditures are: (1) requirement to meet the BAA per the OLDCC DCIP grant agreement; (2) unforeseen utility conflicts during construction and subsequent changes

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

to the design; (3) underbudgeted amount for construction management and inspection services; (4) additional budget needed to address Contractor's RFIs and submittal packages during construction. A breakdown of the cost impacts is provided in the table below.

	<b><u>Original Budgeted Amount<sup>1</sup></u></b>	<b><u>Original Contract Amount</u></b>	<b><u>Additions</u></b>	<b><u>Cost Impact</u></b>
1. Construction Contract (GSE)	\$9,786,700	\$9,342,900	Change Orders (various): <ul style="list-style-type: none"><li>• \$662,910.19 (BAA<sup>2</sup>)</li><li>• \$466,556.07 (other<sup>3</sup>)</li></ul>	\$685,666.26
2. Construction Management and Inspection Services (HDR)	\$444,850	\$701,956	No Amendments Requested	\$257,106
3. Design Services During Construction (K/J)	\$518,790	\$537,488	Amendment requested up to \$200,000 (under negotiation)	\$218,698

**Total Cost Impacts: \$1,161,470.26**

Staff is recommending a supplemental appropriation of \$1.5 million to complete the Project that will cover the current increase in expenditures, loss of a \$300,000 grant and include contingency for any unforeseen expenditures.

**Fiscal Impact**

Approval of this item would result in a supplemental appropriation of \$1.5 million which includes a 6.2 percent contingency of design/construction costs. This proposed appropriation was not budgeted for the Fiscal Year 2022-23 budget and will require a supplemental appropriation from the Bond Refinance (\$1 million) and Reserve funds from the Oxnard Hueneme Pipeline Fund (\$500 thousand).

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<sup>1</sup> The original budget was prepared in February 2021 based on estimated costs and not actual contract amounts.

<sup>2</sup> Buy American Act – required by the OLDCC DCIP grant

<sup>3</sup> Change orders as a result of unforeseen utility conflicts and subsequent changes to the design; and other minor design changes



### **Staff Report**

**To:** Engineering and Operations Committee Members

**Through:** Mauricio E. Guardado Jr., General Manager

**From:** Maryam A. Bral, Chief Engineer  
Craig A. Morgan, Engineering Manager  
Robert J. Richardson, Senior Engineer  
Michel Kadah, Engineer  
Adrian Quiroz, Associate Engineer  
Erik Zvirbulis, GIS Analyst

**Date:** December 16, 2022 (January 5, 2023 meeting)

**Agenda Item:** 4.1 Monthly Engineering Department Report  
**Information item**

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#### **Staff Recommendation:**

The Engineering and Operations Committee members will receive this summary report from the Engineering Department regarding its activities for the month of December 2022.

#### **Discussion:**

1. Santa Felicia Dam Safety Improvement Projects

- Spillway Improvement Project
    - Staff conducted bi-weekly progress meetings with GEI Consultants on December 6 and December 19 to review and discuss the current design status and concerns.
  - Outlet Works Improvement Project
    - The above updates reported for the Spillway Improvement Project are also applicable to the Outlet Works Improvement Project.
    - Staff attended internal meetings to discuss the project construction management services and constructability review. Staff are preparing a Request for Proposal (RFP) for construction management services for the Project. The RFP is tentatively scheduled to be released for bid in February 2023.
    - On December 9, Staff prepared and submitted the second installment payment for the Division of Safety of Dams (DSOD) application fee for the Santa Felicia Dam Outlet Works Improvement Project in amount of \$156,800 (40% of the total application fee). The first installment payment in the amount of \$78,400 (20% of the total application fee) was submitted to DSOD on November 1, 2021. DSOD has agreed to a total of
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#### 4.1 Monthly Engineering Department Report Information Item

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three installment payments. The remaining and last installment payment will be submitted to DSOD upon completion of the 90% design phase.

- FERC License Amendment Application, NEPA Documentation and Section 7 Consultation
  - On December 9, Engineering and Environmental Services Staff attended the bi-weekly meeting with Catalyst Environmental Solutions to discuss permitting update and progress.
  - On December 15, Environmental Services Staff e-filed a time extension request to FERC to submit the revised Biological Assessment (BA). The revised BA cannot be submitted until NMFS comments are received.
  - On December 22, the professional services agreement with Catalyst Environmental Solutions (Catalyst) that was executed on April 12, 2019 was amended (Amendment No. 2) to extend Catalyst's contract term to June 30, 2023 and increase the contract amount by \$137,520 for the purpose of additional consultation services related to the completion of NEPA documentation and Section 7 consultation.
- Loan and Grant Applications
  - 2021 FEMA HMGP
    - The Hazard Mitigation Grant Program applications are currently under review by CalOES. Selected applications by CalOES will be submitted to FEMA in early 2023 for further considerations and grant award.

##### Prepare CA Match – FEMA HMGP

- On November 29, CalOES consultant, Hagerty Consulting contacted Staff via email and asked if the District would pursue the HMGP funding for the Santa Felicia Dam Safety Improvement Project – New Outlet Works Improvement project (Project) if the District's application for the local match coverage (35% of the total Project cost) through the Prepare CA Match funding program were not selected? Staff informed Hagerty Consultant that the District would still be pursuing the HMGP funding and moving forward with the Project. While it is unclear the reason for this inquiry, but our response may influence CalOES selection of the HGMP grant applications. Staff was informed that Cal OES will inform the District if the District's HMGP application is formally submitted to FEMA.

##### WIFIA Loan

- Staff worked with the Finance Department to respond to additional inquiries and questions by the WIFIA Administrative team. Staff provided an updated Project Cost Estimate considering an additional 30 to 35 percent market contingency per the recommendation of the WIFIA Administrative Team. The updated Project Cost along with other financial related information were submitted to the WIFIA Administrative Team on December 27.

#### 4.1 Monthly Engineering Department Report Information Item

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- Santa Felicia Dam Safety
  - On December 16, Staff in collaboration with Operations Staff and the Risk and Safety Manager submitted the 2022 SFD Security Plan Update and the 2022 Vulnerability Security Risk Assessment for Santa Felicia Dam to FERC D2SI – Security Branch.
  - On December 19, Staff prepared and submitted the 2022 Annual Security Compliance Certification to FERC, D2SI Security Branch.
  - On December 21, 2022, Staff prepared and e-filed the 2022 Dam Safety Surveillance and Monitoring Report (DSSMR) to FERC.
  - On December 22, 2022, Staff finalized and e-filed the 2022 SFD EAP Status Report to FERC.
  - On December 22, 2022, a public outreach letter was issued to the Ventura County Sheriff's Office (VCSO), copying the EMAs of the impacted jurisdictions, offering assistance, as needed, to develop local evacuation plans, public communications, and outreach programs, and to share ideas for reducing response time.
  - On December 15, 2022, Staff submitted a 30-day request for extension of time letter to FERC to complete the Santa Felicia Dam Part 12D Inspection – Consultant's Safety Inspection Report. Staff will e-file the report to FERC no later than January 30, 2023.
  - The District is required to conduct an EAP Tabletop and an EAP Functional Exercise on a 5-year basis. The last tabletop exercise was conducted in 2018 while the last functional exercise was conducted in 2019. These exercises were due in 2023 and 2024 respectively, however, as an Interim Risk Reduction Measure (IRRM), the District committed to conducting these exercises one year earlier to enhance emergency preparedness. The District has retained GF to support the planning and facilitating of these exercises per an agreement with GF that was executed on August 9, 2022. The tabletop exercise was completed on October 20, 2022. An After-Action Report and Improvement Plan were e-filed with FERC on December 19, 2022.
  - Per the SFD Dam Safety Surveillance Monitoring Plan, the spillway underdrain system is to be inspected on a three-year basis. On November 15, 2022, Staff executed Task Order No.2 under the On-Call Services Agreement with HDR Engineering, Inc for services related to the 2022 SFD Spillway Underdrain Inspection. The video inspection was conducted on November 17 and 18, 2022 (See Figure 3). A final inspection report was e-filed with FERC on December 22, 2022. The report was also submitted to DSOD on December 22, 2022.
  - Per FERC guidelines, the Santa Felicia Dam Owner's Dam Safety Program is to receive an independent external audit on a 5-year basis. On May 09, 2022, staff executed a professional services agreement with Gannett Fleming (GF), Inc to conduct the audit. In September 2022, GF conducted interviews with dam safety personnel. On September 26, 2022, GF conducted an inspection of the SFD and Lombard Headquarters facilities. A final ODSP Audit Report was e-filed with FERC on December 20, 2022.



#### **4.1 Monthly Engineering Department Report Information Item**

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- Staff in collaboration with Operations Staff and the Risk and Safety Manager updated the 2022 SFD Security Plan Update and the 2022 Vulnerability Security Risk Assessment for Santa Felicia Dam.

#### **2. Condor Point Improvement Project**

- As part of the Condor Point Improvement Project, six (6) new ramada shaded picnic sites have been constructed at Condor Point, per a FERC order. A significant portion of the existing irrigation system here was demolished for ramada shade construction. The District executed a construction Agreement with Pacific Vista Landscaping, Inc (Pacific Vista) on October 26, 2022. Pacific Vista's scope includes the reconstruction of the irrigation system to conform to the new picnic sites, hydroseeding the entire lawn area to establish a uniform lawn, and the planting of three (3) new Western Sycamore trees per FERC order. The work is on track to be completed by December 31, 2022.

#### **3. Freeman Diversion Expansion**

- Staff, USBR, the University of Iowa, Stantec and NHC participate in rotating weekly calls with NMFS and CDFW to provide updates on physical modeling, CFD modeling and design alternations.
- USBR and the University of Iowa with NMFS and CDFW continue to work in conjunction with NHC and Stantec on physical model stress and operational testing.

#### **4. Iron and Manganese Treatment Facility**

- Meetings:
    - Weekly coordination meetings between staff and the District's construction manager (HDR, Inc.)
    - Weekly construction progress meetings hosted by HDR and attended by GSE Construction, Taft Electric, Kennedy Jenks Consultants (KJ) and staff.
  - GSE Construction has submitted approximately 337 out of a total of 369 submittal packages anticipated for the project. HDR and design engineer (KJ) have provided responses on approximately 327 submittal packages including a requirement to comply with the Buy American Act (BAA).
  - GSE Construction has submitted approximately 124 Requests for Information (RFIs) to date. HDR, KJ and the District have been providing responses.
  - Twenty (20) Change Orders (COs) have been fully executed to date amounting to a net total of \$1,118,384.12. This represents 12% of the original contract amount (\$9,342,900.00). Four (4) of these COs amounting to \$662,910.19 or 7.1% of the original contract amount are directly related to be in compliance with the BAA which is a federal grant requirement (the project was not originally bid with this requirement in place). Therefore, only \$455,473.93 or 4.9% of COs have resulted in additions or modifications to the original scope of work.
  - Five (5) COs have been prepared and are under negotiation and execution which includes additions and credits in the sum total of \$11,082.
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#### 4.1 Monthly Engineering Department Report Information Item

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- On December 21, 2022, Staff received comments on the final draft Operations, Maintenance and Monitoring Plan (OMMP) from the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW). A meeting with HDR will be held on January 4, 2022, to finalize the OMMP prior to plant start-up and testing operations.
- GSE Construction continued construction of the following (See Figures 5, 6 and 7):
  - 24" Raw Water Pipeline (RAW)
  - 24" Filtered Water (FW) Connection
  - 20" Backwash Supply Pipeline (BWS)
  - 18" connections to RAW
  - 12" RAW Flushing Pipelines
  - Backwash Supply Metering Vault
  - 8" Air Supply Pipeline
  - 8" Filter Drain (FD) Pipe
  - 8" Return Wash Water (RWW)
  - 8" Overflow (OF)
  - 4" Utility Water (UW)
  - 3" Chlorine Solution Lines, Double Contained
  - 2.5" Utility Water (UW)
  - Various underground sample lines
  - Various underground electrical conduits
  - Filter face piping
  - Filter vessel internals
  - Laboratory/Electrical/Blower Building
    - i. Framing for drywall
    - ii. HVAC
    - iii. Interior electrical
    - iv. Special inspections (fire dept., mechanical/electrical/plumbing)
- Staff prepared a recommendation to the full Board of Directors that it authorize a supplemental appropriation of \$1.5 million for the project (separate staff report and motion item).
- The tentative date for construction completion and implementation is January 26, 2023. A total of seven (8) inclement weather days have been counted. However, due to continued issues with the supply chain and significant delays in the delivery of parts, pipes and pumps, Staff anticipates that by June 2023 construction is substantially completed, including the plant startup and commissioning while the delivery of ancillary equipment such as two filter drain pumps could still be pending at that time.

#### 5. PTP Metering Improvement Project

- Total number of Meters installed: 40 of 61 or 65.5% complete.
  - An additional four (4) Meter installations are planned by early 2023.
  - Easement acquisition completion: 24 of 41 obtained or 58.5% complete
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#### 4.1 Monthly Engineering Department Report Information Item

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- On December 2, 2022, staff met with Hamner, Jewell & Associates (HJA) to discuss the progress of easement acquisition services.
  - On December 6, 2022, staff met internally to discuss the progress of the easement acquisition which HJA is performing for the District and the planned installation for turnouts that have received easements.
  - On December 6 and 21, 2022, staff held calls with the property owner at PTP Turnout No. 122 who has not used a significant amount of water since 2010. The property owner indicated their desire to terminate the service, but a follow up action will be taken after a formal request for service termination is received by the property owner.
6. PTP Recycled Water Connection – Laguna Road Pipeline Project
- Staff completed their final review of the Preliminary Design Report (PDR) and preliminary drawings. On December 15, final comments were submitted to Kennedy Jenks to be incorporated in the final PDR.
  - Next coordination meeting with Pleasant Valley County Water District (PVCWD) is anticipated to be held in January 2023. Staff are planning to send a copy of the final PDR to PVCWD.
7. Rice Avenue Grade Separation Project and Impact on PTP
- On December 7, 2022, Staff provided a status update to the Executive Committee which was the same as the status update provided in the December 2022 Staff report and this report as follows:
  - On October 17, the District received a Notice of Intent (NOI) from CalTrans related to acquisition of the two easements. Through this NOI CalTrans notified the District that the California Transportation Commission (Commission) will be asked by CalTrans on December 7 and December 8, 2022, to adopt a Resolution of Necessity (Resolution). If adopted, the Resolution authorizes CalTrans to acquire the District property by eminent domain. Within six months of the adoption of the Resolution, CalTrans will decide whether to file a complaint in Superior Court commencing the eminent domain proceedings. The District is not planning to contest the NOI and this position is supported by the legal counsel.
  - On November 16, through a phone conversation with Staff, CalTrans expressed interest in reaching a mutual agreement with the District in lieu of a lawsuit. CalTrans encouraged the District to provide a counteroffer to CalTrans offer of a sum of \$6,300 for the two easements. CalTrans also informed Staff that the State is in the process of acquiring the land next to the PTP Well Site No. 4, but the process could take a long time. Staff restated the District's need for more space at the well site and a guarantee that the parcel adjacent to the well site once purchased will be transferred to the District at the completion of the Project.
  - On November 21, via an email correspondence to CalTrans, Staff restated the District's counteroffer which is the advanced approval of the County's Board of Supervisors for the
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#### 4.1 Monthly Engineering Department Report Information Item

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parcel transfer to the District pending the completion of the land purchase by the State and the Project. Staff is awaiting a response from CalTrans.

##### 8. State Water Project (SWP) Interconnection Pipeline Project

- Staff received a copy of the draft 3-Party Interagency Agreement on December 1, 2022 for review and comments. This is a modified interagency agreement with three participating parties, including City of Ventura (City), United Water Conservation District (District) and Calleguas Municipal Water District (CMWD) for construction and operation of the Project.
- Based on the hydraulic analysis results previously reported, the interconnection pipeline will deliver a minimum of thirteen cubic feet per second by gravity, from the City to CMWD and the size and materials of the interconnection pipeline will be a 30-inch welded steel pipe for all segments except for the segment crossing the Santa Clara River (SCR). This segment will be 24-inch high density polyethylene (HDPE) pipe with a dimension ratio of 7 (DR7). The City, however, intends to use an alternate bid to include a 28-inch DR7 or 7.3 pipe segment for the SCR crossing to prevent potential bottlenecks. The cost difference and all additional costs related to design and construction costs will be paid by the requesting party.
- Staff reviewed the draft agreement and provided comments to the City on December 28, 2022. Once finalized, the City is planning to present a copy of the final agreement at the Ventura Water Commission meeting on January 25, 2023.

##### 9. Extraction Barrier and Brackish Water Treatment Project

- Meetings:
  - December 15, 2022
    - Joint Kick-off Meeting with ESA and K/J to discuss roles and responsibilities, project background, work plan and schedule moving forward into 2023.
    - Monthly Progress Meeting No. 26 with U.S. Navy to discuss recent contracts, joint kick-off meeting with consultants, upcoming site reconnaissance with consultants, future permitting charrette meeting, pending license agreements (Phase 1A and monitoring wells) and future Phase 1B out grant easement.
  - December 20 and 28, 2023 – Progress meetings with K/J
  - January 10, 2023 – Internal progress meeting with engineering, water resources and environmental services staff.
- Grants:
  - Phase 1 Extraction Barrier Project - Prop 1 Round 3 Ground Water Grant Program (GWGP) – State Water Resources Control Board (SWRCB) – Received notification from Division of Financial Assistance (DFA) that preliminary awards will not be issued until January or February of 2023.
  - Monitoring Wells - Sustainable Groundwater Management (SGM) Grant Program – *no updates to report*

#### **4.1 Monthly Engineering Department Report Information Item**

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- CEQA/NEPA – Professional Services Agreement with ESA fully executed on December 20, 2022.
- Design – Professional Services Agreement with Kennedy/Jenks Consultants fully executed on December 19, 2022.

##### **10. Asset Management/ CMMS System**

- Staff continues to work on tables and graphs for the end of year reporting from the Santa Felicia Dam monthly inspection reporting Survey123 app data exports.
- Staff continues to implement the use of the Arrow GNSS unit into District projects providing high accuracy location and elevation data.

##### **11. Main Supply Line Sodium Hypochlorite Injection Facility**

- A proposal for design services is pending from Trussell Technologies who performed a site visit on November 30, 2022.

##### **12. Lake Piru Recreation Area – 2022 Pavement Maintenance Program**

- On December 5, the construction activity of the 2022 pavement repair program was started at Lake Piru Recreation Area.
- On December 8, Horizon Construction (the asphalt contractor) completed Phase 1 that includes the pavement repair of approximately 13,900 square feet of access road along Olive Grove Campground (see Green Area on Figures 1, 2, 3, and 4).
- On December 14, Horizon Construction completed Phase 2 that includes the pavement repair of approximately 20,700 square feet of access road along Olive Grove Campground (see Red Area on Figure 1).
- On December 21, Horizon completed Phase 3 that includes the pavement repair of approximately 18,500 square feet of the area between the park ranger's office and the Marina parking lot.
- Final stripping is scheduled to be completed on January 3, and the final job walk with the work completion checklist is tentatively scheduled to be conducted on January 4, 2023.

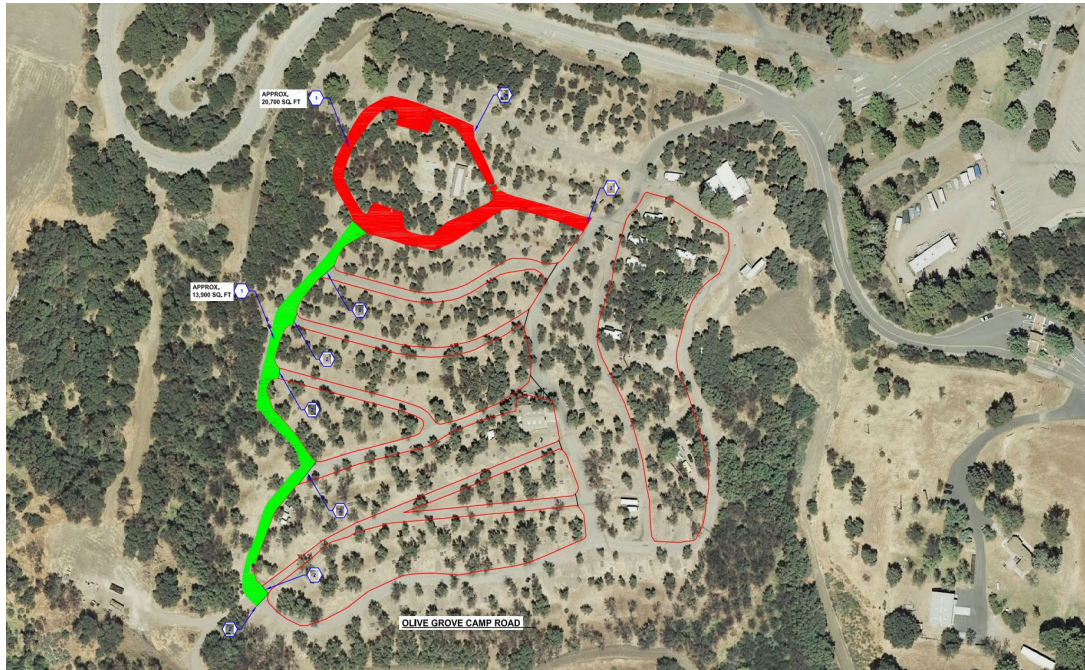
##### **13. Other Topics, Meetings and Training**

- December 12, 2022 – Staff attended a lunch-time presentation by Towill (surveying, mapping, and GIS vendor)
- December 16, 2022 – Robert Richardson and Craig Morgan attended a Central Valley, California Well & Pump Webinar hosted by the American Groundwater Water Trust entitled: "Focus on idle water-supply and irrigation wells that are out of action due to regulation and/or declines in groundwater levels."



#### 4.1 Monthly Engineering Department Report Information Item

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**Figure 1 – 2022 Pavement Repair Program – Olive Grove Campground**



**Figure 2 – 2022 Pavement Repair Program – Olive Grove Campground**





**Figure 3 – 2022 Pavement Repair Program – Olive Grove Campground**



**Figure 4 – 2022 Pavement Repair Program – Olive Grove Campground**



#### 4.1 Monthly Engineering Department Report Information Item

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**Figure 5 – Installation of Elevated Platform at Filter Vessels**



**Figure 6 – Installation of 1- $\frac{1}{4}$ " SL Pipeline and Pump Station**





**Figure 7 – Installation of above-ground piping at FD and RWW Pump Stations**



### **Staff Report**

**To:** Engineering and Operations Committee Members

**Through:** Mauricio E. Guardado, Jr., General Manager  
Anthony A. Emmert, Assistant General Manager

**cc:** Dr. Maryam Bral, Chief Engineer

**From:** Linda Purpus, Environmental Services Manager

**Date:** December 16, 2022 (January 5, 2023, meeting)

**Agenda Item:** 4.2 Monthly Environmental Services Department Report  
**Information Item**

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#### **Staff Recommendation:**

The Engineering and Operations Committee members will receive this staff report from the Environmental Services Department regarding its activities for the month of December 2022.

#### **Discussion:**

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

- 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 Water Conservation District (United) is required to make certain water releases from the Santa Felicia Dam 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 table below presents trigger criteria for each month and minimum required releases if those triggers are met. Each month that the trigger is not met, the minimum required habitat water release is 7 cubic feet per second (cfs). The trigger for the enhanced habitat water releases was met January 1, 2023. The minimum required habitat water release for the month of January will increase to 15 cfs.

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## 4.2 Monthly Environmental Services Department Report Information Item

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Habitat water release trigger date	Trigger criteria (total cumulative precipitation on trigger date)	Minimum required water release if trigger is met	2023 Measured cumulative precipitation	Actual minimum required habitat water release for month
January 1	4.80 inches	15 cfs	7.03 inches	15 cfs
February 1	8.10 inches	20 cfs	TBD	TBD
March 1	12.00 inches	20 cfs	TBD	TBD
April 1	14.90 inches	20 cfs	TBD	TBD
May 1	16.30 inches	10 cfs	TBD	TBD
June 1	17.50 inches	9 cfs*	TBD	TBD

\*If triggered, the minimum required water release will remain at 9 cfs through October 1, at which time, minimum required water release will be 7 cfs through January 1 of next calendar year.

- Lower Piru Creek Herpetological Monitoring Plan and Arroyo Toad Protection Plan

On December 30, 2022, Environmental Services staff submitted to FERC the combined 2022 Annual Report for the Revised Lower Piru Creek Herpetological Monitoring Plan and Arroyo Toad Protection Plan. The Annual Report documents activities conducted between January 1 and December 31, 2022. During the reporting period, United did not conduct any activities expected to result in adverse impacts to arroyo toads or their habitat on U.S. Forest Service property; therefore, no measures were triggered under the Arroyo Toad Protection Plan. Aquatic exotic species management activities prescribed under the Revised Lower Piru Creek Herpetological Monitoring Plan were conducted from March through September of 2022. Specifically, United conducted non-native species removal targeting non-native fish, crayfish, bullfrog and African clawed frog eggs and newly emerged tadpoles. Analysis of the 2019 through 2022 data trends have led staff to recommend modifications to exotic species management within the Santa Felicia Dam spillway ponds. In 2023, United plans to develop proposed modifications for consideration by the wildlife resource agencies and FERC.

- Santa Felicia Fish Passage Pre-Implementation Studies

During the month of December, the fyke fish trap and PIT antenna arrays were operated. In response to a rain event, the fyke fish trap in middle Piru Creek was operated from December 12 through 15, 2022. No *O. mykiss* were captured. United and Cramer Fish Sciences staff will operate equipment through May 2023, as flows in middle Piru Creek allow and in accordance with the Santa Felicia Fish Passage Pre-Implementation Study Plan.

## 4.2 Monthly Environmental Services Department Report Information Item

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- Santa Felicia Dam Safety Improvement Project (SFDSIP)

On August 9, 2022, United submitted a second draft of the SFDSIP Biological Assessment (BA) to FERC for review and to facilitate federal consultation under the Endangered Species Act Section 7 with U.S. Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS). On August 15, 2022, FERC provided the draft BA to NMFS for review and comment. On October 14, 2022, United received comments on the draft BA from FERC with a request to complete revisions to the BA and accompanying documentation within 60-days. United's goal is to efficiently address both agencies' comments with submittal of a single revised document and to date, United is awaiting NMFS comments on the draft BA. On December 15, 2022, United requested an extension of time from FERC to receive and address both agencies' comments and submit a revised document.

### 2. Freeman Diversion Operations

- Freeman Diversion Sediment Management

On December 21, 2022, United submitted post-project reports to the California Department of Fish and Wildlife (CDFW) and the Los Angeles Regional Water Quality Control Board in accordance with project permits and authorizations.

- Freeman Diversion Fish Passage Facility

On December 13, 2022, United initiated fish ladder operations at the Freeman Diversion. Steelhead migration season begins January 1; however, the estuary had breached and flow in the Santa Clara River indicated that passage conditions were suitable for adult steelhead should they be present. In response, United experimentally released flows through the fish ladder and conducted surveillance monitoring. Due to receding flows in the river, the fish ladder was shut down on December 15, 2022. Environmental Services staff conducted stranding surveys of the fish passage facility during the fish ladder shutdown. In addition, staff conducted stranding surveys within the critical reach of the Santa Clara River downstream of the Freeman Diversion after fish ladder start-up and shutdown. No *O. mykiss* were observed during stranding surveys. Environmental Services staff issued notifications to NMFS, NMFS- Office of Law Enforcement (OLE), and CDFW staff of operations.

### 3. Extraction Barrier and Brackish (EBB) Water Treatment Project

On December 14, 2022, Environmental Science Associates (ESA) was awarded a contract with United to provide environmental consultant services including California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) documentation and regulatory permitting services for the EBB Water Treatment Project Demonstration Phase. A kick-off meeting was held on December 15, 2022, with United's project staff, US Navy staff, and the environmental and engineering design consulting firms.

## 4.2 Monthly Environmental Services Department Report Information Item

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### 4. Annual Reporting

Environmental Services staff submitted annual reports in compliance with CDFW LSAA's permitting routine maintenance activities for Lake Piru Recreation Area on December 29, 2022, and the Freeman Diversion Facility on December 29, 2022.

### 5. Quagga Mussel Management

Staff continues to conduct routine monitoring under the Quagga Mussel Monitoring and Control Plan (QMMCP) including monthly water quality sampling, monthly veliger (microscopic planktonic larvae) sampling, monthly artificial substrate sampling in Lake Piru (plate sampling), and natural substrate sampling in lower Piru Creek (surface surveys).

### 6. Miscellaneous

- On December 6, 2022, Environmental Services and Water Resources staff led the annual interdepartmental coordination meeting for Freeman Diversion operations in preparation for the upcoming winter season. The meeting was attended by Environmental Services, Operations and Maintenance, and Water Resources staff.
- On December 6, 2022, Environmental Services staff attended the Santa Clara River Riparian Birds Meeting, hosted by USFWS. The meeting presented current least Bell's vireo (*Vireo bellii pusillus*) research and population assessments, cowbird trapping, and riparian habitat restoration efforts in the Santa Clara River.
- On December 7, 2022, Adam Lambert and Sean Carey, researchers with the University of California, Santa Barbara, provided Environmental Services staff a tour of the Cienega Springs Ecological Reserve and Wetland Riparian Restoration project site, just south of the Fillmore Fish Hatchery. The project is restoring 234 acres of the Santa Clara River channel and floodplain by removing giant reed (*Arundo donax*) and restoring native habitat diversity. This project is being conducted in partnership with CDFW and the Santa Clara River Conservancy.
- December 13, 2022, was part-time Environmental Services Field Technician Hanna Rueter's last day of work with the District. She has accepted a position as a lab analyst with Camrosa Water District.
- On December 14, 2022, Hannah Garcia-Wickstrum, Robbie Zambelli, Robyn Gorecki, and Sabrina Kennedy attended a river discharge measurement training led by United's Senior Hydrologist, Bram Sercu.
- On December 25, 2022, Tessa Lenz was promoted from the Associate Environmental Scientist position to the Environmental Scientist – Regulatory Specialist position.



**Staff Report**

**To:** Engineering and Operations Committee Members

**Through:** Mauricio E. Guardado, Jr., General Manager  
Brian Collins, Chief Operations Officer

**From:** John Carman, Programs Supervisor

**Date:** December 16, 2022 (January 5, 2023, Meeting)

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

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**Staff Recommendation:**

The Engineering and Operations Committee members will receive this staff report from the Operations and Maintenance department regarding its activities for the month of December.

1. Water Releases, Diversions

- Lake Piru rose .75 feet in December to 14,445 acre-feet (AF) of storage.
- 1360 AF of water was diverted by the Freeman Diversion facility in December.
- 901 AF of water was diverted to the Saticoy recharge basins in December (metered plus unmetered).
- 387 AF of surface water was delivered to the El Rio recharge basins in December.
- 64.5 AF of surface water was delivered to the PTP system in December.
- 0 AF of surface water was delivered C customers in December.
- 7.9 AF of surface water was delivered to Pleasant Valley County Water District in December.

2. Major Facilities Update

- **Santa Felicia Dam**
    - On January 1, 2023, the lake level was 78.1 feet below the spillway lip.
    - Habitat water releases from Santa Felicia Dam (SFD) were maintained at 7 cubic feet per second (cfs), for the month of December, as per the Water Release and Ramping Rate Implementation Plan for Lower Piru Creek.
    - Staff constructed a concrete pad and set a new Emergency Generator for the Lake Piru Water Treatment plant.
    - In December we received 157-acre feet of our requested 5% Table A state water allocation.
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**Agenda Item: 4.3 Monthly Operations and Maintenance Department Report**  
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- **Freeman Diversion, Saticoy, and El Rio Recharge Facilities**

- Flows at the Freeman Diversion averaged 22 cfs for the month of December, with 0 cfs of surface water being diverted on January 1, 2023.
- District staff from all geographic locations completed the annual month long Desilt Basin Cleanout Project on December 6, 2022. Project totals = 2022 truckloads, 50,934 cubic yards.
- Static water levels (distance of water from the well pad to the water table):

	<b>2022</b>	<b>2021</b>	<b>2020</b>
Saticoy	142'	147'	121'
El Rio	142.4'	139.7'	119.5'
PTP	121' - 143'	115' - 147'	110' - 149'

- **Oxnard-Hueneme (OH) Delivery System**

- Staff maintained a collaborative presence with daily inspections for the City of Oxnard sewer line upgrades, contractor Toro Construction completed boring below United's 42 inch OH Pipeline on Rose Avenue in December.
- Staff re-piped OH Well #14 manifold with new check valve, new Endress Hauser magnetic flowmeter, and eliminated piping constrictions.

- **Pleasant Valley County Water District (PVCWD)**

- PVCWD received surface water from the Conejo Creek Project and received some highly treated recycled water from the City of Oxnard's Advanced Water Purification Facility (AWPF).

- **Pumping Trough Pipeline (PTP)**

- During the month of December, the PTP system demand was met with PTP wells and surface water.
- Staff removed and installed new 250 hp motor at PTP Reservoir Booster Pump facility.
- Contractor General Pump installed a new well pump at PTP #3 (tube/shaft, column pipe, bowl assembly, strainer).
- PTP #153 Endress Hauser turnout out mag meter batteries replaced.

**Agenda Item: 4.3 Monthly Operations and Maintenance Department Report**  
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- **Instrumentation**

- Instrumentation staff working with Allen Bradley troubleshooting VFD drive issues at PTP Wells #1& #2.
- Staff coordinated with Edison at PTP Well #1 for High Voltage fuse replacement.
- Instrumentation staff replaced the PV reservoir level transducer.
- December 29, 2022, Instrumentation staff installed a satellite time sync radio antenna for SCADA control system.
- OH Well #4 level transducer replaced.

- **Lake Piru Water System**

- All chlorine residuals and turbidity readings for the drinking water system were within proper ranges for the month of December.
- Staff performed a quarterly inspection and added media to filter vessels.
- Monthly pH, turbidity and coliform samples were obtained for Lake Piru, as part of the Long Term 2 Enhanced Surface Water Treatment Rule compliance monitoring.

3. Operations and Maintenance Projects Update

- The Iron and Manganese grant funded project is progressing well at El Rio Booster Plant, projected completion date June 30, 2023.

4. Other Operations and Maintenance Activities

- The Santa Felicia Dam Emergency Action Plan sirens located in Piru were exercised on December 2, 2022.
- The monthly inspection of Santa Felicia Dam was performed.
- Monthly bacteria samples were obtained for the PTP system.
- Monthly meter readings were obtained for the OH, PTP, and PV Pipelines.
- Completed and electronically transmitted the monthly OH Pipeline report to the State Water Resources Control Board Division of Drinking Water.
- Static water levels were obtained for all El Rio, Saticoy, and PTP wells.
- Weed abatement continued throughout the District.
- Action priority update biweekly meetings for operations staff were continued.

**Agenda Item: 4.3 Monthly Operations and Maintenance Department Report**  
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5. Safety and Training

- During the months of December, approximately 3100 hours of O & M department work were performed with no reportable accidents.
- The online Target Safety assignment for December was “Water Industry Water Industry Lock-Out / Tag-Out.” Approximately half of O&M staff who are part of the Dam Safety Program received Satellite Phone refresher training and was individually signed off by the Risk and Safety Manager while the rest will be signed off in January after the holidays. This training covered operational requirements, utilizing the DHS Government Emergency Telecommunications Services (GETS), and successfully demonstrating the ability to utilize a Satellite Phone (e.g., dialing an unlisted number and sending SMS text messages).
- Tailgate safety meetings were conducted at all individual O&M field locations and the topics included refresher training on equipment used at the various O & M locations.

**Agenda Item: 4.3 Monthly Operations and Maintenance Department Report**  
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**Attachment:** Operations Log for December