



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.

UWCD Engineering and Operations Committee Meeting MINUTES

April 7, 2022

Page 3

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

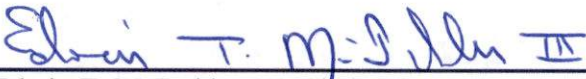
The Committee members recommended staff to present updates on grant awards, EBB Water, the HPMP and progress on the physical modeling, to the full Board.

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 GEI 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

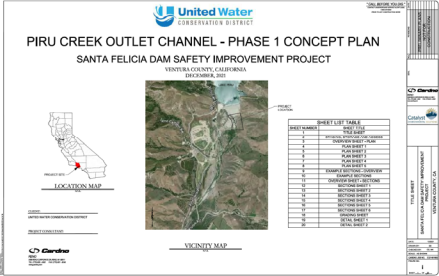
Part 12D IC Coordination

March 10 Received Part 12D IC Dam Inspection Proposals


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





4



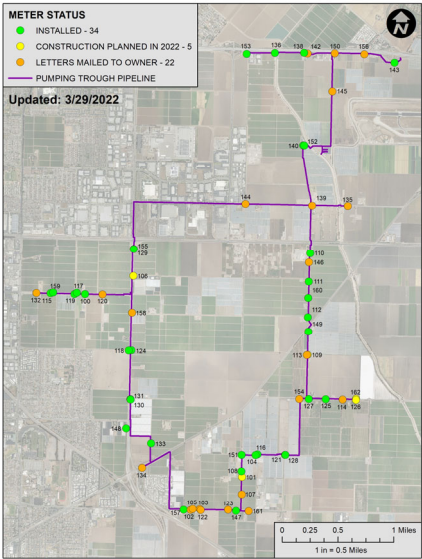
PTP Meter Replacement Project

- 

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

Preliminary design kick-off meeting with Kennedy Jenks
- March 1

Coordination meeting with Pleasant Valley County Water District
- March 16

Geotechnical kick-off meeting. Subsurface exploration program including four borings (10-50 ft deep) along proposed pipeline route.
- March 31

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



6

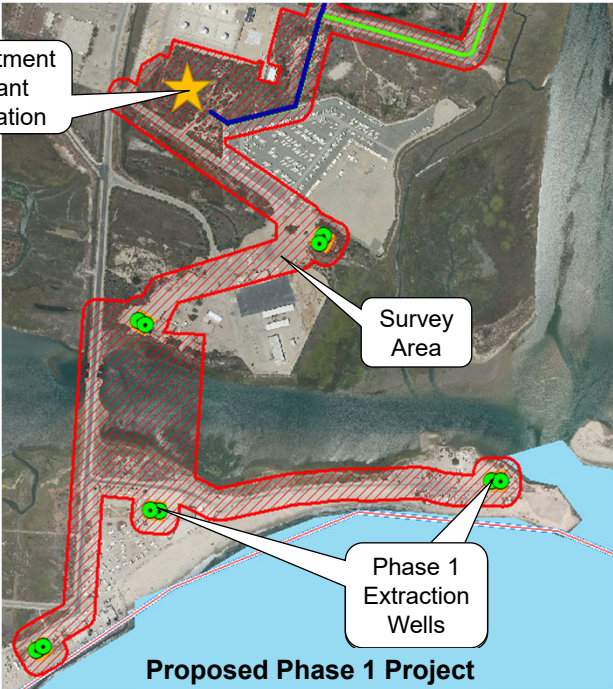
Extraction Barrier and Brackish Water Project

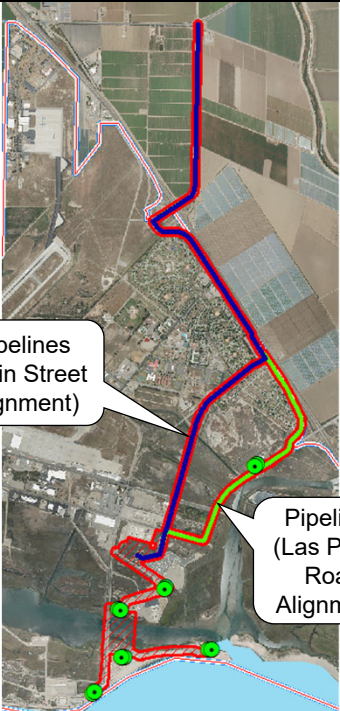
- Site Tour on February 10, 2022
- Five (5) Extraction Well Sites Selected for Phase 1
- Received draft CEQA IS for review on March 28, 2022





7





8

OH System Backup Generator Project

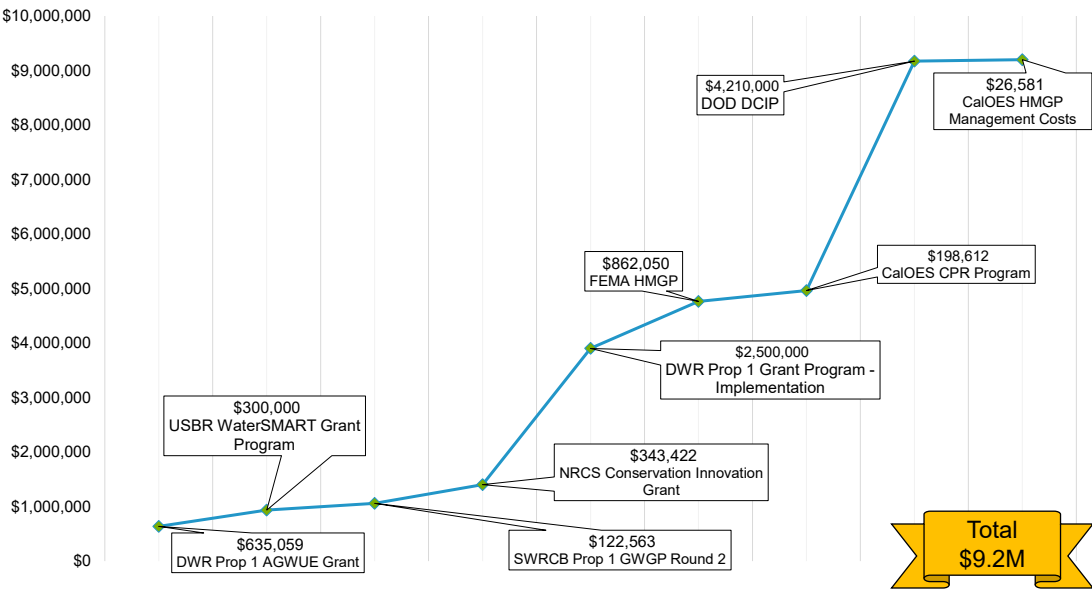


- February 10 **Successful** functional test of electrical equipment
- February 25 Completion of construction contract with Oilfield
- March 7 \$26,500 grant award from CalOES for covering grant management costs
- March 14 Submitted CalOES HMGP compliance assessment
- April 25 Submit grant close-out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

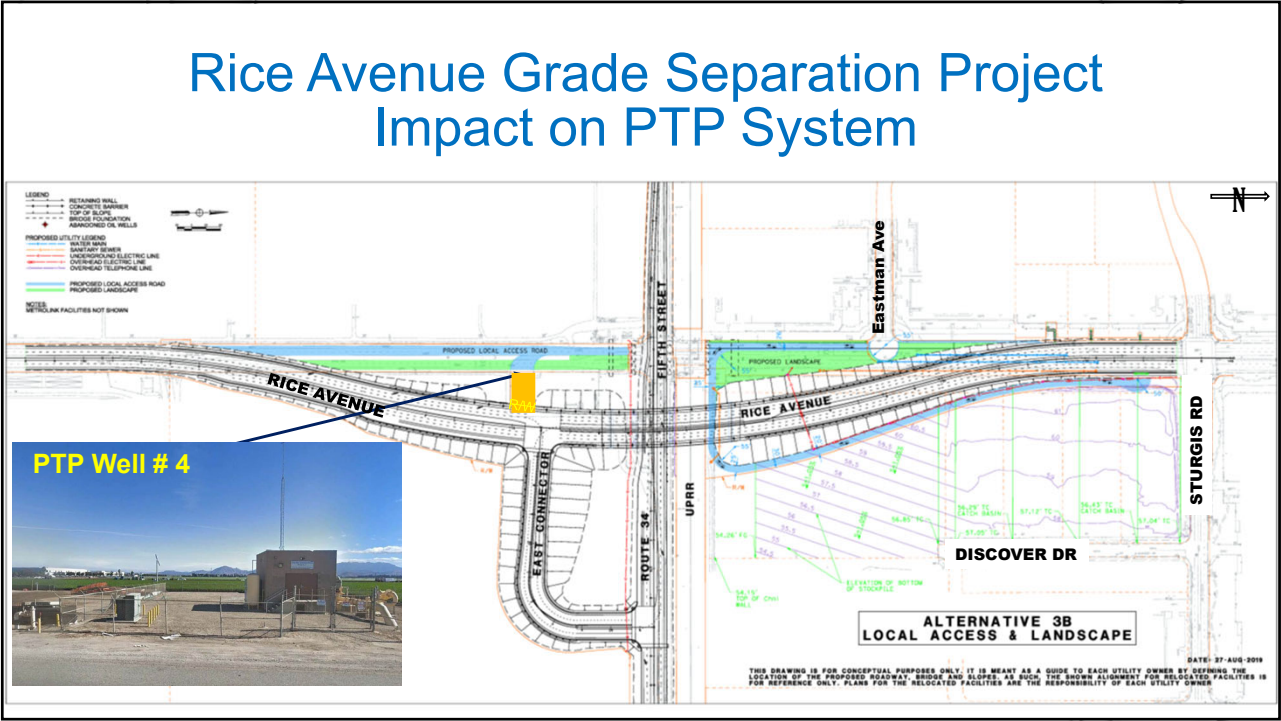


9

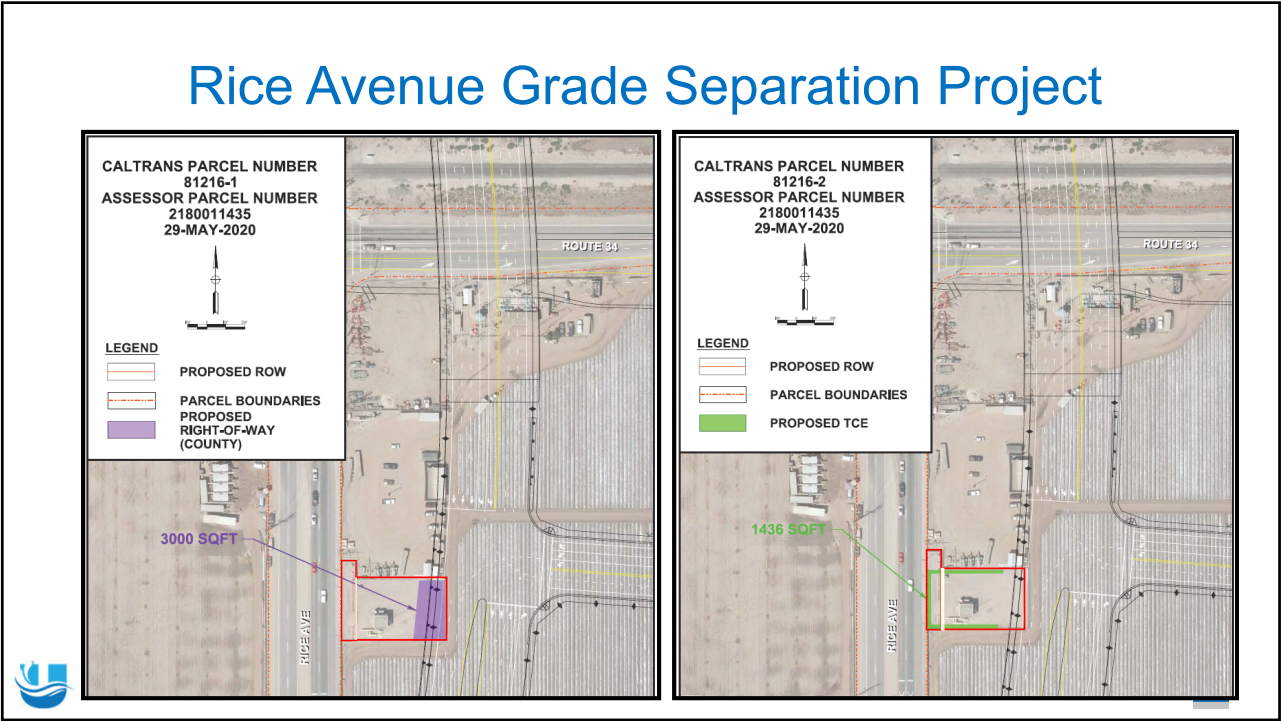
Grant Funding Total



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






3

3

Outline

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

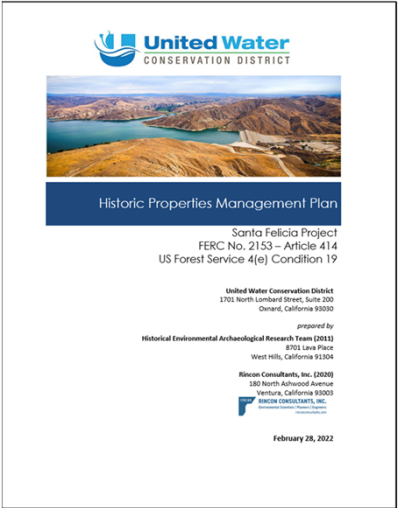





4

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

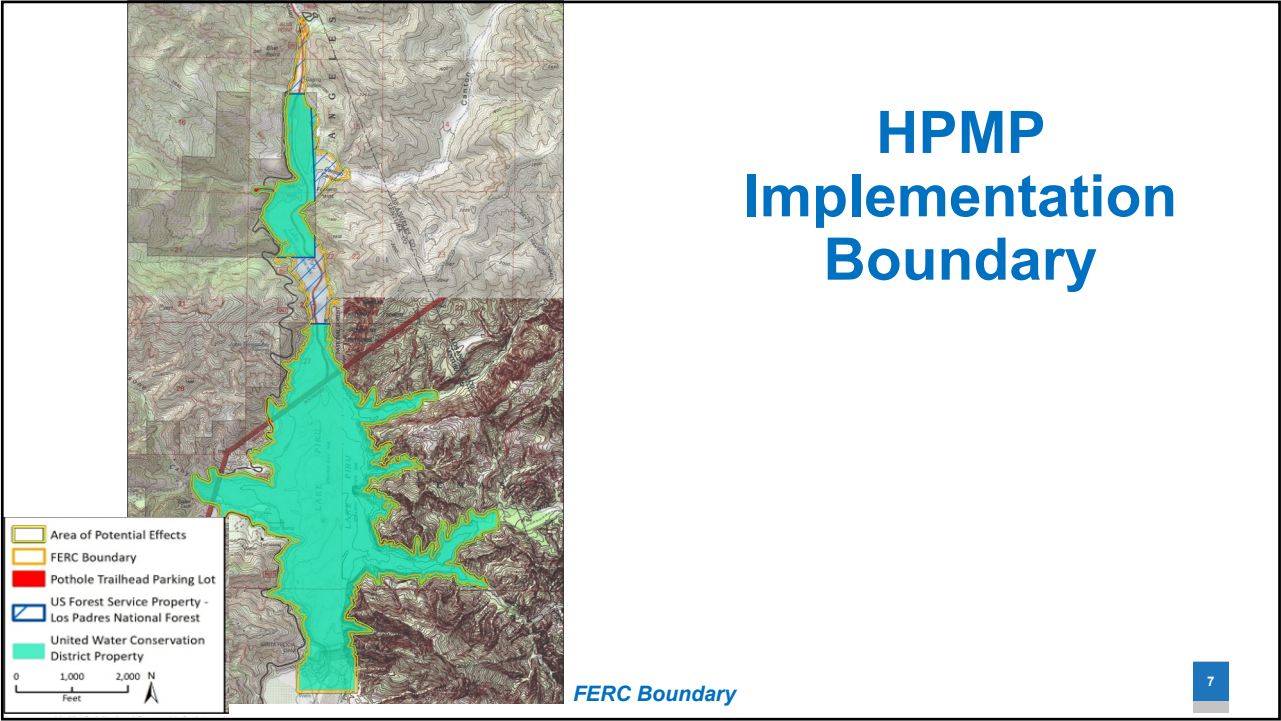
Agency Consultations

- 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

Obligations - Screened and Exempt Activities

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	



9

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

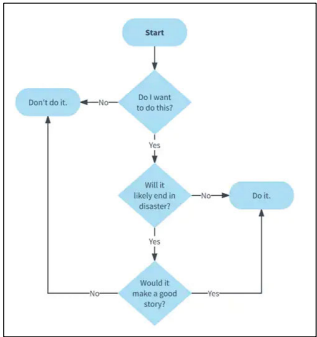


10

Implementation

Quick Reference Guides



- Easy implementation
- Minimize burdensome obligations on District staff



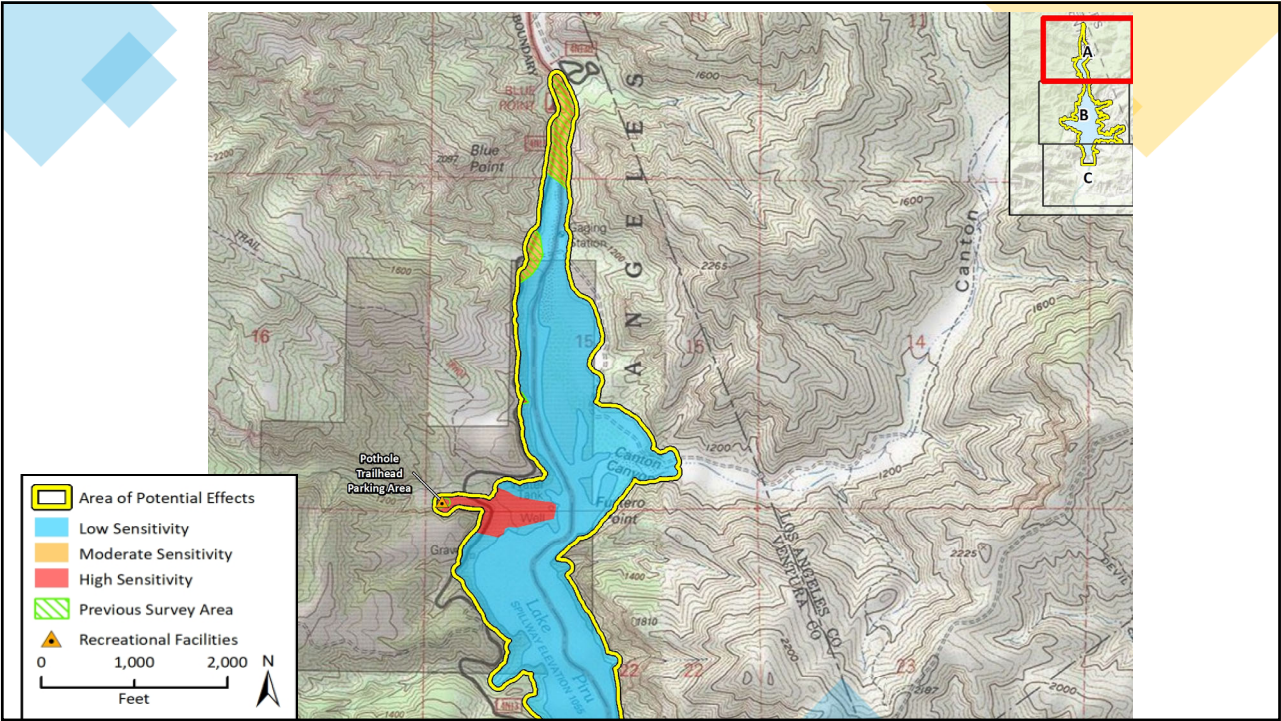
QUESTIONS



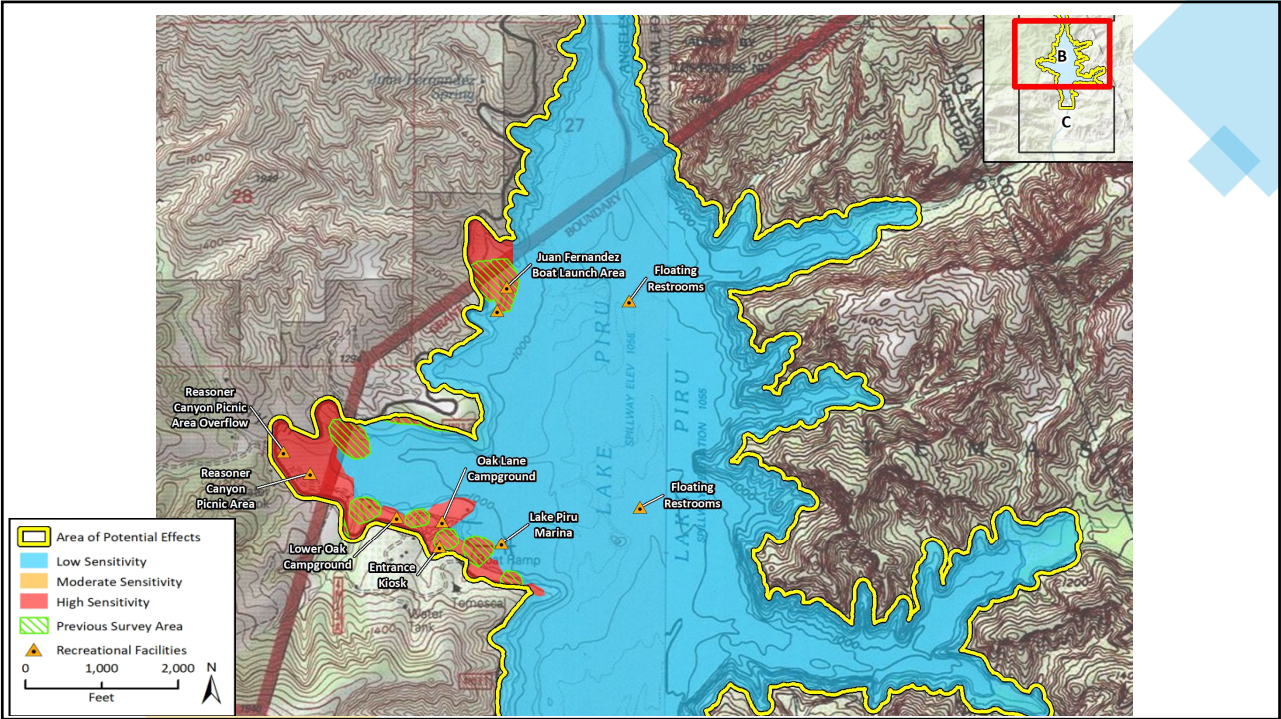
Extra Slides for Questions



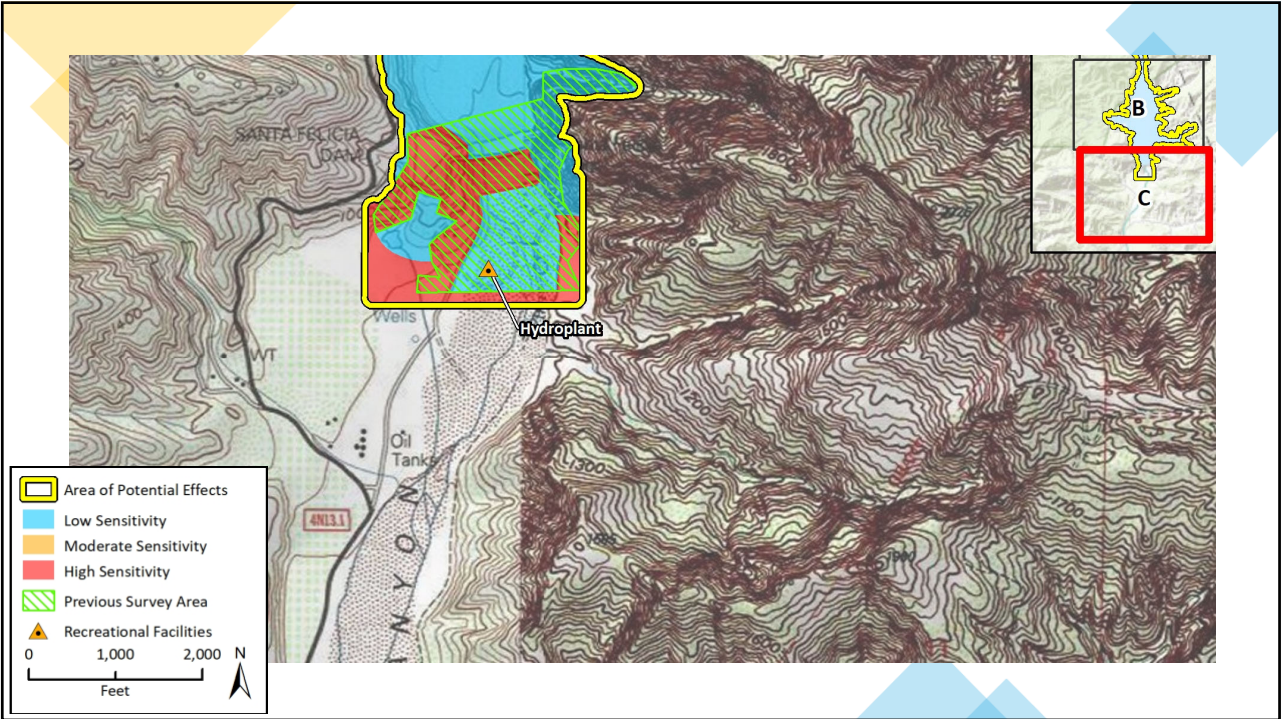
13



14



15



16





OPERATIONS AND MAINTENANCE DEPARTMENT UPDATE


April 7, 2022



SANTA FELICIA DAM

VCFD URBAN SEARCH AND RESCUE





2

FREEMAN DIVERSION

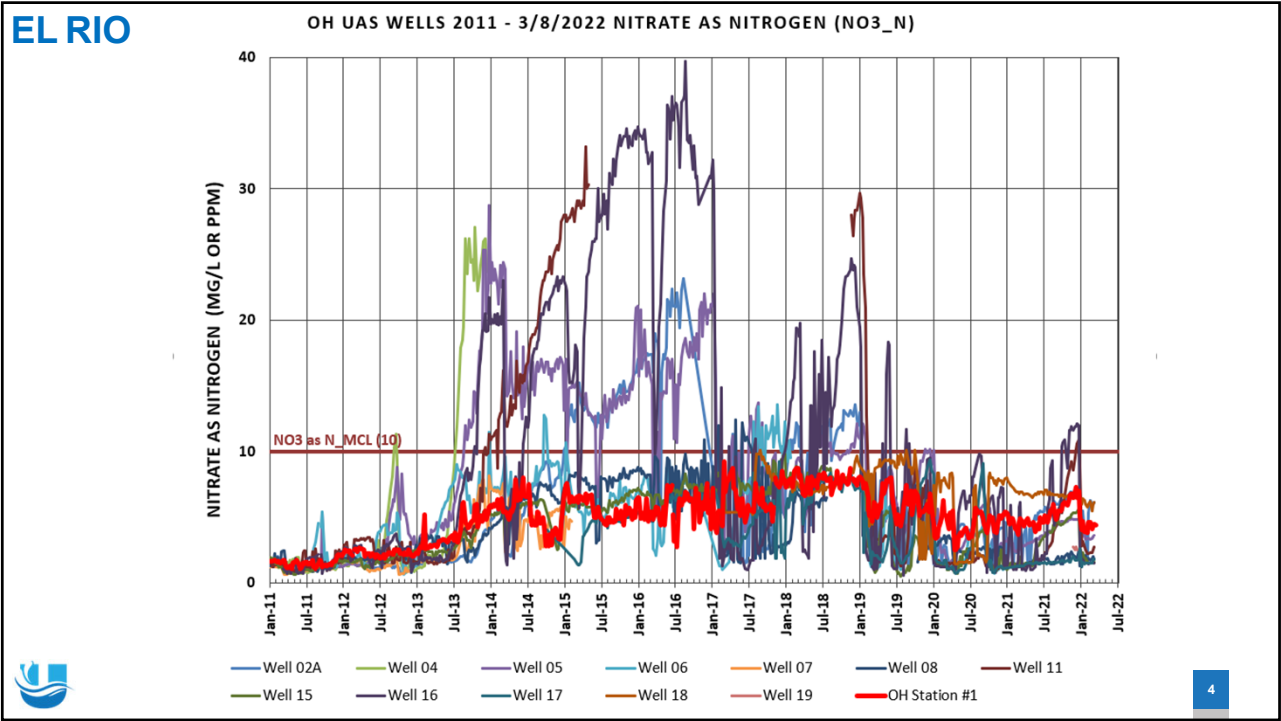
3/28/22 RAIN EVENT





3


3




4

OH Wells

OH #19 Curbing - OH #12 Check Valve





5

5

ELECTRICAL & INSTRUMENTATION





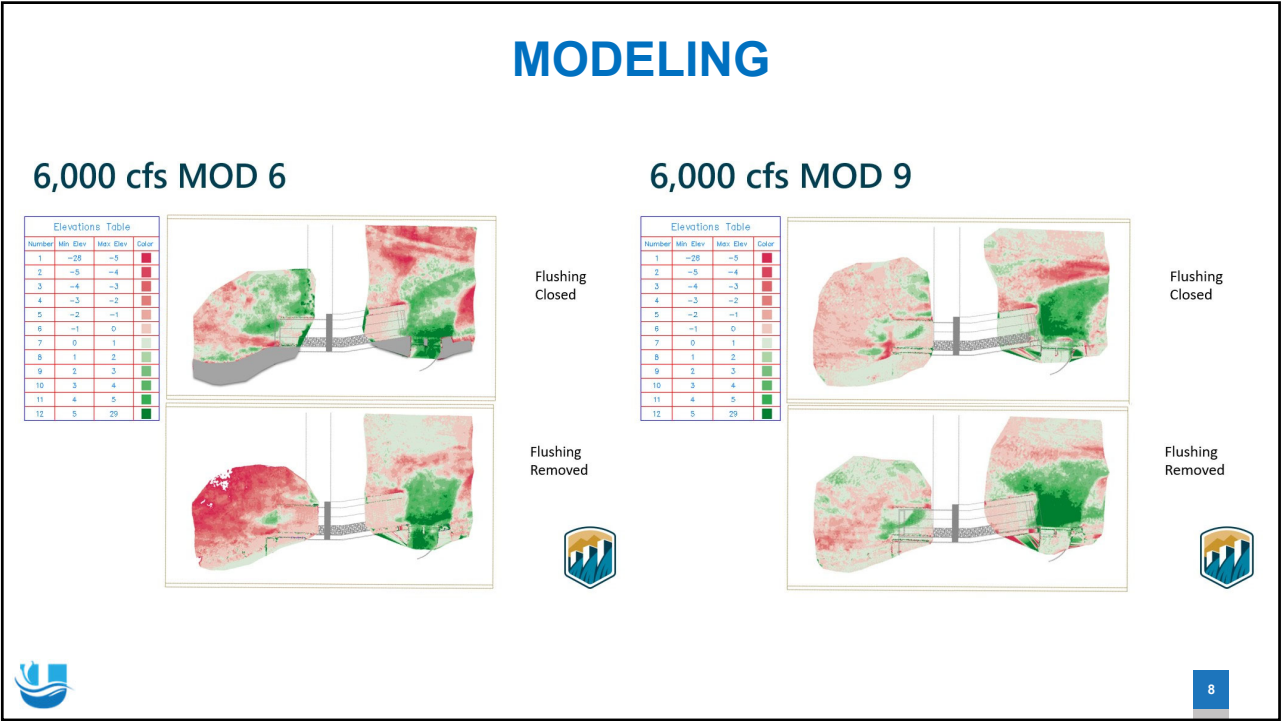
6

6



7

7



8

8



9

QUESTIONS?



10