



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

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

MINUTES
REGULAR BOARD MEETING

Wednesday, April 14, 2021, 12:00 P.M.
Board Room, UWCD Headquarters
1701 N. Lombard Street, Oxnard CA 93030

Meeting was held in person at UWCD's Boardroom and virtually via WebEx

Board Members Present

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

Staff Present

Mauricio E. Guardado, Jr., general manager
David D. Boyer, legal counsel
Dr. Maryam Bral, chief engineer (virtual participation)
John Carman, operations and maintenance program supervisor (virtual participation)
Brian Collins, chief operations officer
Dan Detmer, supervising hydrogeologist
Anthony Emmert, assistant general manager
Joseph Jereb, chief financial officer
Kathleen Kuepper, hydrologist (virtual participant)
Josh Perez, human resources manager
Zachary Plummer, IT administrator
Linda Purpus, environmental services manager (virtual participation)
Kris Sofley, executive administrative coordinator/clerk of the board
Dr. Bram Sercu, senior hydrologist
Clayton Strahan, chief park ranger
Dr. Jason Sun, senior hydrogeologist/modeler (virtual participation)

Public Present

Burt Handy (virtual participation)
Pat Kelley (virtual participation)
Aubrey Mescher, Rincon Consultants (virtual participation)
Tony Morgan, Daniel B Stephens & Associates (virtual participation)
Brian Wheeler, AALRR (virtual participation)

1. FIRST OPEN SESSION 12:00 P.M.

President Mobley called the meeting to order at 12:00p.m. and asked the District's Legal Counsel David Boyer to announce what the Board will discuss in Executive (Closed) Session.

Mr. Boyer said the Board would be discussing five cases of existing litigation, including three cases with the City of San Buenaventura, one case with Wishtoyo Foundation and one case brought by the Dorsey family regarding the Rivera estate; and one case of anticipated litigation.

**1.1 Public Comments
Information Item**

President Mobley asked if there were any public comments at this time; none were offered.

1.2 EXECUTIVE (CLOSED) SESSION 12:04 P.M.

President Mobley adjourned the meeting into Executive (Closed) session at 12:04p.m.

2. SECOND OPEN SESSION AND CALL TO ORDER 1:10 P.M.

President Mobley called the Second Open Session of the Board meeting to order at 1:10 p.m. and asked the Clerk to call roll. All seven Directors (Berger, Dandy, Hasan, Maulhardt, McFadden, Naumann, Mobley) were present.

2.1 Pledge of Allegiance

President Mobley asked Director Maulhardt to lead everyone in reciting the Pledge of Allegiance.

**2.2 Public Comment
Information Item**

President Mobley asked if there were any public comments; none were offered.

**2.3 Approval of Agenda
Motion**

President Mobley asked General Manager Mauricio Guardado if there were any changes to the agenda. Mr. Guardado responded that there were no changes.

Motion to approve the agenda, Director Maulhardt; Second, Director Berger. Roll call vote: seven ayes (Berger, Dandy, Hasan, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion to approve the agenda carries unanimously 7/0.

**2.4 Oral Report Regarding Executive (Closed) Session
Information Item**

District Legal Counsel David D. Boyer reported that the Board took no action in Executive (Closed) session that is reportable under the Brown Act.

2.5 Board Communication

Information Item

Director McFadden reported his attendance at two Fillmore and Piru Basins GSA Board meetings as well as a Special Board meeting for the agency. He also attended the UWCD Water Resources Committee meeting and met with District consultant Dr. William Mathis on April 9.

Director Naumann reported that March was a very busy month which included virtual meetings with various elected and regulatory officials in Washington, DC. He also met with District consultant Dr. William Mathis, with District legal counsel and with Director Dandy; he participated in California Special District Association's training webinars and attended the virtual Regional Defense Partnership for the 21st Century meeting. He also reported that he and Director McFadden met with Ventura County Supervisor Kelly Long, that he attended a prep meeting with President Mobley, the GM and UWCD staff prior to his attendance at the Fox Canyon GMA Stakeholder meetings and Board meeting, the Pleasant Valley County Water District's Special Board meeting, and various ACWA and AWA-VC meetings.

Director Berger reported that he also participated in the virtual meeting with elected and regulatory officials in DC along with the GM, Director Dandy and Director Naumann. He also reported attending several AWA-VC meetings, the UWCD Recreation Committee on April 7, and the UWCD Finance Committee on April 13. He also reminded everyone that Phil McGrath would be the guest speaker at tomorrow's (April 15) AWA-VC Virtual WaterWise event.

Director Dandy reported his participation at the March 9 UWCD Finance Committee meeting and the March 10 UWCD Board meeting. He also attended a UWCD Executive Committee meeting, the virtual meetings with elected and regulatory officials from DC, participated in CSDA training on March 3 and 4; was elected to the presidency of the Ventura County Special Districts Association on March 9 at its Board meeting, which he attended. He also attended two AWA-VC meetings, three ACWA virtual legislative meetings, met with the GM and met with Ventura County Supervisor Carmen Ramirez.

Director Maulhardt reported his attendance at the UWCD Finance Committee on April 13 and the UWCD Water Resources Committee meeting on April 12. He also joined the GM in a meeting with Oxnard City Councilmember Bryan MacDonald.

Director Hasan reported his participation in the UWCD Recreation Committee meeting on April 7 in addition to virtual meetings including the AWA Water Issues and WaterWise meetings, a meeting with Dr. Mathis, SDRMA online training webinars and attended the Ventura Water Commission. He also made a statement and invited other board members and the public to join him in condemning racism,

xenophobia, violence and hate crimes against Asian Americans and Pacific Islanders.

President Mobley reported his participation at the Mound Basin GSA meeting on March 18, a Fox Canyon GMA meeting on March 24 and a prep meeting with UWCD GM and staff in advance of the Fox Canyon meeting, a special meeting of the Ventura Water Commission on March 30, a meeting and tour of Naval Base Ventura on March 29 to look at the Navy's desal treatment facility, a Zoom meeting with Ventura County Supervisor Carmen Ramirez, and a Board prep meeting with UWCD's GM.

2.6 General Manager's Report

Information Item

General Manager Mauricio Guardado shared information with the Board regarding the virtual meetings with legislators and regulators in Washington, DC, reporting that the District's relationships are expanding and partnerships are forming that are based on the District's outreach and educational efforts that have resulted in increased awareness of the District's activities as well as increasing the willingness of elected officials to step in, get involved and help the District with some of its regulatory and funding challenges.

He also reported that Chief Engineer Dr. Maryam Bral is continuing to well-represent the District, engaging staff and the Navy's team in productive joint meetings, encouraging facilities tours, and continuing to define the roles and responsibilities of both District and Navy staff regarding the Coastal Brackish Groundwater Treatment Plant project. Mr. Guardado reported that the Navy are all in and that the partnership between the Navy and the District is solid and continues to develop.

Mr. Guardado also thanked Directors Dandy, Hasan and Naumann for taking part in the special training webinars offered by California Special Districts Association (CSDA). He also credited HR Manager Josh Perez and Safety and Security Program Coordinator Tony Huynh for assisting the Directors' participation, noting that these training opportunities have resulted in \$47,000 in insurance savings to the District.

Mr. Guardado reported that later in April, the General Manager of Palmdale Water District and members of his staff will tour the UWCD facilities and that he was optimistic about where this partnership could go.

Director Hasan, Director Naumann and President Mobley provided positive comments to Mr. Guardado on his efforts.

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 March 10, 2021.

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 follow the District's investment policy, which is reviewed and approved annually by the Board.

President Mobley asked if there were any questions or comments, or if any of the Board wished to pull an item from the Consent Calendar for discussion. None were offered.

Motion to approve the Consent Calendar items, Director Naumann; Second, Director Berger. Roll call vote: seven ayes (Berger, Dandy, Hasan, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries unanimously 7/0.

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

Water Resources Department – Maryam Bral

4.1 **PUBLIC HEARING**

Opening of Annual Groundwater Hearing to Accept Comment on Groundwater Conditions within the District

President Mobley opened the annual Groundwater Hearing, stating that:

In accordance with the District's principal act in the California Water Code, the Board annually conducts a public hearing to consider the conditions of groundwater resources within the District. An "Annual Investigation and Report of Groundwater Conditions" was submitted to the Secretary/Treasurer of the Board on March 30, 2021 and has been available for public review and comment. This hearing will be opened and continued to the regular May 2021 and June 2021 Board meetings. At this meeting, staff will give a report about current groundwater

conditions, and members of the public will be permitted to give testimony. At its June 10, 2021 meeting, the Board may choose to close the hearing and consider the establishment of zones and the levying of groundwater extraction charges in those zones.

President Mobley asked if there were any public comments at this time. None were offered.

President Mobley then continued the Public Hearing first until Wednesday, May 12, 2021, and again to Wednesday, June 9, 2021. He also reminded everyone that the Board decisions will not be made until the final Public Hearing on June 9, 2021.

Park and Recreation Department – Clayton Strahan

4.2 Resolution 2021-08 Lake Piru Recreation Area Fees, Fee Administration, Loyalty Rewards Program, and Reservation/Cancellation/Refund Guidelines Motion

Chief Ranger Clayton Strahan addressed the Board and walked them through the various changes to the Lake Piru Recreation Area fees and administration of fees as well as the new Loyalty Rewards Program and Guidelines for handling Overnight Camping Reservations, Cancellations and Refunds, including defining peak and non-peak periods, a \$10 service fee for online reservations, a \$50 cancellation fee for group sites and a \$100 refundable cleaning/security deposit for group sites. He also reported the Recreation Committee's recommendation that Wi-Fi access fees be rounded to whole dollar amounts (\$9 per day; \$22 per week; and \$39 per month).

Director Maulhardt said he thought the group sites cleaning/security deposit was too low and Chief Strahan explained that most group site reservations are from non-profit and religious groups that do not have the funding to provide larger deposits. He also said that if a group left the campsites dirty, a citation would be issued which would require a Superior Court appearance and that the \$100 refundable cleaning/security deposit was consistent with Casitas, Castaic and State Parks. Mr. Guardado suggested tracking the number of cleaning/security violations over a specific amount of time and if it were deemed necessary, the District could always increase the cleaning/security deposit amount. Director Berger thought that was a workable solution, stating that staff are much more observant than third-party managers and yielded to Chief Strahan's recommendation.

Motion to approve Resolution 2021-08, establishing Lake Piru Recreation Area Fees, Fee Administration, Loyalty Rewards Program and Reservation, Cancellation, Refund Guidelines, Director Maulhardt; Second, Director Hasan. Roll call vote: seven ayes (Berger, Dandy, Hasan, Maulhardt, McFadden, Naumann, Mobley), none opposed. Motion carries unanimously 7/0.

5. PRESENTATIONS AND MONTHLY STAFF REPORTS (By Department)

Operations and Maintenance – Brian Collins

5.1 Monthly Operation and Maintenance Department Report

Information Item

Brian Collins supplemented his monthly department report with a presentation (see attached) to the Board. Among the topics covered were the preparation for the Sanitary Survey of Lake Piru's Water Treatment pump barge by the Division of Drinking Water's Sanitary Inspector, which went well. He spoke about the District's surface water deliveries, nitrate levels at El Rio, the Iron and Manganese treatment plant, and updating the District's Water System Emergency Response Plan. Mr. Collins also provided images of a repair of turnout #149 on the PTP system and concluded by discussing State Water Project allocations, which are currently estimated at 5% of allocations.

President Mobley asked if there were any comments or questions for Mr. Collins. None were offered.

Park and Recreation Division – Clayton Strahan

5.2 Monthly Park and Recreation Department Report

Information Item

Chief Strahan offered the Board some good news in his presentation (see attached) regarding operations and items of note relative to the Lake Piru Recreation Area. Day Use, visitors and revenue were all significantly up over last year and camping was on par with previous year reservations.

Director Maulhardt asked how many non, partial and full hook up sites are currently available at Lake Piru. Chief Strahan answered there are over 100 basic campsites, 96 campsites with electrical hook-ups and 12 campsites will full hook-ups. He added that there is a plan in place to increase the number of electrical hook-up sites in the future and that staff were currently in the process of updating the Lake Piru Recreation Area master plan.

Director Berger congratulated Chief Strahan on the increases across all revenue, including filming revenue and sales of firewood, et cetera, adding that 100 percent of that profit goes to the District. He also mentioned plans to invite food trucks and add vending machines and said that Chief Strahan was doing a yeoman's job in managing the recreation area and staff and that Director Berger was very impressed. Director Maulhardt agreed, stating that he has never felt this level of energy, enthusiasm and professionalism from the Recreation department and was also impressed by the level of collaboration between departments which created a new level of confidence. Director Maulhardt also suggested that, in the near future, staff should organize a special Board meeting at Lake Piru and provide Directors with a tour of the Lake, Dr. Bral's dam project so that all could have an appreciation for how much work was being done. President Mobley agreed and suggested September or October as possible dates for the Special Board meeting at Lake Piru.

Chief Strahan thanked Chief Finance Officer Joseph Jereb and Chief Engineer Dr. Maryam Bral as well as Operations and Maintenance staff for all their help in pulling together to make this new management operation successful.

President Mobley asked if there were any more comments or questions for Chief Strahan. None were offered.

Water Resources Department – Maryam Bral

5.3 Monthly Water Resources Department Report Information Item

Supervising Hydrogeologist Dan Detmer asked the Board if there were any questions regarding the staff's monthly department report and none were expressed. He then began the Water Resources' department presentation (see attached), which provided information regarding the level of Lake Piru (low at 19,000AF) diversions at the Freeman (2000 AF versus average for the month which is about 8,000 AF) and demonstrated through slides that the watershed was experiencing very dry conditions.

Mr. Detmer then invited Senior Hydrologist Dr. Bram Sercu to the podium to continue the presentation on Drought Conditions. Director Naumann asked Dr. Sercu if PTP and PV customers had been updated that there will most likely not be any opportunities for water, and suggested staff consider providing such an update. Mr. Guardado said that the District had not sent out any notices, but that the PTP and OH pipeline users would be meeting in May and that would be discussed at those meetings. Director Maulhardt suggested including drought notices in the mailing of meeting invitations and information to customers, possibly even doing a severe drought alert notice. Clerk of the Board confirmed that she would communicate that request to the admin team working on meeting invites, notifications and presentations.

Dr. Sercu said this was the new normal and that 2010 to 2020 have been very dry years, but that Piru, Fillmore and Santa Paula basins are all at good levels, but that the Forebay was not in as good a shape. Dr. Sercu then turned the presentation over to Senior Hydrogeologist/Modeler Dr. Jason Sun.

Dr. Sun updated the Board on the expanding groundwater model and how the District was using this valuable tool to help the region's GSAs with groundwater sustainability plans. He said a report on the model expansion had been reviewed by an expert panel earlier in April and all agreed that it was good. Dr. Sun said the model validation report was currently being drafted and the draft GSP Simulation report was in review. Dr. Sun mentioned that the expert panel was comprised of Jim Carnbaugh, Dr. Sorab Panday and John Porcello.

President Mobley asked if there were any more comments or questions for the Water Resources team. None were offered.

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

Information Item

Mr. Detmer updated the Board on GSA activities (see attached slides).

President Mobley asked if there were any comments or questions for Mr. Detmer.

None were offered.

Administrative Services Department – Joseph Jereb/Josh Perez

5.5 Monthly Administrative Services Department Report – Anthony Emmert

Information Item

The Board received a summary report on Administration Department activities.

President Mobley asked if there were any more comments or questions for the Administrative Services Department.

Director Dandy said he would like to compliment Joseph Jereb on the changes to the format for reporting to the Finance Committee. Director Maulhardt stated that he had raised concerns previously during the committee meeting, asking to see the correlation by department to the budget and that Joe did a good job on developing a format for reporting that information.

President Mobley asked if there were any more comments or questions for the Administrative Services department. None were offered.

Engineering Department – Maryam Bral

5.6 Monthly Engineering Department Report

Information Item

The Board received a summary report on various water resources, planning efforts and department programs affecting the District, including, but not limited to design and construction; dam safety; FERC license compliance; Freeman Diversion; recycled water; pipeline operations and various engineering analysis.

President Mobley asked if there were any comments or questions for Dr. Bral. None were offered.

Environmental Services Department – Linda Purpus

5.7 Monthly Environmental Services Department Report

Information Item

The Board received a summary report on environmental and regulatory issues of note to the District.

President Mobley asked if there were any comments or questions for Environmental Services Manager Linda Purpus. None were offered.

6. BOARD OF DIRECTORS READING FILE

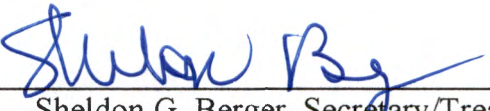
7. FUTURE AGENDA ITEMS

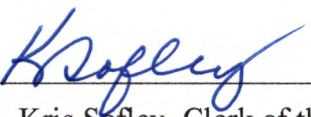
President Mobley asked if any of the Board members had any future agenda items they would like considered. None were offered.

8. ADJOURNMENT 3:50p.m.

President Mobley adjourned the meeting at 3:50p.m. to the **Regular Board Meeting scheduled for Wednesday, May 12, 2021** or call of the President.

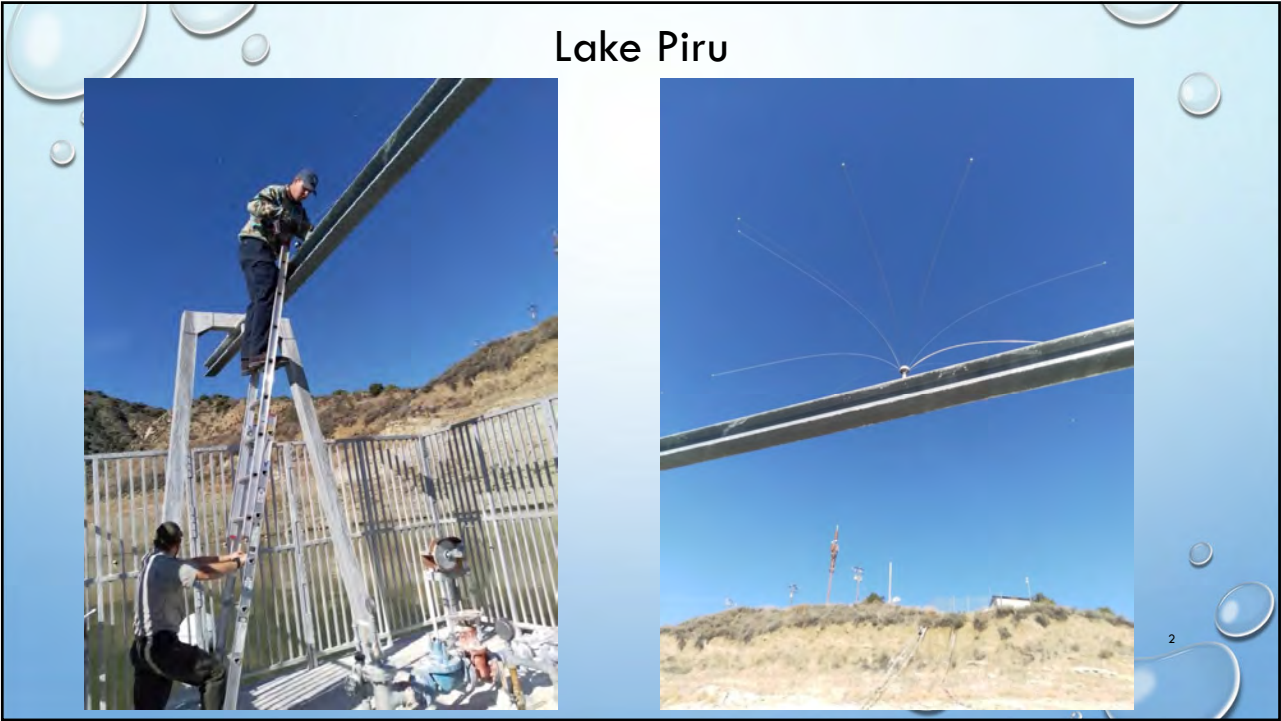
I certify that the above is a true and correct copy of the minutes of the UWCD Board of Directors meeting of April 14, 2021.

ATTEST: 
Sheldon G. Berger, Secretary/Treasurer

ATTEST: 
Kris Sofley, Clerk of the Board



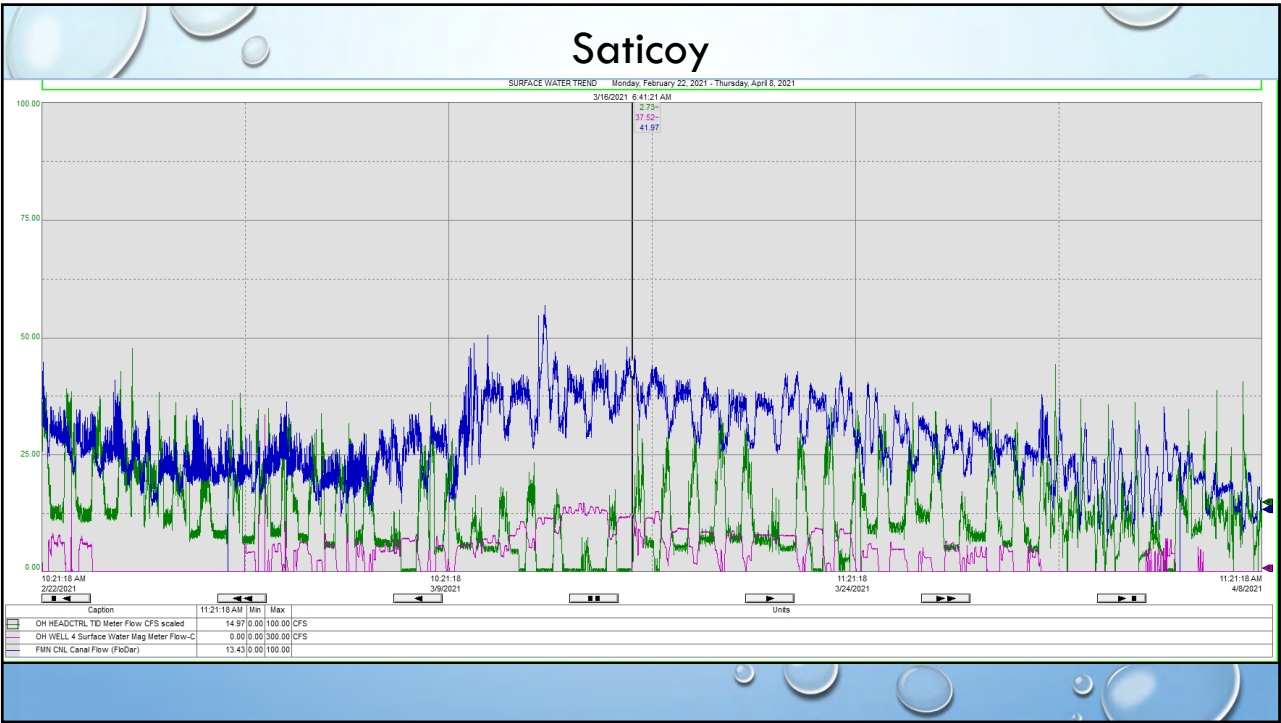
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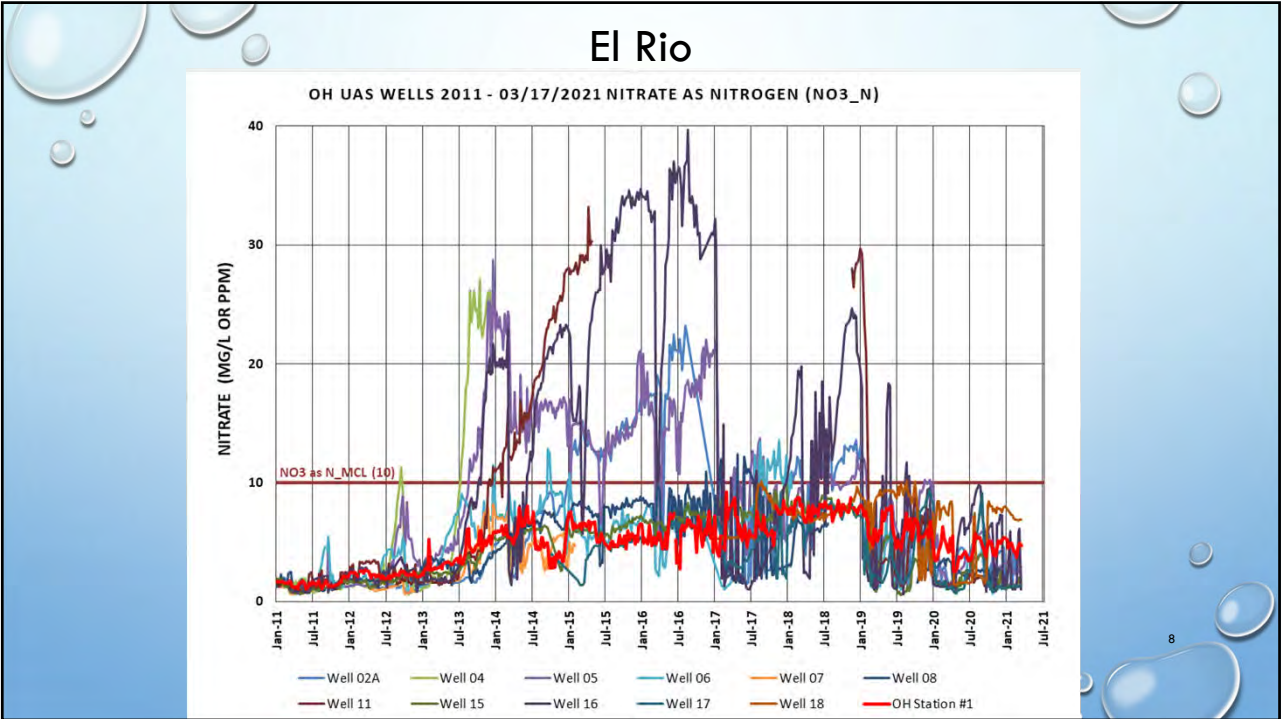
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United Water Conservation District

Water System Emergency Response Plan

Prepared by:
United Water Conservation District
March 15, 2021



1.0 Introduction

This section presents the purpose, goals, requirements, access control, and plan overview of the Emergency Response Plan (ERP) for United Water Conservation District. *Note that the ERP Activation process is described in Section 1.2 while the Action Plans for specific type of incidents (e.g., Chlorine Leak) is available in Appendix A (Section 1.3).*

1.1 Purpose

The purpose of this ERP is to provide United Water Conservation District with a standardized response and recovery protocol to prevent, minimize, and mitigate injury and damage resulting from emergencies or disasters of man-caused, natural, or dependency/proximity origin.

The ERP also describes how United Water Conservation District will respond to potential threats or actual scenarios identified in the vulnerability assessment (VA), as well as additional emergency response situations. Included in this ERP are specific action plans (APs) that will be used to respond to events and incidents.

1.2 Goals

The goals of this ERP are to:

- Rapidly restore water service after an emergency.
- Ensure adequate water supply for fire suppression.
- Minimize water system damage.
- Minimize impact and loss to customers.
- Minimize negative impacts on public health and employee safety.
- Provide emergency public information concerning customer service.


1.3 Requirement

This ERP has been designed to comply with Section 1433(b) of the Safe Drinking Water Act (SDWA) as amended by the Public Health Security and Bioterrorism Preparedness and Response Act of 2002 (Public Law 107-188, Title IV – Drinking Water Security and Safety), California Government Code Section 86092.2 – Public Water System Plans, California Health and Safety Code, Sections 116460, 116555 and 116750, and California Waterworks Standards, Section 64500.

United Water Conservation District assures that this emergency response plan incorporates the results of the VA completed for the water system and includes plans, procedures, and identification of equipment that can be implemented or used in the event of any and all hazards, including natural, man-caused, or due to dependency/proximity on the water system. United Water Conservation District has also provided a copy of the ERP to the local State Water Resource Control Board (SWRCB) Division of Drinking Water (DDW) Drinking Water Field Operations Branch District Office.

Whenever the ERP is changed or updated, a revised copy, or the specific revised documents, will be sent to the SWRCB DDW District Office.

9



BOIL WATER NOTICE

Boil Your Water Before Drinking or Food Preparation to Avoid Illness

Due to the recent [event], [e.g., water outage, power outage, flood, fire, earthquake, or other emergency], [e.g., both or none of them], the State Water Resources Control Board, Division of Drinking Water, the [County Name] County Health Department, and the [City Name] City Health Department are advising residents of [City Name] that they are advised to boil water before drinking and cooking purposes as a safety precaution to avoid [e.g., waterborne illness]. The affected area includes: [PROPERTY ADDRESS, STREET, CITY, STATE, ZIP CODE, ETC.]

We will inform you when the [event] that water is safe to drink, and you are advised to boil your water. We anticipate [e.g., the problem will be resolved within 24 hours].


If you have questions about other uses of tap water, such as bathing and clothes washing, please call your water system or read this guide [link].

<https://www.cdc.gov/flu/diseases/boiling-water>

Optional: Potable water is available at the following locations: [List locations]

Please bring a clean water container (5-gallon maximum capacity).

For more information, call [Phone Number] or visit [Website].




Do not drink the water without boiling it first.

- Boil water for one (1) minute (longer for higher altitudes).
- Let water stand before drinking.
- Use boiled or bottled water for drinking, food preparation, and other purposes.

If you are unable to boil your water, Household Water Treatment Units (HWTUs) are available at the following locations: [List locations]


Water Distribution Table:

Area	Water Distribution
[Area 1]	[Distribution Details]
[Area 2]	[Distribution Details]



Oxnard-Hueneme Emergency Response Plan

OH-ERP: Operational ICS Structure



The chart shows the hierarchy of the Operational ICS Structure, starting with the Incident Commander at the top, followed by various support and operational roles.

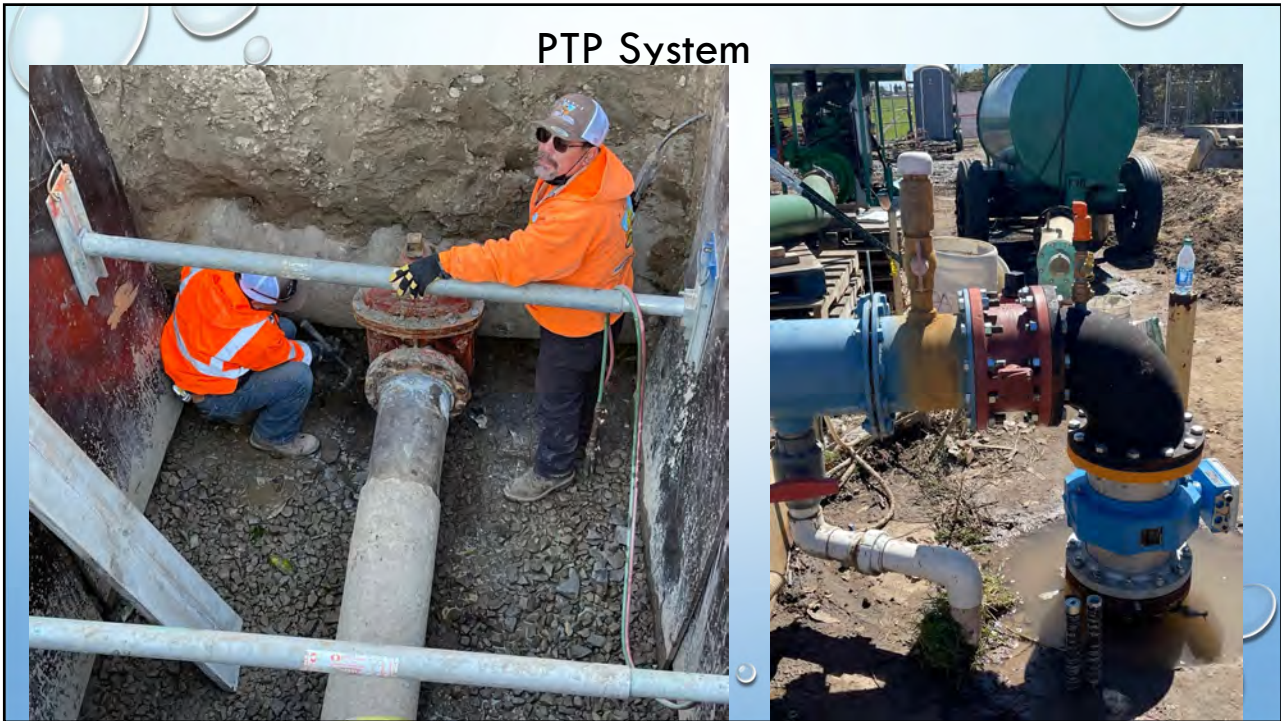
4.4.1 Operational Field ICS

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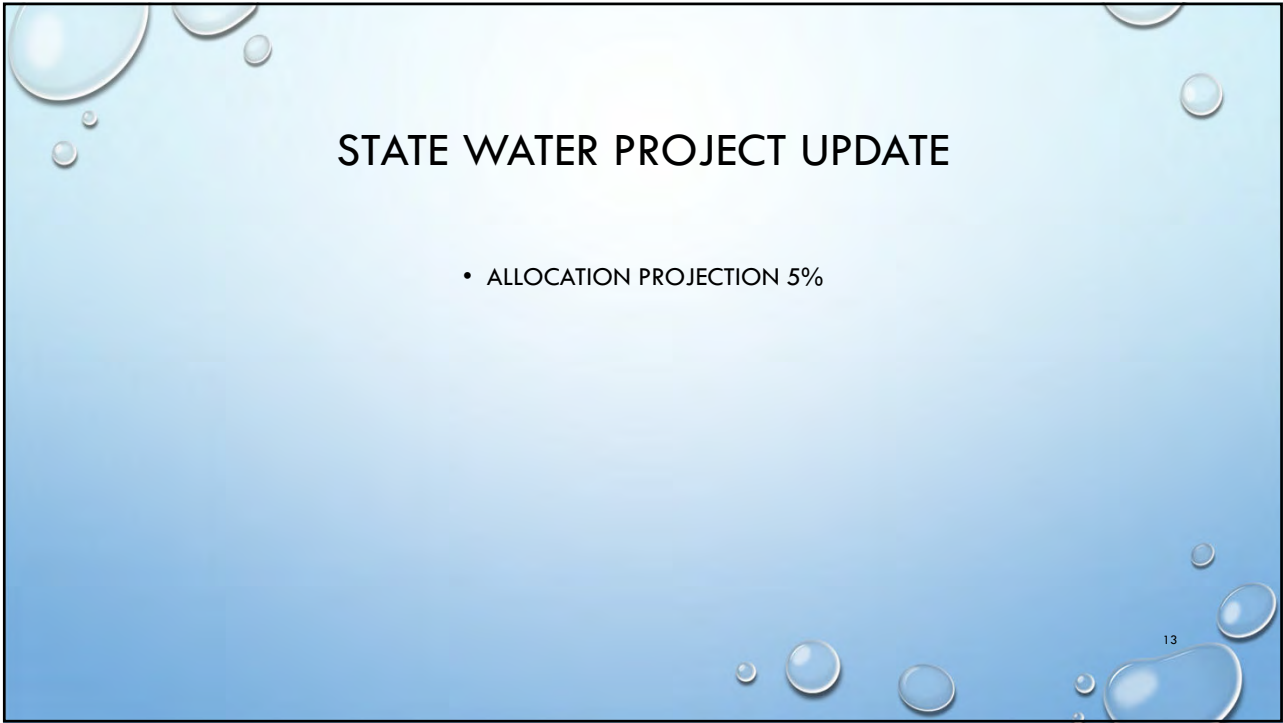
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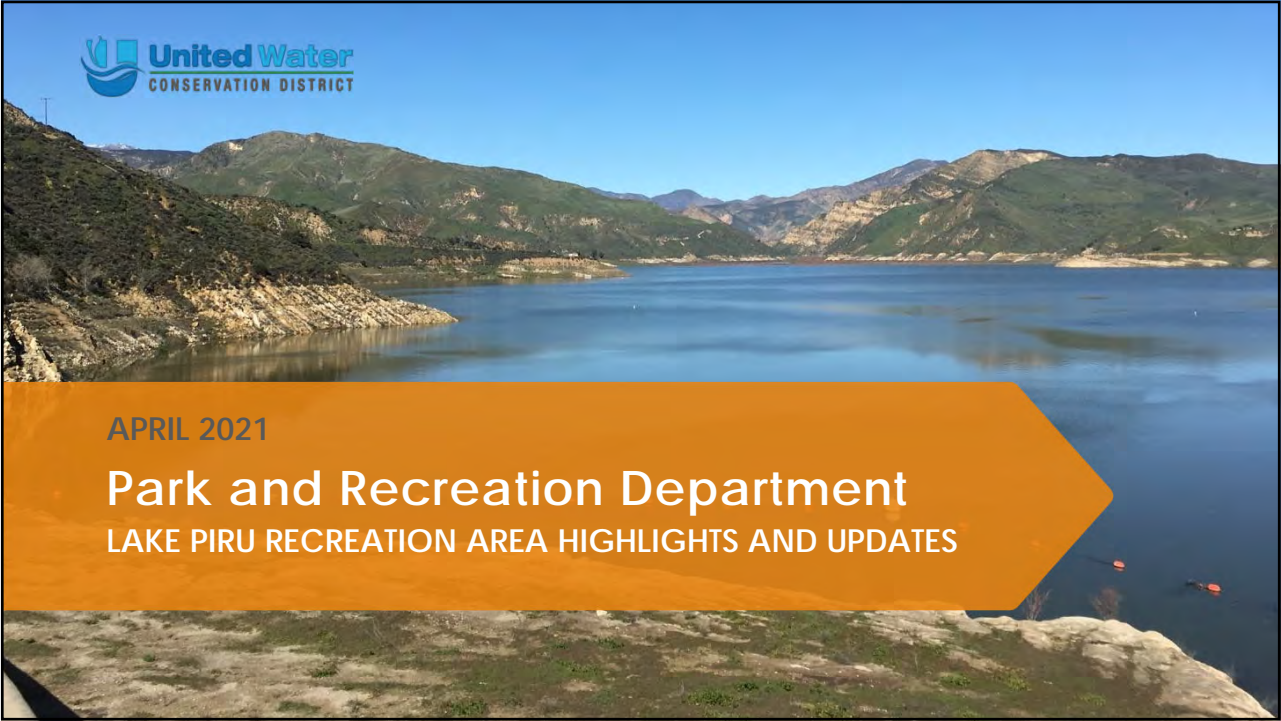
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Lake Piru Fees and Loyalty Rewards/Incentives Program

- **Approval of Loyalty Rewards/Incentives Program**
- **Approval of Proposed Changes to the Lake Piru Fee Schedule**
 - Amend vehicle fee from annual daily rate of \$14 to seasonal daily rates of \$10 (Oct-Mar) and \$14 (Apr-Sep)
 - Amend Group II nightly fee from annual flat rate of \$30 per night to seasonal rate of \$25 and \$32 per night
 - Amend daily motorcycle fee from \$9 to \$8
 - Amend reservation fee from \$9 to \$10
 - Adopt a \$100 refundable cleaning/security deposit for Group camp sites
 - Adopt a \$50 cancellation fee for group sites
 - Adopt Wi-Fi fees of \$9 p/d, \$22 p/w and \$39 p/m

United Water Conservation District

2



Reservations, Cancellations, and Refunds Guidelines

- Approve draft set of guidelines to address the following:
 - Cancellations
 - No-show Cancellations
 - Refunds
 - Reservations
 - Cleaning Deposits
 - Check In/Out Procedures

United Water Conservation District

3

Economic Update

2021 vs. 2020

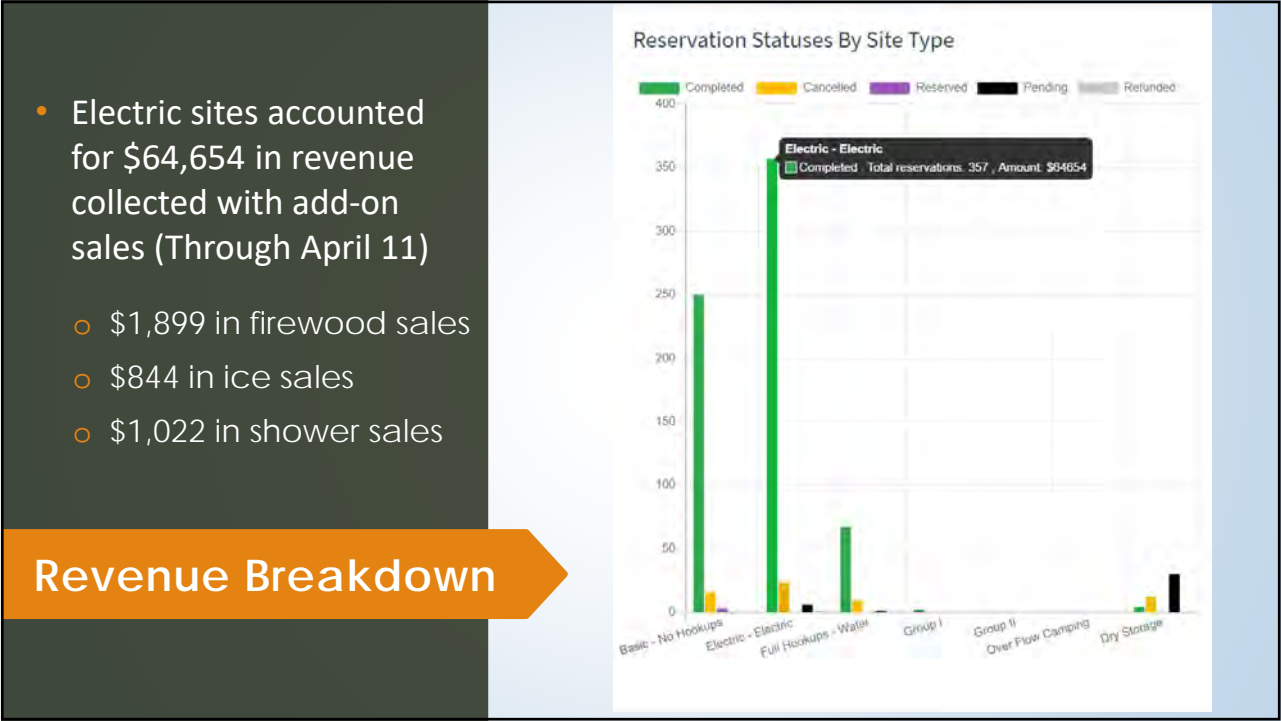
Day Use plus Camping Revenue and Visitation Comparison

Year	Day Use Revenue	Camping Revenue	Combined Revenue	Persons	Vehicles	Vessels
2021	\$52,145.50	\$64,843.60	\$116,721.20	8,280	4,011	773
2020	\$9,731.25	\$49,321.80	\$50,293.05	2,885	1,282	224
2019	\$11,361.00	\$110,065.39	\$121,426.39	7,228	3,313	254
2018	\$11,918.00	\$63,283.20	\$75,126.20	5,336	2,571	252

- All revenue and visitation figures are through March 31 of Each of the four calendar years shown
- **Day Use Revenue** saw an annual average growth rate of 50% over the 4-year average
- 337% increase in **Day Use Revenue** (2021 vs. same period 2018)
- 358% increase in **Day Use Revenue** (2021 vs. same period 2019)
- 425% increase in **Day Use Revenue** (2021 vs. same period 2020)
- **Total Revenue** is up 132% over 2020; **up 55%** over 2018 & **down 3.88%** over 2019
- **REVENUE THROUGH APRIL 11: \$162,465.20**

United Water Conservation District

4



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6



7

Operational Update – General

United Water Conservation District

- Executed Professional Services for Landscaping and tree care services
 - Pacific Vista Landscape LLC. was selected as the lowest qualified bidder
- Continued with Master Plan evaluation and planning efforts
- Recruited and hired four seasonal park ranger assistants and two volunteer work camper couples

8

Operational Update

Irrigation System Repairs

- Pacific Vista Landscape continued efforts to repair the park's irrigation system which included:
 - One main line leak repair
 - Two lateral line repairs
 - Installation of pressure gauge
 - Installation of an isolation valve and blow off
- Replacement of 20 irrigation heads
- Installed 300 feet of drip line and planted 11 trees



United Water Conservation District

9

Operational Update

Purchases and Installations

- Purchased six Yamaha U-max rally utility carts for seasonal and volunteer staff
- Purchased new uniforms for all seasonal staff (polo shirts and caps shown to the left)
- Purchased 10 new handheld radios for park staff
- Installed radio base station at Ranger Station
- Purchased three generators to address ongoing PSPS outages
- Installed ice machines in two locations within the park
 - Ice provided by Newhall Ice for sales operations



United Water Conservation District

10

Operational Update

Facilities Maintenance

- Relocated two connex storage containers onto gravel pads
- Installed a new fee sign
- Reprogrammed the pay shower systems (8 minutes for \$1.50)
- Cleaned and prepped the Oak Lane and Lower Oaks restrooms
- Relocated all ADA picnic tables
- Installed fishing line tubes (Grant)



United Water Conservation District

11

Operational Update

Travel and Training

- Staff participated in a departmental kickoff meeting on March 27, 2021.
- Ranger Danny Helton attended and completed Boater Safety and Enforcement Training at Lake Havasu.
- Chief Strahan is planning to attend Clemson University in the fall to complete the in-person portion of the Ron Walker Leadership Program for Recreation Professionals course.
- Participated in ongoing coordination meetings with the staff of MySites.com and Finance personnel.



United Water Conservation District

12

Information Item 5.3:

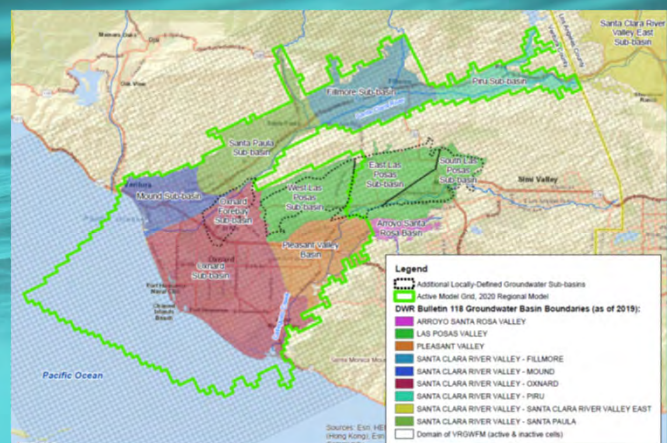
Monthly Water Resources Department Report

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Groundwater Model Update

- Model documentation in progress:
 - Model expansion and calibration
 - 2016-2019 update and validation
 - Future conditions, climate factors for GSPs
- Model application:
 - GSP modeling for Mound basin is complete
 - GSP modeling for Fillmore and Piru basin is complete
 - Oxnard/Pleasant Valley basin modeling of water-supply projects for FCGMA is in progress
- Brackish-water model refinements are under way



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Other Activities (non-SGMA related)

- Assist with oversight of drilling and design of El Rio well #19
- Support fish passage and flow design for Freeman Diversion
- Assist with purchase and release of supplemental SWP water
- Complete draft Urban Water Management Plan
- Complete and submit 2020 water rights reporting
- Submit report on 2020 conditions in Oxnard basin related to recycled-water pumping allocations
- Continue optimizing potential water-supply projects
- Lead virtual field trip to Freeman Diversion



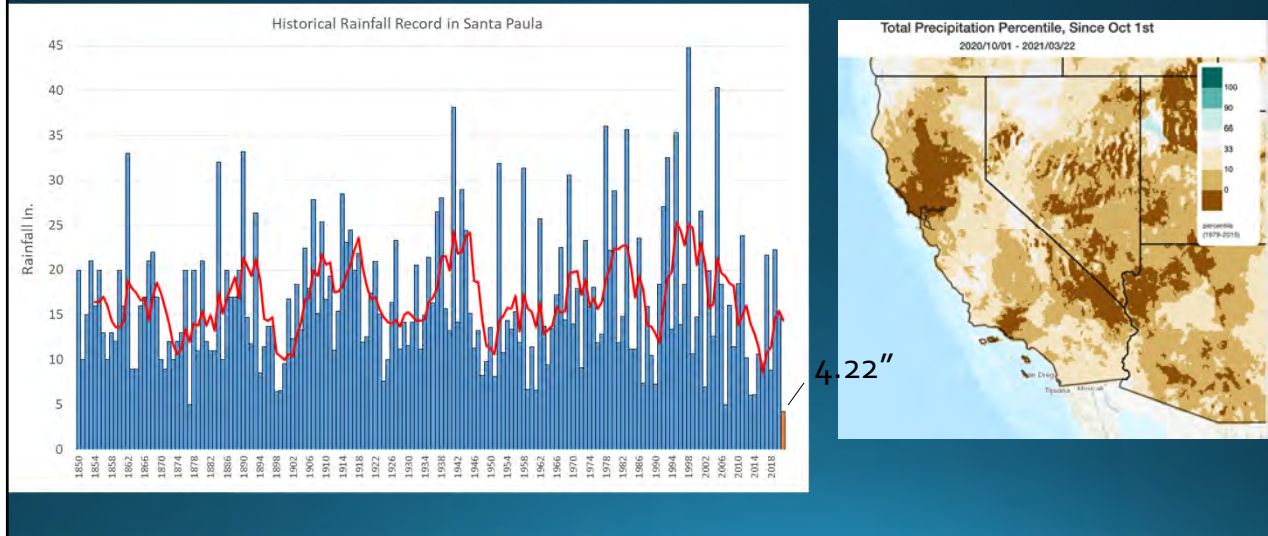
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Summary of Drought Conditions

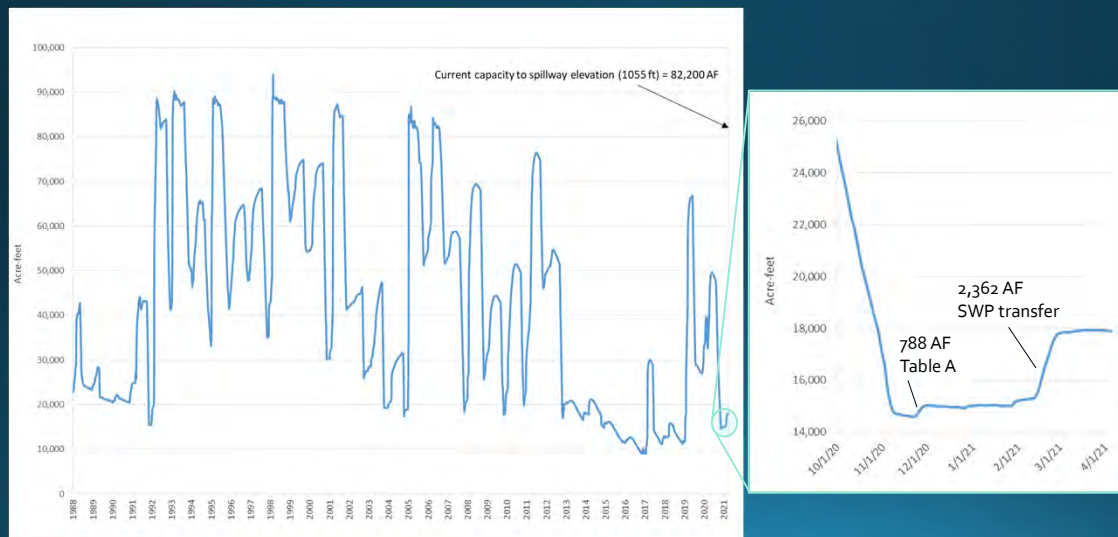
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Historic Low Rainfall for WY 2021



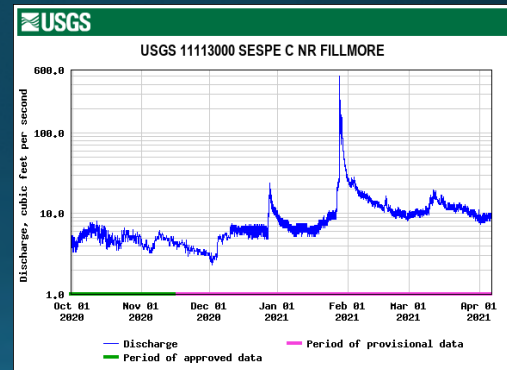
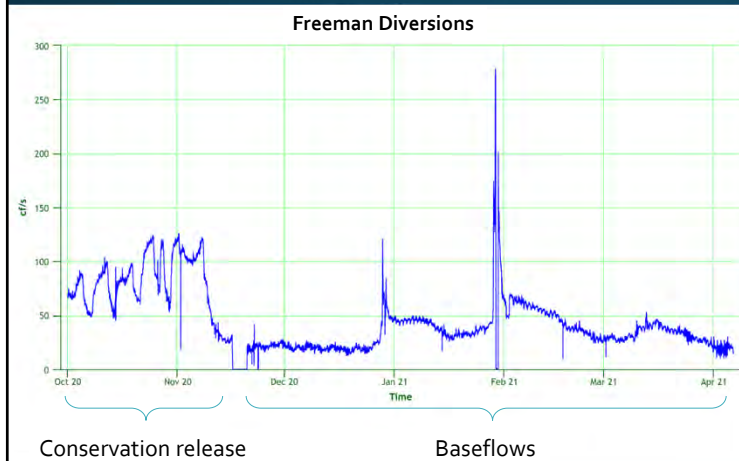
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Low water levels in Lake Piru after dry winter



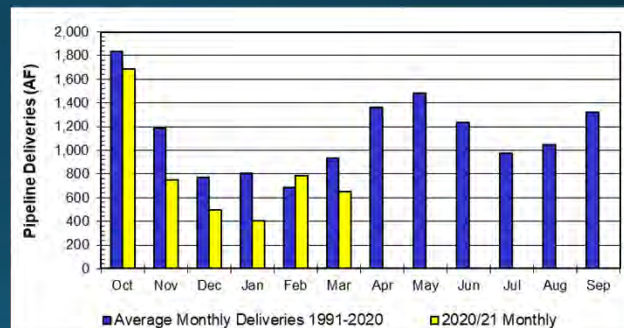
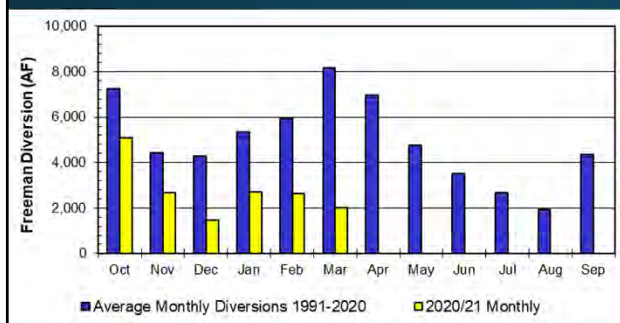
6

Continued diversions at Freeman... for now



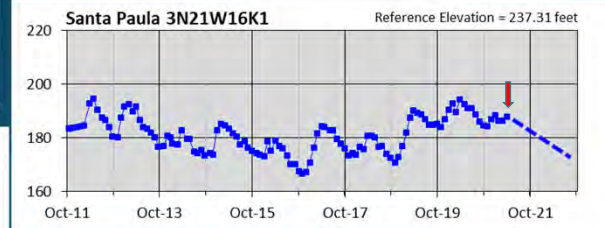
7

Diversions and surface water deliveries



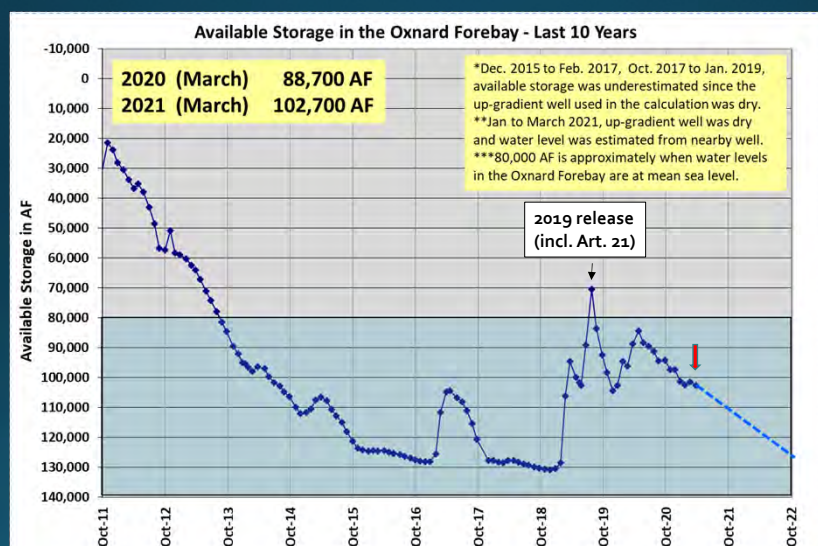
8

Groundwater basins - Upper



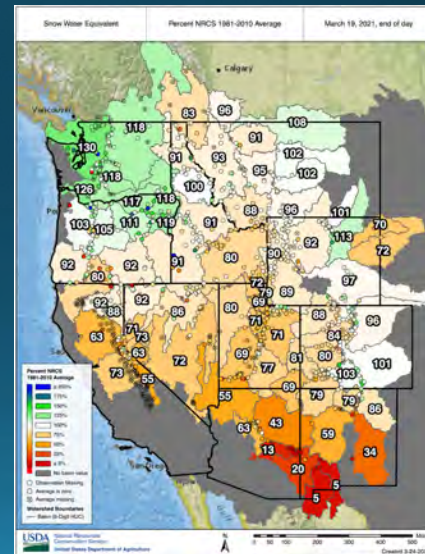
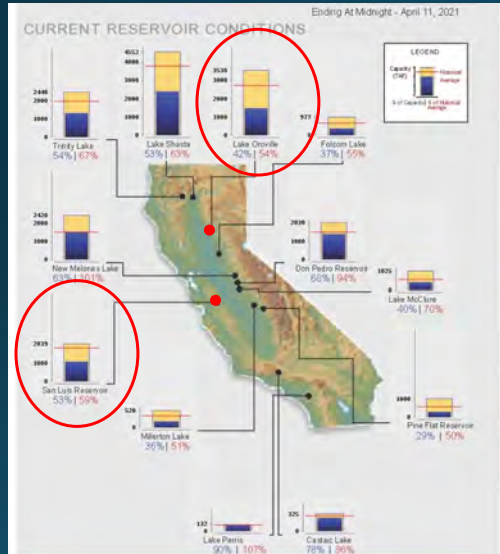
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Groundwater basins - Forebay

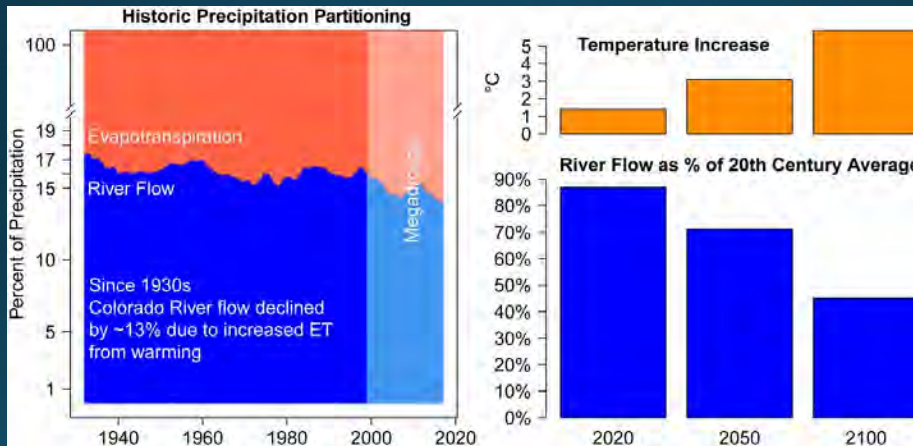


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California reservoirs and snowpack



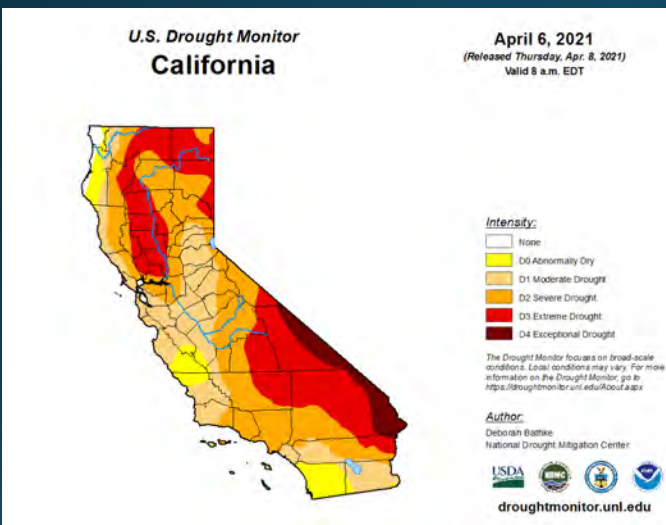
Don't underestimate impact of temperature increases (even without reduction in rainfall)!



Source: Overpeck and Udall, 2020, Climate change and the aridification of North America, PNAS 117 (22), 11856-11858

13

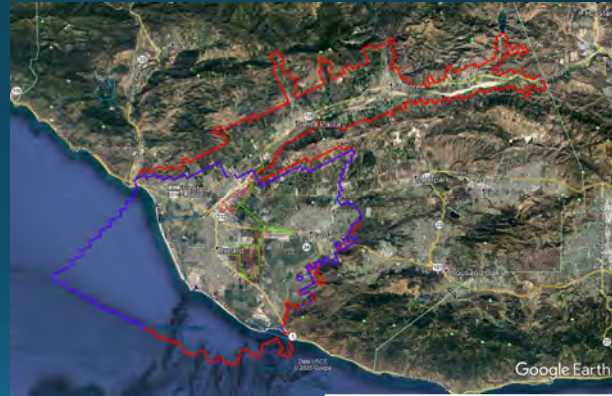
Drought conditions are worsening statewide



14

Model Development Recap

- Model expansion (1985-2015) completed in August 2020
- Model validation (2016-2019) completed in September 2020



- The 2018 Model in **BLUE**.
- The 2020 Model in **RED**.

15

15

From October 2020 to February 2021

- Model cleanup (1985-2019) in October 2020
- Prepared input data for future GSP runs with the 1943-2019 climate data (October 2020 – Dec 2020)
- Ran GSP simulations for Fillmore Piru GSA and Mound GSA (Nov 2020 – Feb 2021)
- Gave presentations on the UWCD Model in GSA Board meetings
- Prepared model documentation (full time after February 2021)

16

16

UWCD Model Reports

- **Report on model expansion**
 - GW Model completed in 2020
 - Draft report is completed
 - Sensitivity analysis
 - Review by **Expert Panel**
 - Planned to release in April
- **Model validation report**
 - Validation completed in 2020
 - Draft in progress
- **GSP Simulation report**
 - GSP runs completed in Feb 2021
 - Draft report in review

Credits: Dr. Zach Hanson, Dr. Bram Sercu, Eric Elliot, Dan Detmer, Murray McEachron,...

17

Expert Panel

- **Jim Rumbaugh**
Developer of the widely used MODFLOW pre- and post-processor, Groundwater Vistas
- **Dr. Sorab Panday**
Co-author of MODFLOW
Author of MODFLOW-USG
Member of National Academy of Engineering
- **John Porcello**
Licensed Geologist and Hydrogeologist
Principal groundwater hydrologist, with focus on western U.S.

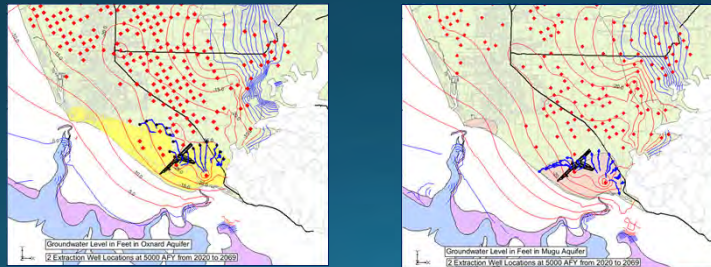
The expert panel thinks highly of UWCD Models (2018 and 2020 GW models)



18

Coastal Brackish Water Treatment Plant Basin Impacts and Benefits Analysis

- Prop 1 Groundwater Grant Program (GWGP)
- Extraction barriers in Point Mugu
- Collaboration with the Navy



Simulation result with the UWCD Model. **Salinity is NOT simulated**

19

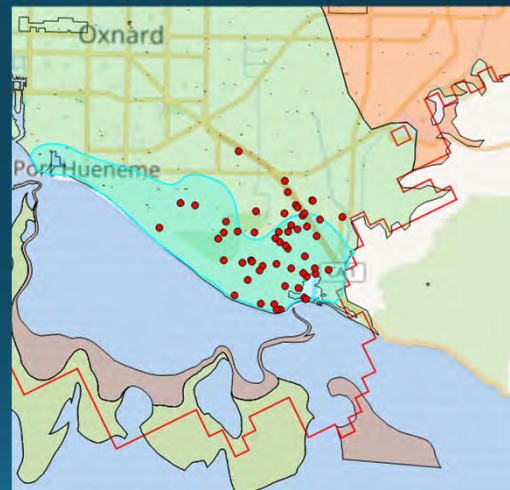
19

Data Collection at Point Mugu

- Eric Elliot and Dan Detmer have produced a refined conceptual model in Point Mugu with new data shown in **red dots (32 well logs + 23 test boring data)**
- The Navy at Point Mugu provides valuable assistance

Seawater Intrusion Model

- Incorporate the refined conceptual model into the numerical model
- Add the **salinity** in the simulation
- Build the model in 4 weeks
- Show progress for a May meeting



20

20

Salinity Transport Model

- This salinity transport model can simulate the brackish water study and beyond including regional seawater intrusion
- This transport model simulates the **density effect**
- Transport model capable of simulating salinity, chloride, TDS,... chemicals



This transport model will be the 2nd critical tool for Ventura County in addition to the GW model completed in 2020

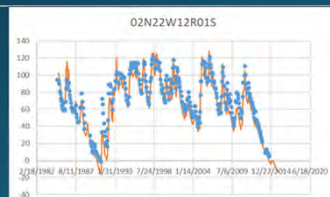
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21

Salinity Transport Model Selection

SEAWAT

- Last update in 2012
- **May not handle efficiently the seasonal variation in water level**
- Little to no technical support



MODFLOW-USG-TRANSPORT

- New software
- **Handle well the seasonal variation in water level**
- Good technical support
- Model review expert, Dr. Sorab Panday, is the developer
- Steep learning curve

22

22

Basin Optimization Study for OPV

- Led by John Lindquist, Dan Detmer
- Modelers:
 - Dr. Zach Hanson (Groundwater)
 - Dr. Bram Sercu (Surface Water)

23

23



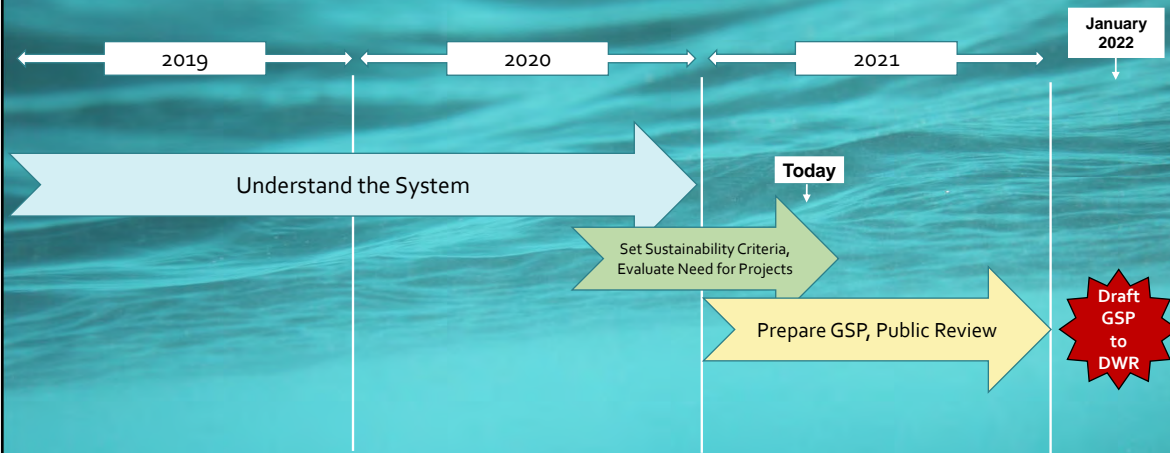
Information Item 5.4:

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

24

24

Fillmore and Piru Basins GSP Schedule



25

25

Notable Fillmore-Piru Basins GSA Activities

- February Board meeting:
 - Consultant presented a draft matrix for Sustainable Management Criteria (SMCs)
- March Board meeting/Stakeholder workshop:
 - Draft criteria for SMCs presented by consultant
 - Draft report detailing riparian vegetation communities and potential Groundwater Dependent Ecosystems (GDEs) in Piru and Fillmore basins presented by consultant
- April 1 Workshop/Special Board meeting
 - Additional SMC and GDE discussion, adopted some SMCs
- Upcoming events:
 - April 15—Regular Board meeting (5:00 pm)

26

26

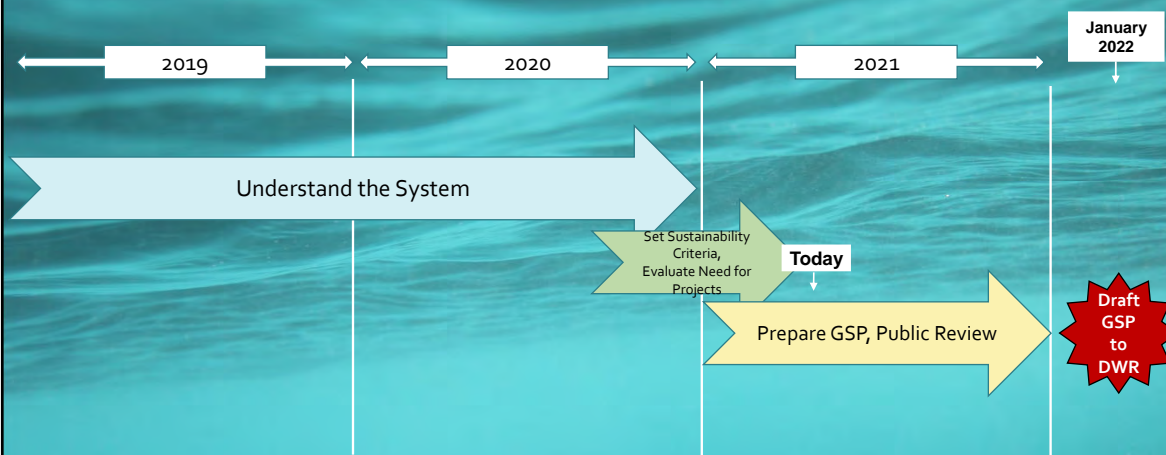
Notable Santa Paula Basin TAC Activities

- Staff submitted 2019 Santa Paula Basin Annual Report to DWR
 - Required under SGMA for adjudicated basins by April 1
- Staff are preparing the draft 2020 Santa Paula Basin Annual Report
 - Will be reviewed by TAC before finalization and submittal
- Upcoming events:
 - Summer 2021—TAC meeting

27

27

Mound Basin GSP Schedule



28

28

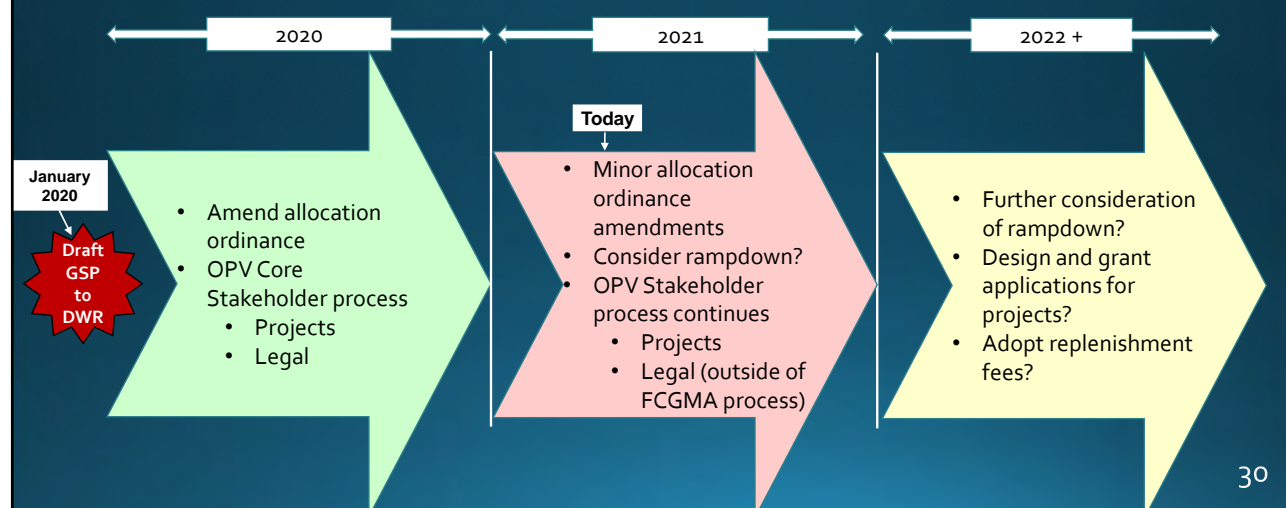
Notable Mound Basin GSA Activities

- February Board meeting:
 - Update on modeling of future groundwater conditions and GSP progress
- March 4 Stakeholder workshop:
 - Proposed sustainable management criteria presented by MBGSA's Executive Director
 - Basin water budgets (historical, current, and future) presented by United staff
- March Board meeting:
 - Board directed staff to prepare GSP section on Sustainable Management Criteria as presented in the workshop and in the Executive Director's staff report
- Upcoming events:
 - April 15—Regular Board meeting (1:00 pm)
 - United staff developing revised draft text, tables, and figures for selected GSP sections

29

29

Oxnard and PV Basins GSP Implementation Process and Schedule



30

30

Notable FCGMA Activities—February

- Board directed staff to continue working with Executive Committee on policy issues related to replenishment fees
- Authorize Executive Officer to sign a second extension on terms acceptable to Agency Counsel of a subaward agreement with The Nature Conservancy for a NRCS Conservation Innovation Grant, for automated metering of wells.
- Adopt modifications to the Las Posas Valley basin allocation ordinance language to amend the allocation ordinance consistent with the October 1, 2021, operative date; open public hearing on the matter.

31

31

Notable FCGMA Activities—March

- Board directed Operations Committee to explore importing water from Calleguas MWD for “in-lieu replenishment” of Las Posas Valley basin
- Board approved ordinances
 - Eliminating some water-use-reporting requirements for certain pumpers exporting groundwater from Oxnard basin
 - Exempting domestic well owners/operators from requirement to install advanced metering (AMI) equipment

32

32

FCGMA Core Stakeholder Activities—February

- OPV Core Stakeholders group serves advisory role to FCGMA
- OPV Core Stakeholders began working with new facilitators, focus on the OPV Allocation Ordinance, main topics include
 - Starting allocations
 - Rampdowns
 - Minimum allocations
 - Projects and basin optimization

33

33

FCGMA Core Stakeholder Activities—March

- Continue discussions on allocations and rampdown
- Legal Ad Hoc Committee continues to meet (discussions by this committee are subject to a non-disclosure agreement)
- Initial meeting of the OPV Variance Review Committee took place (April 6)

34

34

OPV Core Stakeholder Process

- OPV Core Stakeholders continue discussions regarding starting allocations, rampdown, minimum allocations, and legal “fenceposts”
 - A draft report by the facilitators is due to Executive Committee on April 15, and to full Board on April 28.
 - Some stakeholders suggested extending the facilitation process, since parties seem to be working toward achieving a compromise solution.
 - United representatives continue to stress the need for additional water supply projects and seek to avoid difficult decisions related to “final” allocations.
 - City of Oxnard representatives have also expressed an interest in new projects, working with United and others to develop projects, and a coordinated regional effort seeking federal funding for new projects.

35

35

QUESTIONS?

*An exposure of the
Las Posas Sands,
which comprise part
of the Fox Canyon
Aquifer, in a road cut
along Grimes Canyon
Road north of
Moorpark, CA.
Photo by United staff.*



36

36