



**MINUTES**  
**UWCD BOARD MEETING**  
**Wednesday, September 14, 2022, 12:00 noon**

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

General Manager  
Mauricio E. Guardado, Jr.

Legal Counsel  
David D. Boyer

**DIRECTORS IN ATTENDANCE**

Bruce E. Dandy, president  
Lynn E. Maulhardt, secretary/treasurer  
Mohammed A. Hasan, director  
Gordon Kimball, director  
Michael W. Mobley, director  
Daniel C. Naumann, director

**DIRECTORS ABSENT**

Sheldon G. Berger, vice president

**STAFF IN ATTENDANCE**

Mauricio E. Guardado, Jr., general manager  
David D. Boyer, legal counsel  
John Carman, operations and maintenance program supervisor  
Brian Collins, chief operations officer  
Nyvee De Leon, accounting technician  
Dan Detmer, water resources manager  
Sara Guzman, accountant II  
Eva Ibarra, administrative assistant III  
Michel Kadah, engineer  
Stephen Kadowaki, water treatment operator IV  
Tessa Lenz, associate environmental scientist  
John Lindquist, senior hydrogeologist  
Jackie Lozano, administrative assistant III  
Randall McNivale, principal environmental scientist  
Josh Perez, chief human resources officer  
Zachary Plummer, technology systems manager  
Katie Prado, receptionist  
Ed Reese, technology systems specialist  
David Rivera, accountant II  
Robert Richardson, senior engineer  
Brenda Sanchez, accountant II  
Kris Sofley, executive assistant/clerk of the Board  
Jackie Sze, accountant PT  
Clayton Strahan, chief park ranger  
Kaili Taniguchi, engineer PT  
Ambry Tibay, senior accountant  
Vanessa Vasquez, administrative assistant III  
Brian Zahn, chief financial officer

**PUBLIC IN ATTENDANCE**

Steve Trocino

Kurt Trocino

Leo Taniguchi

**1. FIRST OPEN SESSION 12:01 P.M.**

President Dandy called the meeting to order at 12:01pm.

**1.1 Public Comments**

**Information Item**

President Dandy asked if there were any comments from the public. No comments were offered.

President Dandy asked District Legal Counsel David Boyer to outline the topics for discussion during the Executive (Closed) session portion of today's meeting.

Mr. Boyer stated that, pursuant to Government Code Section 54956.9(d)(2), three (3) cases of anticipated litigation and, pursuant to Government Code Section 54956.9 (d)(1), four (4) cases of existing litigation – City of San Buenaventura v UWCD; Wishtoyo Foundation v UWCD; OPV Coalition v FCGMA and UWCD v United States would be discussed by the Board and legal counsel during Executive (Closed) session.

**1.2 EXECUTIVE (CLOSED) SESSION 12:03 P.M.**

President Dandy adjourned the meeting into Executive (Closed) Session at 12:03p.m.

**2. SECOND OPEN SESSION AND CALL TO ORDER 2:05 P.M.**

President Dandy called the second open session of the meeting to order at 2:05p.m.

**2.1 Pledge of Allegiance**

President Dandy asked Director Naumann to lead everyone in reciting the Pledge of Allegiance.

**2.2 Public Comments**

**Information Item**

President Dandy asked if there were any comments from the public. No comments were offered

**2.3 Approval of Agenda**

**Motion**

President Dandy asked the General Manager if there were any changes to the agenda. Mr. Guardado replied that the agenda stands as is, no changes.

Motion to approve the agenda, Director Naumann; second, Director Mobley. Voice vote: six ayes (Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy); none opposed; one absent (Berger). Motion carries unanimously 6/0/1

## **2.4 Oral Report Regarding Executive (Closed) Session**

### **Information Item**

President Dandy asked District Legal Counsel David D. Boyer to report on the Board's actions from Executive (Closed) session.

Mr. Boyer reported that the Board took several actions during Executive (Closed) session including:

1. approving the extension of a tolling agreement with the City of San Buenaventura (motion to approve, Maulhardt; second, Naumann, voice vote: six ayes - Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy; none opposed; one absent - Berger);
2. approving the re-engagement of facilitation with the City of San Buenaventura (motion to approve, Naumann; second, Kimball, voice vote: six ayes - Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy; none opposed; one absent - Berger);
3. approve agreement to stay time for City of San Buenaventura to present a motion for attorneys' fees to the court, filing post facilitation (motion to approve, Maulhardt; second, Mobley, voice vote: six ayes - Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy; none opposed; one absent - Berger);
4. rejected City of Oxnard's request for a tolling agreement (motion to reject, Naumann; second, Mobley, voice vote: six ayes - Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy; none opposed; one absent - Berger);
5. authorize General Manager and District Counsel to negotiate and execute a Utility Agreement with the City of Oxnard for the Rice Avenue Overpass project (motion to authorize, Hasan; second, Naumann, voice vote: six ayes - Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy; none opposed; one absent - Berger).

President Dandy asked if there were any comments or questions. None were offered

## **2.5 Board Members' Activities Report**

### **Information Item**

President Dandy asked if there were any comments or questions regarding the Board Members' Monthly Activities (aka per diem) Reports. None were offered.

## **2.6 General Manager's Report**

### **Information Item**

The General Manager addressed the Board stating that he was very happy to introduce them to the new hires that have recently joined the District and to announce the promotions of several staff members, demonstrating the expertise, skills and professional experience the District continues to attract. He said new hire

part-time engineer Kalie Taniguchi is actually a rehire, as she had previously worked for the District under former Engineering Managers Jim Grisham and Maryam Bral, and brings her significant experience and knowledge of the Santa Felicia Dam to the Dam's Safety Improvement project.

He then introduced Accounting Technician Nyvee De Leon, Accountant II Brenda Sanchez; Receptionist Katie Prado, who had worked at Lake Piru Recreation Area previously; and Administrative Assistant III Vanessa Vasquez to the United family.

Mr. Guardado then congratulated Randall McInvale on his promotion to principal environmental scientist in the Environmental Services department; Stephen Kadowaki, who recently earned his water treatment operator IV license; Sara Guzman and David Rivera, both members of the finance team who have been cross training throughout the department, and have recently been promoted to accountant II; and Eva Ibarra and Jackie Lozano, both of whom have been promoted to administrative assistant III. Eva works with the Park and Recreation and Operations and Maintenance departments and serves as clerk of the board for the Fillmore and Piru Basins GSA while Jackie works to support AGM Emmert, Finance and Environmental Services departments, and serves as clerk of the board for the Mound Basin GSA.

Mr. Guardado said that he wanted to let the Board know that Chief Park Ranger Clayton Strahan and his team at Lake Piru have been recognized by Lexipol, the leading experts in policy, training and wellness support for first responders and government leaders, with its Bronze award for Law Enforcement Policy Management. Tony Huynh and Josh Perez have also played a role in keeping the Park Rangers up to date on training and policy awareness, so congratulations to the whole team.

Lastly, Mr. Guardado reported that he had recently participated in the Ventura Water Crisis Forum organized by Assemblymember Steve Bennett and State Senator Monique Limón. There were several general managers from the various water agencies and the executive director from the County speaking and presenting at the event, which included updates on actions being taken to address the drought and current water conditions. Mr. Guardado also stated that the Governor's recently released water supply strategy included recommendations for several project types that would help the state's water supply strategy. Mr. Guardado noted that these are the same types of projects that the District embarked on three years ago. He concluded by reporting on his participation at the City of Camarillo's public forum on the drought, which resonated with residents and rate payers. He focused his remarks on regulatory reforms and how agencies are weaponizing environmental laws, often making situations worse, such as not being able to fill our reservoir. He stated that we can't continue to cut our way out of the drought and encouraged participants to reach out and engage with their legislative representatives to do the right things right. He added that these events are a good way to collaborate with other water agencies and municipalities and help everyone to take a regional approach to resolving water sustainability challenges.

**2.7 Recognition of the Retirement of Steve Trocino**

**Ceremonial Item**

President Dandy invited Steve Trocino, who retired on September 12, 2022, after nearly seven years of service to the District to the podium. President Dandy thanked Mr. Trocino for his years of service as a key member of the Finance team, reminding the Board that Mr. Trocino initially joined the District on August 26, 2015, as a senior accountant in the Finance Department and, in 2017, after the District reclassified some positions, assumed his current position of accountant III. President Dandy stated that throughout his nearly seven years of service with the District, Mr. Trocino has been a valuable contributor to the United's success, covering each of the Finance department's sub-functions including Accounts Payable, Cash Management, Payroll, Taxation, and specialized journal entries. In addition, Mr. Trocino held the distinction of being the longest tenured member of the District's current Finance team. As a result, he has become something of a Finance historian, having experienced the transition from the District's old financial system (MOM) to the current financial system (Incode), and providing staff with valuable understanding and insights of both systems that were often critical to performing historical analysis of revenue and expense trends as well as in aiding newer staff to understand analysis retrieved from the old system. During his final few months with the District, explained President Dandy, Mr. Trocino extended his retirement date to ensure the District could identify and train staff members who would be fully up to speed to assume his responsibilities before he planned his departure; a sacrifice that demonstrates the kind of commitment and respect that is synonymous with Mr. Trocino's service to the District. In fact, his consummate professionalism especially during the succession planning process, validated his reputation as a patient mentor and a true Team United member. President Dandy then congratulated Mr. Trocino on his well-deserved retirement and expressed the Board, the District management team and all his colleagues' wishes for all the best as he begins this next exciting chapter of his life.

- 3. CONSENT CALENDAR: All matters listed under the Consent Calendar are considered routine by the Board and will be enacted by one motion. There will be no separate discussion of these items unless a Board member pulls an item from the Calendar. Pulled items will be discussed and acted on separately by the Board. Members of the public who want to comment on a Consent Calendar item should do so under Public Comments. (ROLL CALL VOTE REQUIRED)**

**A. Approval of Minutes**

**Motion**

Approval of the Minutes for the Regular Board Meeting of July 13, 2022, and the Special Board Meeting of July 27, 2022.

**B. Groundwater Basin Status Reports**

**Information Item**

Receive and file Monthly Hydrologic Conditions Report for the District.

**C. Monthly Investment Report**

**Information Item**

Report on the District's investments and the availability or restriction of these funds. All investments are in compliance with the District's investment policy, which is reviewed and approved annually by the Board.

- D. Resolution 2022-36 Subsequent Finding that the Governor of California issued a Proclamation of a State of Emergency on March 4, 2020 relating to the COVID-19 virus and local officials continue to recommend social distancing measures to mitigate the spread of the COVID-19 virus and Authorizing remote teleconference meetings of the legislative bodies of United Water Conservation District for the period of September 14, 2022 through October 12, 2022, pursuant to Brown Act provisions**

**Motion**

The Board will consider adopting Resolution 2022-36 continuing subsequent findings that the requisite conditions exist for remote teleconference meetings of the District's legislative bodies without compliance with Government Code section 54953(b)(3), as authorized by Government Code section 54953(e).

**E. Consideration to Amend the District's Conflict of Interest Code**

**Motion**

The Board will consider adopting an amended Conflict of Interest Code and, if adopted, will update the Board of Directors Policies and Procedures with the amended Conflict of Interest Code.

President Dandy asked if there were any questions or comments on the Consent Calendar. None were offered.

Motion to approve the Consent Calendar items, Director Maulhardt; second, Director Naumann. Roll call vote: six ayes (Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy); no nays; one absent (Berger). Motion carries unanimously 6/0/1.

**4. PRESENTATIONS AND MONTHLY STAFF REPORTS (By Department)**

**Administrative Services Department – Brian H. Zahn and Josh Perez**

**4.1 Monthly Administrative Services Department Report – Josh Perez and Brian H. Zahn**

**Information Item**

Chief Financial Officer Brian Zahn addressed the Board asking if they had any comments or questions regarding the financial portion of the Administrative Services Department monthly report. No comments or questions were offered. Chief Human Resources Officer Josh Perez then addressed the Board, thanking President Dandy and Director Naumann for attending the CSDA Annual Conference and mentioned that their attendance at that event would save the District \$30,000 on its insurance premiums next year. He also stated that the Environmental Services Manager has confirmed her retirement for April 2023, and the HR team has posted the position to allow for sufficient training and a smooth transition when that time comes. He then asked if the Board had any comments or questions of the remainder of the department's monthly activities report. None were offered.

**Engineering Department – Dr. Maryam Bral**

**4.2 Monthly Engineering Department Report**

**Information Item**

Engineering Manager Craig Morgan addressed the Board in Dr. Bral's absence, sharing a presentation (see presentation) in support of the Department's monthly activities report. Mr. Morgan discussed the Santa Felicia Dam Safety Improvement Project, including progress on design, and FERC's 135 day review of the biological assessment that was submitted to the Commission. Mr. Morgan also reported that the Santa Felicia Dam passed the FERC annual inspection with no significant issues and Gannett Fleming is conducting an independent audit with District staff regarding safety and regulatory compliance. He also said that staff would be conducting a Table Top Emergency Action Plan exercise in October and Gannett Fleming staff are assisting District staff with developing the scenario for that exercise. Mr. Morgan reported Dr. Bral's public outreach activities including a presentation to the Society of American Military Engineers (SAME) on the EBB Water project and provided an update on the Santa Felicia Dam Safety Improvement project to the Piru Neighborhood Council on August 17. He then addressed the progress on the District's Iron and Manganese Treatment plant construction at El Rio.

President Dandy reminded the Board that the Iron and Manganese Treatment project was funded in large part through an \$8 million grant and that the project is a direct benefit to both Oxnard and Port Hueneme. Then Mr. Morgan, Senior Engineer Robert Richardson, President Dandy and Director Mobley had a brief discussion of how the Treatment plant will operate as well as dispose of waste product.

President Dandy asked if there were any additional comments or questions. None were offered.

**Environmental Services Department – Linda Purpus**

**4.3 Monthly Environmental Services Department Report**  
**Information Item**

Associate Environmental Scientist Tessa Lenz addressed the Board in Linda Purpus' absence, stating that while she did not have a formal presentation for the Board, she would answer any questions they may have regarding the Environmental Services Department monthly report. No comments or questions were offered. Ms. Lenz said that the department had secured permits for the Freeman Diversion sediment removal project, which would begin on Monday, had posted a request for qualifications (RFQ) for CEQA and environmental permitting for the EBB Water project and that the RFQ was closing this week and staff will likely have a motion to approve a contract for those services in November. Lastly, Ms. Lenz reported that prior to leaving on maternity leave earlier this year, she had submitted the District's Historical Property Management Plan to FERC and she is very happy to announce that the District received notification yesterday that the plan has been approved.

**Operations and Maintenance Department – Brian Collins**

**4.4 Monthly Operation and Maintenance Department Report**  
**Information Item**

Chief Operations Officer Brian Collins addressed the Board, asking if there were any questions or comments regarding the Operations and Maintenance Department's monthly activities report. None were offered and Mr. Collins proceeded with his presentation to the Board, which included preparation for the Freeman Diversion desilting project; upgrading four meters and replacing six isolation valves on the PTP system; updates on the modeling of the vertical slot, desander, sluicing channel, outlet and low flow channel rock replacement.

Board members asked various questions about the Freeman Diversion physical modeling process and Director Maulhardt reported that during the Engineering and Operations Committee meeting earlier in the month, it was demonstrated that this modeling is an incredibly complex and expensive effort and the District is spending massive amounts of money to do the right thing by the river, the fish and the environment and someone needs to carry this message to the agencies.

Further discussion continued regarding permitting, costs, interest in the desander technology and how it mitigates sediment issues and offers a balanced approach to reducing the risks associated with flushing.

President Dandy asked if there were any addition questions or comments. None were offered.

**Park and Recreation Department – Clayton Strahan**

**4.5 Monthly Park and Recreation Department Report**

**Information Item**

Chief Park Ranger Clayton Strahan addressed the Board, asking if they had any questions or comments regarding the Park and Recreation Department's monthly report. None were offered. Chief Strahan then began his presentation, including a comparison of revenue to date for January through July 2022 to January through July of 2021. Except for camping, all other revenue categories and number of visitors were all up over the same period in 2021 – the number of people visiting the Recreation area more than doubled over 2021. Chief Strahan explained that was due to staff using an actual count now, and not just the formula that was assuming an average number of visitors per vehicle. The only revenue that was down slightly was day use. Among the various items generating revenue, WiFi access is the top earner, followed by ice and water sales, location filming, and firewood sales. Chief Strahan also mentioned that Lexipol recognized the Lake Piru Recreation Area staff's efforts in training and policy updates by bestowing them with a Bronze award.

President Dandy asked Chief Strahan if there had been any follow-up with Supervisor LeVere's office regarding the monitoring and clean-up of trash, dumping and encampments along the Santa Clara River. Chief Strahan replied that he was in contact with the Supervisor's staff and he and the Rangers are planning another cleanup and have reached out to the Ventura County Sheriff's office, County Public Works, Behavioral Health and other agencies to present a unified clean up effort. President Dandy asked staff to draft a thank you letter to Supervisor LaVere for his signature.

President Dandy asked if there were any additional comments or questions for Chief Strahan. None were offered.

**Water Resources Department – Dan Detmer**

**4.6 Monthly Water Resources Department Report**

**Information Item**

Water Resources Manager Dan Detmer addressed the Board, providing a presentation (see presentation) in support of the Water Resources monthly report. He began updating the Board on staff's preparation and submission of an application for a Prop 1 Round 3 Implementation Grant for Phase 1B of the Extraction Barrier Brackish Water project. Mr. Detmer stated that this phase of the project includes the construction of seven extraction wells at a cost of \$18.6 million. The submitted grant application is currently for \$8.4 million, or 46 percent of the project costs. Mr. Detmer added that the grant administrators have stated that the District could request a larger grant amount. Mr. Detmer then went through the various steps included in Phase 1A (Geotech and engineering exploration), Phase 1B (implementation) and Phase 2 (build out) and the various studies that have been done to date, including Dr. Sun's modeling of groundwater flows and Solute (Chloride) transport, which have been very good at accurately projecting.

**4.7 Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA)**

**Information Item**

Mr. Detmer continued his report on updates regarding the various GSAs. At the end of his brief discussion, he asked if there were any questions or comments from the Board. None were offered.

Mr. Guardado asked if the two reports – Water Resources Activities and GSAs’ updates could be combined into one report. Staff said it would make the consolidation of the reports at the October Board meeting.

**5. MOTION ITEMS (By Department)**

**Administrative Services Department – Brian H. Zahn and Josh Perez**

**5.1 Resolution 2022-37 Approving a Change of United Water Conservation District’s Banking Relationship from Bank of the Sierra to Citizens Business Bank**

**Motion**

Director Maulhardt reported to the Board that the Finance and Audit Committee had reviewed Mr. Zahn’s request regarding changing the District’s banks and the Committee was recommending the Board approve Resolution 2022-37 changing United Water Conservation District’s (District) banking relationship from Bank of the Sierra to Citizens Business Bank.

Motion to approve Resolution 2022-37, Director Maulhardt; second, Director Hasan. Roll call vote: six ayes (Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy); none opposed; one absent (Berger). Motion carries unanimously 6/0/1.

**Engineering Department – Dr. Maryam Bral**

**5.2 Phase 1A License Agreement with U.S. Navy for the Extraction Barrier and Brackish Water Treatment Project – Phase 1A**

**Motion**

Director Maulhardt reported to the Board that the Engineering and Operations Committee had reviewed Dr. Bral’s motions 5.2, 5.3 and 5.4 and that all requested motions are consistent with the projects and instrumental in the implementation of the projects, so the Committee was recommending the Board approve the motions.

President Dandy asked that the motions be addressed one at a time.

Motion to authorize the General Manager to enter into a License Agreement with U.S. Navy for Phase 1A of the Extraction Barrier and Brackish (EBB) Water Treatment Project at Naval Base Ventura County, Point Mugu, Director Hasan; second, Director Maulhardt. Roll call vote: six ayes (Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy); none opposed; one absent (Berger). Motion carries unanimously 6/0/1.

**5.3 Authorize a Contract with GEI Consultants, Inc. to Develop the 90 percent Design Phase of the Santa Felicia Dam Outlet Works Improvement Project**  
**Motion**

Motion to authorize the General Manager to execute an agreement with GEI Consultants, Inc. in the amount of \$1,502,018.00 to Develop the 90 percent Design Phase of the Santa Felicia Dam Outlet Works Improvement Project, Director Maulhardt; second, Director Hasan. Roll call vote: six ayes (Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy); none opposed; one absent (Berger). Motion carries unanimously 6/0/1.

**5.4 Authorize a Contract with GEI Consultants, Inc. to Develop the 60 percent Design Phase of the Santa Felicia Dam Spillway Improvement Project**  
**Motion**

Motion to authorize the General Manager to execute an agreement with GEI Consultants, Inc. in the amount of \$917,004.00 to Develop the 60 percent Design Phase of the Santa Felicia Dam Spillway Improvement Project, Director Hasan; second, Director Maulhardt. Roll call vote: six ayes (Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy); none opposed; one absent (Berger). Motion carries unanimously 6/0/1.

**Operations and Maintenance – Brian Collins**

**5.5 Five-year Purchase of State Water from Casitas Municipal Water District**  
**Motion**

Mr. Collins addressed the Board and clarified that if a final agreement is executed with Casitas Municipal Water District, United would only pay for State Water Project water it receives and then went through the various percentages and costs associated with the agreement.

Motion to approve the terms as outlined in the Term Sheet for use by the General Manager or his designee in the negotiation and preparation of a final agreement which will be brought to the Board for consideration and approval at a later date, Director Hasan; second, Director Maulhardt. Roll call vote: six ayes (Hasan, Kimball, Maulhardt, Mobley, Naumann, Dandy); none opposed; one absent (Berger). Motion carries unanimously 6/0/1.

Director Naumann stated that it is nice to have collaboration with Casitas and commended staff on getting this done. Mr. Guardado added that Brian Collins is doing a great job working out the details with Casitas.

**6. BOARD OF DIRECTORS READING FILE**

**7. FUTURE AGENDA ITEMS**

President Dandy asked if there were any suggestions of future items for the agenda. Mr. Guardado said something about USC versus Stanford, but the Board's groans drowned out his remarks.

**8. ADJOURNMENT 4:02p.m.**

President Dandy adjourned the meeting at 4:02p.m. to the **Regular Board Meeting scheduled for Wednesday, October 12, 2022** or call of the President.

I certify that the above is a true and correct copy of the minutes of the UWCD Board of Directors meeting of September 14, 2022.

ATTEST: \_\_\_\_\_



Lynn E. Maulhardt, Board Secretary

ATTEST: \_\_\_\_\_



Kris Soley, Clerk of the Board



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

General Manager  
Mauricio E. Guardado, Jr.

Legal Counsel  
David D. Boyer

## ATTENDANCE LIST

**MEETING DATE: Wednesday, September 14, 2022 12 noon**

**MEETING: UWCD Board of Directors Meeting**

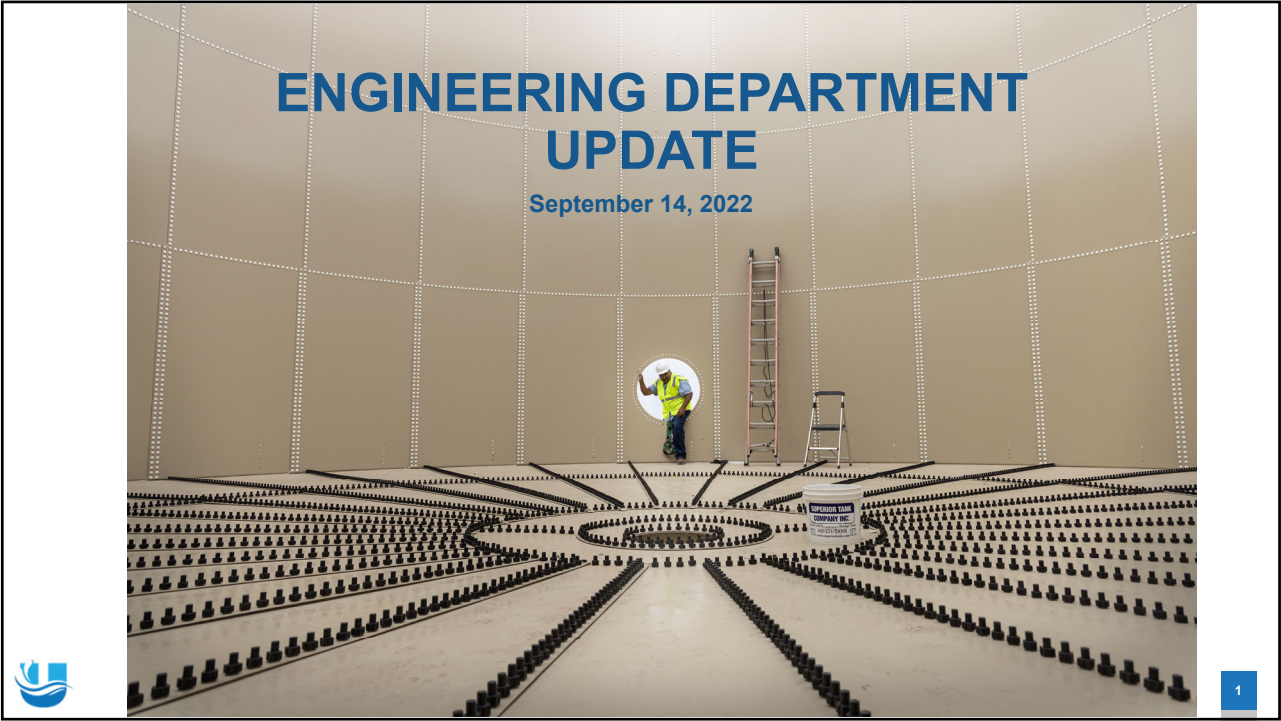
The signing or registering of your name on this sign-up form is not required but is voluntary. All persons may attend the meetings of the Board of Directors of United Water Conservation District without signing or registering their names on this form.

Name (Please Print)

Representing

Joseph Marinko


City of Oxnard



1

# Santa Felicia Dam Safety Improvement Project

- ❑ **60% OW and 30% SpW Design**
  - Design of the New Outlet Works and Spillway Improvements on Schedule – BOC Meeting on September 28 and 29
  - Approval of Motion Items 5.4 and 5.5 Allows for Design Advancement
- ❑ **Biological Assessment Report**
  - Draft Biological Assessment Report Submitted to FERC on August 9
  - Draft Biological Assessment Report to NMFS by FERC on August 15



Santa Felicia Dam Safety Improvement Project  
Draft Biological Assessment

Prepared for US Fish and Wildlife Service and National Marine Fisheries Service  
July 29, 2022

2



### Dam Safety and Regulatory Compliance

- July 19 - Annual Law Enforcement Consultation
- August 18 – ODSP Audit Kick Off Meeting
- August 23 – Annual FERC Inspection
- August 23, 24, 30 – 2022 Part 12D Inspection and PFMA Review Session
- Preparation for EAP Tabletop Exercise on October 20

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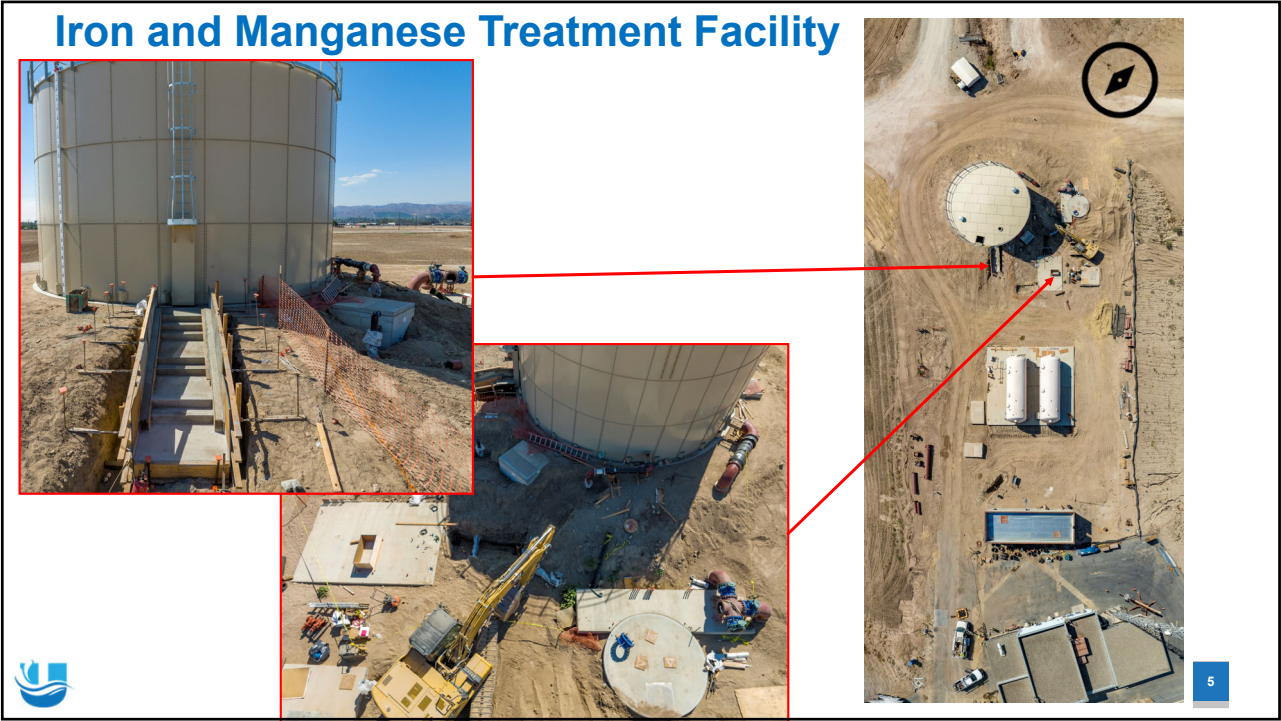
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### Public Outreach

- ❑ July 14 – Society of American Military Engineers – San Francisco Post – Dam and Levee Resilience Webinar Series – Local Government
- ❑ August 17 – Piru Neighborhood Council Meeting  
SFD Safety Improvement Project Updates


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# Iron and Manganese Treatment Facility



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# QUESTIONS



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# OPERATIONS AND MAINTENANCE DEPARTMENT UPDATE

September 14, 2022



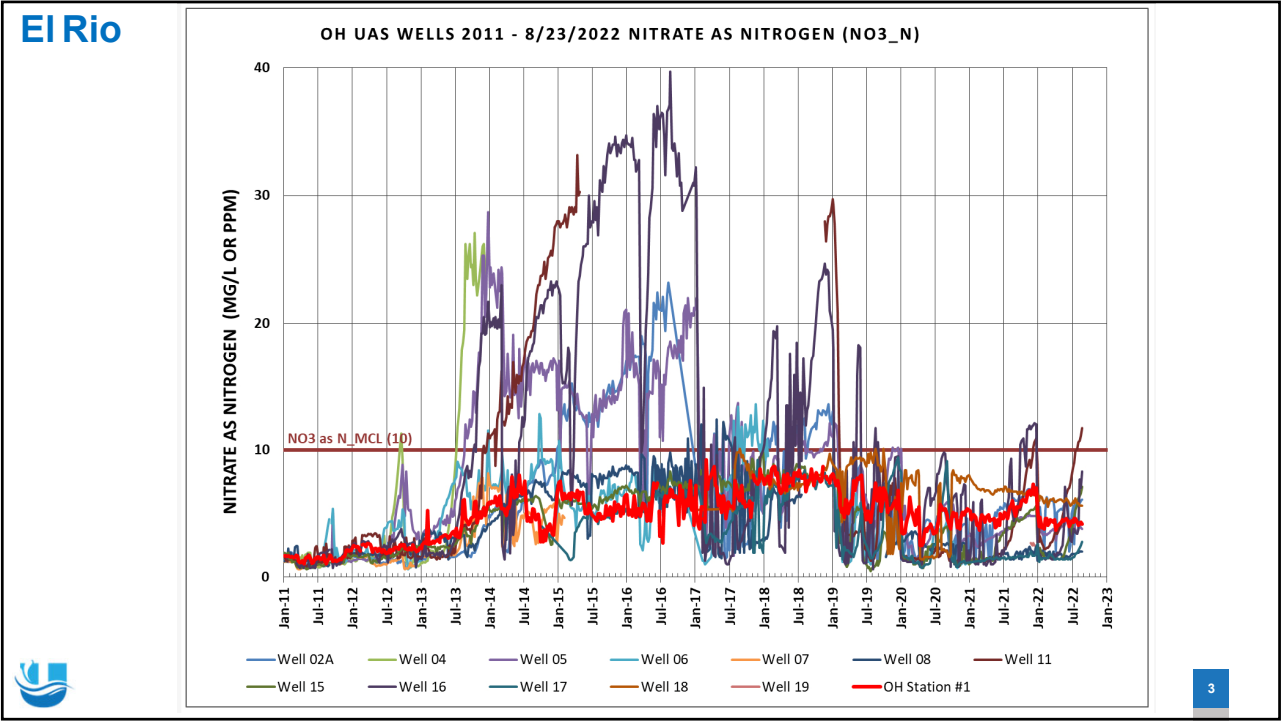
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## Freeman Diversion Freeman Maintenance - Desilt Basin

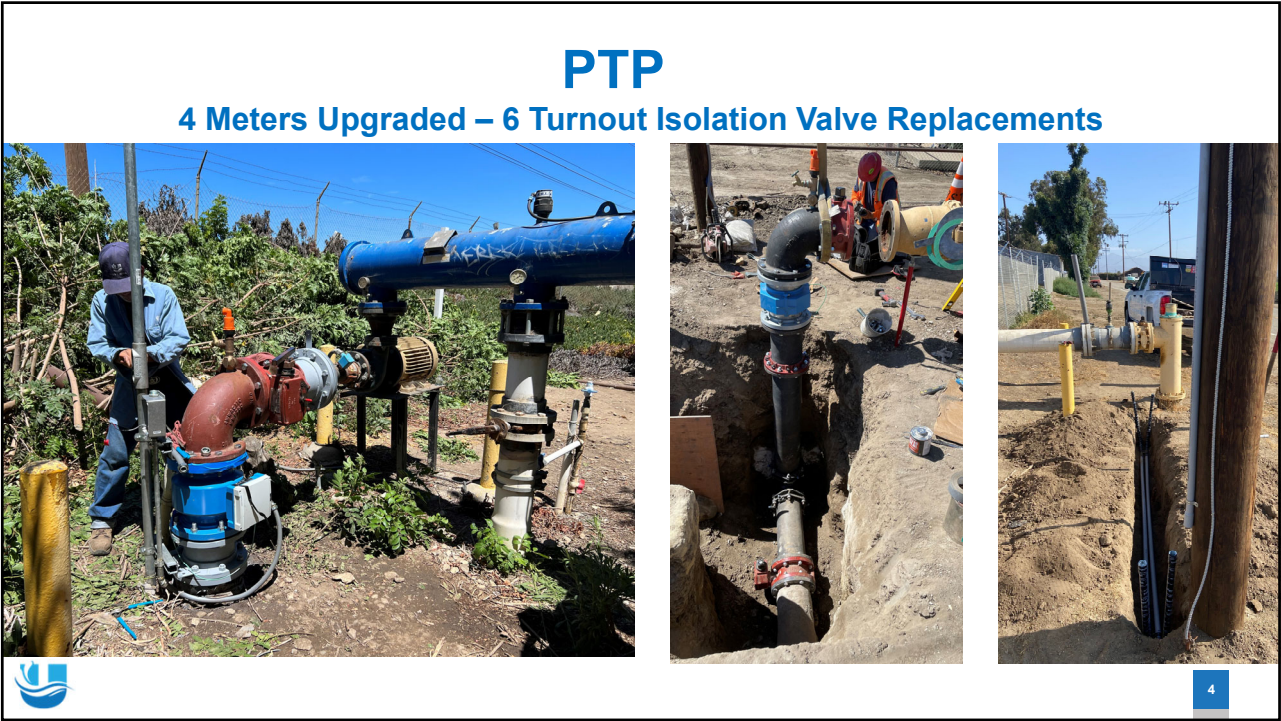


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### Physical Modeling





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### Desander





water resource specialists

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6

## Sluicing Channel and Outlet





nhc

water resource specialists

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## Low Flow Channel Rock Placement





nhc

water resource specialists

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# Questions?





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Operational Update						
Revenue Recap 2022 (Jan.-July)						
Year	Day Use Revenue	Camping Revenue	All Other Revenue	Revenue Collected	Revenue Received	Visitation (# of People)
2022	\$177,500	\$397,100	\$56,900	\$633,530	\$633,530	62,070
2021	\$185,000	\$377,900	\$46,900	\$609,800	\$609,800	30,567

United Water Conservation District

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## Operational Update

### Other Revenue Recap 2022 (Jan-July)

Year	Firewood	Ice/Water	Showers/Laundry	Wi-Fi	Filming/Events	Concessions
2022	\$12,440	\$14,933	\$9,700	\$19,500	\$12,520	\$1,480
2021	\$11,200	\$12,900	\$10,200	\$9,000	\$1,450	-

United Water Conservation District

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## Departmental Highlight: July and August

### District Recognition and Awards

- Recent Quarterly District Metrics

Metric	June 2022	May 2022	April 2022
Performance Level	Bronze	Bronze	Bronze
Policies Issued	100%	100%	100%
Updates Pending	1	0	1
DTBs Issued	100%	100%	100%
Policies Acknowledged	68%	68%	68%
DTBs Completed	99%	98%	94%



- Consistently trending towards silver and gold status
- CONGRATULATIONS TEAM UNITED!!!

United Water Conservation District

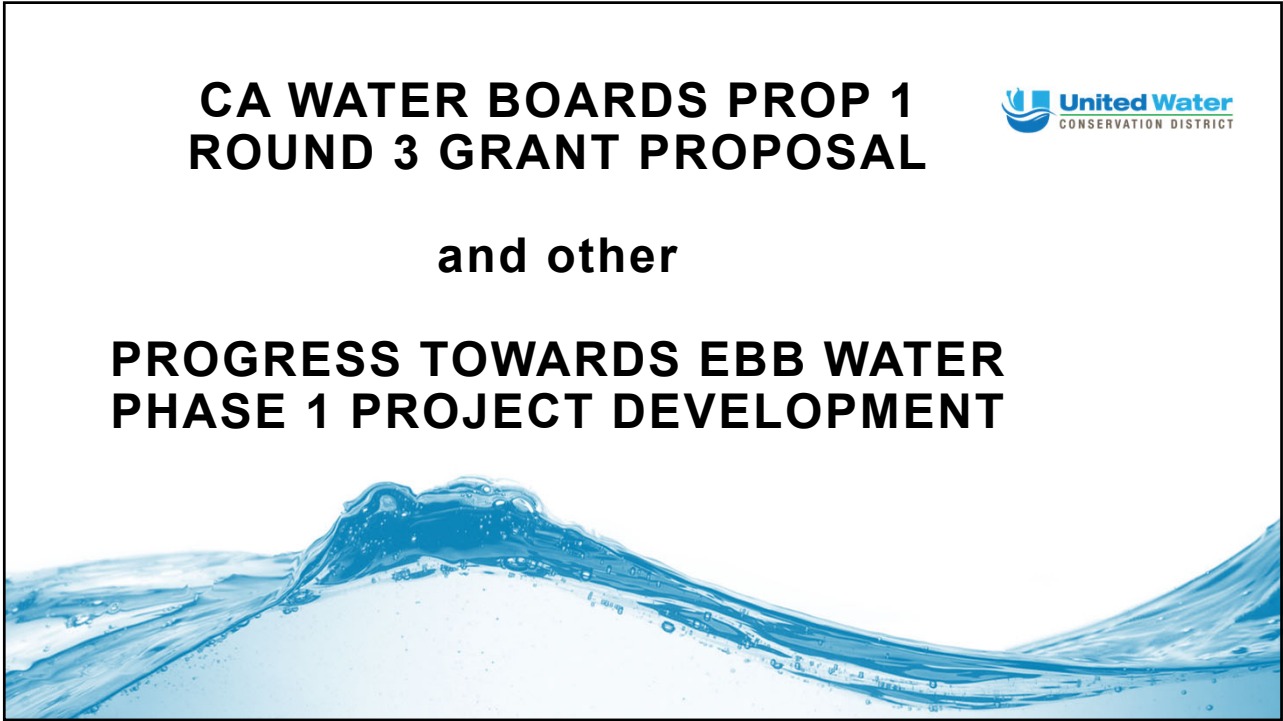
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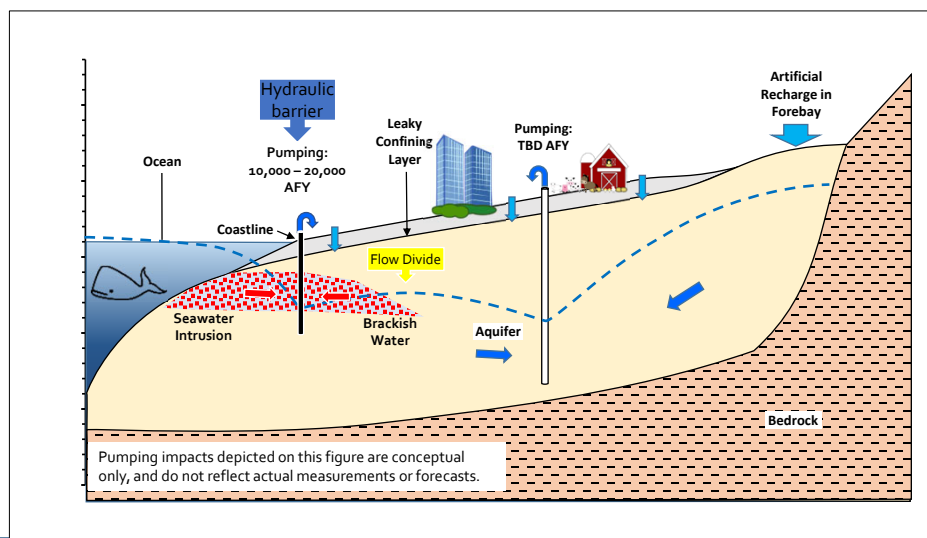
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## Extraction Barrier Concept

Benefits- remove saline water from drinking water aquifers, no water intake structures



3

## Prop 1 Round 3 Implementation Grant


*Phase 1 of the EBB Water project is being designed to implement an extraction barrier of modest scale and to answer some remaining questions related to project permitting, engineering, operation and scale.*

- Concept proposal submitted in September 2021
- In April 2022 United was invited to submit a full proposal
- Full proposal for Phase 1 completed and submitted in July 2022
- The previous Prop 1 Round 2 Planning Grant funded improved modeling tools and project feasibility study, completed in December 2021.
- Technical Advisory Committee (TAC) helped review the work and advise on critical regulatory elements (FCGMA, DDW, Regional WQ Board, Water Boards, U.S. Navy).
- Feasibility study concluded that project was indeed feasible.



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The map shows the Phase 1B Project area, including Mugu Lagoon and the Pacific Ocean. It highlights various project features: a potential pilot treatment location (yellow star), a provision for a future extraction well (grey circle), Phase 1 extraction well locations (green dots), a potential point of discharge (red dot), an alternate Phase 1 raw water pipeline (dashed green line), the Phase 1 raw water pipeline (solid green line), Phase 1 construction footprint (yellow outline), Phase 1 permanent footprint (black outline), and the NBVCNAS Point Mugu Boundary (pink outline). A scale bar indicates distances from 0 to 0.2 miles, and a north arrow is present.

### Phase 1B Project



Five Oxnard aquifer wells  
Two Mugu aquifer wells  
No treatment of extracted groundwater

Target production is 3,500 AFY  
(2,170 gpm, 3.1 mgd, 4.8 cfs).

Intended discharge location is at or near  
Laguna Road bridge (west arm of Mugu Lagoon)  
Alternative discharge is to Calleguas SMP

Currently no extraction wells exist in the project area,  
we need production wells to better assess:


- Degree of connection between aquifers
- Potential flow between aquifers
- Water quality and aquifer properties



5

## Continued Regulatory Engagement

- FCGMA, GSA for the Oxnard basin, regulates pumping in the basin and will also likely require monitoring and contingency plans for project operations
- Division of Drinking Water wants to confirm source water for eventual drinking water facility if free of organic contaminants and surface water influence
- Regional Water Quality Control Board
  - Regulates discharge from Phase 1 operations and brine
  - Helps regulate contaminant sites on NBVC Point Mugu
  - Interest in basin salt balance for TMDLs and Salt and Nutrient Management Plans
- Also potential for CA Coastal Commission and State Lands Commission involvement



6

# July 2022 Grant Proposal

- United proposed a project totaling \$18.6 million for construction of 7 extraction wells and control systems, discharge pipes, and funding for related design, permitting, sampling and reporting activities
- The Prop 1 Round 3 funding request was for \$8.4 million, or 46% of the estimated project cost
- Water Boards staff indicated that funding requests can be larger than what was in the concept proposals, but offered no assurance that funding will be increased
- Intent is to build and operate this initial phase of the EBB Water project before major additional investments are made for well field expansion, water treatment facilities and water distribution
- Phase 1 extraction wells provide benefit to basin while the full project is being developed



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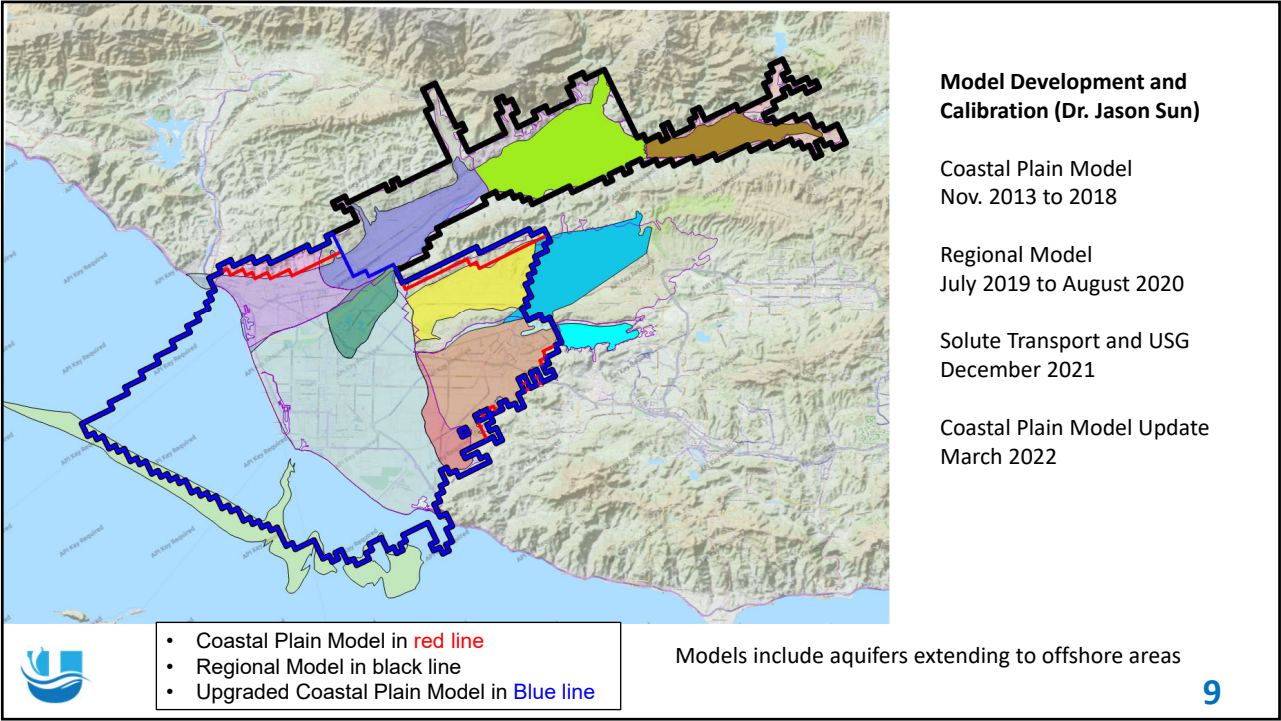
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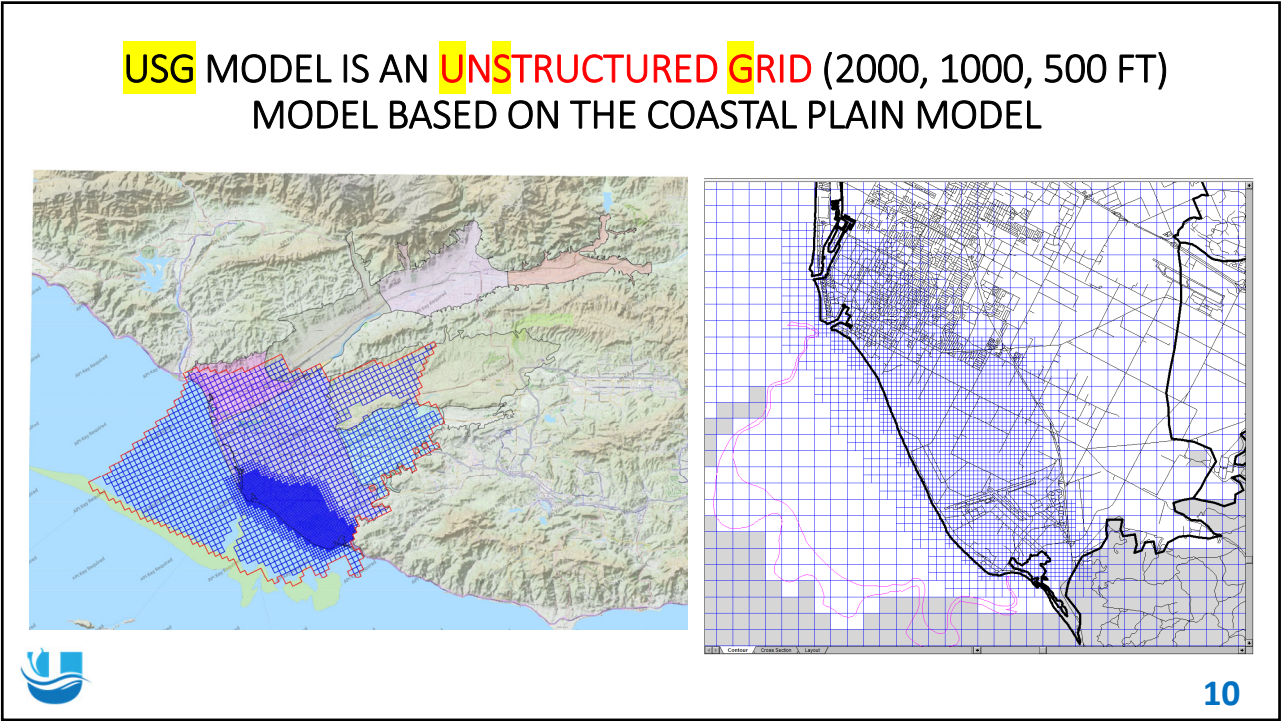
## GROUNDWATER FLOW AND SOLUTE (CHLORIDE) TRANSPORT MODELING



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10

# Modeling for EBB Water Project Feasibility Study (December 2021)

Assumptions:

- The extraction barrier wells are assumed to operate for 50 years
- The product water from the treatment plant is assumed to be 50% of the extracted water
- Project extraction rates from 3,500 to 20,000 AFY
- FCGMA GSP simulation run based on no pumping cutback (base case) is used for simulations
- 1930-1969 hydrology with 2070 climate factor adjustment is used

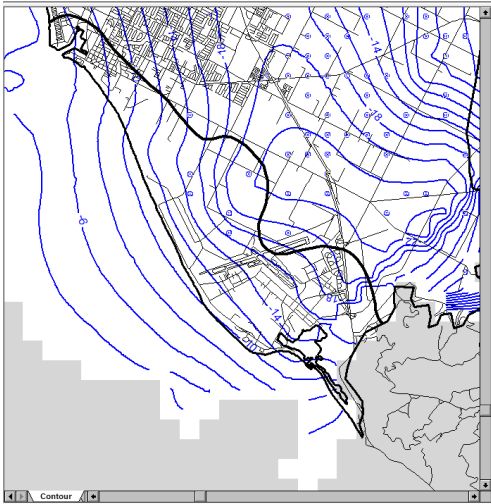
Scenario	Extraction rate (AFY)	Treated water for usage (AFY)	Treated water usage (AFY)			Oxnard well number	Mugu well number	Oxnard Extraction (AFY)	Mugu Extraction (AFY)
			Navy	PTP	PV				
No Action	0	0	0	0	0	0	0	0	0
Phase 1	3500	0	0	0	0	5	2	2500	1000
5K W	5000	0	0	0	0	6	4	3000	2000
5K T	5000	2500	1500	500	500	6	4	3000	2000
10K	10000	5000	1500	1750	1750	12	10	6000	4000
15K	15000	7500	1500	3000	3000	16	12	10000	5000
20K	20000	10000	1500	4250	4250	20	20	14000	6000



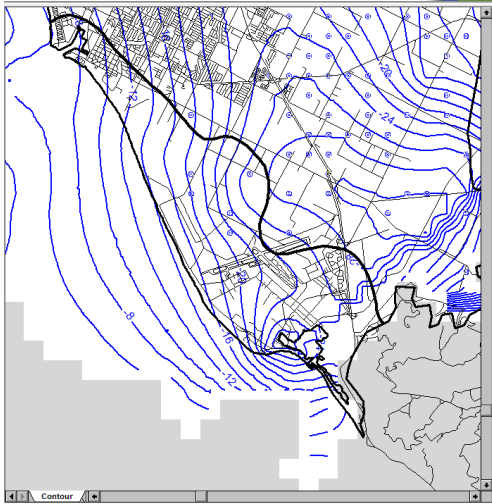
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Simulated Groundwater Level in **Oxnard** Aquifer in November 1965  
(end of a drought period)

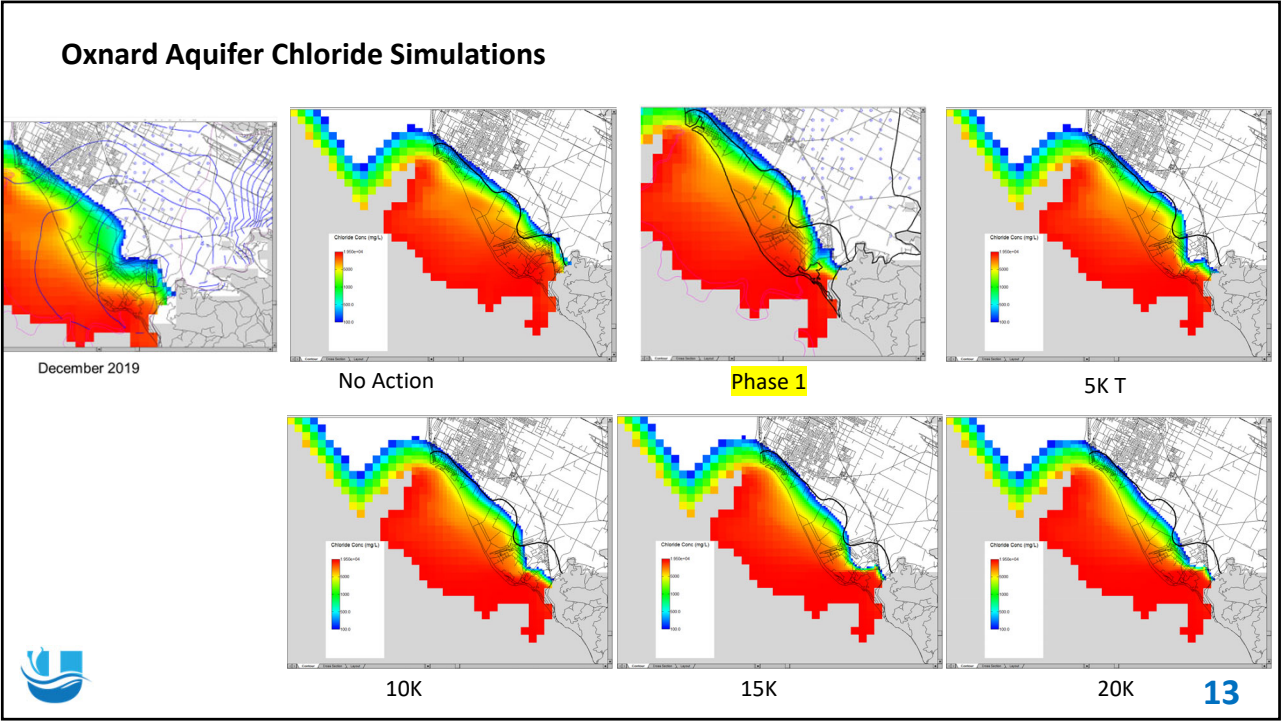


No Action (No Extraction Barrier Wells)

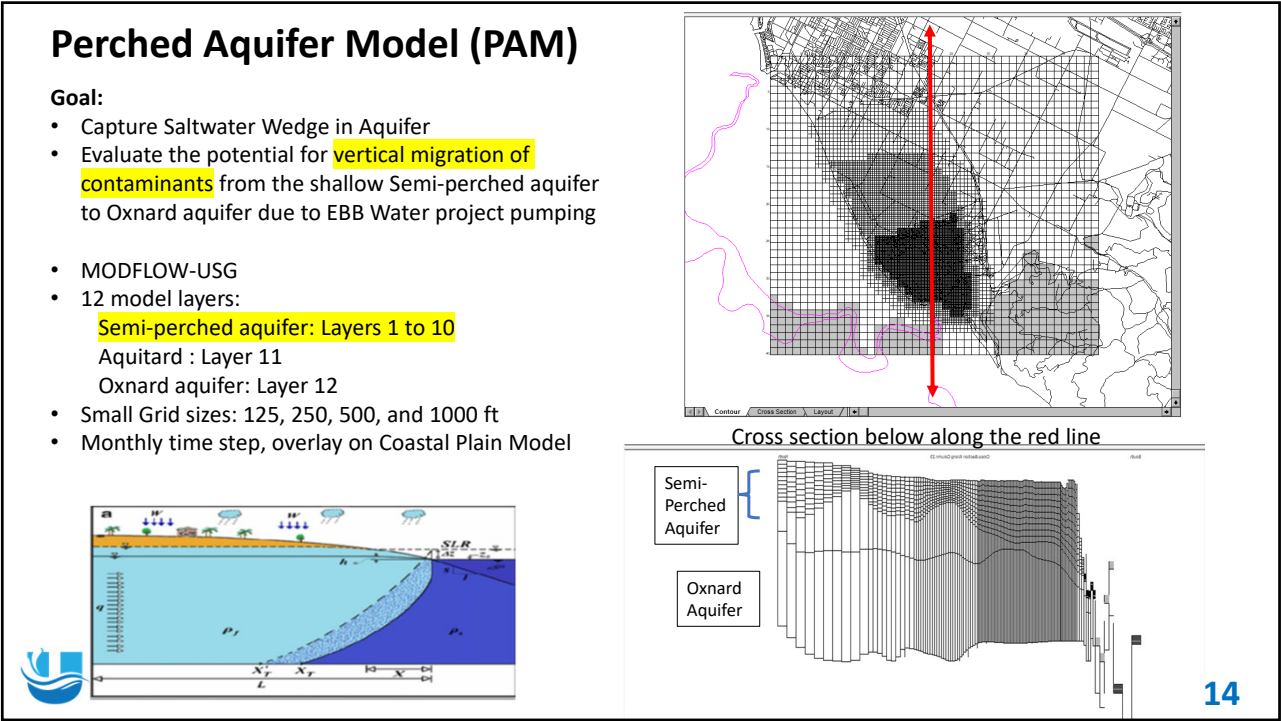


Phase 1 (2,500 AFY from Five Wells)

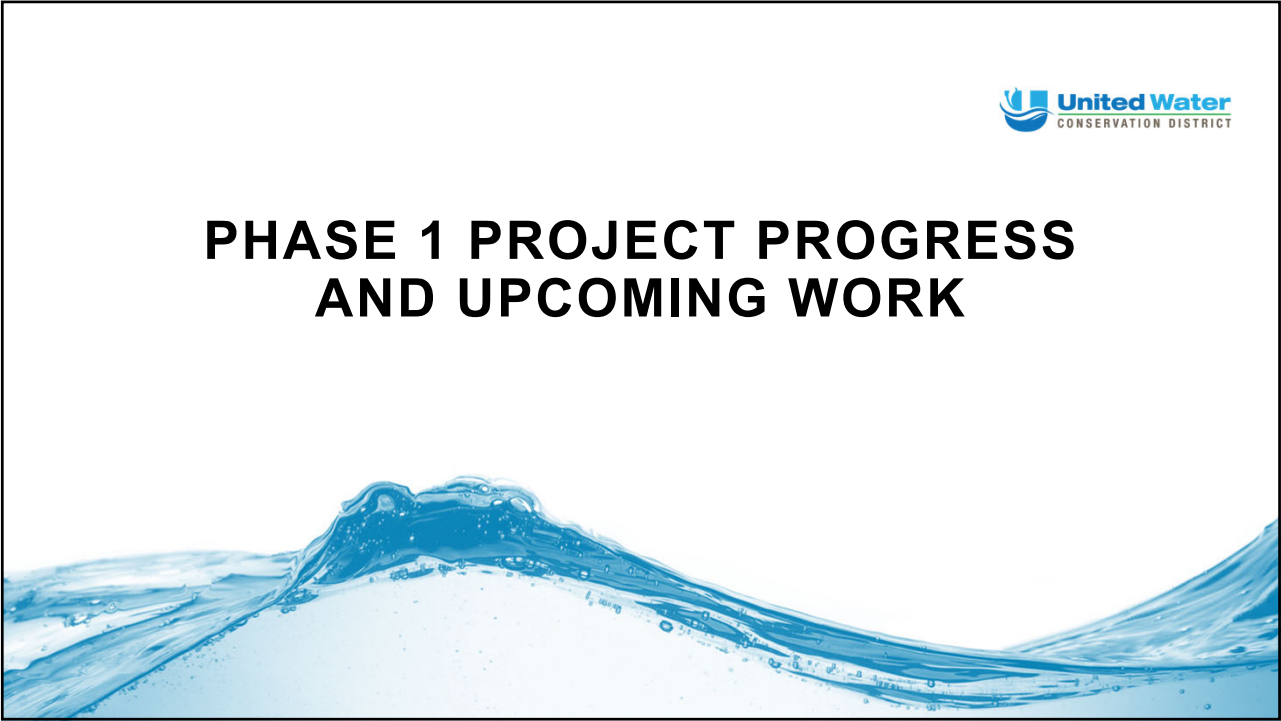
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15

### Baseline Water Quality Sampling Event in April 2022

**Project Location:**  
NBVC Point Mugu, existing Oxnard aquifer monitoring wells.

**Purpose:**  
Establish baseline levels for expanded list of constituents.  
Required for flow understanding, permits, treatment process.

**Monitoring Wells:**

- Sampled three monitoring wells.
- Screened in Oxnard aquifer (180-240 ft. below ground surface).
- Well #1 – representative of seawater.
- Well #3 – representative of freshwater.

**Event Details:**

- Sampled over 300 constituents.
- Low flow sampling - pump intake placed within the screens to reduce mixing with stagnant water and minimize drawdown.

An aerial photograph of the project area at NBVC Point Mugu. Three monitoring wells are identified with yellow dots and numbered white boxes: Well 1 is located near the coastline, Well 2 is inland, and Well 3 is further inland. A red line outlines the project boundary. The map shows a mix of green fields, brown agricultural land, and some buildings.

16

## Preliminary Results

**Inorganic Constituents and General Parameters**

- Inorganic constituents that showed results exceeded Secondary MCLs were consistent with historical sampling results (for example – high salinity (seawater influence) in wells #1 and #2).

**Organic Constituents and other Contaminants**

- No samples detected organic contaminants.
- Sampled for volatile organic compounds (VOCs), pesticides, PCBs, synthetic organic contaminants, explosives, disinfectant byproducts.

**Constituent of Special Interest: PFAS**


- Available results for PFOS and PFOA show no detections.

**Radioactive Constituents**

- Natural to environment.
- Low level detections were below Primary MCLs.

**Microbial Indicators**

- No samples detected indicator bacteria for fecal contamination (E. Coli, Enterococci).
- Low level detections of total coliform likely related to un-sanitized equipment used for routine monitoring.



17

17

## Phase 1 Project

➔

### Phase 1A


### Exploration and Development Phase

- Field Exploration Activities (Planning, Design and Permitting Efforts)
- District’s Right-of-Access through License Agreement 1A (2022-2025)

### Phase 1B

### Implementation Phase

- Construction of Seven (7) Groundwater Extraction Wells, Installation of up to Six (6) Monitoring Well Clusters, and Discharge of Extracted Water



18

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# Phase 1 Project

## Requests for Qualifications/ Proposals:

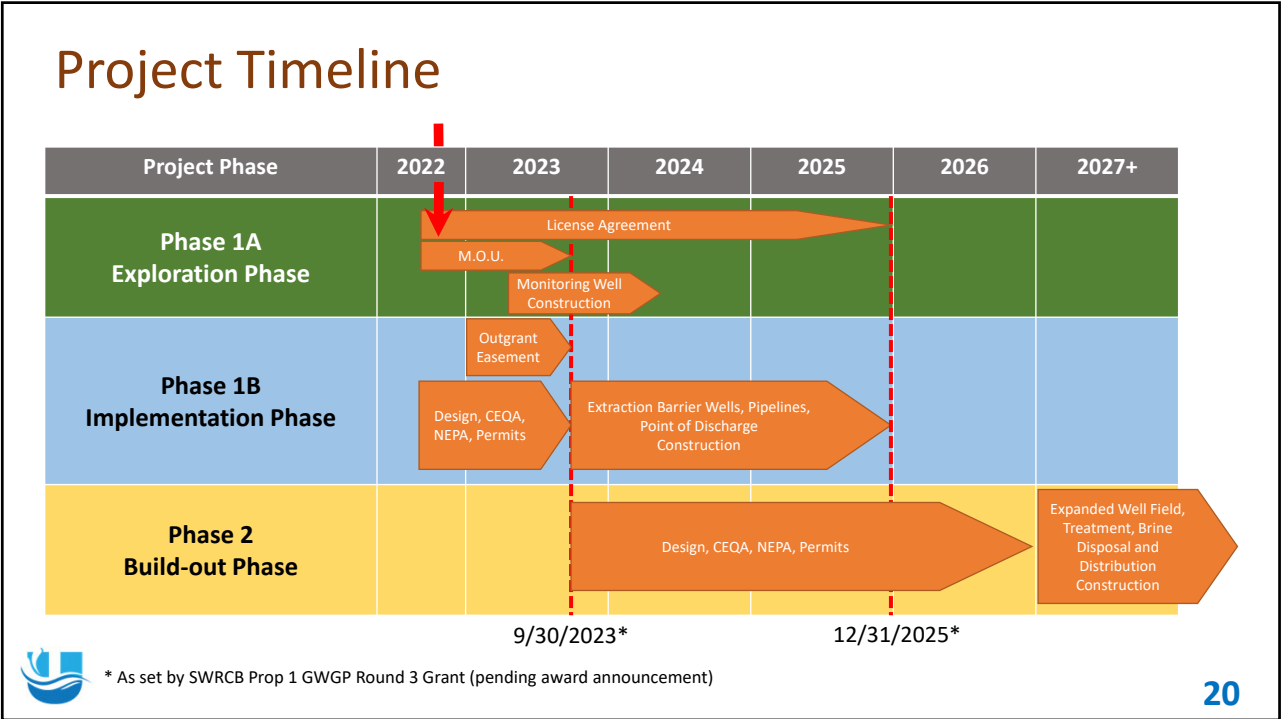
☐ CEQA and Permitting Services

- Released on Aug 8
- Proposals due on Sept 15

☐ Design Services

- Released on Aug 12
- Proposals due on Sept 22

19





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# Project Phases

➔Phase 1A

Exploration and Development Phase

- Field Exploration Activities (Planning, Design and Permitting Efforts)
- District's Right-of-Access through License Agreement 1A (2022-2025)

Phase 1B

Implementation Phase

- Construction of Seven (7) Groundwater Extraction Wells, Installation of Monitoring Wells, and Discharge of Extracted Water

Phase 2

Build-out Phase

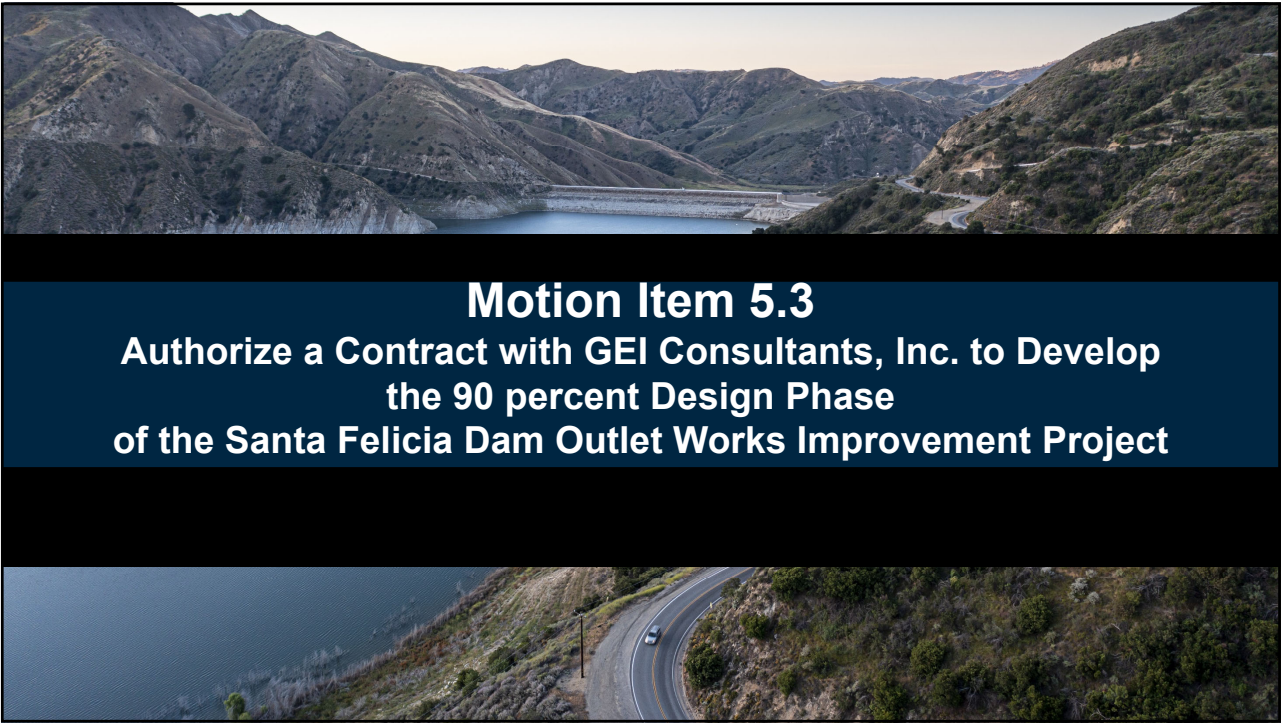
- Construction of Additional Extraction Wells, Water Treatment Plant, Drinking Water Delivery to U.S. Navy, Distribution Pipes, and Brine Disposal

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## Extraction Barrier and Brackish Water Treatment Project

- August 2-** Coordination Meeting with Calleguas MWD – Discussed Discharge Options to SMP
- August 10-** Fourth Navy Leadership Meeting between NBVC and United – Discussed License Agreement 1A, M.O.U, Public Outreach, and Funding Sources
- August 24-** Finalized Draft License Agreement 1A






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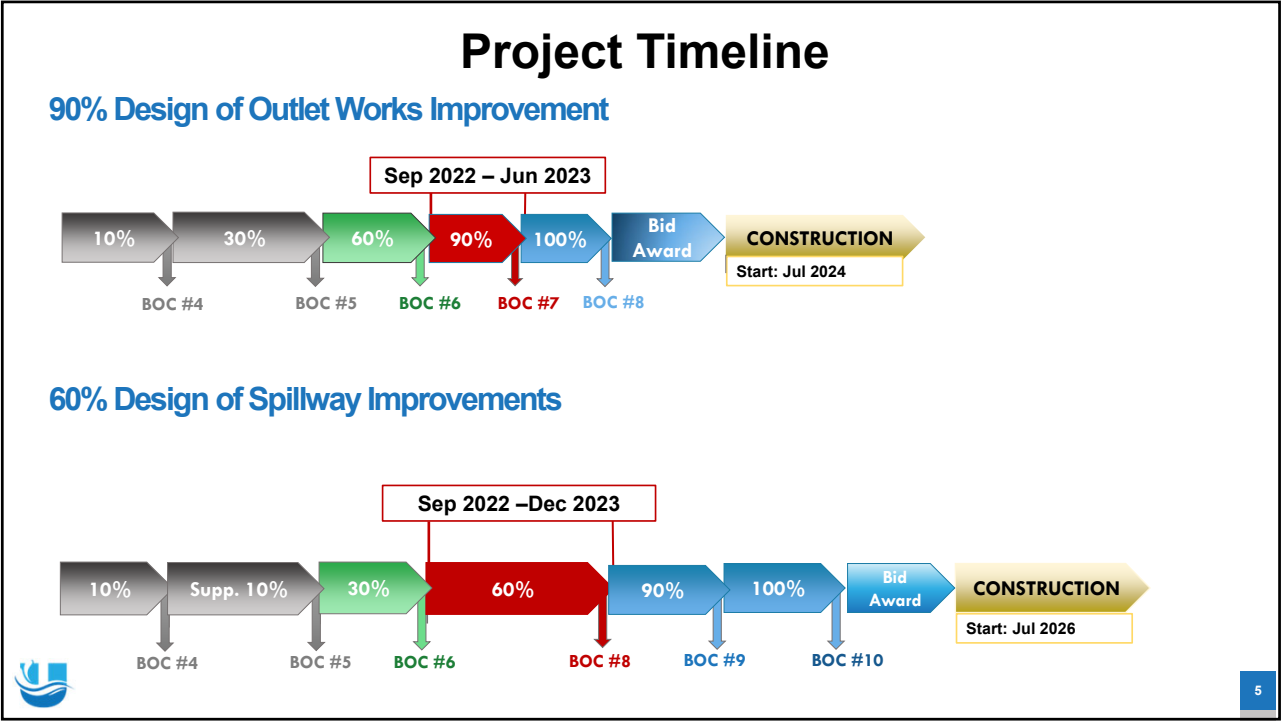
## Outlet Works Improvement Project - 90% Design

- ☐ Scope of Work (highlights):
  - Additional Analyses and Design Development
  - Basis of Design and Design Reports, Plans Drawings and Specifications
  - Geotechnical Baseline Report
  - Constructability Report and Updated Engineering Cost Estimate
  - **3D Design Rendering Model of the Improvements**
  - **Operations and Maintenance Manual**
  - **Reservoir Operations Plan during Construction**
  - **BOC Meeting #7 (May 2023)**
  - UWCD Board Presentation (optional)
  - Construction Schedule (Approved by FERC) - July 2024 to August 2026
- ☐ Design Fee:
  - \$1,502,018



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## Spillway Improvements Project - 60% Design

☐ Scope of Work:

▪ Additional Analyses and Design Development

▪ Basis of Design and Design Reports, Plans Drawings and Specifications


▪ Constructability Report and Updated Engineering Cost Estimate

▪ **BOC Meeting #8 (Oct 2023)**

▪ UWCD Board Presentation (optional)

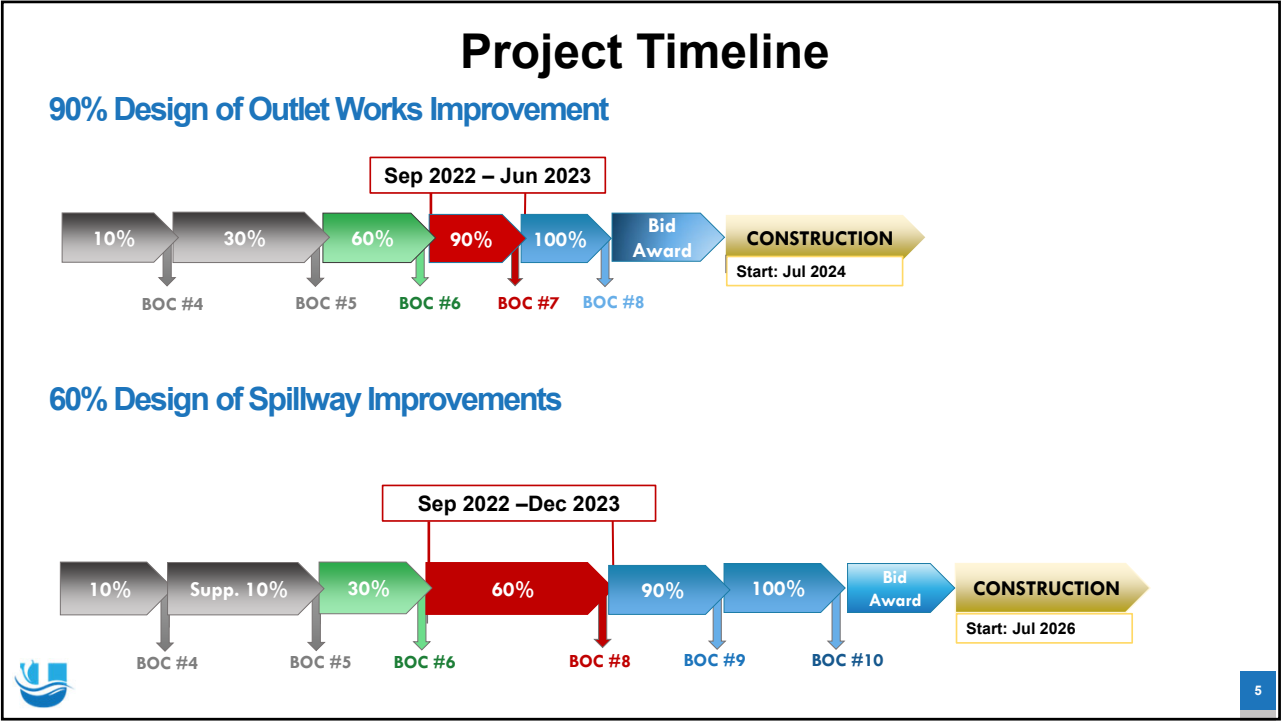
☐ Fee and Schedule:

▪ \$917,004



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OPERATIONS AND MAINTENANCE

Motion Item 5.5 - Five Year Purchase of State Water  
from Casitas Municipal Water

September 14, 2022



1

Percent allocated (availability)	Water Received (AF)	Cost per AF	Conveyance Cost/AF	Total to CMWD	Total Cost of water
5%	250	\$700	\$300	\$175,000	\$250,000
10%	500	\$700	\$300	\$350,000	\$500,000
15%	750	\$700	\$300	\$525,000	\$750,000
20%	1000	\$600	\$300	\$600,000	\$900,000
25%	1250	\$575	\$300	\$718,750	\$1,093,750
30%	1500	\$550	\$300	\$825,000	\$1,275,000
35%	1750	\$525	\$300	\$918,750	\$1,443,750
40%	2000	\$500	\$300	\$1,000,000	\$1,600,000
45%	2250	\$475	\$300	\$1,068,750	\$1,743,750
50%	2500	\$450	\$300	\$1,125,000	\$1,875,000
55%	2750	\$425	\$300	\$1,168,750	\$1,993,750
60%	3000	\$400	\$300	\$1,200,000	\$2,100,000
65%	3250	\$375	\$300	\$1,218,750	\$2,193,750
70%	3500	\$350	\$300	\$1,225,000	\$2,275,000
75%	3750	\$325	\$300	\$1,218,750	\$2,343,750
80%	4000	\$300	\$300	\$1,200,000	\$2,400,000
85%	4250	\$275	\$300	\$1,168,750	\$2,443,750
90%	4500	\$275	\$300	\$1,237,500	\$2,587,500
95%	4750	\$275	\$300	\$1,306,250	\$2,731,250
100%	5000	\$275	\$300	\$1,375,000	\$2,875,000



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# Questions?

