

AGENDA
ENGINEERING and OPERATIONS COMMITTEE
Thursday, June 2, 2022, at 9:00 a.m.
UNITED WATER CONSERVATION DISTRICT
Boardroom, 1701 N. Lombard Street, Oxnard CA 93030

Call to Order – Open Session
Committee Members roll call

1. Public Comment (Proposed Time: 5 minutes)

The public may comment on any matter not on the agenda within the jurisdiction of the Committee. All comments are subject to a five-minute time limit.

2. Approval of Minutes (Proposed Time: 5 minutes)

Motion

The Committee will review and consider approving the Minutes from the April 7, 2022 Engineering and Operations Committee meeting.

3. June 8, 2022 Board Meeting Motion Agenda Items

The Committee will review and discuss the following agenda items to be considered for approval at the June 8, 2022 Board meeting. The Committee will formulate a recommendation to the entire Board based on its discussions with staff. The Committee will discuss the following items:

3.1 Resolution 2022-28 A Resolution of the United Water Conservation District Board of Directors supporting the submission of the 2022 Groundwater Grant Program Implementation Round 3 application to the State Water Resources Control Board

(Engineering Department, Robert Richardson) (Proposed Time: 05 minutes)

The committee will review and consider recommending approval of Resolution 2022-28, supporting the submission of a 2022 Groundwater Grant Program Implementation Round 3 grant application to the State Water Resources Control Board, to the full Board.

3.2 Resolution 2022-27 Approving Adoption of the California Environmental Quality Act Notice of Exemption and the Approval of the Information Collection for the Proposed Extraction Barrier Brackish Water Project (Environmental Services Department, Randall McInvale) (Proposed Time: 05 minutes)

The committee will review and consider recommending approval of Resolution 2022-27, adopting the California Environmental Quality Act (CEQA) Notice of Exemption (NOE) for the Information Collection for the Proposed Extraction Barrier and Brackish Water Project, approving the project, and directing staff to file the NOE in accordance with CEQA, to the full Board.



3.3 Authorize the Supplemental Appropriation of Funds to Purchase a Replacement Pump for the Pumping Trough Pipeline Reservoir (Operations and Maintenance Department, Brian Collins) (Proposed Time: 5 Minutes)

The committee will review and consider recommending approval of the motion item, authorizing a supplemental appropriation in the amount of \$189,000 to support the unbudgeted purchase of a replacement pump and electrical motor for the Pumping Trough Pipeline Reservoir, to the full Board.

4. Project Highlights

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

4.2 Environmental Services Department Update (Environmental Services Department, Randall McInvale) (Proposed Time: 10 minutes)

4.3 Operations and Maintenance Department Update (Operations and Maintenance Department, Brian Collins) (Proposed Time: 10 minutes)

FUTURE AGENDA ITEMS

ADJOURNMENT

Directors:


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

Staff:


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

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) May 25, 2022

(time) 4:45 p.m.

(attest) Destiny Rubio

At: UWCD Headquarters, 1701 N. Lombard Street, Oxnard CA 93030

Posted: (date) May 25, 2022

(time) 5:00 p.m.

(attest) Destiny Rubio

At: www.unitedwater.org



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

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

MINUTES
ENGINEERING AND OPERATIONS
COMMITTEE MEETING
Thursday, April 7, 2022, 9:00 A.M.
Board Room, UWCD Headquarters
1701 N. Lombard Street, Oxnard CA 93030

COMMITTEE MEMBERS IN ATTENDANCE

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

STAFF IN ATTENDANCE

Dr. Maryam Bral, chief engineer
Brian Collins, chief operations officer
John Carman, operations and maintenance program supervisor
Anthony Emmert, assistant general manager
Tessa Lenz, associate environmental scientist
Randall McNivale, environmental scientist regulatory affairs
Craig Morgan, engineering manager
Josh Perez, chief human resources officer
Zachary Plummer, technology systems manager
Ambry Tibay, senior accountant
Brian Zahn, chief financial officer

PUBLIC IN ATTENDANCE (see attached)

Sam Collie, OPV Coalition

Call to Order – Open Session

Chair McFadden called the Committee to order at 9:01 a.m. All Committee members were present (Maulhardt, McFadden, Naumann)

1. Public Comments

Information Item

Chair McFadden 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 from the February 3, 2022, Engineering and Operations Committee meeting, Director Maulhardt; Second, Director Naumann. Voice vote: three ayes (Maulhardt, McFadden, Naumann). Motion carries unanimously 3/0.

3. Project Highlights

3.1 Engineering Department Monthly Update (see attached slides)

Dr. Bral made a presentation updating the Committee of the Engineering Departments activities during March, including updates on the Santa Felicia Dam Safety Improvement Project and the Hazard Mitigation Grant Program application. Director Maulhardt asked about the probability of receiving the grant funding. Dr. Bral stated that staff has had meetings with CalOES to discuss the elements of the sub application and to her this indicates that they are motivated to provide funding.

Dr. Bral also provided updates on the Sustainable Groundwater Management (SGM) grant program application. Director Naumann asked if the District will be using the same consultants as Pleasant Valley County Water District (PVCWD). Dr. Bral stated that PVCWD is using MKN and Associates, the District is using Kennedy Jenks Consultants. Director Naumann then asked if we plan to go over the bridge with hangers. Dr. Bral stated that staff is looking into it and considering several options. Director Naumann then asked about the length. Dr. Bral stated that United's portion is approximately 3,000 linear feet [LF], PVCWD's is about 5,000 LF.

Dr. Bral provided an overview of the recent activities and proposed location for the Extraction Barrier and Brackish water project (EBB Water). Director Maulhardt asked if the project will be on existing navy property or if it will be outside of the federal land. Dr. Bral stated that staff is asking for 11 acres. Director Naumann asked about the timing of the project. Dr. Bral stated that the goal is to start producing water by December 2027. She added, staff will have two years to build and have all the wells in place by 2025. Director Naumann asked if the Navy will be helping to test the Phase 1 water. Dr. Bral stated that this is being evaluated, because of the logistics, and the elevated Iron and Manganese in the extracted groundwater, transport to the Hueneme Base will change the quality of the water. Staff is looking into several options of having monitoring wells at Point Mugu and a pilot scale treatment as part of Phase 1.

Dr. Bral also included a progress update on the Rice Avenue Grade Separation project and the Department of Transportation's offer to purchase United's parcel for \$1,000 because they identified hazardous materials. She stated that she had a conversation with CalTrans right of way department and she rejected executing the agreement and stated that the parcel and the issue related to the cost of the 30" inch pipeline reconstruction need to be considered at the same time. Director McFadden asked what the hazardous material is. Dr. Bral stated it is derivatives of DDT.

3.2 Environmental Services Department Monthly Update (see attached slides)

Associate Environmental Scientist Tessa Lenz addressed the Committee, offering departmental updates which included the March storm, a pre-implementation study for middle Piru creek, the California Endangered Species Act petition listing, and the Freeman Sediment Management Project.

She then provided a 15-minute key highlight on the Historical Properties Management Plan (HPMP) which is a FERC requirement. She stated that the HPMP is a plan that covers routine operations and maintenance activities and ensures that the activities are protective of cultural and historical resources. She added, the HPMP has been submitted to FERC, and awaits final approval.

3.3 Operations and Maintenance Department Monthly Update (see attached slides)

Chief Operations Officer Brian Collins made a presentation updating the Committee of the Operations and Maintenance Departments activities during March. Director Naumann asked if there is a better process for cleaning the screens at the Freeman Diversion. Mr. Collins stated that staff is considering traveling screens to move up and lift debris out of the water.

Mr. Collins stated that cameras were installed at the El Rio facility. Director Naumann asked if there are cameras at Saticoy. Mr. Collins stated that staff is looking to add new cameras and upgrade the safety and security at the facility, there have been incidents with the homeless and staff recognizes that security needs to be reinforced. Mr. Collins also shared a video on the recent modeling efforts with the University of Iowa.

Director Maulhardt expressed concern over a potential safety problem and asked that staff evaluate current procedures. Mr. Collins stated he understood the concern and that he will review and report back to the committee.

4. Future Agenda Topics

None were offered

The Committee members recommended staff to present updates on grant awards, EBB Water, the HPMP and progress on the physical modeling, to the full Board.

ADJOURNMENT 10:35a.m.

Chair McFadden adjourned the meeting at 10:35a.m.

I certify that the above is a true and correct copy of the minutes of the Engineering and Operations Committee Meeting of April 7, 2022.

ATTEST: _____
Edwin T. McFadden III, Chair



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

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

ATTENDANCE LIST

MEETING DATE: Thursday, April 7, 2022 at 9:00 am

MEETING: UWCD Engineering and Operations Committee Meeting

The signing or registering of your name on this sign-up form is not required but is voluntary. All persons may attend the meetings of the Board of Directors of United Water Conservation District without signing or registering their names on this form.

Name (Please Print)

Sam Collie

Representing

OPU Coalition



ENGINEERING DEPARTMENT MONTHLY UPDATE

April 7, 2022



Santa Felicia Dam Safety Improvement Project Outlet Works Design



March 15 - ENG and OPS attended a design workshop with GEL to discuss the new Outlet Works design components

April 6 - ENG and OPS visited San Vicente and Olivenhain dams in San Diego



Santa Felicia Dam Safety Improvement Project Grant Application Activities

Hazard Mitigation Grant Program – Requested Funding \$51M


January 7 United’s NOI for HMGP funding approved by CalOES and staff invited to submit full sub-application

April 8 HMGP sub-application will be submitted to CalOES

Prepare CA Match Grant Program – Requested Funding \$17M

February 8 PrepareCA Match Grant Program - Separate program to cover the 25% local match for the HMGP. District updated NOI to apply for this funding

Total Project Cost for Outlet works: \$68M (incl. design and construction)



3

Santa Felicia Dam Safety Improvement Project

Technical Assistance with Agencies

January 27 NMFS comment letter on 30% fish screen design TM

February 4 Comments reviewed by Staff and Consultants


March 10 30% channel design TM submitted to NMFS by FERC


March 29 Submittal of 30% Channel Design TM to CDFW pending

Part 12D IC Coordination

March 10 Received Part 12D IC Dam Inspection Proposals


March 22 Notice of Award to Gannett Fleming as the Part 12D IC






4


PTP Meter Replacement Project



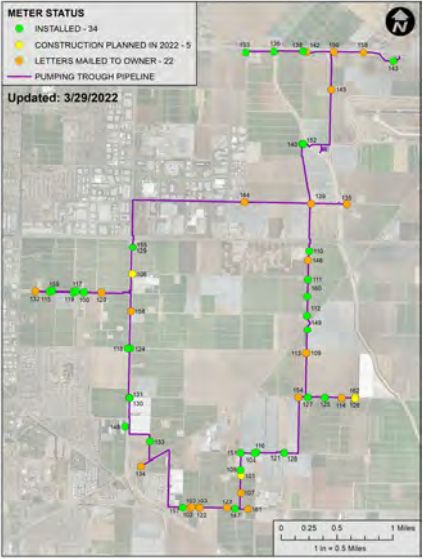
All updated easement documents have been sent to the property owners.



Hamner, Jewell and Associates will begin making contact with all owners who have not currently signed an easement deed.



Requesting grant deadline (October 31, 2022) extension from DWR.



5

Laguna Road Recycled Water Project

February 24

March 1

March 16


March 31

Preliminary design kick-off meeting with Kennedy Jenks

Coordination meeting with Pleasant Valley County Water District

Geotechnical kick-off meeting. Subsurface exploration program including four borings (10-50 ft deep) along proposed pipeline route.

ENG staff met with the landowner on Laguna Rd (Mr. Paul Debuschere) to discuss property access for survey and geotechnical exploration.



6

3

Extraction Barrier and Brackish Water Project

- Site Tour on February 10, 2022
- Five (5) Extraction Well Sites Selected for Phase 1
- Received draft CEQA IS for review on March 28, 2022

7

Treatment Plant Location

Survey Area

Phase 1 Extraction Wells

Pipelines (Main Street Alignment)

Pipelines (Las Posas Road Alignment)

Proposed Phase 1 Project

8

OH System Backup Generator Project

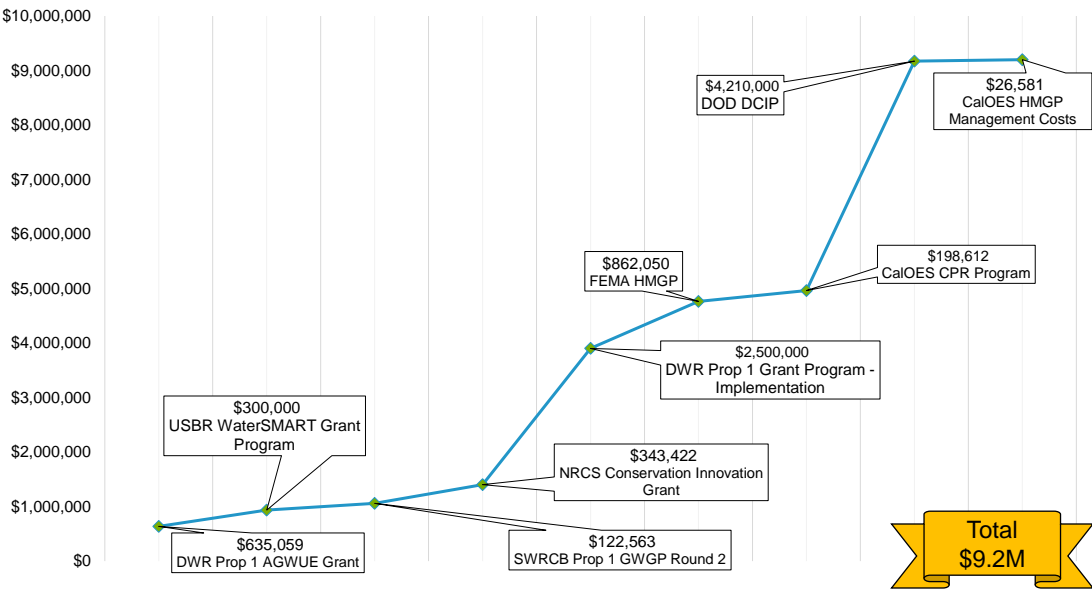


- February 10 **Successful** functional test of electrical equipment
- February 25 Completion of construction contract with Oilfield
- March 7 \$26,500 grant award from CalOES for covering grant management costs
- March 14 Submitted CalOES HMGP compliance assessment
- April 25 Submit grant close-out documents to CalOES

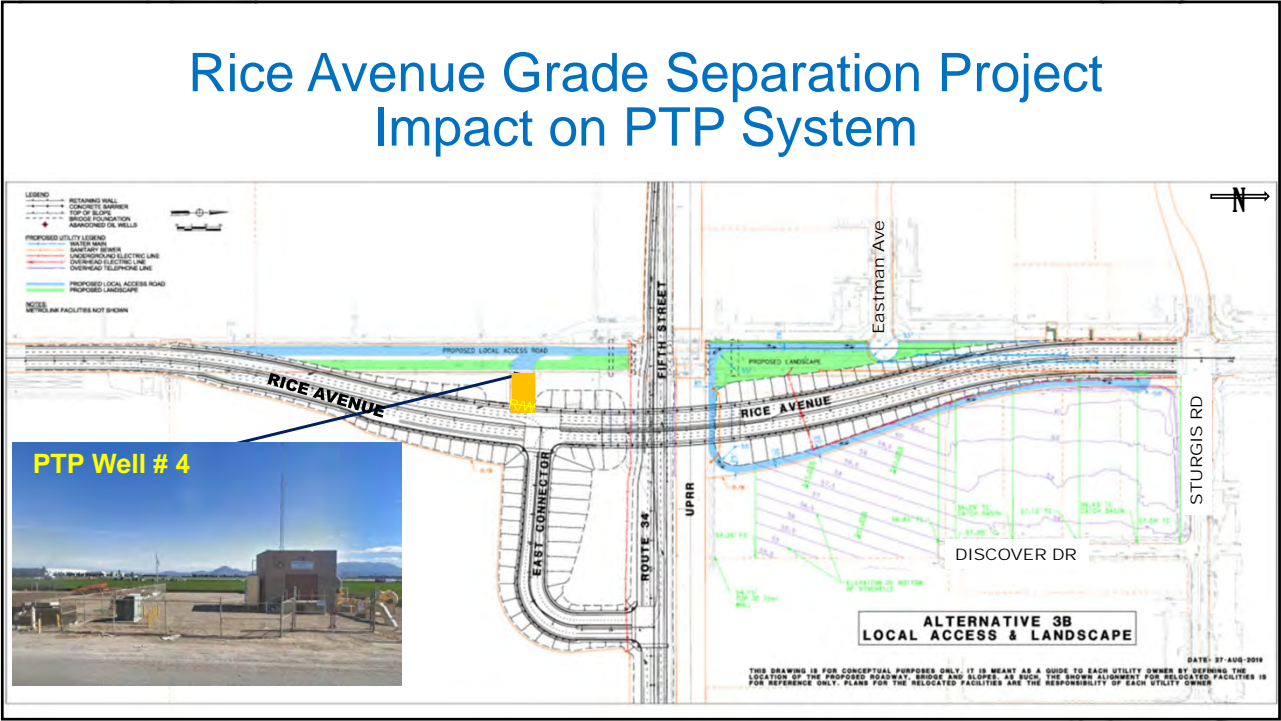


9

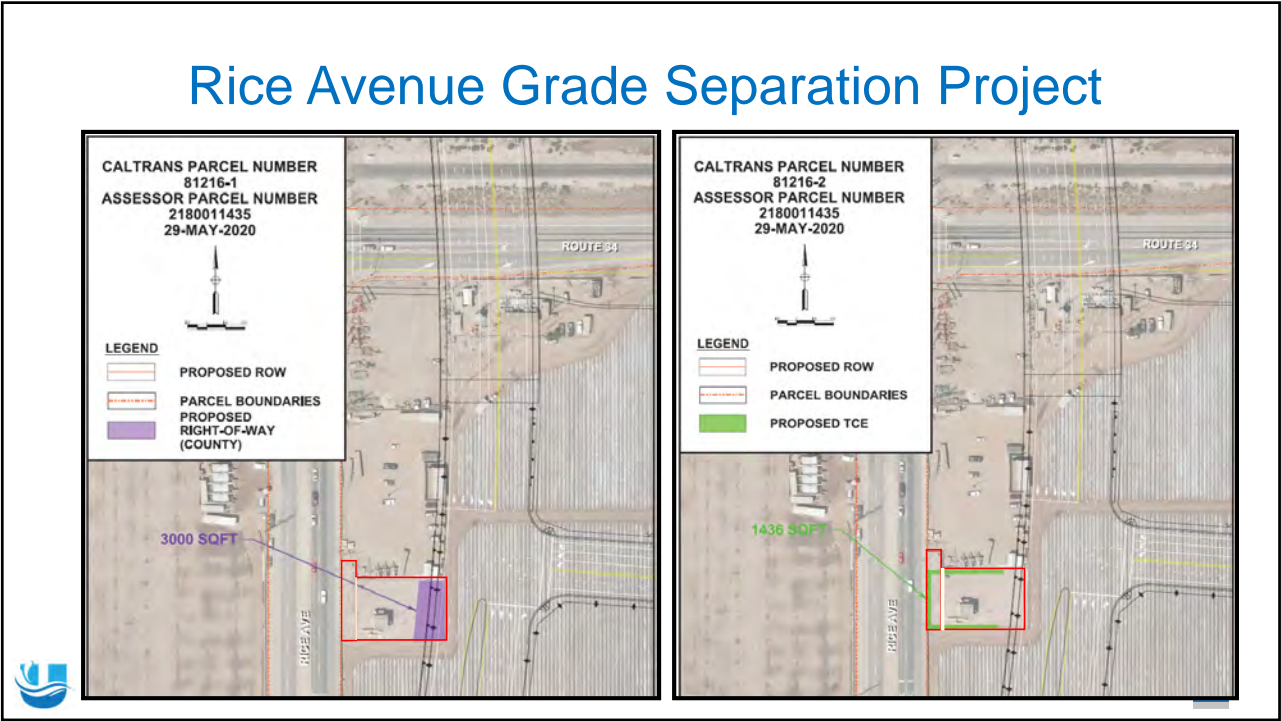
Grant Funding Total



10



11



12

Rice Avenue Grade Separation Project

- DOT offer letter for purchase of 4,436 sf of PTP Well Site #4 parcel for the Project

Parcel No.		Appraised Value
81216-1	3,000 sqft, permanent easement	\$5,430
81216-2	1,436 sqft, TCE	\$ 846
Total Value		\$6,276
Soil Remediation Costs:		\$220,856
Total Fair Market Value – after remediation		\$0
DOT offer for land purchase		\$1,000



QUESTIONS





ENVIRONMENTAL SERVICES MONTHLY UPDATE

April 7, 2022



Department Updates

- Late March storm did not trigger Freeman fish ladder operations
- Middle Piru Creek Pre-implementation Study
- Fish and Game Commission - CESA Petition Proceedings
- Freeman Sediment Management Project

Key Highlight

- Santa Felicia Project Historic Properties Management Plan - FERC





Historic Properties Management Plan (HPMP)


Associate Environmental Scientist Tessa Lenz







Outline

- I. Purpose and Background
- II. Document Development
- III. Plan Boundary
- IV. Plan Obligations
- V. Implementation

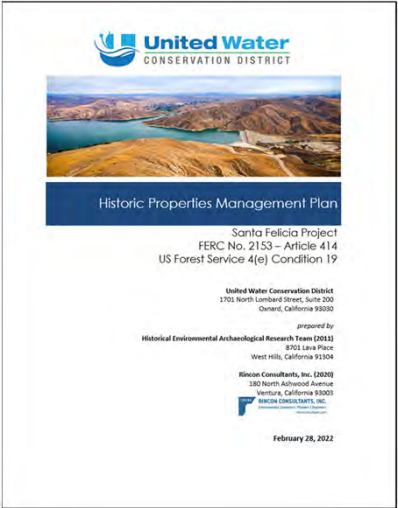







HPMP Purpose

- Compliance with FERC License Article 414 and Condition 19 of USFS's 4(e) Terms and Conditions
- Protect and Preserve Cultural and Historical Resources within the FERC Boundary





5

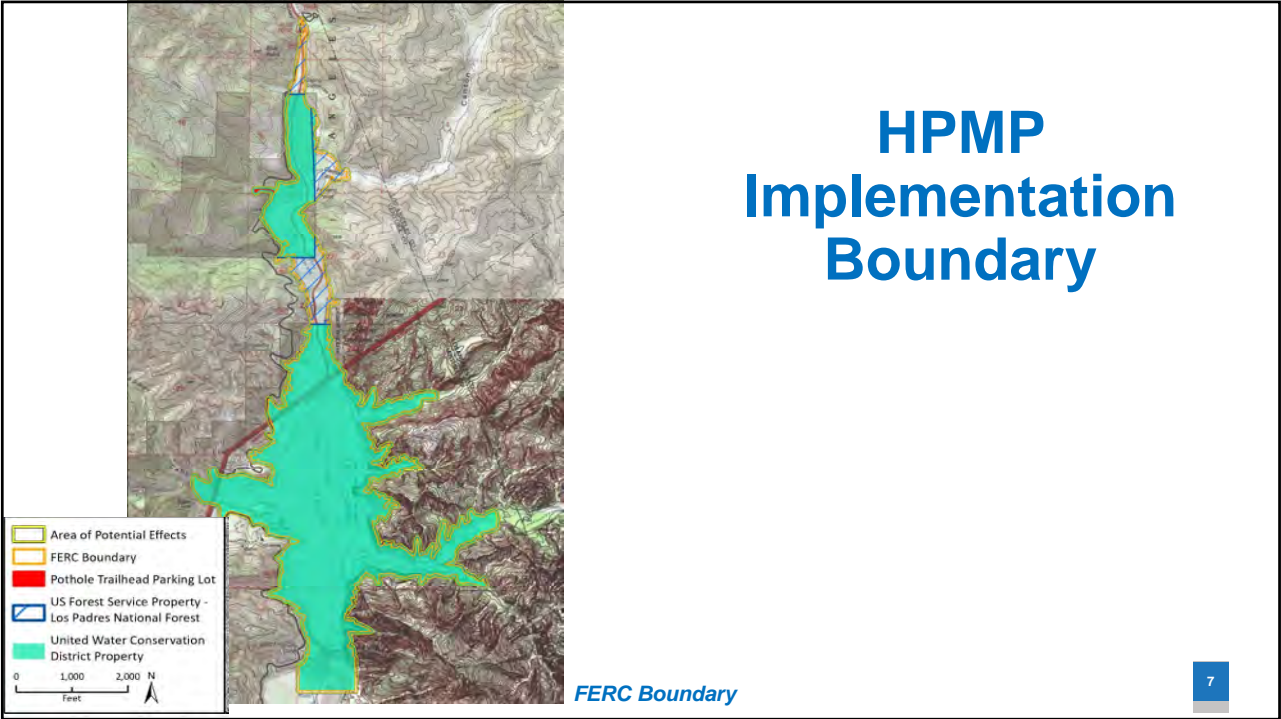
Agency Consultations

- Federal Energy Regulatory Commission
- State Historic Preservation Office
- Fernand o Tataviam Band of Mission Indians
- Santa Ynez Band of Chumash Indians
- U.S. Forest Service
 - Los Padres National Forest
 - Angeles National Forest





6



7

Historical Facilities

Santa Felicia Dam

- Association with water conservation efforts in the Santa Clara River Valley.
- First dam built in California to store water specifically for recharge purposes.
- Post-tension concrete spillway bridge was the longest in the world at the time it was built.

8

Routine Operation and Maintenance Activities	
Exempt Activities	Screened Activities
Routine road maintenance and resurfacing	Santa Felicia Dam facility in-kind repair and replacement
Non ground disturbing routine operation and maintenance	Ground disturbance greater than 2 feet in undisturbed areas
Vegetation management activities	Vegetation management activities
In-kind repair and replacement for non-historical recreation facilities	Historical in-kind repair and replacement
Limited Disturbance/ No potential effect	Project facility upgrades and improvements
SFD Inspections	
Project emergencies	



Cultural Resources Mitigation Measures




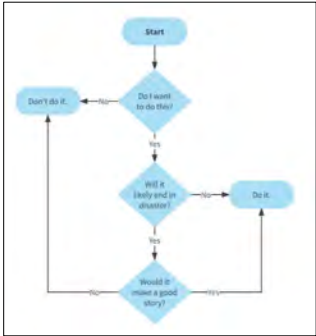

- Worker Environmental Awareness Programs
- Cultural Resources and Tribal Monitoring and Reporting
- Post-Review Discovery Procedures
- Treatment of Human Remains
- Standard Avoidance and Protection Measures



Implementation

Quick Reference Guides

- Easy implementation
- Minimize burdensome obligations on District staff



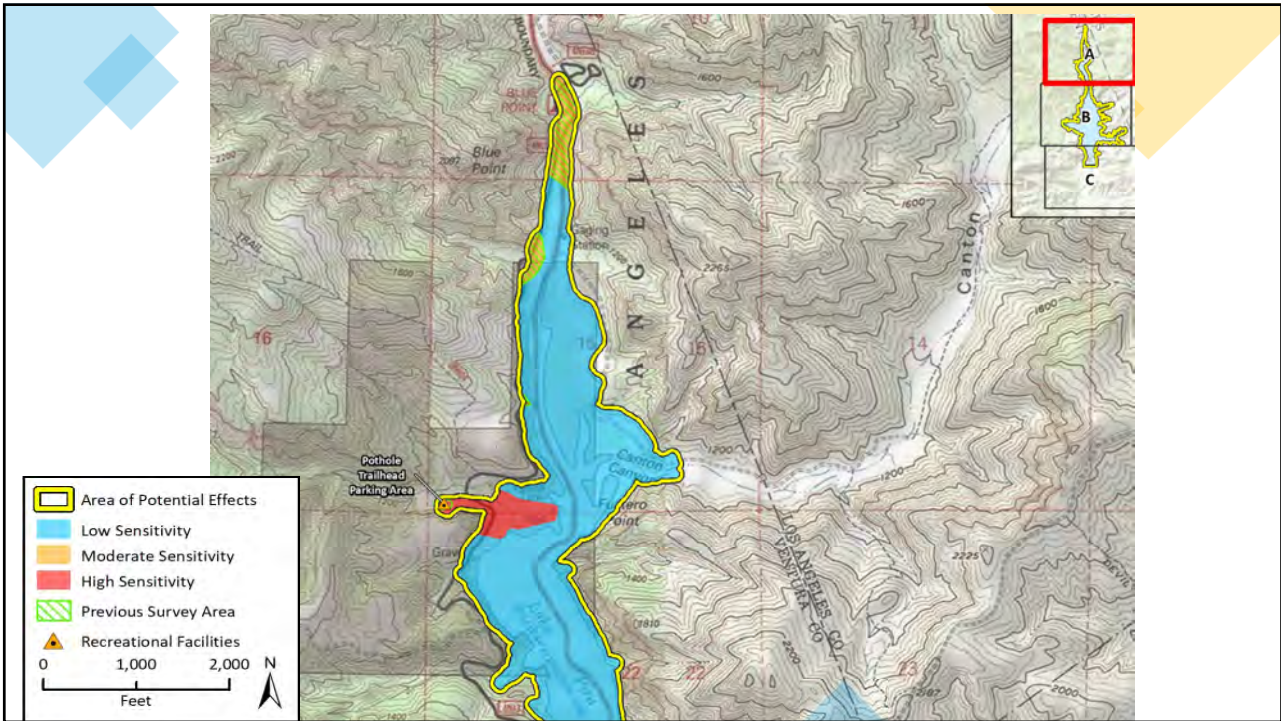
11

QUESTIONS

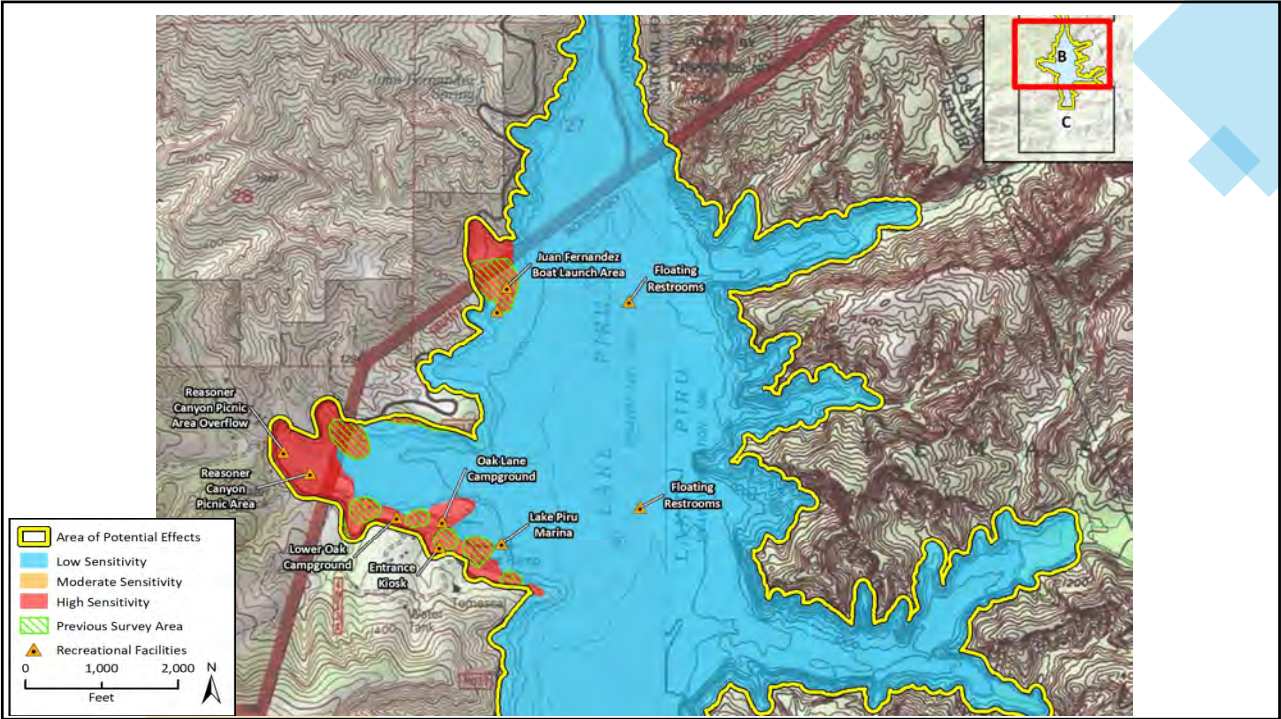
Extra Slides for Questions



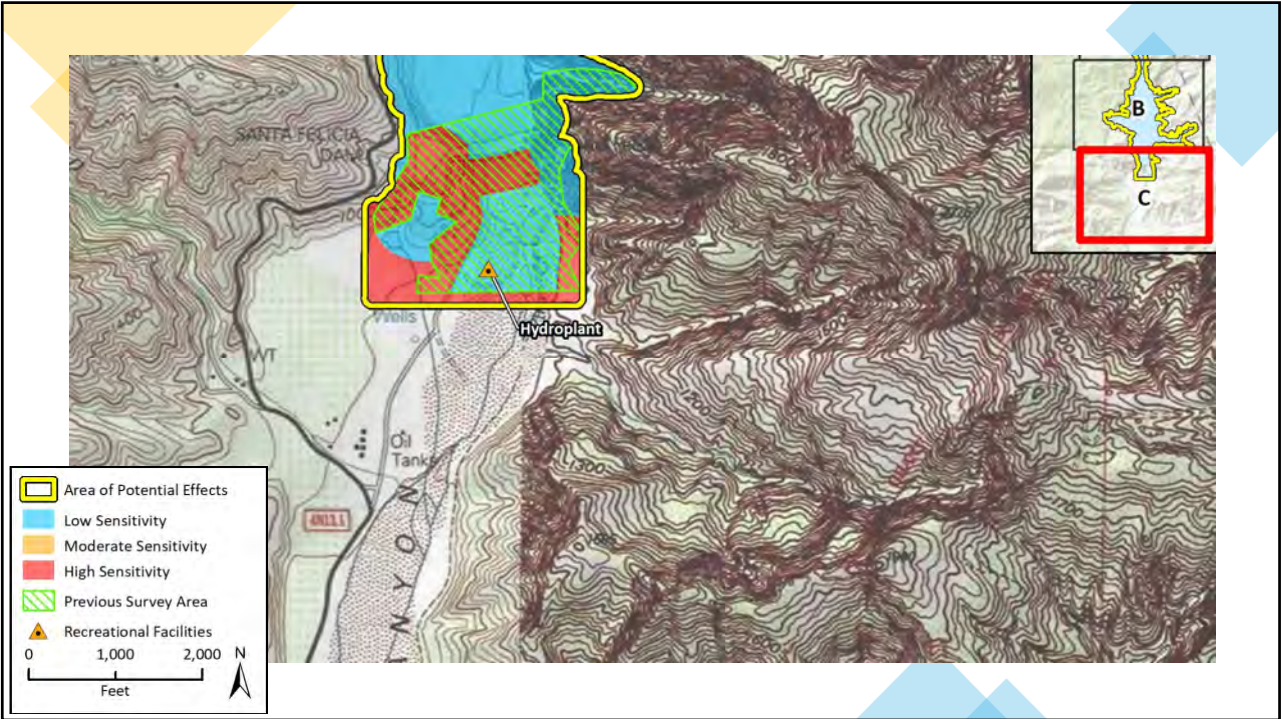
13



14



15



16



OPERATIONS AND MAINTENANCE DEPARTMENT UPDATE

April 7, 2022



SANTA FELICIA DAM

VCFD URBAN SEARCH AND RESCUE





2

FREEMAN DIVERSION

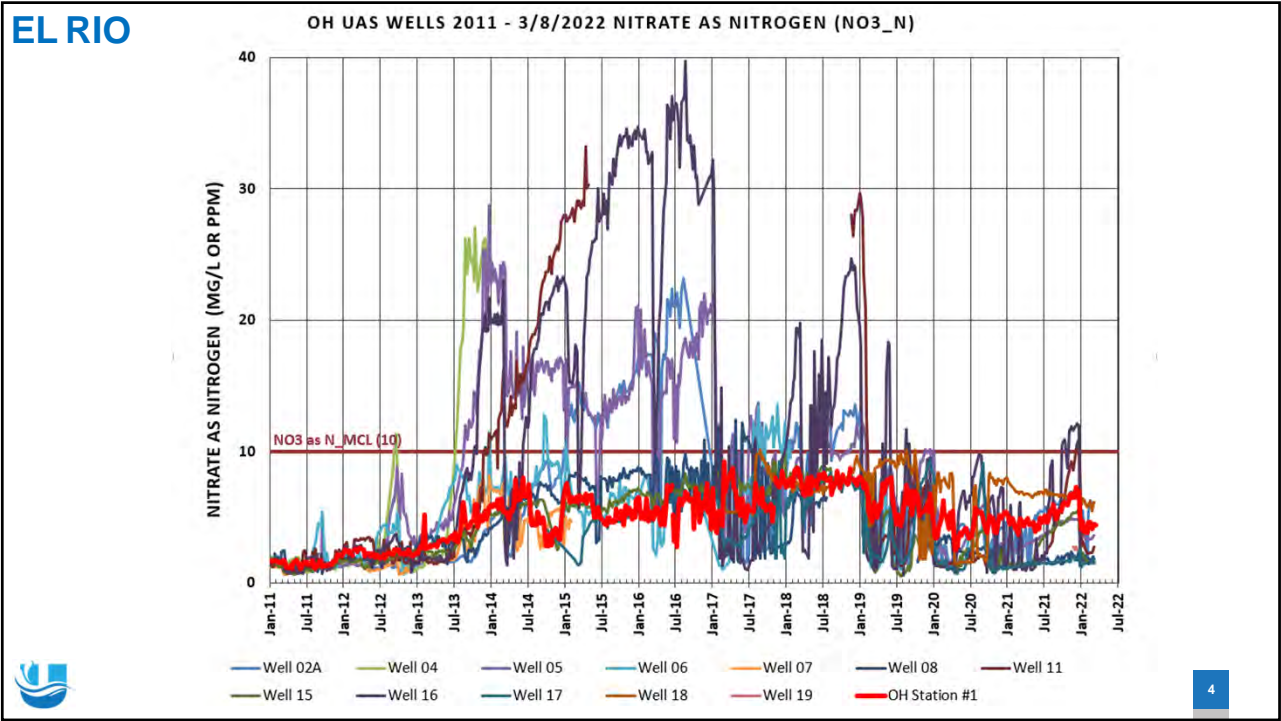
3/28/22 RAIN EVENT





3



3




4

OH Wells

OH #19 Curbing - OH #12 Check Valve





5

5

ELECTRICAL & INSTRUMENTATION



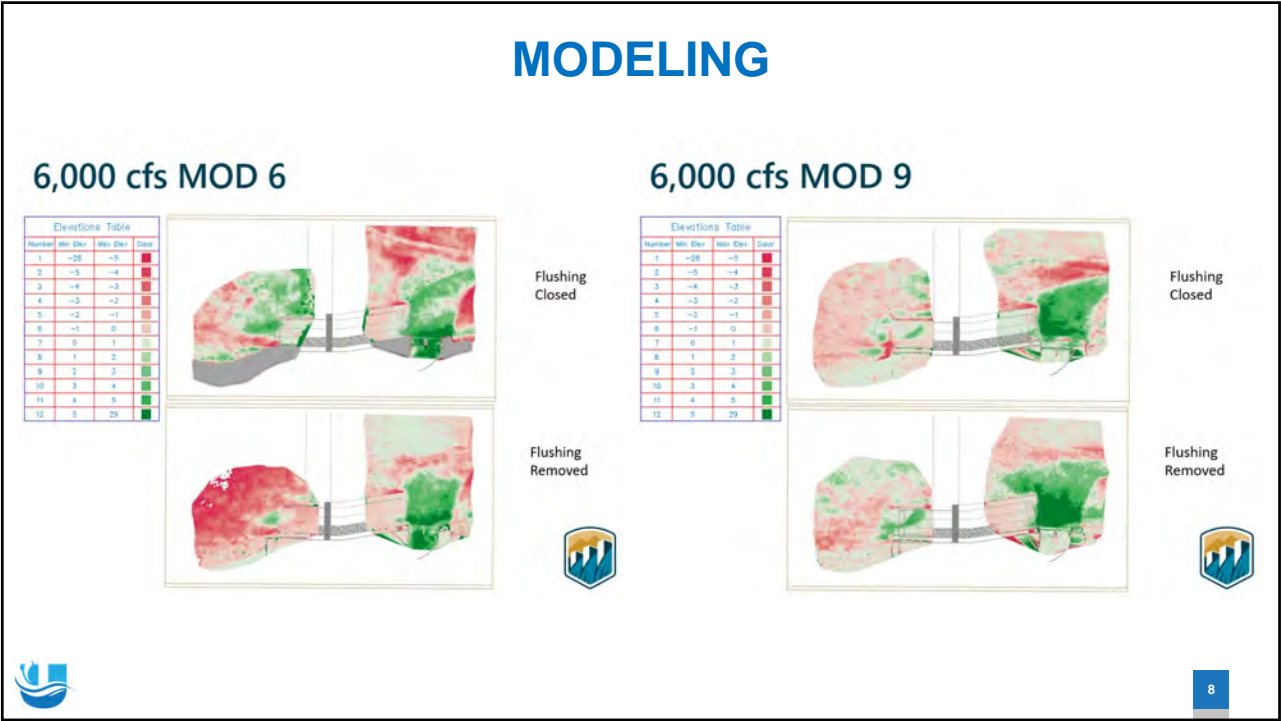


6

6



7



8



9

QUESTIONS?





Staff Report

To: Engineering and Operations Committee

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

From: Maryam Bral, Chief Engineer

Date: May 23, 2022 (June 2, 2022 Committee Meeting)

Agenda Item: 3.1 **Resolution 2022-28** A Resolution of the United Water Conservation District Board of Directors supporting the submission of the 2022 Groundwater Grant Program Implementation Round 3 application to the State Water Resources Control Board
Motion

Staff Recommendation:

The Engineering and Operations Committee will consider recommending approval of Resolution 2022-28, supporting the submission of a 2022 Groundwater Grant Program Implementation Round 3 grant application to the State Water Resources Control Board, to the full Board.

Background:

As part of the Proposition 1 Groundwater Sustainability Program, the State Water Resources Control Board (SWRCB) has made \$670 million available under the Groundwater Grant Program (GWGP) for projects that prevent the spread of contamination in an aquifer that serves as a source of drinking water.

Discussion:

United has been actively working on the Proposition 1 Round 3 – Implementation grant application since 2021. The initial application opened on July 6, 2021. The District submitted a concept proposal for the Phase 1 Pumping of Coastal Brackish Groundwater Wells to Control Seawater Intrusion, Oxnard Basin (Project) or what is referred to as the initial phase of the Extraction Barrier and Brackish (EBB) Water Treatment Project by the September 7, 2021 deadline. On April 14, 2022, Staff received an invitation from the SWRCB to submit a full proposal for the Project by the July 15, 2022 deadline.

As part of the grant application, United has requested \$4.22 million to cover 50 percent of the total Project cost to include installation of up to four (4) extraction wells and up to five (5) new monitoring wells to be located at Naval Base Ventura County Point Mugu. Projects awarded funding under this grant funding program must be fully implemented by 2025.

Agenda Item 3.1 Resolution 2022-28 A Resolution of the United Water Conservation District Board of Directors supporting the submission of the 2022 Groundwater Grant Program Implementation Round 3 application to the State Water Resources Control Board
Motion

Fiscal Impact:

There is no impact to the budget in this Fiscal Year. The project cost is included in the upcoming FY 2022-23 CIP Budget.

Attachments:

Attachment A – Resolution 2022-28

RESOLUTION 2022-28

**A RESOLUTION OF THE UNITED WATER CONSERVATION DISTRICT
AUTHORIZING ENTERING INTO A FUNDING AGREEMENT WITH THE STATE
WATER RESOURCES CONTROL BOARD AND AUTHORIZING AND
DESIGNATING UNITED WATER CONSERVATION DISTRICT'S GENERAL
MANAGER FOR THE PHASE 1 PUMPING OF COASTAL BRACKISH
GROUNDWATER WELLS TO CONTROL SEAWATER INTRUSION, OXNARD
BASIN PROJECT**

WHEREAS, United Water Conservation District has submitted an application to the State Water Resources Control Board for funding for the Phase 1 Pumping of Coastal Brackish Groundwater Wells to Control Seawater Intrusion, Oxnard Basin Project that includes installation of brackish groundwater extractions wells, monitoring wells, raw water pipelines and temporary points of discharge ("Project"); and

WHEREAS, prior to the State Water Resources Control Board's executing a funding agreement, United Water Conservation District is required to adopt a resolution authorizing an agent, or representative, to sign the funding agreement, amendments, and requests for disbursement on behalf of United Water Conservation District, and to carry out other necessary Project-related activities;

NOW, THEREFORE, BE IT RESOLVED AND ORDERED, that United Water Conservation District is hereby authorized to enter into a funding agreement with the State Water Resources Control Board, and accept and expend state funds for the Project; and

BE IT FURTHER RESOLVED AND ORDERED, that the General Manager, or designee, is hereby authorized and designated to sign, for and on behalf of United Water Conservation District, the funding agreement for the Project and any amendments thereto; and

BE IT FURTHER RESOLVED AND ORDERED, that the General Manager, or designee, is hereby authorized and designated to represent United Water Conservation District in carrying out United Water Conservation District's responsibilities under the funding agreement, including certifying invoices and disbursement requests for Project costs on behalf of United Water Conservation District and compliance with applicable state and federal laws; and

BE IT FURTHER RESOLVED AND ORDERED, that any and all actions, whether previously or subsequently taken by United Water Conservation District, which are consistent with the intent and purposes of the foregoing resolution, shall be, and hereby are, in all respects, ratified, approved and confirmed.

ADOPTED AND PASSED this 8th day of June 2022.

ATTEST: _____
Bruce E. Dandy, Board President

ATTEST: _____
Lynn E. Maulhardt, Board Secretary/Treasurer

CERTIFICATION

I HEREBY CERTIFY THAT THE FOREGOING IS A FULL, TRUE, AND CORRECT COPY OF A RESOLUTION DULY AND REGULARLY ADOPTED BY THE UNITED WATER CONSERVATION DISTRICT'S GOVERNING BOARD AT THE MEETING THEREOF HELD ON JUNE 8TH, 2022.

AYES: _____

NOES: _____

ABSTAINED: _____

ABSENT: _____

ATTEST: _____
Bruce E. Dandy, Board President

ATTEST: _____
Lynn E. Maulhardt, Board Secretary/Treasurer



Staff Report

To: Engineering and Operations Committee

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

From: Randall McInvale, Environmental Scientist-Regulatory Affairs Specialist

Date: May 23, 2022 (June 2, 2022 Committee Meeting)

Agenda Item: 3.2 **Resolution 2022-27** **Approving Adoption of the California Environmental Quality Act Notice of Exemption and the Approval of the Information Collection for the Proposed Extraction Barrier and Brackish Water Project Motion**

Staff Recommendation:

The Engineering and Operations Committee will consider recommending approval of Resolution 2022-27, adopting the California Environmental Quality Act (CEQA) Notice of Exemption (NOE) for the Information Collection for the Proposed Extraction Barrier and Brackish Water Project (Project), approving the Project, and directing staff to file the NOE in accordance with CEQA, to the full Board.

Discussion:

The District is the lead agency for the Project under CEQA. The proposed Project consists of surveys, data collection, and monitoring well installation which do not result in a serious or major disturbance to an environmental resource. The Project is categorically exempt from review under CEQA pursuant the California Code of Regulations (CCR) Section 15306 "Information Collection" Class 6. The District has reviewed and has determined that none of the exceptions to categorical exemption set forth in CCR Section 15300.2 apply.

Mission Goal:

Meets mission-related Goal B (System Reliability) and Goal C (Regulatory & Environmental Compliance).

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 051-400-81080; 8019-825.

Attachments:

Attachment A – Resolution 2022-27
Attachment B – Notice of Exemption

RESOLUTION 2022-27

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE UNITED WATER CONSERVATION DISTRICT IN ACCORDANCE WITH THE CALIFORNIA ENVIRONMENTAL QUALITY ACT, APPROVING ADOPTION OF A NOTICE OF EXEMPTION AND APPROVAL OF THE INFORMATION COLLECTION FOR THE PROPOSED EXTRACTION BARRIER AND BRACKISH WATER PROJECT

WHEREAS, the United Water Conservation District (“District”) intends to perform land surveys, geophysical surveys, geotechnical surveys, technical information collection, and install up to six new monitoring wells at Naval Base Ventura County (“NBVC”) Point Mugu (“Project”); and

WHEREAS, the Project will be performed at various locations at NBVC Point Mugu within the overall Project footprint; and

WHEREAS, the District has reviewed the proposed Project and has determined that it is categorically exempt from the provisions of the California Environmental Quality Act (“CEQA”) pursuant to the Class 6, Information Collection, categorical exemption under State CEQA Guidelines Section 15306 because the proposed Project involves basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource; and

WHEREAS, under CEQA Guidelines Section 15300.2, a project exempt under Class 6 that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. Therefore, a Class 6 exemption would apply except where the project may impact on an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies; and

WHEREAS, as a result of the Project’s design features, no impact will occur on an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies; and

WHEREAS, the District 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.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE UNITED WATER CONSERVATION DISTRICT AS FOLLOWS:

1. The District Board of Directors hereby finds that approval of the Project is not subject to environmental review under CEQA (Pub. Resources Code, § 21000 et seq.) and the State CEQA Guidelines (Cal. Code Regs., tit. 14, § 15000 et seq.), on grounds that the Project is categorically exempt. Specifically, the Board of Directors finds that the Project is categorically exempt pursuant the Class 6, Information Collection exemption (State CEQA Guidelines, § 15306).
2. The District's Board of Directors hereby finds and determines that none of the exceptions to categorical exemption set forth in State CEQA Guidelines Section 15300.2 apply.
3. The District's Board of Directors hereby approves the Project and authorizes its implementation when deemed appropriate by the General Manager.
4. The Board hereby authorizes and directs the District's Environmental Services Manager to file a Notice of Exemption ("NOE") for the Project in accordance with CEQA.
5. The foregoing recitals are true and correct and incorporated herein as if fully set forth.

PASSED, APPROVED AND ADOPTED this 8th day of June 2022.

ATTEST: _____
Bruce E. Dandy, Board President

ATTEST: _____
Lynn E. Maulhardt, Board Secretary/Treasurer

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: Information Collection for the Proposed Extraction Barrier and Brackish Water Project

Project Location: Naval Base Ventura County Point Mugu, Ventura County, California

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 implement the Information Collection for the Proposed Extraction Barrier and Brackish Water Project (Project), which will consist of land surveying, geotechnical exploration and technical information collection through hydrogeology, environmental (e.g., biological, cultural, paleontological), engineering, underground utility location and marking, and traffic control site surveys. Information collection may include additional specialists/ consultants and contractors; however, in any case, the surveys will involve no disturbances beyond these non-invasive components. The Project will also involve the construction of up to six (6) nests or clusters of up to four (4) monitoring wells each at Naval Base Ventura County (NBVC) Point Mugu to collect groundwater quality and level data in the semi-perched aquifer (up to 150 feet deep) and Oxnard aquifer (up to 250 feet deep) and may include deeper completions in the Mugu aquifer (up to 350 feet deep) or Fox Canyon aquifer (up to 800 feet deep). The monitoring wells will support groundwater sampling to document constituents in the unconfined and confined (target) aquifers in the Project area and create a groundwater quality baseline for comparison with future groundwater sampling results. The new monitoring wells are intended to confirm isolation of the waters of the semi-perched aquifer from the underlying confined aquifers under pumping conditions. Monitoring wells will be equipped with pressure transducers and data loggers. The timing of monitoring well installation will be between May 24 and November 7, 2023. Once installed, monitoring wells will be sampled on a routine basis.

The Project will also include geophysical and geotechnical investigations, which will be informed by the data collected during monitoring well installation. The technique and transect locations are currently undetermined but will likely involve electrical resistivity

techniques. Seismic reflection will likely not be a good option, but specific investigation methods will be determined with data collected during monitoring well drilling. Some minor ground disturbing activities will likely be needed in order to implement the geophysical study; however, these activities will occur in disturbed areas associated with NBVC Point Mugu.

Geotechnical exploration borings will be advanced using a hollow-stem auger. Soil samples will be collected using the Standard Penetration Test (SPT) and Modified California samplers. Some borings may be completed as temporary groundwater monitoring wells in the shallow perched aquifer zone. Borings in undeveloped areas will be backfilled with bentonite grout to within about 5 feet of the ground surface. Clean soil or gravel will be used to complete the borings to the surface. Borings in pavement areas will be patched with rapid-set concrete dyed black. Excess soil and water removed from the borings will be containerized in 55-gallon DOT drums. The drums cannot be transported until the contents are tested for off-hauling and disposal. Drums will be staged in an area agreeable to the Navy. Test pits may be excavated and sampled for characterization of shallow soils. Existing utilities in the area will be marked. Traffic control will be provided as needed. The timing of geotechnical exploration will be between December 7, 2022 and May 24, 2023.

The Project will incorporate best management practices (BMPs) designed to avoid impacts to sensitive natural resources in the vicinity. The BMPs include guidelines for Project implementation such as seasonal timing of work, delineating work and access boundaries, and maintaining a high level of environmental awareness through biological monitoring and worker environmental awareness training.

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. State type and section number: Class 6, Section 15306 – Information Collection
 - ☐ Statutory Exemptions
-

Reasons Why Project is Exempt: The Project is categorically exempt pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15306 *Information Collection* (Class 6). Section 15306 *Information Collection* consists of basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource. The Project will not result in a serious or major disturbance to an environmental resource. Therefore, the *Information Collection* exemption is applicable.

Under CEQA Guidelines Section 15300.2, a project exempt under Class 6 that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. The District has determined that none of the exceptions to categorical exemption set forth in CEQA Guidelines Section 15300.2 would apply.

Lead Agency Contact Person: Linda Purpus, Environmental Services Manager
Telephone: 805-525-4431
Email: lindap@unitedwater.org

Linda Purpus
Environmental Services Manager, United

Date

Date OPR received for filing: _____



Staff Report

To: Engineering and Operations Committee

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

From: Brian Collins, Chief Operations Officer

Date: May 23, 2022 (June 2, 2022 Committee Meeting)

Agenda Item: **3.3 Authorize the Supplemental Appropriation of Funds to Purchase a Replacement Pump for the Pumping Trough Pipeline (PTP) Reservoir**
Motion

Staff Recommendation:

The Engineering and Operations Committee will consider recommending approval of the motion item, authorizing a supplemental appropriation in the amount of \$189,000 to support the unbudgeted purchase of a replacement pump and electrical motor for the Pumping Trough Pipeline (PTP) Reservoir, which includes a 10% contingency, to the full Board.

Background:

Recently, after Southern California Edison performed an efficiency test on the PTP Reservoir Pump, the pump's efficiency was rated at 50 percent, which is considered to be below normal. In addition, the pump continues to operate with excessive vibration, an indication of continuing decline in efficiency and potential impending catastrophic failure of the pump. With ongoing drought conditions compounded by the increasing heat of summer and increased demand, staff is recommending replacement of the pump now to offset further problems and delays in service down the road.

It should be noted that the five wells that supply the PTP Reservoir produce +/- 20 cfs and the PTP Reservoir produces +/-20 cfs.

Fiscal Impact:

This proposed expenditure was not budgeted in the Fiscal Year 2021-2022 Budget and will require a supplemental appropriation from the PTP Fund reserves in the amount of approximately \$189,000, which includes a 10% contingency. At present, the PTP Fund has reserves of some \$990,000 (with a required reserve of \$200,000 to \$300,000).

Attachment:

Attachment A – General Pump Company estimate for parts and labor to furnish and install the replacement pump on the PTP Reservoir

Attachment B – Demaria Electric estimate for a new electrical motor



159 N. ACACIA STREET * SAN DIMAS, CA 91773
PHONE: (909) 599-9606 * FAX: (909) 599-6238

CAMARILLO, CA 93010 * PHONE: (805) 482-1215
www.genpump.com

WELL & PUMP SERVICE SINCE 1952

Lic. #496765

Serving Southern California and Central Coast

May 18, 2022

United Water Conservation District
3561 N. Rose Avenue
Oxnard, California 93030

Attn: Robert Barone, John Carman

Subject: PTP Booster #1 Replacement

General Pump Company (GPC) is pleased to provide this proposal to furnish and install a replacement pump for the referenced project that will increase the flow to 9,000 GPM and maximize the 250 HP motor at the site.

We have chosen a Peerless pump and have attached design specifications to this proposal. The NPSH will be 4' lower than 18HH original pump at 23' and the Submergence will be 10" more than the 18HH. at 76". So, this pump should perform admirably in the existing can system

The pump replacement estimate as follows:

Shop/Machine Time:

- | | | |
|---|----------|----------|
| • Load-Unload materials and equipment as needed. | | 30 Hours |
| • Assemble equipment and prepare for installation | | 40 Hours |
| • Engineering support | 10 Hours | Included |

70 Hours Total Estimated Shop Labor @ \$114.00/Hour ***\$7,980.00***

Field Labor – Pump Removal:

- Mobilize crew and equipment to site, set up rig, remove pump equipment, load pump and transport to shop for inspection and report of condition and install replacement pump.
- Overtime/man hour >8 weekdays and Saturdays up to 8 hours

30 Hours 3 Man Crew and equipment @ \$595.00/Hour	\$17,850.00
4 Hours 2 Man Crew and service truck @ \$300.00/ Hour	\$1,200.00

Total Estimated Field Labor ***\$19,050.00***



Pump Equipment Repair/Replacement/Upgrades:

- Peerless 20HH/LC-1 Stage 9,000 GPM at 92' TDH Bowl assembly with Vortex Suppressor \$34,745.00
- 15-foot setting of 20" flanged column & 2-3/16" Stainless-steel assemblies with ID/OD epoxy coating and 20" X 20" X 20" Fabricated replacement steel head with ID Coating complete with Head-shaft and adjusting nut materials for installation \$60,595.00
- Bolting and gasket kit, Motor oil and field consumables, electrical components to connect motor leads miscellaneous consumables including fittings, tape, banding etc. \$6,047.00
- Estimated Freight \$5,071.00
- Tax on Materials \$7,718.13

Total Estimated Labor & Materials for Pump Replacement **\$114,175.13**

Total Proposal as Detailed Above **\$141,205.13**

Should you have any questions or need additional information regarding the above summary and associated costs, please do not hesitate to contact us.

Sincerely,

Ray Reece

General Manager

See additional file attachment for pump design information



DEMARIA ELECTRIC MOTOR SERVICES, INC.

7048 Marcelle Street, Paramount, CA 90723

(562) 663-9000

Fax (562) 663-9100

January 14, 2022

Mr. Robert Barone
Instrument & Electrical Supervisor
United Water Conservation District
3561 N. Rose Ave., Oxnard, CA 93036

RE: One Each New Electric Motor

Dear Mr. Barone:

We are pleased to quote a new 250 horsepower electric motors as follows:

- Manufactured by US Motors
- 250 Horsepower // 445TPA Frame
- 1790 RPM // 460 Volt // 291.0 Amps
- 3 Phase // 60 Hz // 1.15 SF
- OP Enclosure // Non-Reversing Ratchet
- Model # R489A // ID # TBD
 - Functional replacement for current unit

Quoted Price: \$25,057.00, plus sales tax and freight.

The motor is in stock in Salt Lake City, UT.

If you have any questions regarding this quotation, please do not hesitate to give me a call.

Regards,

Sarah K. Demaria

Sarah K. Demaria
Motor Sales



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: June 1, 2022 (June 2, 2022, meeting)

Agenda Item: 4.1 Monthly Engineering Department Report
Information item

Staff Recommendation:

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

Discussion:

1. Santa Felicia Dam Safety Improvement Projects

- Spillway Improvement Project
 - The 30% design analyses continued during the month of May. Staff attended the bi-weekly progress meetings and discussed the design progress with GEI Consultants (GEI).
 - GEI revised the deliverable dates of the design technical memorandums. Staff reviewed and commented on the updated deliverable dates received from GEI.
 - Staff coordinated the next BOC meeting date with FERC, DSOD, and BOC. The next BOC meeting (meeting No. 6) is scheduled for September 28-29, 2022.
 - Outlet Works Improvement Project
 - The above updates reported for the Spillway Improvement Project are also applicable to the Outlet Works Improvement Project.
 - Staff attended a coordination meeting with GEI and Catalyst to review potential design modifications of the new outlet works discharge channel including energy dissipating approaches to reduce the velocity during conservation releases at flows up to 500 cubic feet per second. A follow up coordination meeting will be scheduled to discuss the design criteria compatible with the new release channel design.
-

4.1 Monthly Engineering Department Report Information Item

- FERC License Amendment Application, NEPA Documentation and Section 7 Consultation
Staff is planning on submitting the draft Biological Assessment (BA) report to FERC as soon as NMFS and CDFW comments on the release channel design are received. Alternatively, Staff might choose to submit the draft BA to FERC to minimize any potential delays in completing the permitting process.

- Loan and Grant Applications

2021 FEMA HMGP

- On May 6, Staff prepared and submitted a response to the CalOES Request for Information regarding the \$68 million Hazard Mitigation Grant Program application in support of the Santa Felicia Dam Outlet Works Retrofit Project. Staff also responded to follow up questions received from CalOES on May 16. CalOES indicated that no additional clarification was required at that time.

PrepareCA Match – FEMA HMGP

- The above updates are also applicable to the PrepareCA Match grant.
- On May 12, Staff received an acceptance notice from CalOES related to the receipt of the PrepareCA Match grant application for the Santa Felicia Dam Outlet Works Retrofit Project. Staff was informed that CalOES had received and reviewed the application and had no further questions.

WIFIA Loan

- On May 10, Staff was informed that EPA had published a proposed waiver to the Build America, Buy America Act (BABAA) requirements for the eligible projects that initiated project design plans prior to May 14, 2022. EPA requested comments on the proposed waiver by May 20. On May 18, Staff provided a letter response to EPA in favor of the waiver to the BABAA requirements for the WIFIA program.
- On May 16, Staff was assigned a new loan underwriter for the WIFIA program. On May 25, Staff received a request for additional information and a request for a “kick off call” between the WIFIA Staff and District Staff to review the Santa Felicia Safety Improvement project. Both Engineering Staff and Staff from the Finance Department will present responses to the loan underwriter’s questions related to the project purpose and benefits, project timing and District finances at the “kick off call” meeting currently scheduled for June 22. Once the application is deemed complete, the WIFIA loan underwriter will work on a closing schedule with the District.
- Santa Felicia Dam Safety
 - Staff prepared the 2022 Santa Felicia Dam Supporting Technical Information Document (STID). The 2022 STID was e-filed with FERC on May 31.
 - Staff has begun work on the 2022 SFD Vulnerability and Security Assessment Updates and Reprints. FERC requires these assessments to be conducted on a 5-year basis. Staff held a planning meeting with Gannett Fleming (GF) on April 4, 2022, to discuss the possibility of them supporting the District with this scope of work. GF submitted a proposal to the District on April 29, 2022. However, after careful review, Staff has decided to complete the assessments in-house. Staff has conducted a series of planning

4.1 Monthly Engineering Department Report Information Item

meetings and workshops for completing these assessments in 2022. The latest workshop was conducted on May 23, 2022. Staff has received a proposal from GF for performing the 2022 SFD Owner Dam Safety Program (ODSP) External Audit. FERC requires an external audit of the ODSP on a 5-year basis. As required by FERC, the District must submit the resume of the proposed auditor to FERC for review and approval. District staff submitted the resume of the proposed GF ODSP auditor on January 28, 2022. FERC approved the GF ODSP auditor on March 30, 2022. The external audit will be performed by GF beginning in July 2022. The External ODSP Audit Report will be submitted to FERC by December 31, 2022. Staff executed an Agreement with GF on May 9, 2022.

- The FERC requires an Independent Consultant (IC) to conduct a Part 12D Inspection for SFD on a 5-year basis. In a letter dated May 26, 2021, FERC notified the District that the twelfth Part 12D Independent Consultant's Safety Inspection Report for SFD is due on November 1, 2022. On February 11, 2022, Staff issued a Request for Proposal/Qualifications (RFP/Q) to two (2) consultants for the Independent Consultant for the 2022 SFD Part 12D Inspection. Two proposals were submitted to the District on March 10, 2022. Staff met internally to review and evaluate the proposals and selected GF to as the IC for the 2022 SFD Part 12D inspection. As required by FERC, the GF team resumes were submitted to FERC on March 24, 2022, and these were approved on April 25, 2022. The agreement with GF was executed on April 15, 2022. The Part 12D process began on May 12, 2022 with the 90-Day pre-PFMA conference call between the IC, FERC, and Staff. The Part 12D Site Inspection and Annual FERC Inspection have been scheduled for August 23, 2022. The PFMA Review session has been scheduled for August 24, 2022, at UWCD headquarters.
- In April the Department of Water Resources Division of Safety of Dams (DSOD) notified Staff via a phone call on April 5 and a letter dated April 19 that the Santa Felicia Dam's condition rating was changed from "Fair" to "Poor". The DSOD's updated assessment and subsequent lower rating is based on the deficiencies identified with respect to the seismic stability of the Outlet Works and insufficient hydraulic capacity of the spillway. DSOD explained that the change in rating is consistent with the condition assessment definitions posted on their website. A dam in poor condition is defined as a dam with multiple deficiencies or a significant deficiency that requires remedial work

2. Santa Felicia Dam Sediment Management Project

- A geotechnical report summarizing the observations of the four test pits that were established in February and the lab results from the test pit samples was prepared by Earth Systems and submitted to GEI on April 18 to supplement GEI's Lake Piru Reservoir Sediment Removal Study project. The first draft of the study by GEI is expected to be received the week of August 8, 2022.

4.1 Monthly Engineering Department Report Information Item

3. Pothole Trailhead Parking Area

- Staff executed a task order with ECG under the On Call Services Agreement for this work on May 9, 2022 and will meet with the Forest Service to discuss the completion of the easements to be granted to the Forest Service.

4. Condor Point Improvement Project

- A Conditional Use Permit Adjustment application was submitted to Ventura County Planning (Planning) on April 20, 2022. The permit adjustment is required to obtain a zoning clearance. The permit adjustment will be issued after Planning conducts a site visit on June 3, 2022.
- On May 9, 2022, Staff executed an Agreement with Rincon Consultants (Rincon) for the graphic development of interpretive signage for the Condor Point Improvement Project. Rincon will develop two interpretive signs, one displaying the natural and cultural resources of Lake Piru and the other displaying the history and importance of Santa Felicia Dam and Lake Piru. The first draft of the cultural and natural resources sign was received by Staff on May 11, 2022.

5. Freeman Diversion Expansion

- Staff, USBR, 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.
- May 23 – May 25, staff along with representatives from NHC, NMFS and CDFW visited USBR to witness the 1:12 and 1:24 scale physical model of the Hardened Ramp.

6. 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 227 out of a total of 291 submittal packages anticipated for the project. HDR and design engineer (KJ) have provided responses on approximately 227 submittal packages including a requirement to comply with the Buy American Act.
 - GSE Construction has submitted approximately 78 Requests for Information (RFI) to date. HDR, KJ and the District have been providing responses.
 - GSE Construction advanced construction of the 20-inch Ductile Iron Backwash Supply Pipeline. Approximately 800 of 890 linear feet installed.
 - GSE Construction advanced work on the Fe/Mn building. The installation of Concrete Masonry Units (CMU) was completed on May 11, 2022 (See Figure 1).
-

4.1 Monthly Engineering Department Report Information Item

- GSE Construction advanced construction of the 20-inch Ductile Iron Overflow pipeline. Approximately 50 of 261 linear feet installed.
- The tentative date for construction completion and implementation is January 3, 2023. A total of five (5) inclement weather days have been counted.

7. OH System Backup Generator at the El Rio Booster Plant

- To fully comply with the Hazard Mitigation Grant Program requirements, CalOES requested a Corrective Action Plan (CAP) for federally funded projects. Staff submitted the CAP to CalOES by the due date on May 13, 2022.
- Staff prepared and submitted Corrective Action Plan (CAP) to CalOES in accordance with the grant assessment compliance finding report. The CAP included the District's schedule to implement corrective actions to update the District procurement policy and standard contract in accordance with Title 2 C.F.R. 200, for the federally funded projects.
- On May 17, Staff received a CAP acceptance letter from CalOES that marked the conclusion of the compliance assessment and compliance with the Hazard Mitigation Grant Program requirements by the District. This project is deemed complete, and no further updates will be provided in the future staff reports.

8. PTP Metering Improvement Project

- Total number of meters installed: 35 of 61 or 57.3% complete.
- An additional four (4) meter installations are planned by mid-2022.
- Easement acquisition completion: 19 of 42 obtained or 45.2% complete (no change)
- On May 11, Staff met with Hamner, Jewell and Associates to review the status of easement acquisitions. The new property owner that handles PTP Turnout Nos. 135, 139 and 146 requested non-substantial changes to the revised utility easement deed which were accepted. The three (3) utility easement deeds are now pending the property owner's partial execution.
- Prepared draft letter requesting two (2) year time extension for completion from the Department of Water Resources (DWR) for the Proposition 1 Agricultural Water Use Efficiency grant. Should it be approved by DWR, this would extend the grant agreement expiration to October 19, 2024.

9. PTP Recycled Water Connection – Laguna Road Pipeline Project

- The 30% design progress continued during the month of May. Staff attended the bi-weekly progress meetings and discussed the design progress with District's consultant, Kennedy Jenks.
 - As part of the design coordination with the Pleasant Valley County Water District (PVCWD), Staff prepared and submitted to MKN (PVCWD's consultant) the standard plans for the PTP new irrigation efficiency meter installed at the PTP system turnouts.
 - Staff has scheduled a coordination meeting with PVCWD on June 7 to discuss the hydraulic model process and a recycled water agreement between the two districts.
-

4.1 Monthly Engineering Department Report Information Item

- Staff reviewed aerial and topographic survey data received from the Encompass Consultant Group (ECG) for Laguna Road.
- Staff coordinated the removal of the geotechnical boring drums from the private property north of Laguna Road with Kennedy Jenks and Yeh & Associates. The drums were removed from the site on May 20, and the property owner was notified of this activity by Staff.

10. Rice Avenue Grade Separation Project and Impact on PTP

- As previously reported, the State of California Department of Transportation (CalTrans) has offered to acquire two easements at the PTP Well Site No. 4. During a follow up phone call with CalTrans in May, the offer made for the two easements was corrected to a total of \$6,300 for a 3,000 square foot of permanent easement and a 1,436 square foot of a temporary construction easement at PTP Well Site No. 4. Staff is currently working with CalTrans Staff to finalize the right of way contract and grant deeds.
- Staff has requested a meeting with CalTrans to discuss the impact of the Rice Avenue Grade Separation Project on the District's 30-inch transmission pipeline north of the Fifth Street and Rice Avenue intersection. Staff is awaiting a response from CalTrans. Approximately 800 linear feet of the 30-inch pipeline requires reconstruction and reinforcement to resist additional new loading of approximately 14-foot soil cover. To allow the work to proceed, the County has requested the District execute a Utility Agreement without committing to cover pipe reconstruction costs estimated at \$1.5 million.

11. State Water Project (SWP) Interconnection Pipeline Project

- No update to report.

12. Extraction Barrier and Brackish Water Treatment Project

- Meetings:
 - May 2, 2022 – Kick-off meeting with District Staff and Kennedy/Jenks Consultants (K/J) held for preparation of a full grant proposal under the Proposition 1 Groundwater Grant Program (GWGP) Round 3 Implementation Grant administered by the State Water Resources Control Board (SWRCB).
 - May 19, 2022 – Held monthly progress meeting with Navy and District staff. Some key discussion and action items are:
 - Coastal Commission Meeting on May 16th involving Poseidon Water's Coastal Development Permit (CDP) application.
 - Draft Phase 1A license agreement submitted to the Navy for review on May 10th. Navy's real-estate team has reviewed the license agreement with early indications of acceptance. The District's legal counsel reviewed the agreement and did not take any exceptions. The license agreement is still under review by the Navy.

4.1 Monthly Engineering Department Report Information Item

- Draft Phase 1A Notice of Exemption under the California Environmental Quality Act for consideration at the June 8, 2022 Board of Directors meeting.
 - Draft Request for Qualifications/Proposals (RFQ/P) for permitting assistance underway.
 - Water Resources progress on the breakout hydrogeological flow model.
 - Progress on grants (listed below).
 - Grants:
 - Prop 1 Round 3 Ground Water Grant Program (GWGP) - *application*
 - District staff prepared an updated project description, preliminary extraction well design, updated construction cost estimate, list of applicable permits, list of applicable environmental documentation, and project schedule and budget as part of the grant application package.
 - Full proposals are due July 15, 2022.
 - Sustainable Groundwater Management (SGM) Grant Program
 - Final execution of grant agreements pending.
 - Design:
 - May 16, 2022 – Meeting with Trussell Technologies to discuss Groundwater Under the Direct Influence (GWUDI) considerations for permitting and design, and the progressive design-build approach.
 - May 23, 2022 – Proposal received from Trussell Technologies to assist with the determination of whether GWUDI applies to the project (potential implication is additional treatment requirements).
 - May 27, 2022 – Preliminary results received from Eurofins Laboratory for baseline groundwater sampling performed between April 20 to 21, 2022. Full results are anticipated in June 2022.
 - CEQA/NEPA:
 - May 23, 2022 – CEQA Notice of Exemption (NOE) prepared for the Information Collection for the Proposed Extraction Barrier and Brackish Water Project (Phase 1A exploration phase).
 - May 23, 2022 – Board Resolution 2022-27 prepared for the adoption of the CEQA NOE for Phase 1A (exploration phase).
 - June 8, 2022 – Pending Board of Directors approval, the CEQA NOE will be filed with the County of Ventura and Office of Planning a Research.
 - May-June – Prepare Request for Qualifications/ Request for Proposal (RFQ/P) for CEQA and Regulatory Permitting consultant services for Phase 1B (demonstration phase).
 - June-July – Release RFQ/P for CEQA and Regulatory Permitting consultant services for Phase 1B (demonstration phase).
 - August-September – Conduct interviews and select consulting firm(s) for CEQA and Regulatory Permitting consultant services for Phase 1B (demonstration phase).
 - Upcoming (scheduled and tentative dates):
-

4.1 Monthly Engineering Department Report Information Item

- May-July – Prepare and negotiate draft license agreement with U.S. Navy for the Phase 1A project
- June – Develop scope of work for regulatory support services with Trussell Technologies
- June – Meeting with Calleguas to discuss use of Salinity Management Pipeline for groundwater extraction well discharge and brine disposal
- July-Aug – Issue Request for Proposals for design services related to Phase 1B (demonstration phase)
- July – Meeting with Navy subject matter experts related to California Coastal Zone Management Act
- July – Motion item to the Board of Directors requesting consideration of executing a license agreement for Phase 1A with the U.S. Navy
- August – Leadership Meeting No. 4 between District and U.S. Navy

13. Asset Management/ CMMS System

- May 25 – UWCD Staff met with MKN Consulting to see what they have provided for other local agencies to help them advance their asset management programs.
- Staff continues to work on tables and graphs for the end of year reporting from Santa Felicia Dam monthly reporting Survey123 app data exports.

14. Main Supply Line Sodium Hypochlorite Injection Facility

- Staff have met with designers from Hazen and Sawyer, received a scope of work for the project and are awaiting a proposal for the design of a liquid sodium hypochlorite injection facility at the Moss Screen.

Other Topics, Meetings and Training - ALL

- May 3-5, 2022 – Maryam attended ACWA Conference in Sacramento, CA.
 - May 3-4, 2022 – Staff partially attended DHS Dams Sector Information Sharing Drill.
 - May 10, 2022 – Dr. Bral presented the OPV groundwater conditions at the County Board of Supervisors.
 - May 10, 2022 – Robert Richardson presented the Iron and Manganese Treatment Facility Status Update to the Channel Islands Breach Community Services District Board of Directors.
 - May 19, 2022 – Adrian Quiroz presented the construction updates of the Iron and Manganese Treatment Facility Project to the Santa Clara Watershed Commission meeting.
 - May 19, 2022 – Dr. Maryam Bral provided a status update on water supplying projects to the Santa Clara Watershed Commission meeting.
 - May 23-25 – Craig Morgan traveled to Denver to meet with the design team and partner agencies to review the Hardened Ramp physical modeling results at the USBR laboratory.
-

4.1 Monthly Engineering Department Report Information Item



Figure 1 – Fe/Mn Building CMU Construction



Staff Report

To: Engineering and Operations Committee Members

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

From: Linda Purpus, Environmental Services Manager

Date: June 1, 2022 (June 2, 2022, meeting)

Agenda Item: 4.2 Monthly Environmental Services Department Report
Information Item

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 May 2022.

Discussion:

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

- Santa Felicia Fish Passage Pre-Implementation Studies

During the month of May, operation of the fyke net fish trap in middle Piru Creek was ceased in response to receding flows. On May 23, 2022, Evan Lashly received approval from the U.S. Fish and Wildlife Service (USFWS) to serve as the “designated biologist” to conduct surveys for arroyo toad and least Bell’s vireo before removing the trap equipment from the stream channel. Surveys will be conducted in coordination with the USFWS and U.S. Forest Service, and all trapping equipment is anticipated to be completely removed in early June.

- California Department of Water Resources (DWR) and Los Angeles Department of Water and Power (LADWP) FERC License (No. 2426) – South State Water Hydropower Project (Pyramid Lake)

On March 16, 2022, DWR and LADWP submitted an application to the State Water Resources Control Board (SWRCB) to amend the 401 Water Quality Certification (Certification) for the South State Water Hydropower Project FERC relicensing process. (The Certification will not become effective until Pyramid’s FERC license is reissued.) As part of coordination with DWR, LADWP, and SWRCB, United Water Conservation District (United) contributed to the application for amendment to the Certification, providing input and suggested language on the conditions relevant to United’s interests. The application for amendment to the Certification was posted for public review on April 12, 2022. The public review and comment period closed on May 3, 2022.

4.2 Monthly Environmental Services Department Report Information Item

- 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 is required to make certain water releases from 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 was not met on June 1, 2022. The minimum required habitat water release for the month of June is 7 cfs.

2022 Habitat water release trigger date	Trigger criteria (total cumulative precipitation on trigger date)	Minimum required water release if trigger is met	2022 Measured cumulative precipitation	Actual minimum required habitat water release for mo.
January 1	4.80 inches	15 cfs	12.48 inches	15 cfs
February 1	8.10 inches	20 cfs	12.88 inches	20 cfs
March 1	12.00 inches	20 cfs	12.98 inches	20 cfs
April 1	14.90 inches	20 cfs	14.45 inches	7 cfs
May 1	16.30 inches	10 cfs	14.69 inches	7 cfs
June 1	17.50 inches	9 cfs*	14.69 inches	7 cfs

* 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.

2. Freeman Diversion Operations

On May 10, 2022, Environmental Services staff issued a request for onsite assistance to National Marine Fisheries Service (NMFS), NMFS-Office of Law Enforcement, and California Department of Fish and Wildlife (CDFW) to support capture and relocation of *O. mykiss* from the fish screen bay at the Freeman Diversion. The request was intended to facilitate proactive measures to ensure any *O. mykiss* present within the fish screen bay would be relocated to suitable habitat (based on life stage) before water quality conditions within the bay begin to degrade as Santa Clara River flows recede with the oncoming summer. On May 19, 2022, CDFW staff successfully captured and relocated 10 *O. mykiss* individuals from the fish screen bay. Four *O. mykiss* individuals were transported downstream and released to the Santa Clara River estuary while the remaining six *O. mykiss* were transported and released upstream. Numerous other fish (native and non-native) were encountered, including arroyo chub, fathead minnow, mosquitofish, suckers, and green sunfish. Notably, over 7,500 partially armored threespine stickleback were also captured and relocated; a number significantly higher than ever previously recorded at the facility. Environmental Services staff were onsite and assisted CDFW with activities; however, all handling and transport of *O. mykiss* was conducted by CDFW staff.

3. California Endangered Species Act (CESA) Listing Petition for Southern California Steelhead

Following the California Fish and Game Commission's (Commission) determination that listing of southern California steelhead under CESA "may be warranted," the Commission published their Notice of Findings on May 11, 2022. Within 12 months of the publication of the Notice of Findings, CDFW must complete a peer-reviewed status review of the species pursuant to Fish and Game Code (FGC) section 2074.6. CDFW's final status review report, including their recommendation on whether full listing to Endangered status is warranted, is due to the Commission on May 13, 2023. Note that CDFW can request a 6-month extension of time to complete the status review which would be subject to Commission approval. United staff will remain engaged with other stakeholder agencies in the regulated community, as well as with CDFW regarding their status review.

4. Quagga Mussel Management

- Consultation

On May 9, 2022, Environmental Services staff held the annual Quagga Mussel Program consultation meeting with staff from CDFW.

- Monitoring

Environmental Services 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).

5. Miscellaneous

- On May 3-5, 2022, Environmental Services staff completed a Wilderness First Aid and Stream Rescue Training with Sierra Rescue International.
- On May 4-5, 2022, Hannah Garcia-Wickstrum completed the California Native Plant Society's Riparian/Wetland Plant Identification Workshop.
- On May 9, 2022, Environmental Services staff attended a Fish Identification Training hosted by the U.S. Geological Survey at Big Tujunga Wash.
- On May 10, Environmental Services staff hosted USFWS staff on a site tour of the Santa Felicia Dam and middle Piru Creek to discuss multiple projects.
- On May 20, 2022, Evan Lashly attended a Santa Clara River Invasive Weed Task Force meeting.
- Cherie Windsor's last day of working in-person was on May 13, 2022. She will continue to work remotely for United until mid-June. She and her husband have relocated to Idaho to care for family.

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: May 25, 2022 (June 2, 2022, Meeting)

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

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 May.

1. Water Releases, Diversions and Deliveries

- Lake Piru dropped 0.93 feet in May to 17,553 acre-feet (AF) of storage.
- 428 AF of water was diverted by the Freeman Diversion facility in May.
- 0 AF of water was diverted to the Saticoy recharge basins in April (metered).
- -103 AF of water was diverted to the other Saticoy basins in April (unmetered). Negative value because water was pumped from Desilt Basin.
- 223 AF of surface water was delivered to the El Rio recharge basins in May.
- 300 AF of surface water was delivered to the PTP system in May.
- 8 AF of surface water was delivered C customers in May.
- 0 AF of surface water was delivered to Pleasant Valley County Water District in May.

2. Major Facilities Update

- **Santa Felicia Dam**
 - On June 1, 2022 the lake level was 72.1 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 May, as per the Water Release and Ramping Rate Implementation Plan for Lower Piru Creek.
 - Contractor Rayco performed annual security test of SFD shop and hydroelectric facilities.
 - On May 19, 2022 staff performed annual compliance testing of all SFD facilities back flow devices.
 - **Freeman Diversion, Saticoy, and El Rio Recharge Facilities**
-

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

- Flows at the Freeman Diversion averaged 7 cfs for the month of May, with 8 cfs of surface water being diverted on June 1, 2022.
- Static water levels (distance of water from the well pad to the water table):

	2022	2021	2020
Saticoy	119'	128'	102'
El Rio	134.4'	125.7'	114.5'
PTP	120' - 169'	120' - 155'	107' - 169'

- **Noble/Rose/Ferro Basins**
- **Oxnard-Hueneme (OH) Delivery System**
 - OH distribution pipeline was flushed and quarterly disinfection byproduct samples were obtained.
 - Staff serviced VFD #3 check valve, replacing worn disk gasket and inspected VFD #4 check valve.
- **Pleasant Valley County Water District (PVCWD)**
 - PVCWD received surface water from the Conejo Creek Project and also received some highly treated recycled water from the City of Oxnard's Advanced Water Purification Facility (AWPF).
 - Staff installed new 3" air-vac for the 78" pipeline on Central Avenue.
 - Staff sprayed herbicide Lifeline on embankment and grounds at PV Reservoirs.
- **Pumping Trough Pipeline (PTP)**
 - During the month of May, the PTP system demand was met with a combination of surface water from the Freeman Diversion and PTP wells.
 - The vertical up-flow meter was changed for turnout 114.
 - Staff performed sand testing on distribution system wells 1-5.
 - Staff rebuilt sodium hypochlorite chemical injection manifold piping at reservoir.
- **Instrumentation**
 - District staff replaced backup power supply battery banks at SFD Fire Station siren.
 - Staff assisted contractor GSE with temporary power for turbidity building cutover.
 - Instrumentation staff upgraded the El Rio Booster Plant ammonia injection programmable logic controller.
 - Staff assisted contractor MDJ Management with the Piru kiosk networking and configurations.

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

- **Lake Piru Water System**

- All chlorine residuals and turbidity readings for the drinking water system were within proper ranges for the month of May.
- District staff made repairs to leaking manifold to NaOCL chemical injection system.
- 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.

4. Other Operations and Maintenance Activities

- The Santa Felicia Dam Emergency Action Plan sirens located in Piru were exercised on May 6, 2021.
- Staff attended Annual AWA Water Symposium and CCWUC Vendors Fair.
- Staff installed new logo OH Booster Plant sign.
- OH Booster Plant emergency natural gas engine oil samples obtained.
- 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.

5. Safety and Training

- During the month of April, approximately 3100 hours of work, within the O & M department, were performed with no reportable accidents. The department's YTD safety record is 0 recordable injuries.
- Safety Meeting was conducted on site at UWCD Headquarters, covering refresher training on Heat Illness Prevention. Safety video entitled Heat Illness, by U.S. Army Safety was presented. The primary objective was to provide awareness and reinforcement on preventing and responding to heat-related injuries. SDRMA safety handout entitled "Outdoor Hazards" was briefed to staff, that covered protection against insects, snakes, and poisonous plants.
- Tailgate safety meetings were conducted at all individual O&M field locations, topic included refresher training on equipment used at the various O&M locations. The online target safety assignments for May was, "Water Industry Working in Extreme Temperatures."

Attachments: A - Operations Log for May
