



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

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

AGENDA
REGULAR BOARD MEETING

Tuesday, November 10, 2020, 12:00 P.M.
Board Room, UWCD Headquarters
1701 N. Lombard Street, Oxnard CA 93030

Meeting attendees should be aware that the meetings of the Board are, as required by law, open to the public and the District has very limited powers to regulate who attends Board meetings. Therefore, attendees must exercise their own judgement with respect to protecting themselves from exposure to COVID-19, as the District cannot ensure that all attendees at public meetings will be free from COVID-19.

**In addition to its public Regular Board of Directors meeting,
people may choose to participate virtually
using the Webex video conferencing application.**

To participate in the Board of Directors meeting via Webex, please access:
<https://unitedwaterconservationdistrict.my.webex.com/unitedwaterconservationdistrict.my/j.php?MTID=m8d9ab9cab57ed3ac1e5fdb414f93876>

Use Meeting number: 126 406 5905 **Password:** Direct (347328 from phones)

To hear just the audio portion of the meeting,
call +1-408-418-9388 (Toll Charges apply)
and use Access code: 126 406 5905

BOARD MATTERS

*Normally, Action (Motion) Items will be considered and acted upon separately; Consent Items will be considered and acted upon collectively, although a Consent Item may be considered and acted upon separately; and Information Items will be considered separately without action.
The Board of Directors in its discretion may change the order of agenda items.*

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

Items to be discussed in Executive (Closed) Session will be announced.

1.1 Public Comments
Information Item

Members of the public may address the Board on any matter on the Closed Session agenda or on any non-agenda item within the jurisdiction of the Board. All comments are subject to a five-minute time limit. Virtual participants, please use "raise hand" option in "participants" menu.

1.2 EXECUTIVE (CLOSED) SESSION 12:05 P.M.

The Board will discuss matters outlined in the attached Executive (Closed) Session Agenda (Exhibit A).

2. SECOND OPEN SESSION AND CALL TO ORDER 1:00 P.M.

2.1 Pledge of Allegiance

**2.2 Public Comment
Information Item**

Members of the public may address the Board on any item on the Consent Calendar or on any non-agenda item within the jurisdiction of the Board. No action will be taken by the Board on any non-agenda item. All comments are subject to a five-minute time limit.

**2.3 Approval of Agenda
Motion**

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

Presented by District Legal Counsel David D. Boyer.

**2.5 Board Communication
Information Item**

Board members may present non-agenda information including, but not limited to, the following: 1) meetings, workshops, conferences and functions attended during the previous month on behalf of the District; 2) meetings, workshops, conferences and functions Directors plan to attend in the upcoming months; and 3) possible conflicts that Directors might have with respect to issues on the Agenda.

**2.6 General Manager's Report
Information Item**

The General Manager will present information on his activities of possible interest to the Board and that may have consequence to the District.

**2.7 Update on Public Health Mandates Regarding Coronavirus Pandemic (COVID-19)
Information Item**

The Board will receive an update on the latest measures being taken and recommended by the State of California Department of Public Health, Center for Disease Control and World Health Organization, among other sources, as well as executive orders from County Public Health officials, CA Governor Newsom and President Trump regarding the COVID-19 virus.

2.8 Acceptance of Peace Officers Oath of Office for Park Rangers
Ceremonial Item

The Board President will administer the Peace Officers' Oath of Office, in accordance with the California Commission on Peace Officer Standards and Training (POST), to the two newly hired Park Ranger employees so they may carry out the duties and responsibilities as Park Rangers for United Water Conservation District's Lake Piru Recreation Area.

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 October 14, 2020 and the Special Board Meeting of October 27, 2020.

B. Groundwater Basin Status Reports
Information Item

Receive and file Monthly Hydrologic Conditions Report for the District.

C. Fiscal Year 2020-21 First Quarter Financial Report
Information Item

The Board will review FY 2020-21 First Quarter Financial Report, for the period of July 1, 2020 through September 30, 2020.

4. MOTION ITEMS (By Department)

Administrative Services Department – Anthony Emmert

4.1 Resolution No. 2020-21 Adopting Direction to the Ventura County Watershed Protection District (VCWPD) to Execute the California State Water Project Contract Amendments for Water Supply Management on Behalf of the United Water Conservation District Board of Directors
Motion

The Board of Directors will consider approving Resolution 2020-21, directing the Ventura County Watershed Protection District to execute the California State Water Project Supply Amendment for Water Management on behalf of United Water Conservation District.

- 4.2 Resolution 2020-24 Resolution of the Board of Directors of United Water Conservation District Directing the Ventura County Watershed Protection District to Execute The Department Of Water Resources Funding Agreement In Principle (AIP) for Preliminary Planning and Design Costs Related to a Potential Delta Conveyance Facility (DCF) on Behalf of United Water Conservation District**

Motion

The Board of Directors will consider approving Resolution 2020-24, directing the Ventura County Watershed Protection District to execute the Department of Water Resources funding Agreement in Principle (AIP) for preliminary planning and design costs related to a potential Delta Conveyance Facility (DCF). Staff recommends the Opt-in 100% option.

- 4.3 Request from AT&T to Amend Lease Agreement for Cell Tower and Backup Generator at Lake Piru**

Motion

The Board will review and consider approving an amendment to the lease agreement with AT&T governing the company's use of property at Lake Piru for the operation of a cellular communications tower and backup power generator.

Engineering Department – Dr. Maryam Bral

- 4.4 Resolution 2020-22 Authorizing the General Manager to Serve as the Board's Agent for the Execution and Acceptance of Utility Easement Deeds related to the District's Pumping Trough Pipeline Metering Replacement Project**

Motion

The Board of Directors will consider adopting Resolution 2020-22, authorizing the General Manager to serve as its agent for the execution and acceptance of utility easement deeds related to the District's Pumping Trough Pipeline (PTP) metering replacement project.

- 4.5 Resolution 2020-23 Adopting the Revised Owner's Dam Safety Program dated October 2020**

Motion

The Board of Directors will consider adopting Resolution 2020-23, approving the revised Santa Felicia Dam Owner Dam Program, dated October 2020.

- 4.6 Contract Amendment with Stantec for the Vern Freeman Dam Modeling and Design of Vertical Slot Fish Ladder and Intake**

Motion

The Board will consider authorizing the General Manager to execute an amendment to the professional services agreement with Stantec in the amount of \$120,600 to provide further analysis of the Vertical Slot as a Freeman Diversion Fish Passage Facility alternative.

5. PRESENTATIONS AND MONTHLY STAFF REPORTS (By Department)

Administrative Services Department - Anthony Emmert

5.1 Monthly Administrative Services Department Report – Anthony Emmert **Information Item**

Staff report and presentations on Administration Department activities including issues associated with budget development, financial performance versus budget plan, financial accounting requirements and procedures, potential debt issuance and related financial services, status of District investments and reserves, updates on its capital improvement programs, human resources and safety, District property and facilities maintenance and administration, the search for new District offices, District records and reports, groundwater extraction statements administration, risk management and District liability insurance matters, management of District contracts, policy development, governance procedures, and supporting activities of Board and staff.

Engineering Department – Maryam Bral

5.2 Monthly Engineering Department Report **Information Item**

Staff report and presentations 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.

Environmental Services Department – Linda Purpus

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

Summary report and presentations on environmental and regulatory issues of note to the District. The report will include water releases, operations of the fish ladder at the Freeman Diversion, various monitoring efforts, study plans and issues associated with the Endangered Species Act, including the Section 10 MSHCP process, future fish passage requirements, compliance with the District's FERC license/Biological Opinion, the Santa Felicia Dam, studies and operations in and near Piru Creek, any interactions with Rancho Temescal and Rancho Camulos.

Operations and Maintenance – Brian Collins

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

Summary report on monthly operations and maintenance of District facilities including Santa Felicia Dam and hydroplant; the Piru Groundwater Recharge facility; the Freeman Diversion Dam; the Saticoy and El Rio Groundwater Recharge facilities; the Pleasant Valley and Pumping Trough Pipeline systems; and the Oxnard-Hueneme Pipeline system. The report covers operating plans, the quantity and quality of water diverted and delivered, fish ladder status, major maintenance problems and repairs, status of O&M projects and safety and training issues.

Park and Recreation Division – Clayton Strahan

**5.5 Monthly Park and Recreation Department Report
Information Item**

Summary report on operations and items of note relative to the Lake Piru Recreation Area. Items may include, but are not limited to, discussion of expansion of Park Ranger areas of authority (revised Ordinance 15), potential revisions to the existing PMC operating agreement, camping and boating policies at the lake; operations and activities; financing and status of facility improvement projects; maintenance activities; security issues; and emergency response activities.

Water Resources Department – Maryam Bral

**5.6 Monthly Water Resources Department Report
Information Item**

Summary report on monthly Water Resources Department activities. Department activities include, but are not limited to, updates to the Ventura Regional Groundwater Flow Model; brackish water treatment feasibility study; upper Santa Clara River Chloride TMDL; hydrologic and well conditions statewide and locally; available Forebay storage; Ventura County well ordinance update; Fox Canyon GMA issues; City of Oxnard's recycled water program; potential water supply and recycled water projects, including use of United's terminal reservoirs; user groups (including but not limited to Oxnard Plain and Pumping Trough Pipeline groups); and potential District solar power facilities.

**5.7 Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA)
Information Item**

Summary report on the monthly activities of the three local Groundwater Sustainability Agencies (Mound Basin GSA, Fillmore and Piru Basins GSA, and the Fox Canyon Groundwater Management Agency), for which the District serves as a member director, and Santa Paula basin (adjudicated) Technical Advisory Committee (including formation of groundwater sustainability agencies in the District's basins, stakeholder and basin user groups, joint powers or governance agreements, development of water markets, and potential basin boundary changes). Staff may also report on state-wide issues related to the implementation of the Sustainable Groundwater Management Act of 2014.

6. BOARD OF DIRECTORS READING FILE

7. FUTURE AGENDA ITEMS

8. ADJOURNMENT

The Board will adjourn to the **Regular Board Meeting scheduled for Wednesday, December 9, 2020** or call of the President.

UWCD Board of Directors Meeting Agenda

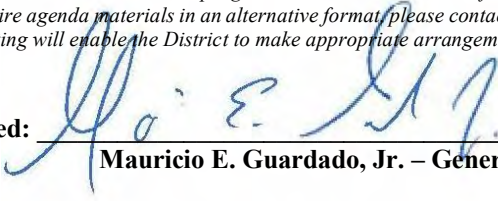
November 10, 2020

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All testimony given before the Board of Directors is recorded. Materials, which are non-exempt public records and are provided to the Board of Directors to be used in consideration of the above agenda items, including any documents provided subsequent to the publishing of this agenda, are available for inspection at the District's offices at 1701 N. Lombard Street, Suite 200, Oxnard CA 93030 during normal business hours.

The Americans with Disabilities Act provides that no qualified individual with a disability shall be excluded from participation in, or denied the benefits of, the District's services, programs or activities because of any disability. If you need special assistance to participate in this meeting, or if you require agenda materials in an alternative format, please contact the District Office at (805) 525-4431. Notification of at least 48 hours prior to the meeting will enable the District to make appropriate arrangements.

Approved: _____


Mauricio E. Guardado, Jr. – General Manager

Posted: (date) November 5, 2020

(time) 11:30a.m.

(attest) Kris Sofley

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

Posted: (date) November 5, 2020

(time) 11:45a.m.

(attest) Kris Sofley

At: www.unitedwater.org

EXHIBIT A
EXECUTIVE (CLOSED) SESSION AGENDA

1. LITIGATION

1.1 Conference with Legal Counsel – Existing Litigation

Pursuant to Government Code Section 54956.9 (d)(1)

- A. City of San Buenaventura v. United Water Conservation District, et al,
Santa Barbara County Superior Court Case No. VENCI00401714
- B. City of San Buenaventura v. United Water Conservation District, et al,
Santa Barbara Superior Court Case No. 1414739 (consolidated for
purposes of trial with case in subsection A.)

Note: 1.1 A and B consolidated in the California Supreme Court, 2nd Civil No. S226036, Review granted on June 24, 2015 of published decision of Division Six, Second District of the Court of Appeal of the State of California, 2d Civil No. B251810.

- C. City of San Buenaventura v. United Water Conservation District, et al,
Santa Barbara County Superior Court Case No. 1467531
- D. Wishtoyo Foundation, et al v. United Water Conservation District, U.S.
District Court for the Central District of California, Case No.2:16-cv-
03869 GHK (PLAx)

1.2 Conference with Legal Counsel-Anticipated Litigation

Significant exposure to litigation pursuant to Government Code Section 54956.9(d)(2): two (2) cases.

2. REAL PROPERTY MATTERS

2.1 Discussion of Real Property Negotiations

[Government Code Section 54956.8]

Property: 1701 N. Lombard Street, Oxnard, CA

Agency Negotiator: Joseph Jereb

Negotiating Party: United Water Conservation District

Under Negotiation: Instructions to negotiators will concern price and terms of lease.



Staff Report

To: UWCD Board of Directors

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

From: Clerk of the Board

Date: November 2, 2020 (November 10, 2020 Meeting)

Agenda Item: 2.5 Board Communication
Information Item

Staff Recommendation:

Receive information provided by the Board of Directors and review the calendar of upcoming District meetings and events.

Discussion:

This item is provided on the agenda of each regular District Board of Directors meeting in order to allow Directors to present non-agenda information including, but not limited to, the following:

1. UWCD Committee participation – Committee Chair to report on Committee’s objectives and actions to Board.
2. Meetings, workshops, conferences and functions attended during the previous month on behalf of the District.
3. Meetings, workshops, conferences and functions Directors plan to attend in the upcoming months.
4. Possible conflicts that Directors might have with respect to issues on the Agenda.

A calendar of currently scheduled District meetings and other events for 2020 is attached, along with the current UWCD Standing Committee Assignments for 2020 and UWCD’s Representatives to outside agencies.

Attachments: A – 2020 Calendar of District’s Standing Committee and Representative meetings

2020 Board and Standing Committee Meetings

January 07- Executive Committee (5:30pm-8:30pm)

14- Finance Committee (9am- 10am)

14- Executive Committee -Canceled

15- Board of Directors (12noon – 3:14pm)

16- AWA Waterwise Breakfast (Oxnard)

16- Fillmore Piru Basins GSA (5pm - 7:01pm)

22-Fox Canyon GMA

February 03- Legislative & Outreach Committee - Canceled

04- Water Resources Committee - Canceled

06- Engineering & Operations Committee - Canceled

11- Finance Committee (9am-10:05am)

12- Board of Directors (12noon - 3:35pm)

20- AWA Waterwise Breakfast (Thousand Oaks)

20- Mound Basin GSA (1pm-2pm)

20- Fillmore Piru Basins GSA (5pm-7:45pm)

26- Fox Canyon GMA

March 02- Legislative & Outreach Committee (9am-10:08am)

03- Water Resources Committee - Canceled

05- Engineering & Operations Committee (9am-10:58am)

10- Finance Committee (9am-10:05am)

11- Board of Directors (12noon-3:31pm)

19- AWA Waterwise Breakfast (Oxnard)

19- Mound Basin GSA (canceled)

19- Fillmore Piru Basins GSA (canceled)

25- Fox Canyon GMA (Canceled)

30- Executive Committee (8am-10:am)

30 - Special Board of Directors (10am - 12:15pm)

April 02- Engineering & Operation (canceled)

6- Legislative & Outreach Committee (canceled)

7- Finance Committee (canceled)

7- Water Resources Committee (canceled)

8- Board of Directors (12noon-1:32pm)

16- AWA Waterwise Breakfast (Thousand Oaks - canceled)

16-Mound Basin GSA (1pm -

16- Fillmore Piru Basins GSA (5pm -

22- Fox Canyon GMA (12noon-

May 04- Legislative & Outreach Committee (9am-9:58am)

05- Water Resources Committee (9am-10:26am)

07- Engineering & Operations Committee (9:01am -10:31am)

12- Finance Committee (9am-10:28am)

13- Board of Directors (12:10pm - 2:30pm)

21- AWA Waterwise Breakfast (virtual)

21- Mound Basin GSA (1pm-1:55pm)

21- Fillmore Piru Basins GSA (5pm-7:10pm)

27- Fox Canyon GMA

June 01- Legislative & Outreach Committee (canceled)

02- Water Resources Committee (canceled)

04- Engineering & Operation (canceled)

9- Finance Committee (9am- 10:24a.m.)

10- Board of Directors (12noon- 2:47p.m.)

18- AWA Waterwise Breakfast (Thousand Oaks)

18- Mound Basin GSA (1pm)

18- Fillmore Piru Basins GSA (5pm)

24- Fox Canyon GMA

29 - Legislative & Outreach Committee (9am-9:48am)

30- Water Resources (9am - ?)

July 02- Engineering & Operations Committee(9am-10:20am)

7- Finance Committee (9am - 10:07am)

8- Board of Directors (12noon - 3:25pm)

16- AWA Waterwise Breakfast (Oxnard)

16- Mound Basin GSA (1pm -2:30pm)

16- Fillmore Piru Basins GSA (5pm - 6:45pm)

22- Fox Canyon GMA (1:30

August (UWCD is typically dark in August)

3- Legislative & Outreach Committee- Canceled

4- Water Resources Committee- Canceled

06- Engineering & Operations Committee- Canceled

11- Finance Committee - Canceled

12- Board of Directors - Canceled

20- Mound Basin GSA (1pm - 3:15p.m.)

20- Fillmore Piru Basins GSA (5pm-7:15pm)

26- Fox Canyon GMA

September 02- Water Resources Committee (1pm-2:41pm)

03- Engineering & Operations Committee (9am-10:18am)

08- Legislative and Outreach Committee (11:30am-12:40pm)

8- Finance Committee (9am- 9:55am)

9- Board of Directors (12noon - 3:59pm)

17- AWA Waterwise Breakfast (Thousand Oaks)

17- Mound Basin GSA (1pm - 2:10pm)

17- Fillmore Piru Basins GSA (5pm - 7:43pm)

23- Fox Canyon GMA

October 01- Engineering & Operations Committee (9am-10:38am)

5- Legislative & Outreach Committee (9am-9:45am)

6- Water Resources Committee (9am-10:57am)

13- Finance Committee

14- Board of Directors

15- AWA Waterwise Breakfast (Oxnard)

15- Mound Basin GSA (1pm)

15- Fillmore Piru Basins GSA (5pm)

28- Fox Canyon GMA (1:30pm)

November 03- GENERAL ELECTION DAY

03- Water Resources Committee (9am-

05- Engineering & Operations Committee (9am -

09- Finance Committee (9am-

10- Board of Directors (12noon -

19- AWA Waterwise Breakfast (Thousand Oaks) 19- Mound

Basin GSA (1pm

19- Fillmore Piru Basins GSA (5pm

December 01- Water Resources Committee

2- Fox Canyon GMA (1:30pm

3- Engineering & Operations Committee

7- Legislative & Outreach Committee

8- Finance Committee

9- Board of Directors Meeting

17- Mound Basin GSA (1pm

17- Fillmore Piru Basins GSA (5pm



Staff Report

To: UWCD Board of Directors

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

Date: November 2, 2020 (November 10, 2020 meeting)

Agenda Item: 2.6 General Manager's Report
Information Item

Staff Recommendation:

Receive an update from the General Manager related to items of possible interest to the Board and that may have consequences to the District.

Discussion:

The General Manager's primary responsibility is to ensure that the policies and directions of the Board of Directors are adhered to as he oversees and manages the efforts of the department managers and their staffs in the day-to-day operation and administration of the District. All of these efforts are to be consistent with the District's Mission Statement and within the fiscal constraints set by the Board of Directors.

The District's managers provide detailed monthly updates to the Board of Directors which outline projects' statuses, accomplishments, issues of concern, projects planning, etc. The monthly General Manager's report provides an opportunity for the General Manager to discuss issues that may impact the efforts of the separate departments as they pursue their defined goals and objectives. The report also provides the Board with information on the District's efforts and involvement in local, regional and state-wide issues.

Finally, the monthly General Manager's report offers the Board of Directors an overview of how their policies and directions are being administered through discussion of the work plan and efforts of the General Manager.



Staff Report

To: UWCD Board of Directors

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

From: Josh Perez, HR Manager
Tony Huynh, Safety and Security Program Coordinator

Date: November 2, 2020 (November 10, 2020 Meeting)

Agenda Item: 2.7 Update on Public Health Mandates Regarding Coronavirus Pandemic
(COVID-19)
Information Item

Staff Recommendation:

The Board of Directors will receive an update on the latest measures being taken and recommended by the State of California Department of Public Health, Center for Disease Control and World Health Organization, among other sources, as well as executive orders from Governor Newsom and President Trump regarding the COVID-19 virus.



Staff Report

To: UWCD Board of Directors

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

From: Clayton W. Strahan, Chief Park Ranger

Date: October 22, 2020 (November 10, 2020 Meeting)

Agenda Item: 2.8 Acceptance of Peace Officers Oath of Office for Park Rangers
Ceremonial Item

Staff Recommendation:

The Board President will administer the Peace Officers' Oath of Office, in accordance with the California Commission on Peace Officer Standards and Training (POST), to the two newly hired Park Ranger employees so they may carry out the duties and responsibilities as Park Rangers for United Water Conservation District's Lake Piru Recreation Area.

Discussion:

In May of 2019, at its regularly scheduled Board meeting, the Board adopted and approved new job descriptions, hiring practices, and standards for Park Rangers employed at the Lake Piru Recreation Area. As part of this process, the District adopted the legal requirement that Rangers take the Peace Officers Oath and be formally sworn in as Peace Officers in the State of California.

Since that time, the Recreation Division has hired Danny Helton (earlier in 2020) and Peter Witman (one month ago). Based on clearance received from the Ventura County Sheriff's Office on their completed background investigations, it is requested that the Board President officially administer the Peace Officers Oath of Office to Rangers Helton and Witman so that they may formally acknowledge, accept and attest the Peace Officers Oath in their official capacity as UWCD Park Rangers.

It should be noted that for staff to be considered competent to perform the duties of a Park Ranger and to be granted the necessary authority and tools, staff fulfilled a series of Peace Officer Standards and Training Commission (POST) minimum requirements, per state statute. Those requirements and minimum training standards included:

- Successful completion of a psychological evaluation by a POST approved doctor
- Successful completion of state and federal background investigations
- Successful completion of federal and state LIVESCAN fingerprinting
- Successful completion of a POST work sample battery test (Physical Agility)

- Successful completion of a 40-hour PC-832 (Arrest & Control) training
- Successful completion of a POST administered OC spray training (optional)

Both staff members have completed and passed the above-referenced requirements and have been deemed competent to perform the duties of a limited peace officer.

Fiscal Impact: There is no fiscal impact associated with this request.

Attachment: A – California Peace Officers Oath

PEACE OFFICER OATH OF OFFICE, State of California
California Constitution - Article 20, Sec. 3. Misc. Subjects
[Required Oath of Office]

"I, _____, a Park Ranger employed by United Water Conservation District, do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

I do further swear (or affirm) that I do not advocate, nor am I a member of any party or organization, political or otherwise, that now advocates the overthrow of the Government of the United States or of the State of California by force or violence or other unlawful means; that within the five years immediately preceding the taking of this oath (or affirmation) I have not been a member of any party or organization, political or otherwise, that advocated the overthrow of the Government of the United States or of the State of California by force or violence or other unlawful means. I will not advocate nor become (name of office) a member of any party or organization, political or otherwise, that advocates the overthrow of the Government of the United States or of the State of California by force or violence or other unlawful means."

ACCEPTED AND SUBSCIBED TO ON THIS 10th DAY OF NOVEMBER 2020

ATTEST _____
Michael W. Mobley, President

ATTEST _____
Sheldon G. Berger, Secretary/Treasurer



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

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

MINUTES
UWCD BOARD MEETING
WEDNESDAY, October 14, 2020 at 12 noon
UWCD Headquarters (and via Webex)
1701 N. Lombard Street, Oxnard CA 93030

DIRECTORS PARTICIPATING

President Michael W. Mobley
Vice President Bruce E. Dandy
Secretary/Treasurer Sheldon G. Berger (virtual)
Patrick J. Kelley (virtual)
Lynn E. Maulhardt
Edwin T. McFadden III (virtual)
Daniel C. Naumann

STAFF PARTICIPATING

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

PUBLIC PARTICIPANTS

Tara Bravo, CV Strategies
David Brodsky (virtual)
Burt Handy (virtual)
Aubrey Mescher (virtual)
Thien Ng, City of Oxnard

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

President Mobley called the meeting to order at 12noon.

1.1 Public Comments

Information Item

President Mobley asked if there were any members of the public who wished to address the Board or make a public comment. None were offered.

President Mobley then asked Mr. Boyer, District legal counsel, to announce the topics for discussion in Executive (Closed) Session.

Mr. Boyer stated that the Board would be discussing one case of anticipated litigation pursuant to Government Code Section 54956.9(d)(2) relating to a Government Code Claim presented by the estate of Naya Rivera and by Josey Hollis Dorsey, the minor son of Ms. Rivera. Additionally, the Board would also address existing litigation, which includes, pursuant to Government Code Section 54956.9(d)(2), three cases with City of San Buenaventura, one with Wishtoyo Foundation and one with the Federal Energy Regulatory.

1.2 EXECUTIVE (CLOSED) SESSION 12:05 P.M.

President Mobley adjourned the meeting into Executive (Closed) session at 12:05p.m.

2. SECOND OPEN SESSION AND CALL TO ORDER 1:35 P.M.

President Mobley opened the second open session of the Board meeting at 1:35p.m. and asked Director Maulhardt to lead the group in reciting the Pledge of Allegiance.

2.1 Pledge of Allegiance

Director Maulhardt led everyone in reciting the Pledge of Allegiance

**2.2 Public Comment
Information Item**

President Mobley asked if there were any public comments or questions for the Board. None were offered.

**2.3 Approval of Agenda
Motion**

Motion to approve the agenda, Director Maulhardt; Second, Director Naumann. Roll call vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion 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 one action in Executive (Closed) session, which was to unanimously approve rejecting the Government Code Claim presented by the estate of Naya Rivera and by Josey Hollis Dorsey, the minor son of Ms. Rivera. The Board took no other action during Executive session as reportable under the Brown Act.

2.5 Board Communication

Information Item

Director Berger reported that he had been busy with numerous AWA activities while creating a virtual version of the organization's annual Leadership program which has traditionally been held at the Reagan Library. He added that this year's virtual event will be held on October 22 at 2pm and encouraged everyone to participate. He also participated in an ad hoc legislative call, the Legislative and Outreach Committee meeting on October 5, had a meeting with Dr. Mathis, attended the Finance Committee meeting on October 13 and was planning on attending the AWA Waterwise Breakfast at 8am tomorrow.

Director McFadden reported participating in several ad hoc committees with the Fillmore and Piru GSA in September on the 21st and the 28th and in October on the 1st, 6th and 15th. He also attended the regular FPBGSA Board meeting on September 17 and will participate in the GSA's Board meeting tomorrow, October 15. He participated in the GSA's Sustainable Management Criteria workshop on October 1 and participated in the UWCD Water Resources committee meeting on October 6 and met with Dr. Mathis on October 13.

Director Kelley reported his participation at the Water Resources Committee meeting on October 5, the AWA Water issues committee meeting, constituent meetings with Harold Edwards and Alex Teague of Limoneira and the Santa Paula Pumpers, yesterday's Finance Committee meeting and virtual meetings with Ventura staff contacts.

Director Maulhardt reported his attendance at the September 9 Board meeting, the October 1 Engineering and Operations Committee meeting and the October 5 Water Resources Committee meeting as well as an upcoming meeting with Dr. Mathis on October 15 in addition to today's Board meeting.

Director Dandy reported his attendance at the September 8 Finance Committee meeting and September 9 Board meeting. He also participated in the September 10 Oxnard Chamber meeting and advised the Board that the Chamber's Water Issues committee meetings were suspended for the remainder of the year.

Director Naumann reported a meeting that he and Director Dandy had with the General Manager of September 10, as well as his participation in an ad hoc meeting and Freeman Diversion tour. He added that key stakeholders have been invited to tour the Freeman through early November and he encourages the Board to join the tour when possible. Director Naumann also attended three meetings in preparation for the Fox Canyon GMA board meetings, and attended the Regional Defense Partnership for the 21st Century virtual meeting in addition to the Engineering and Operations Committee meeting on October 1, the Water Resources Committee on October 6 and had a dinner meeting with Dr. Mathis on Monday, October 12.

President Mobley reported attending the Fox Canyon GMA Special Board meeting on September 11, a prep meeting with United staff on September 21; two Mound Basin Board meetings – one on September 17 and one on October 15 as well as an upcoming Fox Canyon GMA meeting on October 28 at 12:30p.m. He also reported meeting with the General Manager yesterday in preparation for today's Board meeting and meeting with Dr. Mathis on September 13.

2.6 General Manager's Report

Information Item

General Manager Mauricio Guardado reported on his meeting with Dan Singer, the city manager for the City of Santa Paula and conveyed Mr. Singer's appreciation to the Board for its consideration of the City's request not to raise rates this year. Mr. Guardado also reported that LAFCo had confirmed the nomination of Mary Anne Rooney of the Oxnard Harbor Commission.

2.7 Update on Public Health Mandates Regarding Coronavirus Pandemic (COVID-19)

Information Item

HR Manager Josh Perez addressed the Board on recent updates regarding the COVID-19 virus. According to Mr. Perez, the County reported 53 new cases today, eight patients currently in ICU and that he expected the County to move to the next tier, orange, on or about October 27. Orange tier would allow for 50 percent occupancy up to a maximum of 200. Currently the County is in the red tier, which limits occupancy to 25 percent and a maximum of 100 people. Current reporting figures, or adjusted case rates, are 5.2 and a 4.9 rating is required to move to the lower tier. The District has increased communication with staff regarding COVID protocols of exposure and guidance regarding physical distancing while at work.

President Mobley asked Mr. Perez if that meant 4.9 cases per 100,000 as a weekly average to reach the orange tier. Mr. Perez clarified that the number of tests versus the number of positives for COVID. Currently, he said, the County overall is at 6.8 percent of positive cases for each 100,000 tested. Mr. Perez said that in the past few weeks, that percentage has been reported at between 4.8 percent and 5.2 percent, which was nearing the orange tier numbers, which is essentially 40 cases; but yesterday there were 15 new cases reported and today, 55 new cases.

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

2.8 United Water Conservation District's New Website

Motion Item

Mr. Guardado addressed the Board, stating that the Legislative and Outreach Committee had met with staff and offered suggested revisions regarding the new website design, and that feedback was incorporated into the website as it currently stands. He then introduced Tara Bravo and thanked her and her team at CV Strategies for developing a new and evolving resource for the District.

Ms. Bravo explained to the Board that staff and her team have been working on the design for the past several months, basically sweeping the current District website for content, but updating the look, navigation and functionality or ease of use of the site to today's technology and user expectations. She explained that all the content had been vetted by District staff and that the site continues to be updated with more reports, technical information and Board and Committee documents. Ms. Bravo also stressed that all the photographs used throughout the entire site are the work of the District's own John Carman.

Ms. Bravo then demonstrated the new website's navigation, layout and headings and explained that the design layout was conceived with mobile users in mind. She also explained that the links to various other websites and videos hosted on other sites helps to improve the ranking of the website in various search engines.

Director Dandy asked when the site would be available if the Board were to approve the site today. Ms. Bravo replied that it would be up and live tomorrow morning. She also explained that the launch plan was to use links to social media such as the Lake Piru and District Facebook pages as well as direct interaction for rate payers and stakeholders to "discover" the new site organically.

Director Berger asked if it would be possible to get quarterly traffic reports and/or analysis on the new site quarterly, timed to the Legislative and Outreach committee meetings. Ms. Bravo said absolutely.

Director McFadden pointed out the value of having the links to the GSA websites on the UWCD site. Director Naumann said it was a fabulous, outstanding job and the Board will follow the updates, notify pumpers and get people to check it out through word of mouth.

President Mobley asked if the web designers were staff as he did not see a web designed credited on the site. Ms. Bravo said CV Strategies has two web designers on staff in addition to herself, and they used a WordPress template with custom coding.

Director McFadden said that Carman's videos and photos are fantastic. Ms. Bravo added that John Carman gets all the credit for pushing the website to where it is and should be and that by leveraging all the District's resources the result is both beautiful and informative. Director Maulhardt agreed, saying that the graphics, motion, color all the moving parts come together in an excellent job. He also said that it is a huge change with tons of information and answers all the questions anyone could have.

Mr. Guardado said that the agenda has this item listed as a motion item, but the staff report says informational item. Director Berger said it is good to go and complimented John Carman on doing an 'outrageous job' with the photography. Director Kelly agreed and said he is eager to see it online tomorrow. Director McFadden concurred, stating bring it on and added that the website looks fantastic.

Mr. Guardado said staff was looking for guidance from Board, not approval and that Ms. Bravo is directed to go forward on the launch. Mr. Guardado also complimented the user experience the new site provides and the vision throughout and complimented John Carman. Mr. Carman responded saying that he is looking forward to launching the site and has been working for the past 10 years to this vision. He also said that Tara and Greg of CV Strategies were a pleasure to work with.

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 September 9, 2020.

B. Groundwater Basin Status Reports

Information Item

Receive and file Monthly Hydrologic Conditions Report for the District.

C. Monthly Investment Report

Information Item

Receive and file 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. Fiscal Year 2019-20 Year End Financial Reports (July 1, 2019 – June 30, 2020)

Information Item

The Board will review and accept the FY 2019-20 financial reports, Capital Improvement Projects status, and the Investment Benchmark report.

E. Request from City of Fillmore to Waive Penalty Charges for Late Receipt of Statements

Motion

The Board will consider a request from the City of Fillmore to waive penalty charges of \$15,576 for late receipt of groundwater statements.

F. Request from Department of Fish and Wildlife to Waive Penalties and Interest Charges for Late Payment

Motion

The Board will consider a request from Department of Fish and Wildlife to waive penalty and interest charges of \$9,425 for a late filing and payment.

G. Request from Duda Farm Fresh Foods Inc. to Waive Penalties for Late Receipt of Statements

Motion

The Board will consider a request from Duda Farm Fresh Foods Inc. to waive penalty charges of \$13,417 for a late filing of groundwater production statements.

H. Request from San Miguel Produce for a Payment Plan

Motion

The Board will consider a request from San Miguel Produce to enter a payment plan for past due groundwater extraction fees and penalties of \$17,018 plus interest.

Director Maulhardt requested pulling items E, F, G and H from the Consent Calendar for a separate discussion. Director Berger said the Finance Committee had reviewed these items and endorsed the policies and thereby approve the requests as a logical extension of that policy.

Motion to approve Consent Calendar items 3A Minutes, 3B Groundwater Basin Status Reports; 3C Monthly Investment Report and 3D Fiscal Year 2019-20 Year End Financial Reports, Director Naumann; Second, Director Maulhardt. Roll call vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries unanimously 7/0.

Regarding requests for waiver of penalties and interest (item E, F, and G), Director Berger again stated that the Board's policy allows for such waivers and the Finance Committee agrees with staff recommendations. Director Berger added that when the District starts seeing late payments, perhaps staff could email a notice or make a courtesy call to inquire about the late payment. Mr. Jereb agreed and said that he would implement that procedure to offset invoices that are a few days late.

Motion to approve Consent Calendar items E (City of Fillmore waiver request), F (Department of Fish and Wildlife waiver request), G (Duda Farm Fresh Foods waiver request) and H (San Miguel Produce request for payment plan), Director Maulhardt; Second, Director Naumann. Roll call vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries unanimously 7/0.

4. MOTION ITEMS (By Department)

Administrative Services Department - Anthony Emmert

4.1 Resolution 2020-20 Stating the Board's Authorization of the Execution and Delivery of Revenue Certificates of Participation

Motion

Mr. Jereb provided a presentation (see attached) to the Board regarding the Revenue Certificates of Participation process.

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

Motion to adopt Resolution 2020-20, stating the Board's authorization of the execution and delivery of Revenue Certificates of Participation (RCP)s, and approving the execution and delivery of certain agreements and documents in connection therewith, Director Naumann; Second, Director Berger. Roll call vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries unanimously 7/0.

4.2 Amendment of 2017 and 2018 Groundwater Reporting and Issuance of Refund

Motion

Mr. Jereb addressed the Board saying there was an error in meter reporting overstating the usage by 10 times, due to an error in reading the decimal point. Photo documentation was provided and total usage is consistent with acreage and crops. Pumper is asking that credit be applied to future billing periods.

President Mobley asked why, if this is covered by existing policy, was this matter brought to the Board for approval. Mr. Jereb explained the item was brought to the Board for approval because the time of the credit request was more than 12 months ago and the dollar amount was more than \$5,000.

Motion to amend the 2017 and 2018 groundwater reporting statements and issue a credit to the pumper's account, Director Maulhardt; Second, Director Kelley. Roll call vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries unanimously 7/0.

Engineering Department – Dr. Maryam Bral

4.3 Accept Utility Easement Deeds at Pumping Trough Pipeline Turnout No. 125
Motion

Director Naumann said that this was another utility easement deed resulting from the Pumping Trough Pipeline meter replacement project and that the Engineering and Operations Committee had reviewed the motion and recommends Board approval.

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

Motion to authorize the General Manager to sign and record utility easement deed granted to the United Water Conservation District by Mary C. Menne Associates, a Limited Partnership, related to Pumping Trough Pipeline (PTP) Turnout No. 125, Director Naumann; Second, Director Maulhardt. Roll call vote: seven ayes (Berger, Dandy, Kelley, 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

Mr. Collins provided a presentation (see attached) to the Board updating them on the monthly activities of the operations and maintenance department. Director Berger said that staff had done an excellent job with the sediment management and permitting requirements. Director Kelley agreed and said that by posting this presentation on the District's new website staff would be helping to develop a more informed citizen group. Director McFadden added that there are happy pumpers up and down the valley since United started its release from the Santa Felicia Dam.

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

Park and Recreation Division – Clayton Strahan

5.2 Monthly Park and Recreation Department Report

Information Item

Chief Ranger Strahan provided a presentation to the Board (see attached) updating them on staff activities at the Lake Piru Recreation Area. Chief Ranger Strahan stated that he and Josh Perez were working with Parks Management Company (PMC) on the renegotiation of its contract, which expires in December and were planning on presenting a draft proposal to PMC management next week. He also said that staff was busy with ongoing repairs to the marina and the aging irrigation system as well as some road maintenance resulting from the recent fires in the area. Chief Ranger Strahan also reported staff training for renewal of various certifications, and is continuing to explore grant opportunities to offset the costs of some of the Lake Piru maintenance and repair projects.

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

Water Resources Department – Maryam Bral

5.3 Monthly Water Resources Department Report

Information Item

Mr. Guardado informed the Board that, due to an error, the agenda misidentified this as a staff report on monthly Water Resources Department activities, but it is a summary report, as is item 5.4

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

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

Information Item

Erroneously identified as a staff report but was a summary report.

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

Administrative Services Department - Anthony Emmert

5.5 Monthly Administrative Services Department Report – Anthony Emmert

Information Item

Summary report on Administration Department activities.

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

Engineering Department – Maryam Bral

5.6 Monthly Engineering Department Report

Information Item

Summary report on various water resources, planning efforts and department programs affecting the District.

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

Environmental Services Department – Linda Purpus

5.7 Monthly Environmental Services Department Report

Information Item

Summary report on environmental and regulatory issues of note to the District.

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

6. BOARD OF DIRECTORS READING FILE

7. FUTURE AGENDA ITEMS

At the November Board meeting, the Board would like staff reports distinguished from summary reports, perhaps using “highlights” or “discussion” in the description. Board also suggested that the Recreation Department bring the September resolution and October monthly department report before the Engineering and Operations Committee for further discussion.

8. ADJOURNMENT 3:40p.m.

President Mobley adjourned the meeting at 3:40p.m. to the next **Regular Board Meeting scheduled for Tuesday, November 10, 2020 due to the Veteran’s Day holiday** 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 October 14, 2020.

ATTEST: _____
Sheldon G. Berger, Secretary/Treasurer

ATTEST: _____
Kris Sofley, Clerk of the Board



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

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

ATTENDANCE LIST

MEETING DATE: Wednesday, October 14, 2020 12noon

MEETING: UWCD Board of Directors Meeting

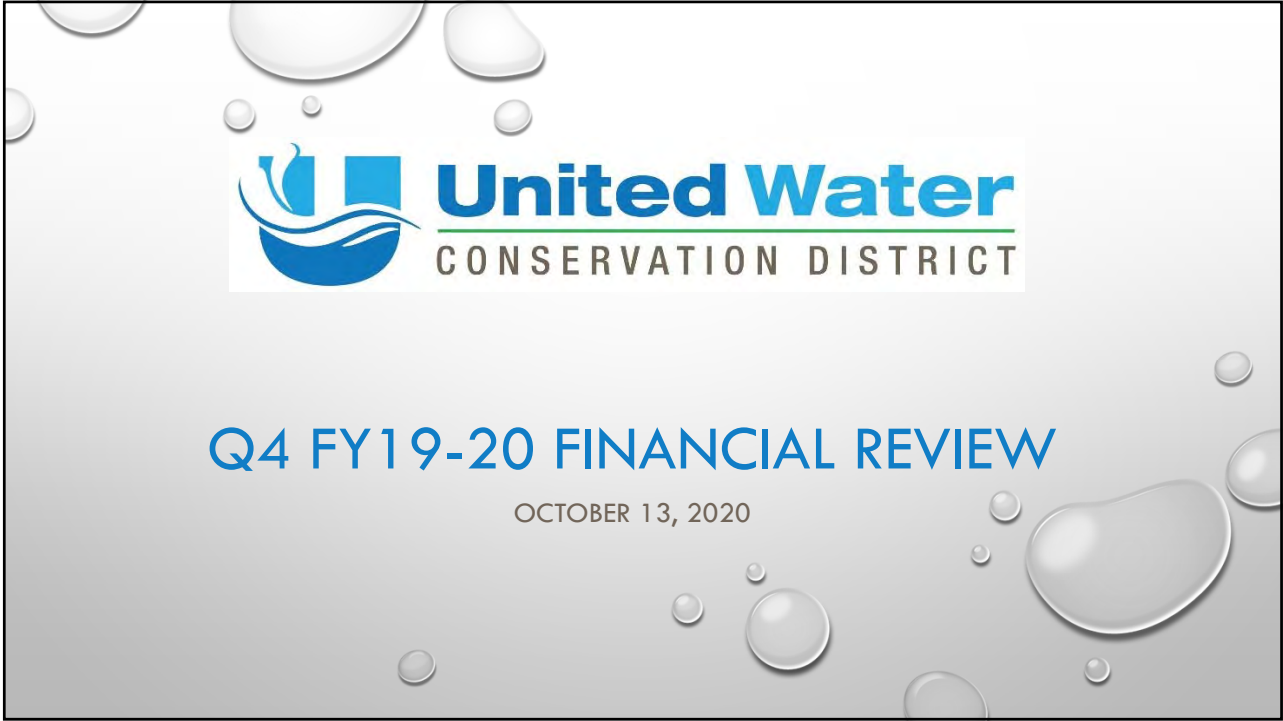
The signing or registering of your name on this sign-up form is not required but is voluntary. All persons may attend the meetings of the Board of Directors of United Water Conservation District without signing or registering their names on this form.

Name (Please Print)

Representing

Tara Brano
Chien Ng

CV Strategies
Oxnard



1

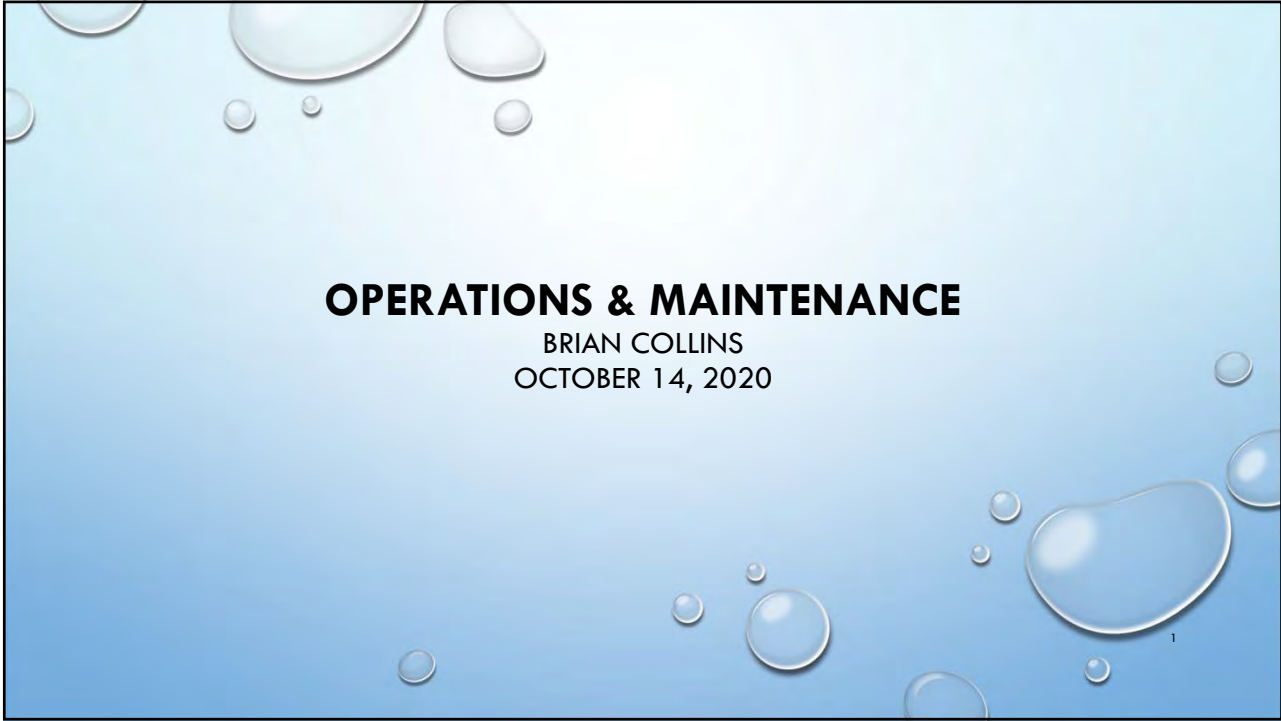
KEY DOCUMENTS

NET REVENUE AHEAD OF PLAN, EVEN WITH OPEX OVERRUNS

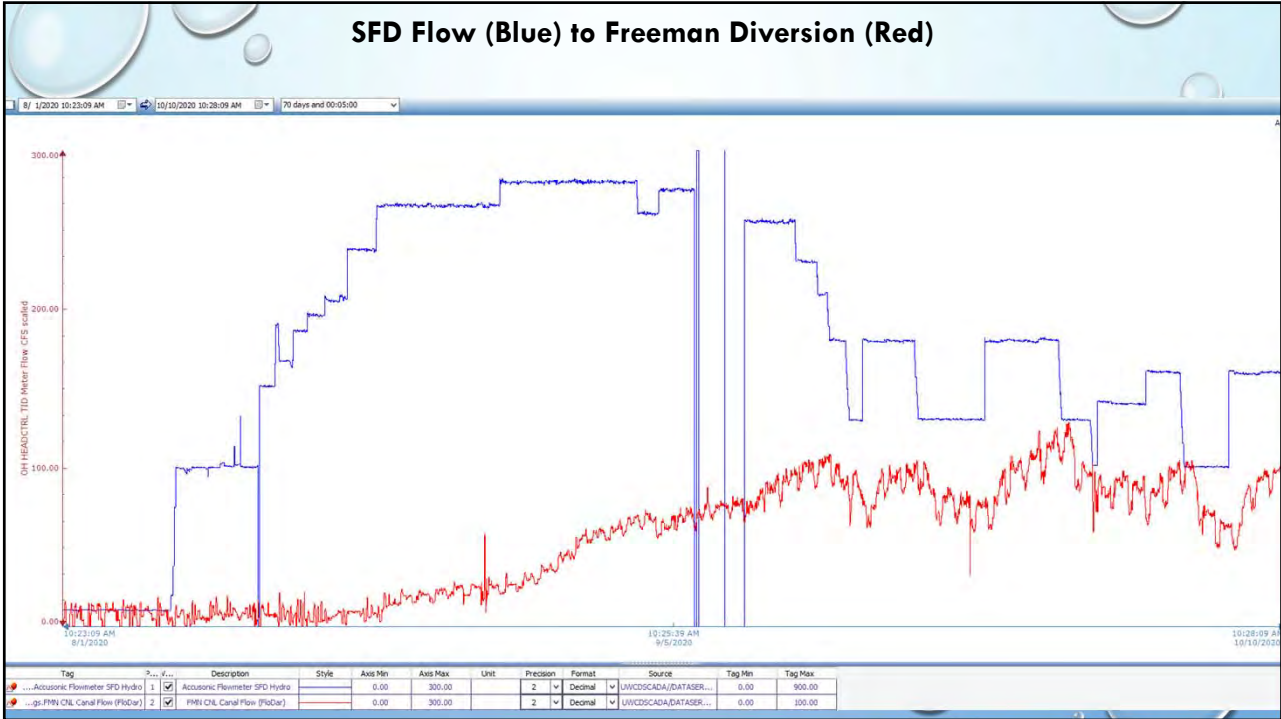
- 1. RESOLUTION**—AUTHORIZES DISTRICT STAFF TO EXECUTE DEBT INSTRUMENTS
- 2. TRUST AGREEMENT**—ESTABLISHES TERMS OF DELIVERY AND PAYMENT OF CERTIFICATES OF PARTICIPATION
- 3. INSTALLMENT PURCHASE AGREEMENT**—ESTABLISHES CONTRACT BETWEEN DISTRICT AND PUBLIC FACILITIES FINANCING CORPORATION
- 4. ESCROW AGREEMENT**—FACILITATES REFUNDING OF 2001, 2005 AND 2009 DEBT
- 5. PRELIMINARY OFFICIAL STATEMENT**—PRINCIPAL OFFERING DOCUMENT PROVIDES ALL OPERATIONAL AND FINANCIAL INFORMATION ON THE DISTRICT RELEVANT TO MARKETING 2020 CERTIFICATES

2

TIMELINE	
Date	Task
Wednesday, October 7, 2020	Rating Call with S&P
Week of October 12	Receive credit ratings
Wednesday, October 14, 2020	UWCD Public Facilities Financing Corp. and Board of Directors Meeting and approval
Tuesday, October 20, 2020	Post POS
Tuesday, October 27, 2020	Pricing
Wednesday, October 28, 2020	Issue Notice of Redemption
Monday, November 9, 2020	Pre-closing
Tuesday, November 10, 2020	Closing
Wednesday, December 2, 2020	Redemption of Bonds (30 day escrow)



1



2



3



4



5

NEAR TERM – TURNOUT/FLUSHING ACTIVITY

Sediment Management of the Ramp and Diversion System

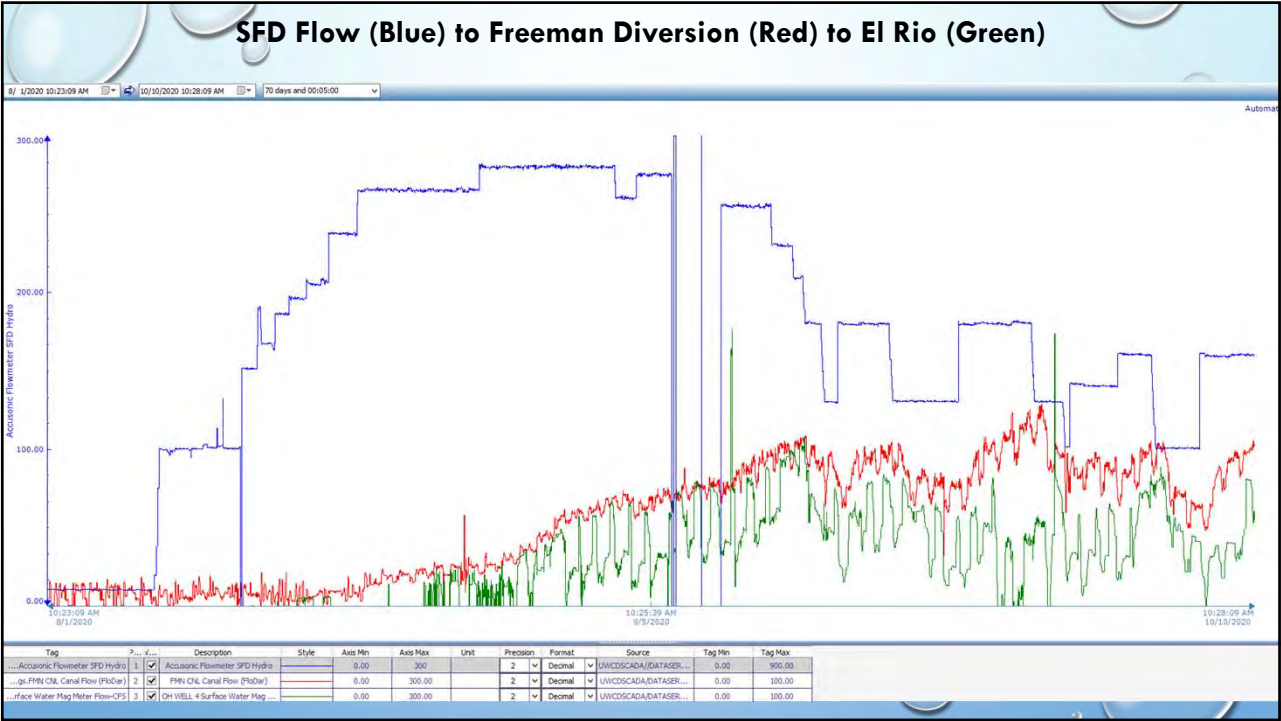
• Turnouts

• Flushes

6



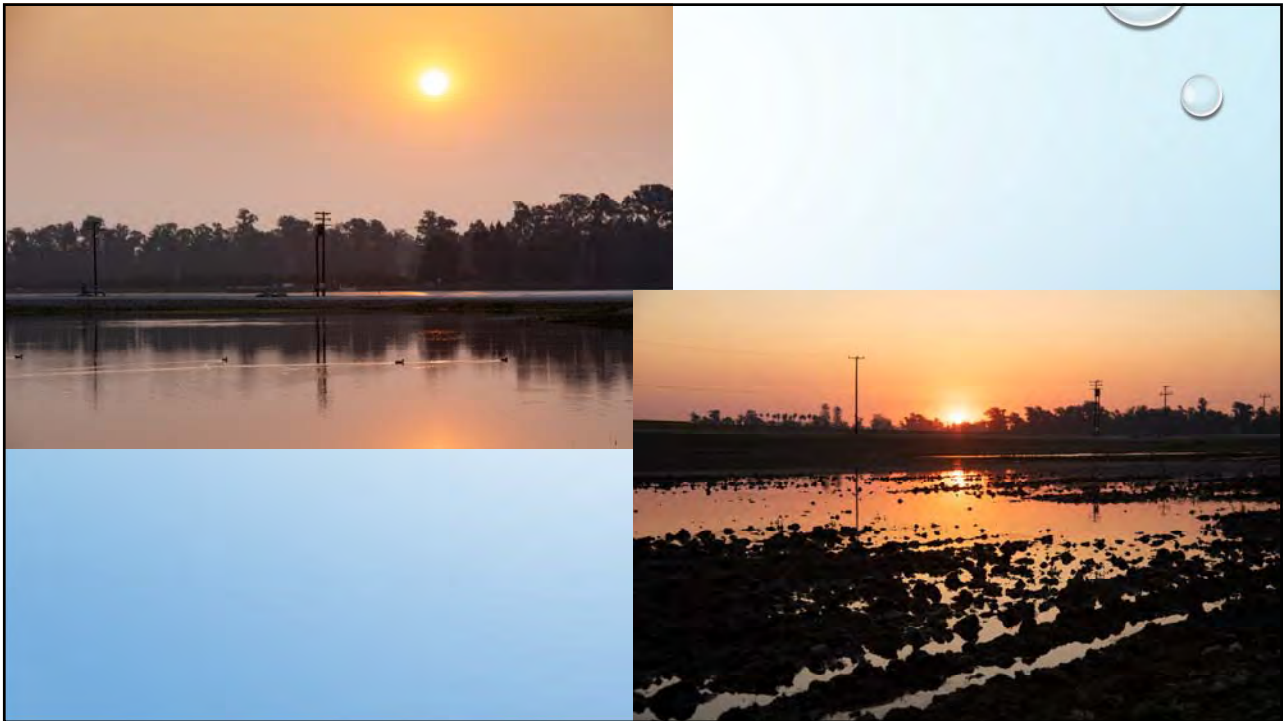
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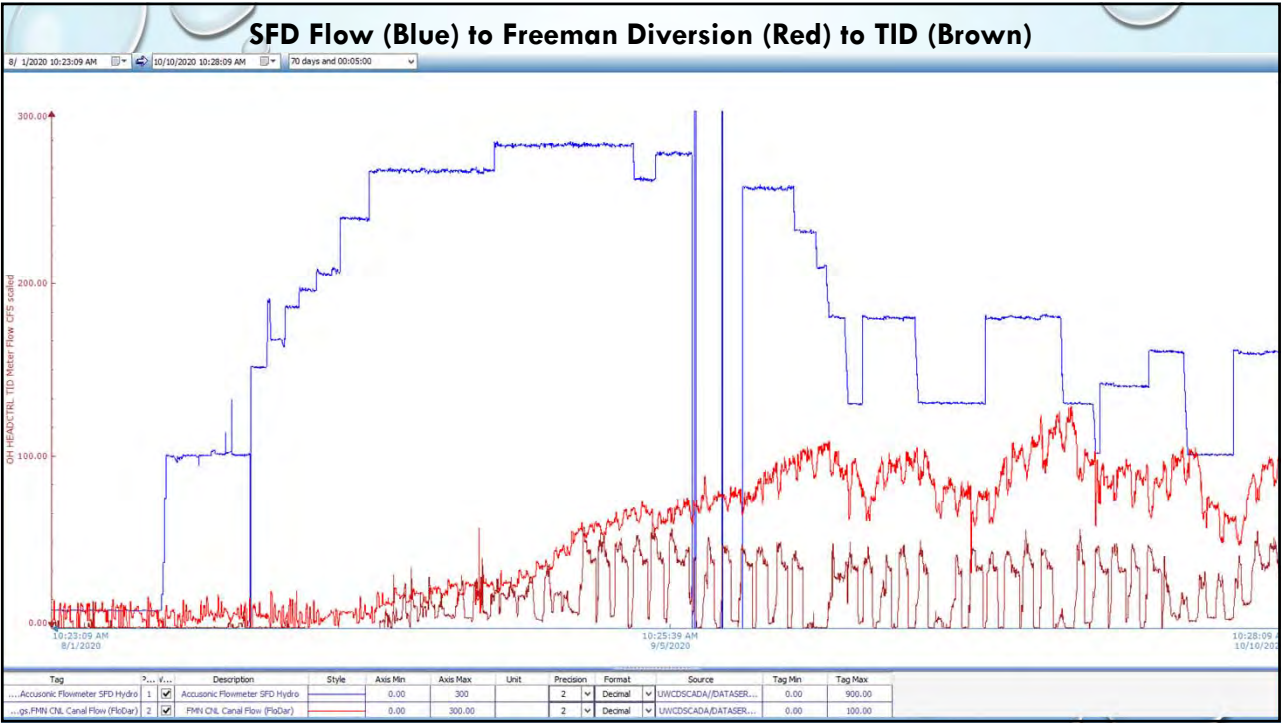
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12





15



LAKE PIRU RECREATION AREA

MONTHLY DEPARTMENTAL HIGHLIGHTS

1



Division Highlights For July, August, September 2020

- Contract Negotiation Efforts
 - Staff met with onsite concessionaire Parks Management Company to begin negotiations associated with extending the concessions agreement expiring December 31, 2020.
 - The focus of initial discussion has been to address the desires of the District in a new agreement and to discuss PMC's desire to remain under contract with the District.
- Ongoing Maintenance Activities
 - Ongoing marina repairs
 - Repairs to the park's irrigation systems
 - Evaluation of the park's roadway drain systems along the East road after Holser fire.

2

Division Highlights For July, August, September 2020, continued

- Emergency Responses
 - Search, Rescue and Recovery Efforts associated with the July 8 drowning incident at Lake Piru included the initiation of an Incident command, coordination with local law enforcement, search and rescue efforts using District equipment and the oversight of media management in conjunction with the County Sheriffs office.
 - Responded to two single vehicle injury collisions on Piru Canyon
- Fire Response Efforts
 - Support of local fire and EMS efforts in suppressing the Holser Fire and the small fire below the entry kiosk
- Trainings
 - Completed of BLS First Aid/AED/CPR certification
 - Completion of Daily Policy Training Bulletins pursuant to POST standards as part of the District's new ranger policy manual
 - Completion of FEMA Emergency Management Certification courses

3

Holser Fire



4

Marina Dock Repairs

INTERDEPARTMENTAL TEAMWORK

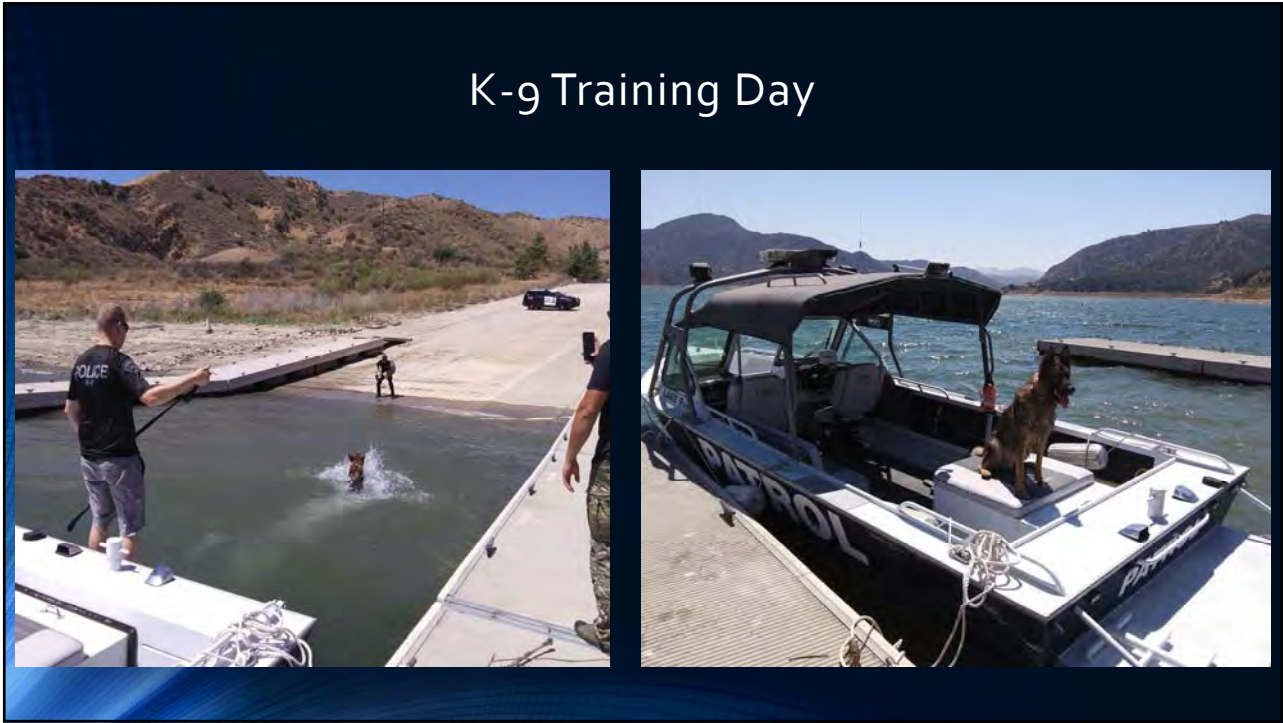


5

Santa Clara River Clean-Up Effort



6





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

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

MINUTES
SPECIAL BOARD MEETING
United Water Conservation District Board of Directors
Tuesday, October 27, 2020 at 12noon
Boardroom
1701 North Lombard Street, Suite 200, Oxnard CA 93030

DIRECTORS PARTICIPATING

President Michael W. Mobley
Vice President Bruce E. Dandy
Secretary/Treasurer Sheldon G. Berger (virtual)
Patrick J. Kelley (virtual)
Lynn E. Maulhardt
Edwin T. McFadden III (virtual)
Daniel C. Naumann

STAFF PARTICIPATING

Mauricio E. Guardado, Jr., general manager
David D. Boyer, legal counsel

PUBLIC PARTICIPANTS

Dr. Bill Mathis, The Mathis Group

FIRST OPEN SESSION 12noon

President Mobley called the Special Board Meeting to order at 12noon and took roll call of the Directors participating. All seven Directors were in attendance or participating virtually.

1. Public Comments

President Mobley asked if there were any public comments. None were offered. He then asked Mr. Boyer, District's legal counsel, to list the items for discussion in Executive (Closed) session.

Mr. Boyer stated that the Board would be discussing three cases of existing litigation with the City of San Buenaventura and one case of existing litigation with Wishtoyo Foundation as well as one case of anticipated litigation.

President Mobley then adjourned the meeting into Executive (Closed) session at 12:05p.m.

EXECUTIVE (CLOSED) SESSION 12:05p.m.

2.1 Conference with Legal Counsel – Existing Litigation

Pursuant to Government Code Section 54956.9 (d)(1)

A. City of San Buenaventura v. United Water Conservation District, et al,
Santa Barbara County Superior Court Case No. VENCI00401714

B. City of San Buenaventura v. United Water Conservation District, et al,
Santa Barbara Superior Court Case No. 1414739 (consolidated for
purposes of trial with case in subsection A.)

Note: 2.1 A and B consolidated in the California Supreme Court, 2nd Civil No.
S226036, Review granted on June 24, 2015 of published decision of Division
Six, Second District of the Court of Appeal of the State of California, 2d Civil No.
B251810.

C. City of San Buenaventura v. United Water Conservation District, et al,
Santa Barbara County Superior Court Case No. 1467531

D. Wishtoyo Foundation, et al v. United Water Conservation District, U.S.
District Court for the Central District of California, Case No.2:16-cv-
03869 GHK (PLAx)

2.2 Conference with Legal Counsel-Anticipated Litigation

Significant exposure to litigation pursuant to Government Code Section
54956.9(d)(2): one (1) case.

SECOND OPEN SESSION 3:45 p.m.

3.A Pledge of Allegiance

President Mobley opened the second Open Session of the meeting at 3:45p.m. and
asked everyone to stand and recite the Pledge of Allegiance.

3.B Public Comment

President Mobley asked if there were any comments for the Board. None were
offered.

President Mobley asked District's legal counsel Mr. Boyer to report out of
Executive (Closed) session.

3.C Oral Report Regarding Executive (Closed) Session

Information Item

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

ADJOURNMENT 3:55p.m.

President Mobley adjourned the meeting at 3:55p.m. to the Regular Board Meeting of
Tuesday, November 10, 2020, due to the Veteran's Day holiday, or call of the President.

UWCD Special Board Meeting Minutes

October 27, 2020

Page 3

I certify that the above is a true and correct copy of the minutes of the UWCD Special Board of Directors meeting of October 27, 2020.

ATTEST: _____
Sheldon G. Berger, Secretary/Treasurer

ATTEST: _____
Kris Sofley, Clerk of the Board



Staff Report

To: UWCD Board of Directors

Through: Mauricio E. Guardado, Jr., General Manager
Maryam A. Bral, Chief Engineer

From: Kathleen Kuepper, Hydrogeologist
Bram Sercu, Senior Hydrologist

Date: November 3, 2020 (November 10, 2020 Meeting)

Agenda Item: **3B Groundwater Basin Status Reports**
Informational Item

Staff Recommendation:

Receive the enclosed Monthly Hydrologic Conditions Report for the District. Staff will be available to answer any questions.

Summary:

Spreading and Pipeline Deliveries for Month of October 2020

Location	Amount (acre-feet)
Saticoy	376
Noble and Rose Pits	
El Rio	3,155
Piru	
Diverted at Freeman for Pipeline Deliveries	1,686
Saticoy/O-H Deep Wells Pumped for Ag Pipeline Deliveries	
Lloyd-Butler Diversion	Not Available

Groundwater Basin Available Storage at End of Month of October 2020

Basin	Available Storage (acre-feet)
Oxnard Forebay	97,300

Precipitation for Month of October 2020

Location	Precipitation (inches)
Lake Piru	0.00
Santa Paula	0.00
El Rio	0.00

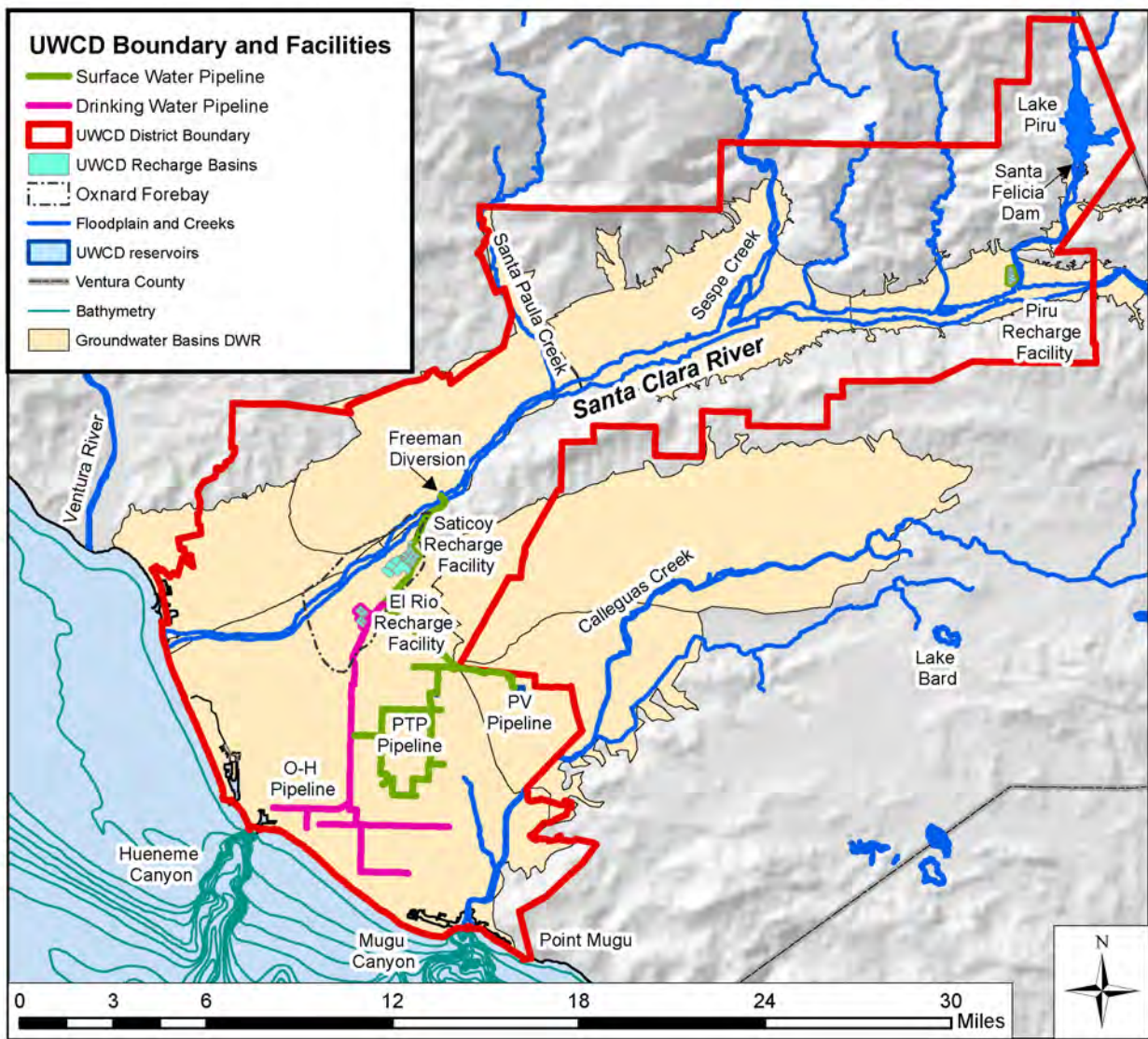


United Water

CONSERVATION DISTRICT

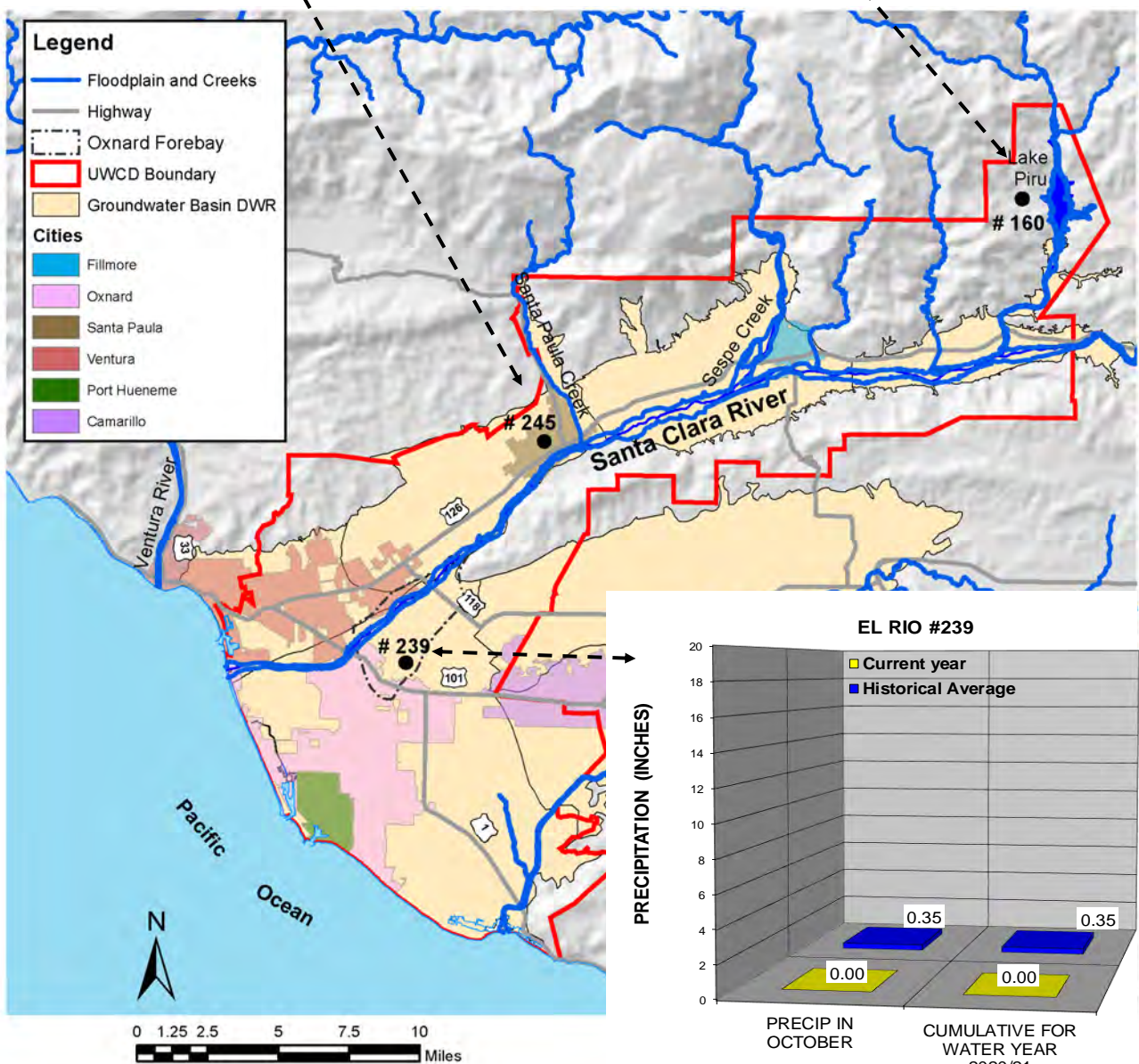
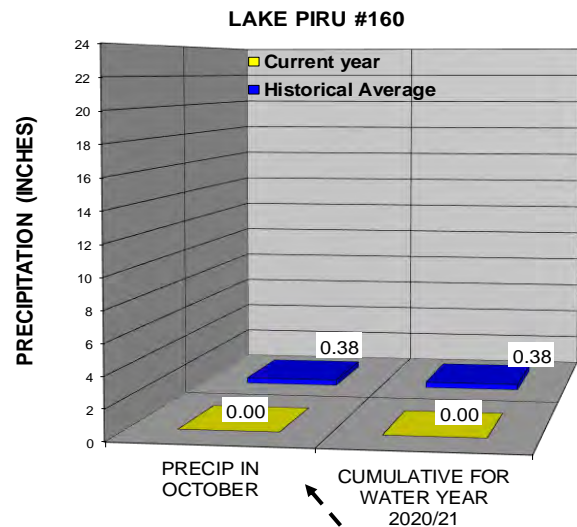
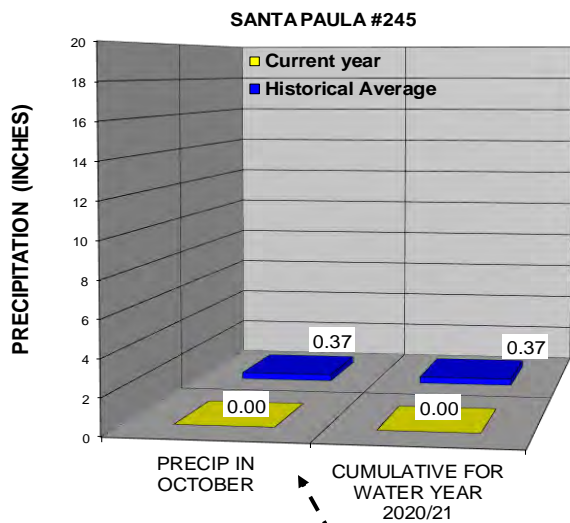
October 2020 Hydrologic Conditions Report 2020/21 Water Year

November 3, 2020



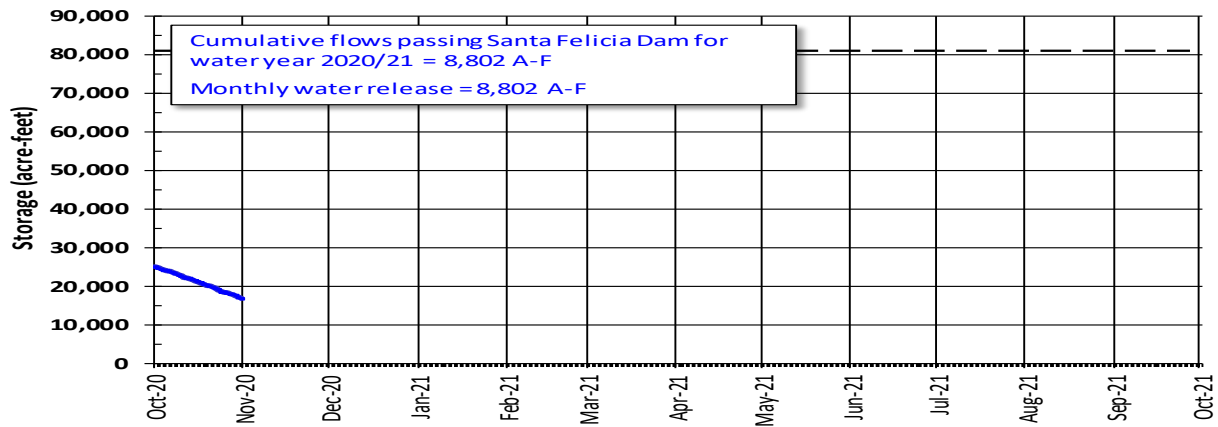
Note: This report may contain provisional data until final review at the end of the water year.

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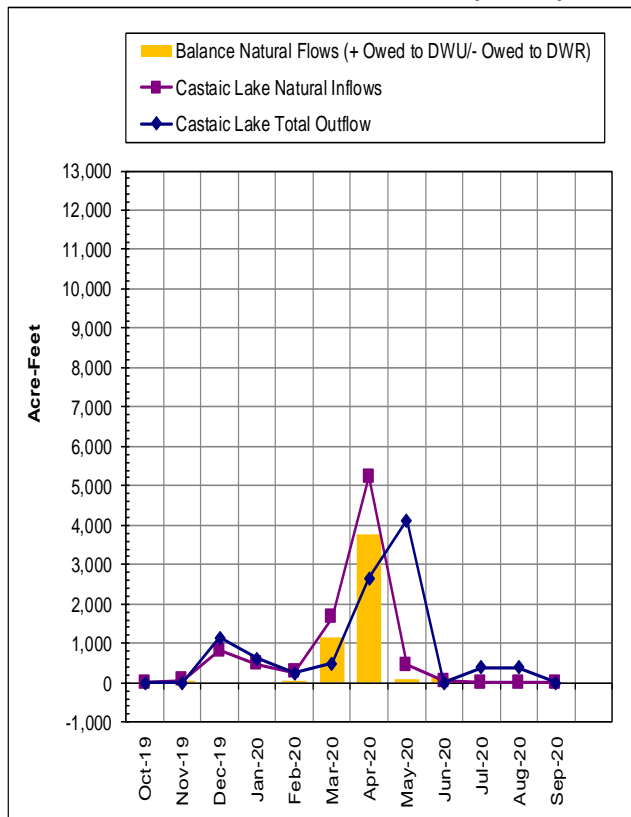
District-wide percent of normal precipitation = NA

Lake Piru storage and outflow

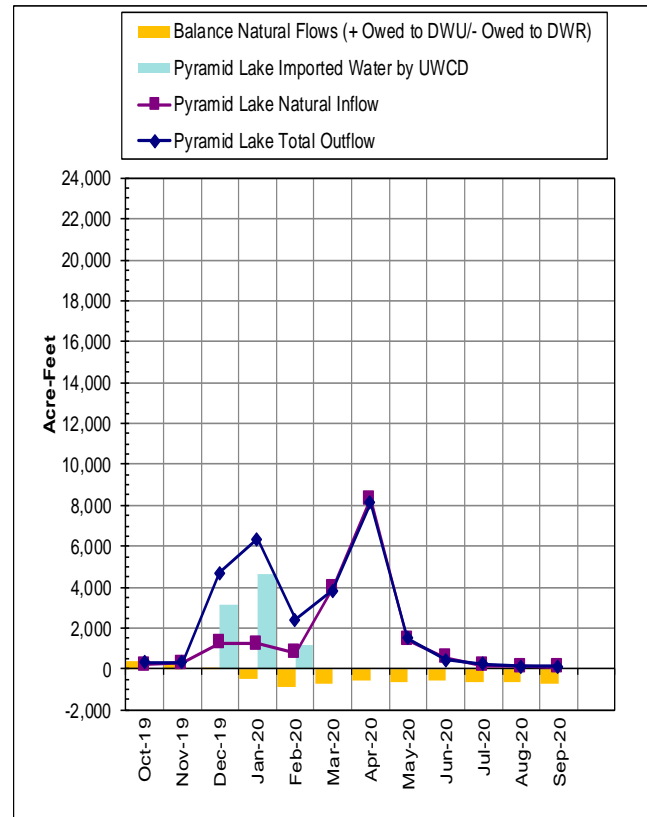


	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Hydro Plant Outflow (Acre-Feet)	4,345											
Cumulative Hydro Plant Outflow (A-F)	4,345											

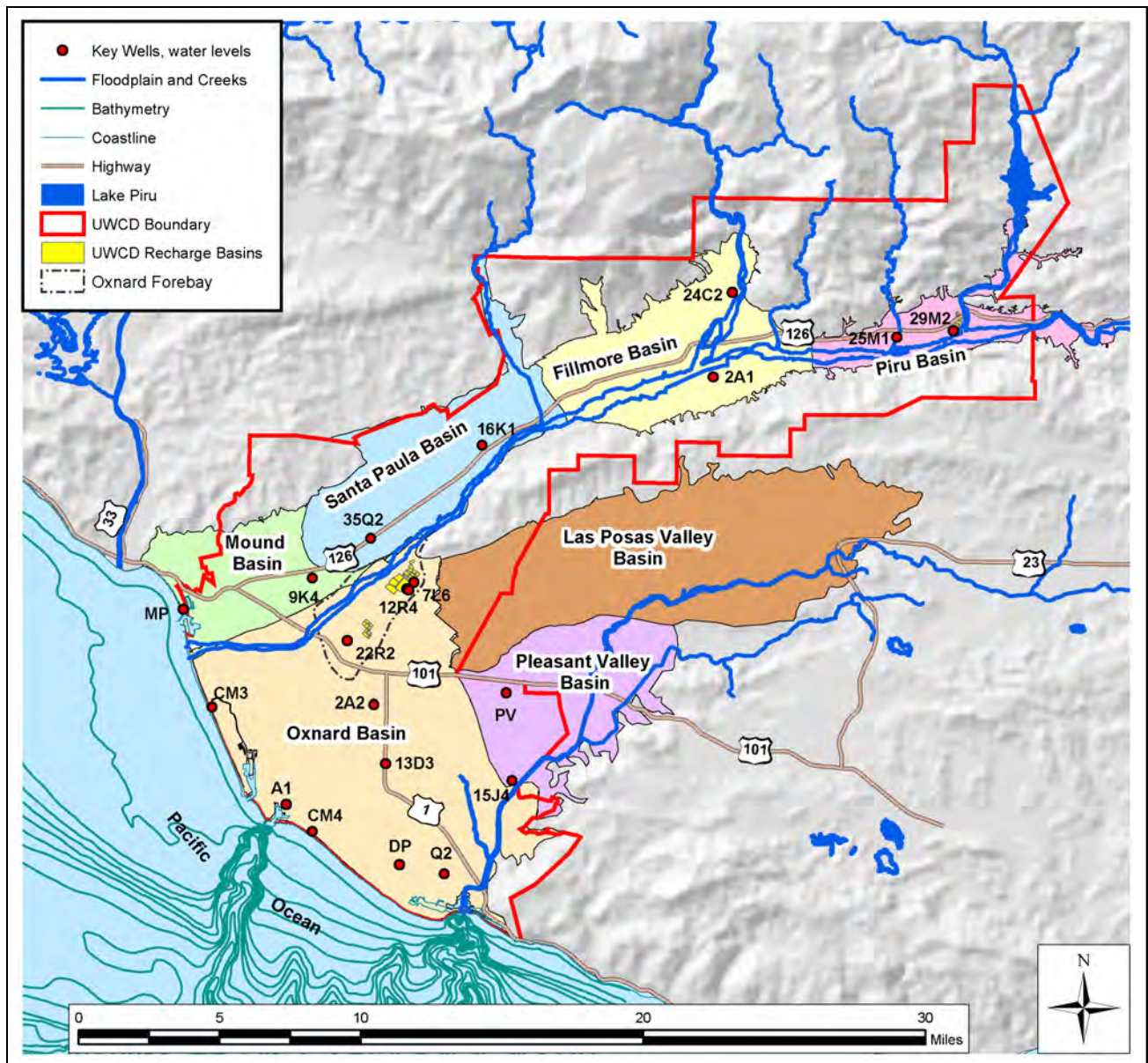
Castaic Lake releases to downstream water users (DWU)



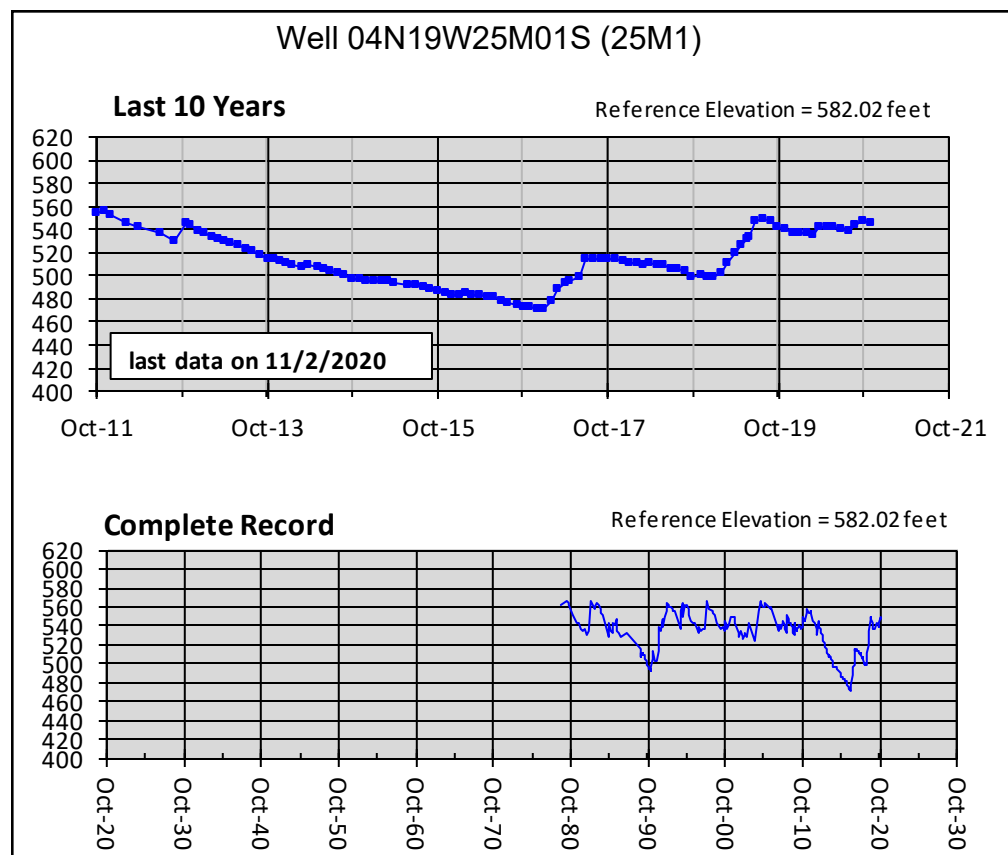
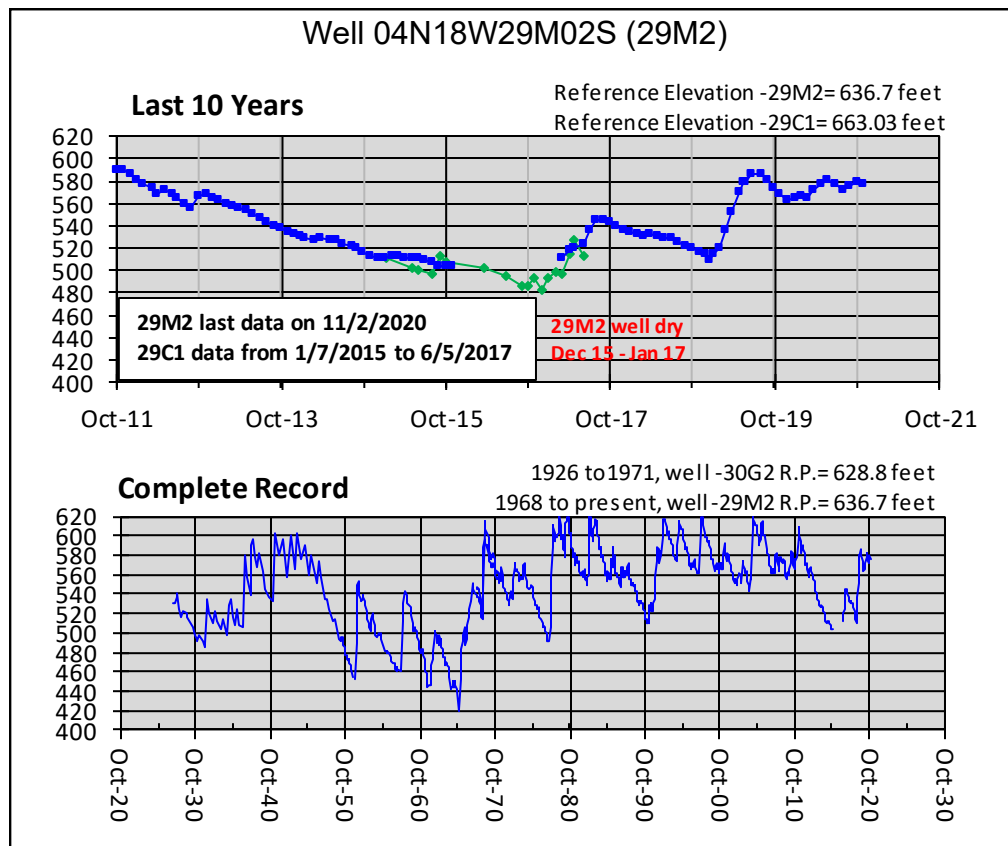
Pyramid Lake releases to UWCD



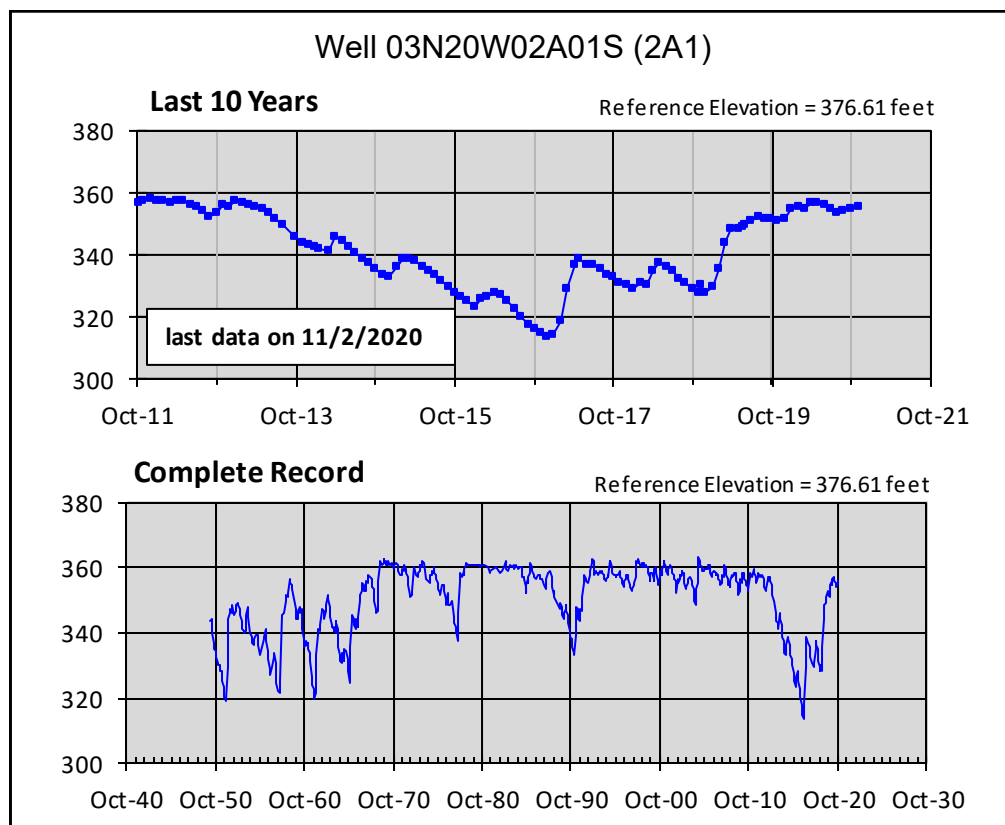
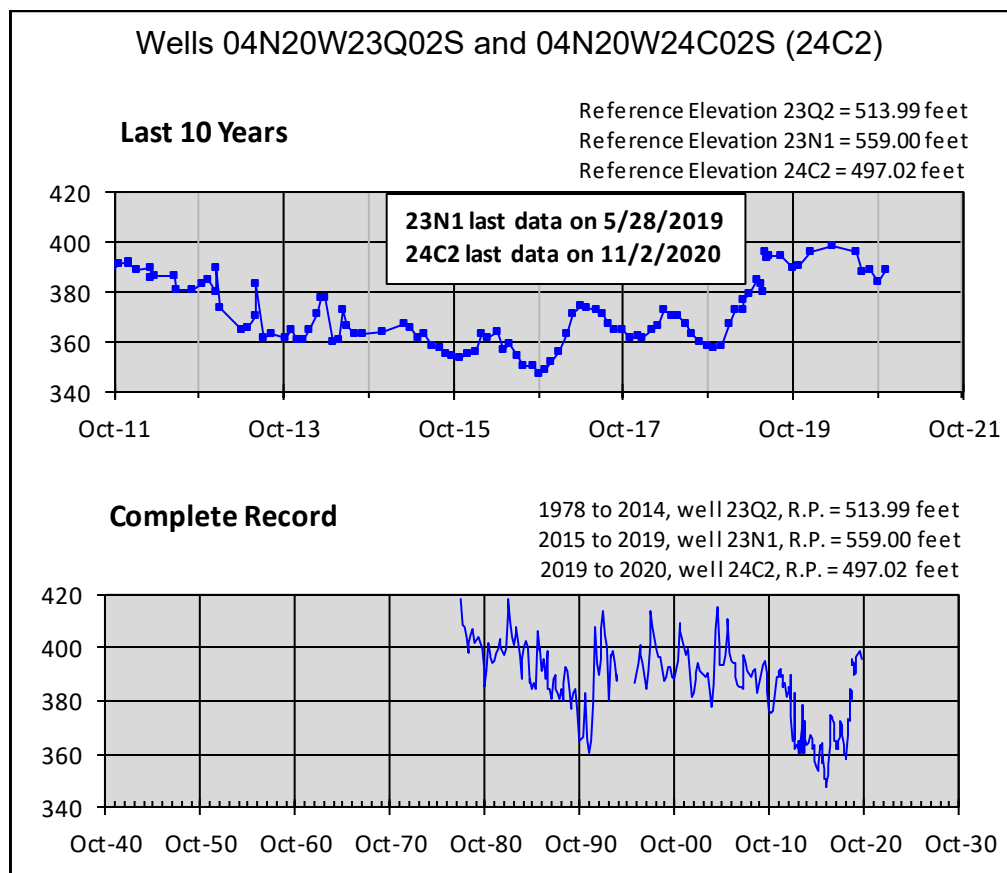
Locations of key wells, monthly groundwater elevation monitoring



Piru Basin Key Wells Groundwater Elevation Records

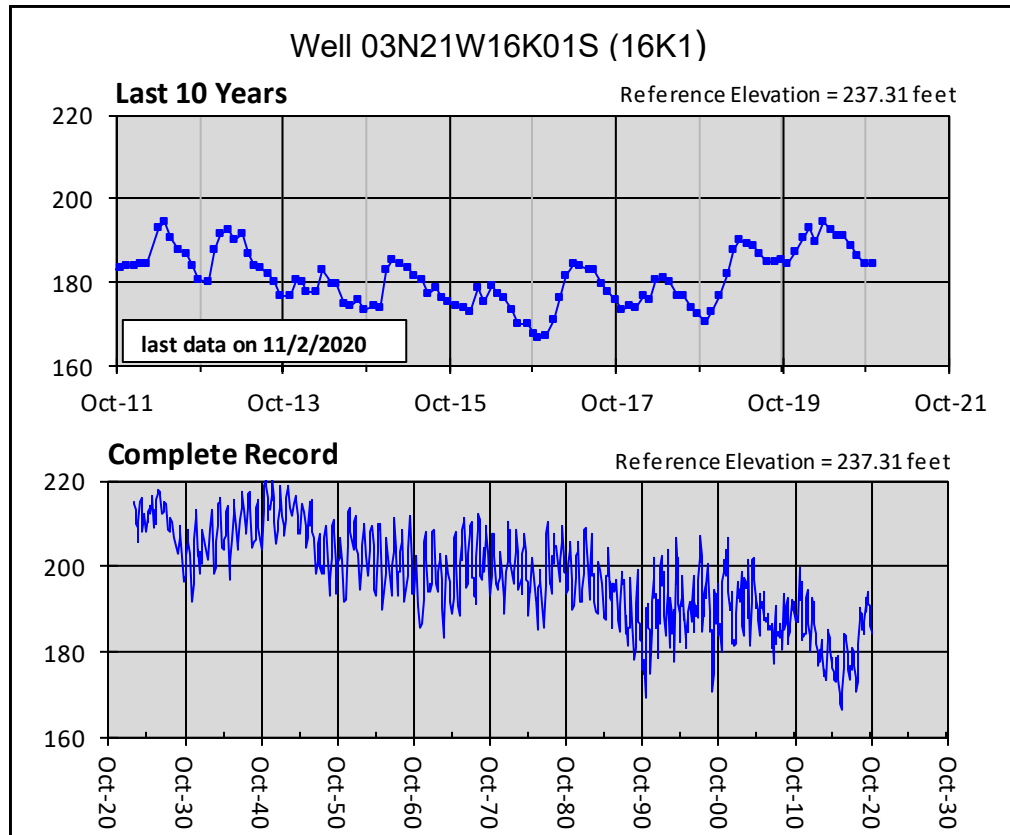


Fillmore Basin Key Wells Groundwater Elevation Records

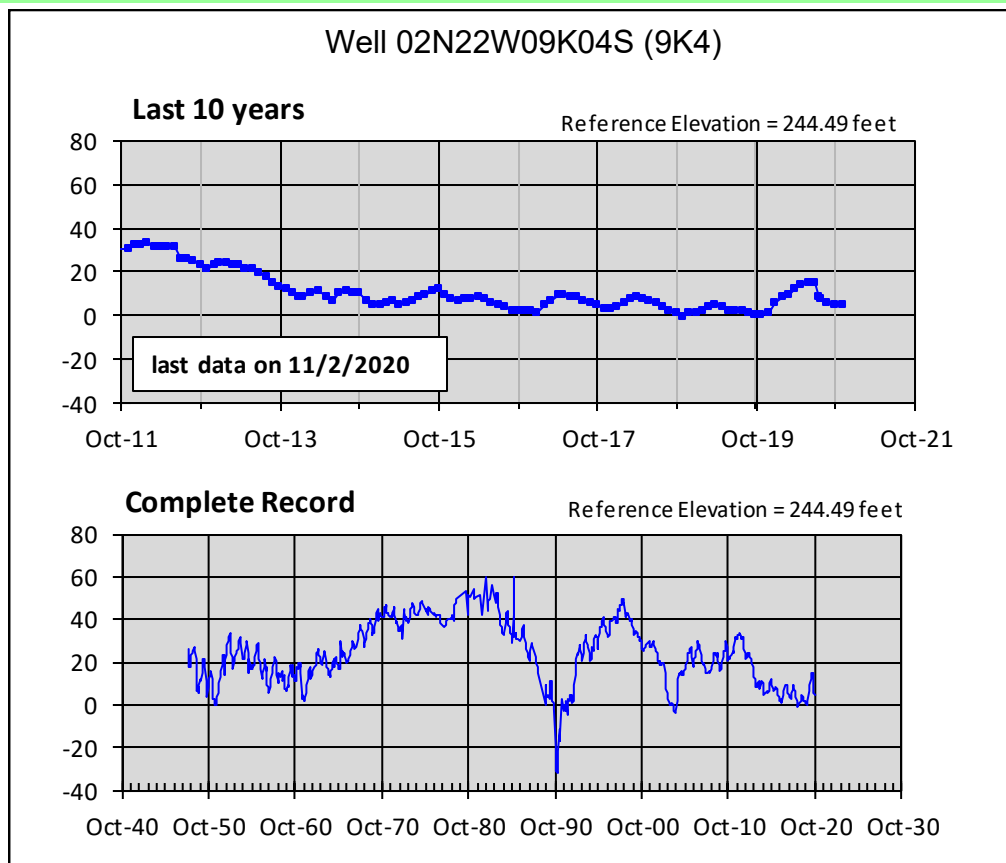


Groundwater Elevation Records

Santa Paula Basin Key Well



Mound Basin Key Well



Oxnard Basin—Forebay Key Wells Groundwater Elevation Records

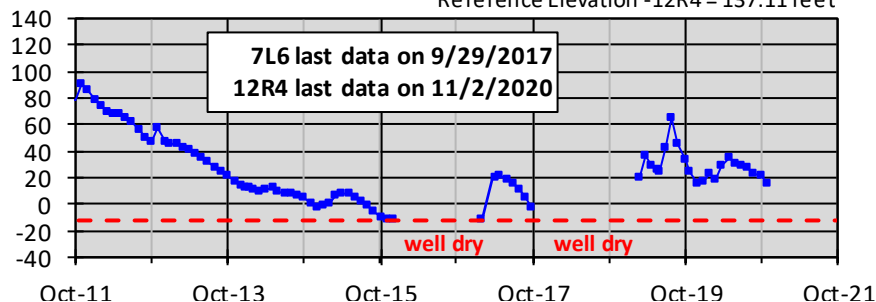
Wells 02N22W12R04S (12R4) and 02N21W07L06S (7L6)

Last 10 Years

Reference Elevation - 12R1 = 134.19 feet

Reference Elevation - 7L6 = 145.75 feet

Reference Elevation - 12R4 = 137.11 feet

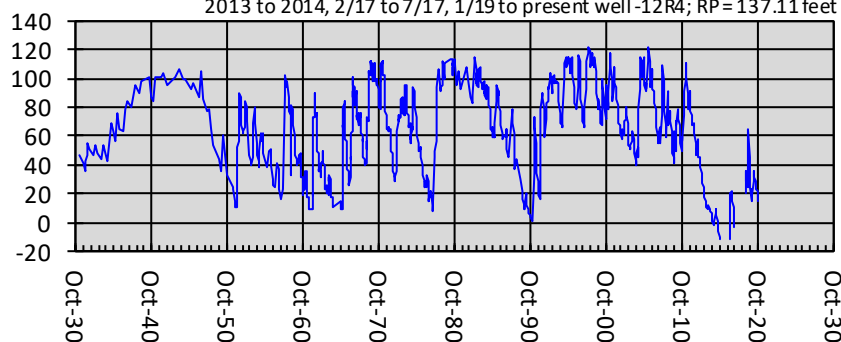


Complete Record

1931 to 2013, well -12R1; RP=134.19 feet

2014 to 1/17, 8/17 to 1/19, well - 7L6; RP = 145.75 feet

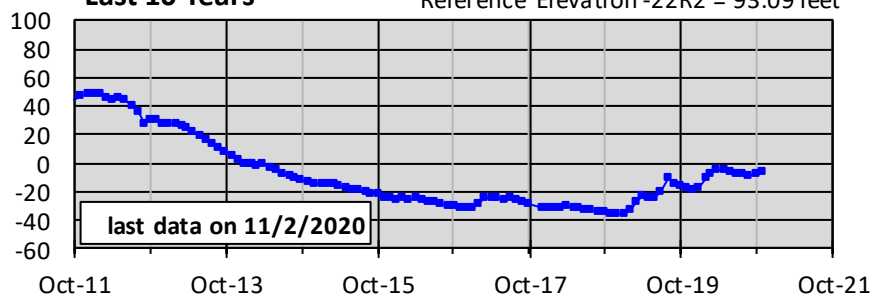
2013 to 2014, 2/17 to 7/17, 1/19 to present well -12R4; RP=137.11 feet



Wells 02N22W22R01S and 02N22W22R02S (22R2)

Last 10 Years

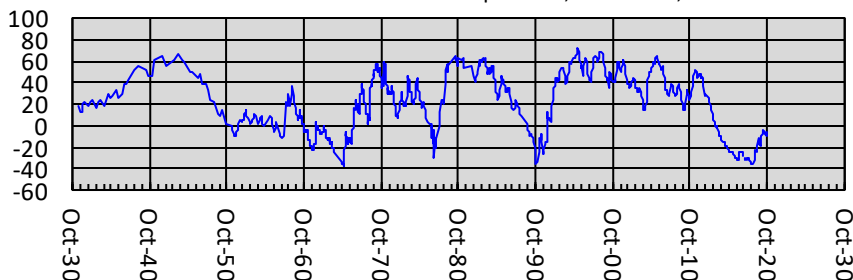
Reference Elevation - 22R2 = 93.09 feet



Complete Record

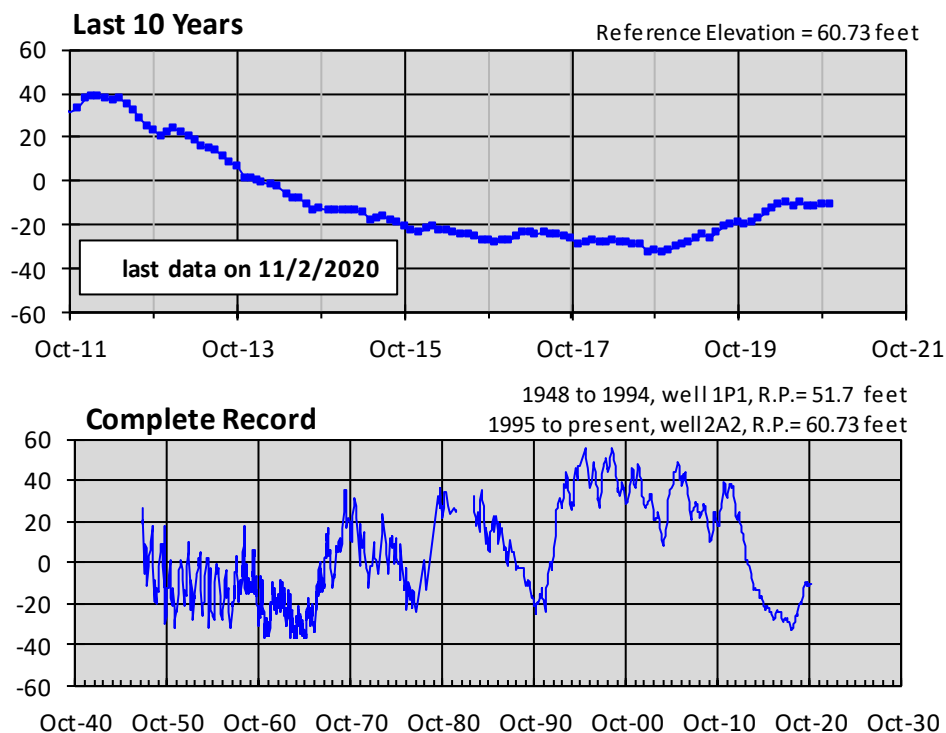
1931 to 2004, well -22R1, RP=93.6 feet

2004 to present, well -22R2, RP = 93.09 feet

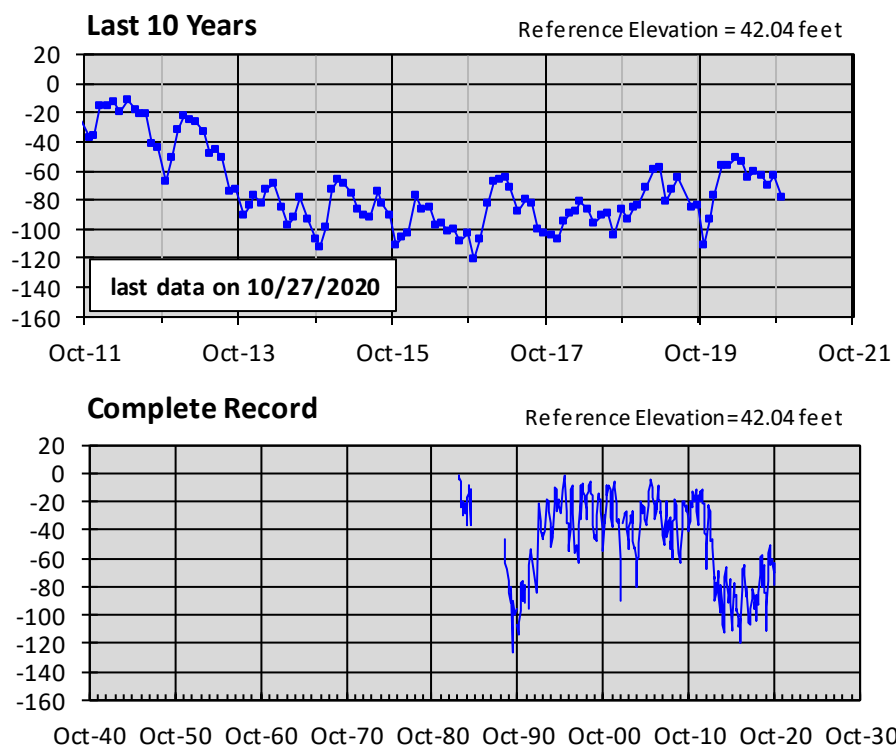


Oxnard Basin Key Wells Groundwater Elevation Records

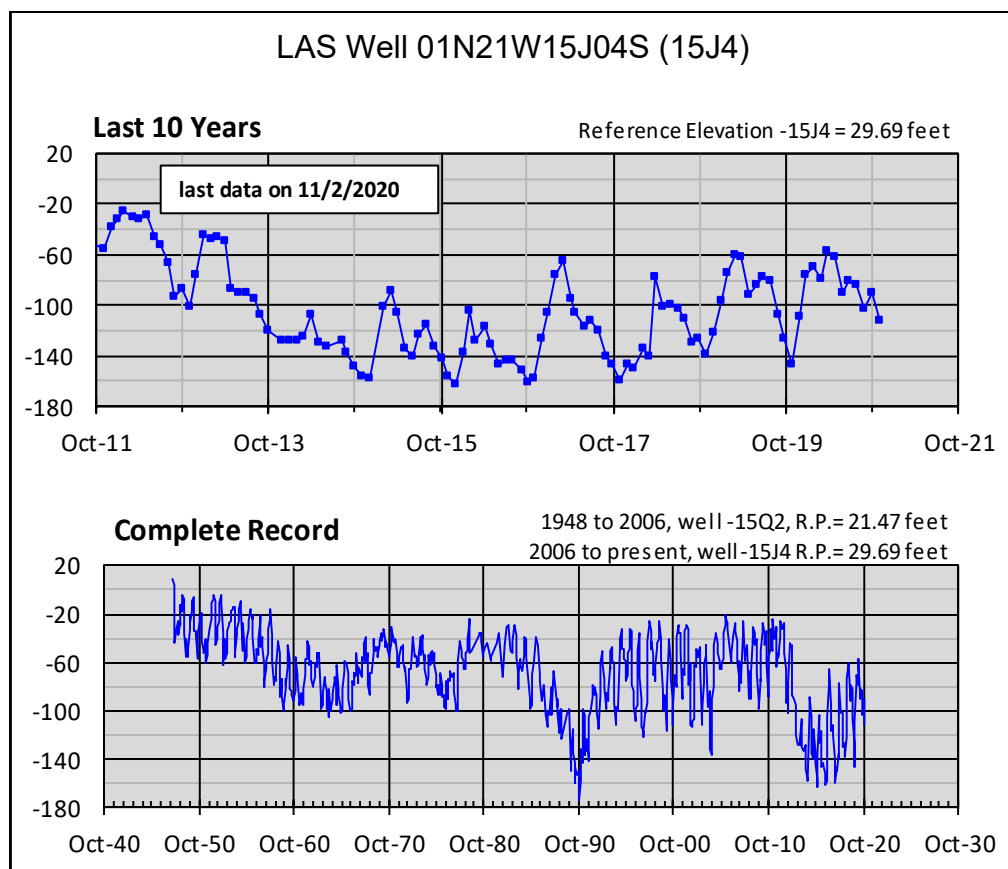
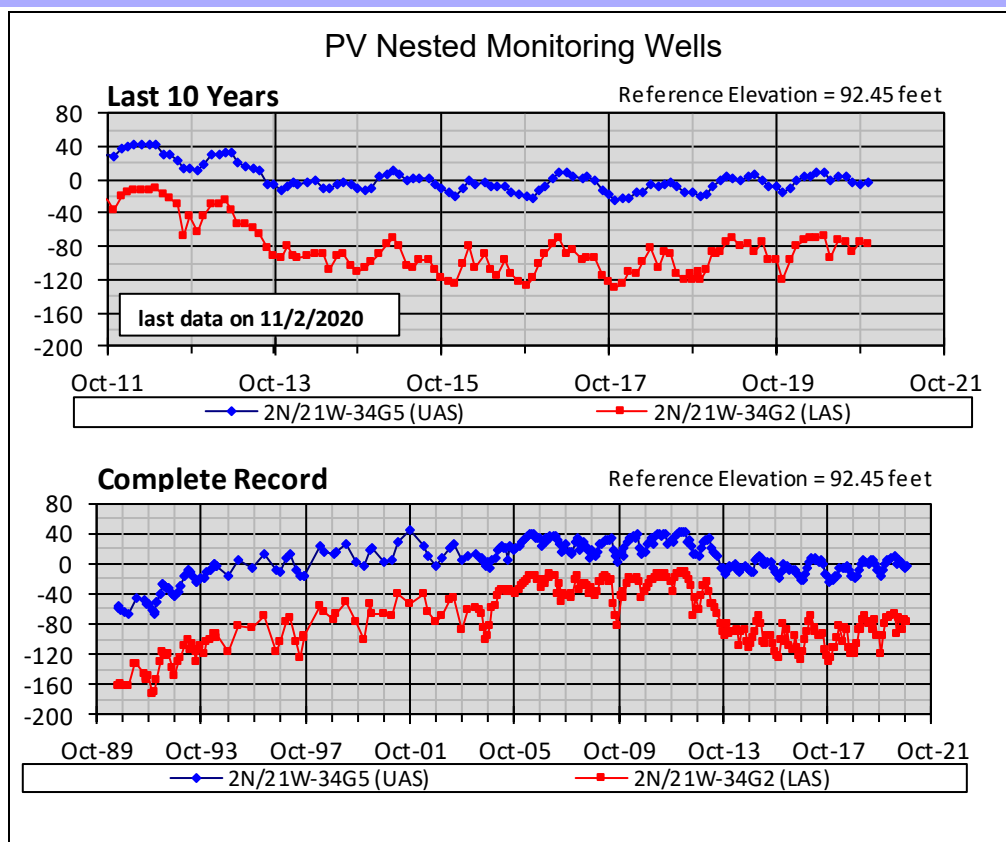
UAS Well 01N22W02A02S (2A2)



LAS well 01N22W13D03S (13D3)

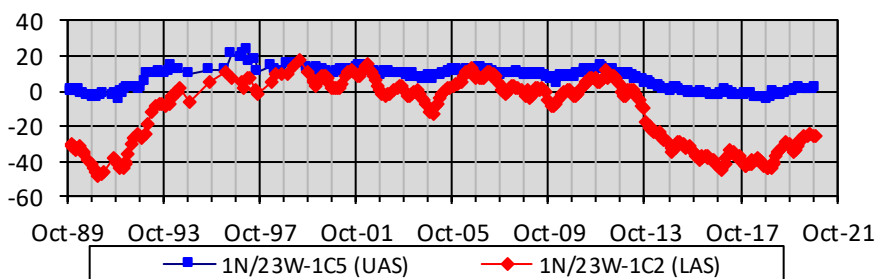


Pleasant Valley Basin Key Wells Groundwater Elevation Records

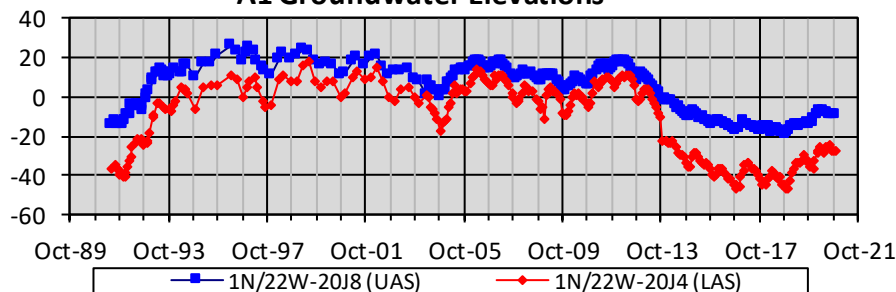


Oxnard Plain Coastal Key Wells—Nested Monitoring Wells

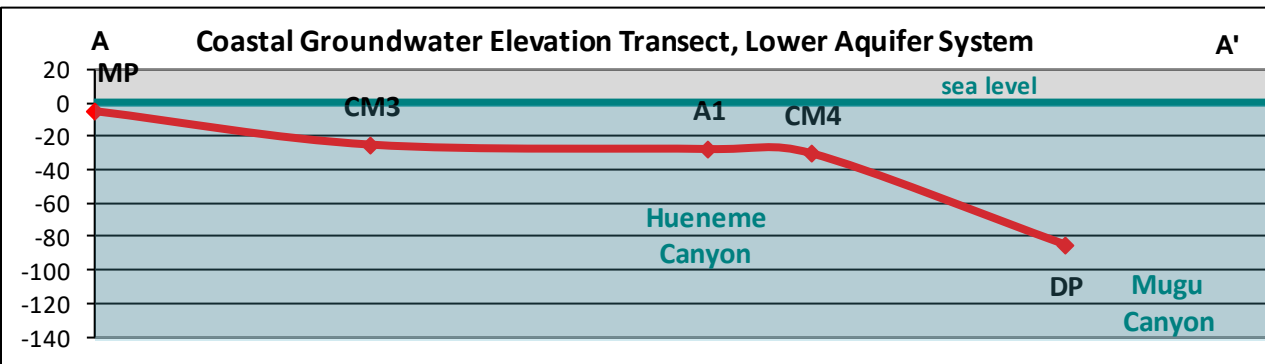
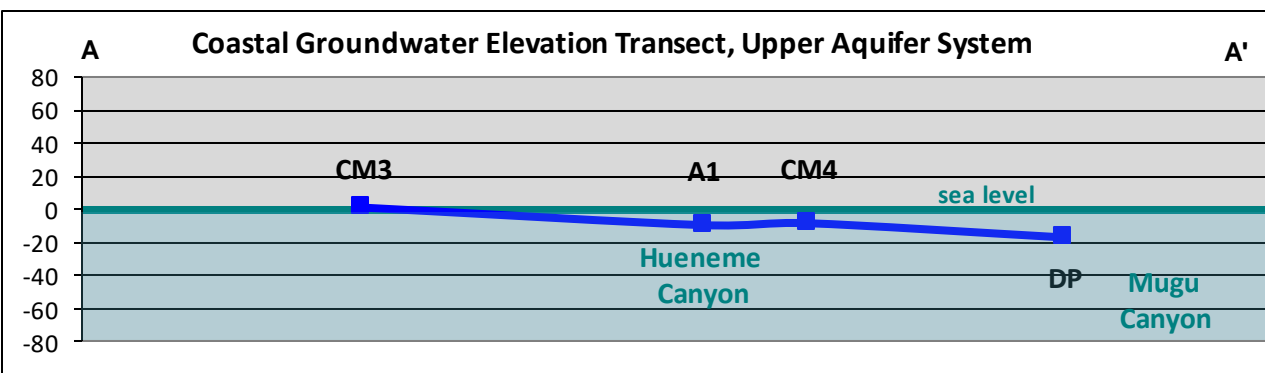
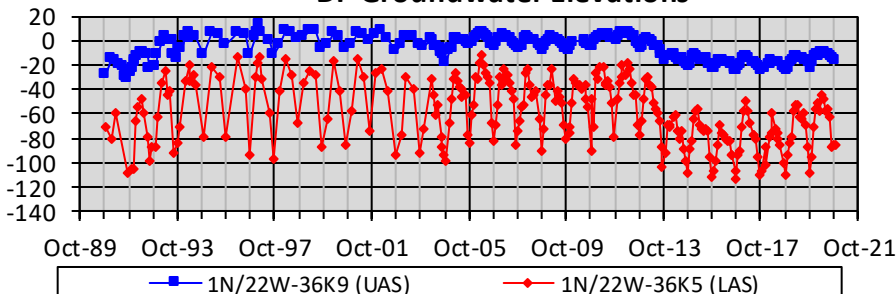
CM3 Groundwater Elevations



A1 Groundwater Elevations



DP Groundwater Elevations



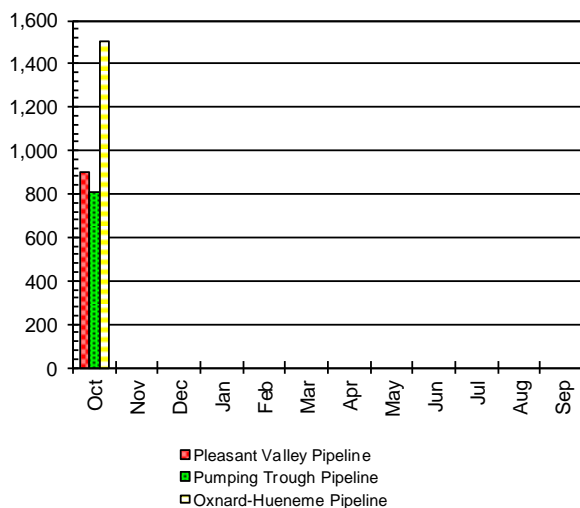
Monthly Water Deliveries, acre-feet (Water Year 2020/21)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	902.5											
PV Pipeline (saticoy well field)	0.0											
Total to Pleasant Valley Pipeline	902.5											
Saticoy Well Field	0.0											
PTP (surface water)	783.7											
PTP (groundwater)	24.8											
PTP (Saticoy well field)	0.0											
Total PTP	808.5											
O-H Pipeline (groundwater)	1,503.0											
Total Surface Water Delivery (PTP & PV)	1,686.2											
Total Groundwater Delivery (OH & PTP)	1,527.8											
Total Delivery, Surface Water & GW	3,214.0											

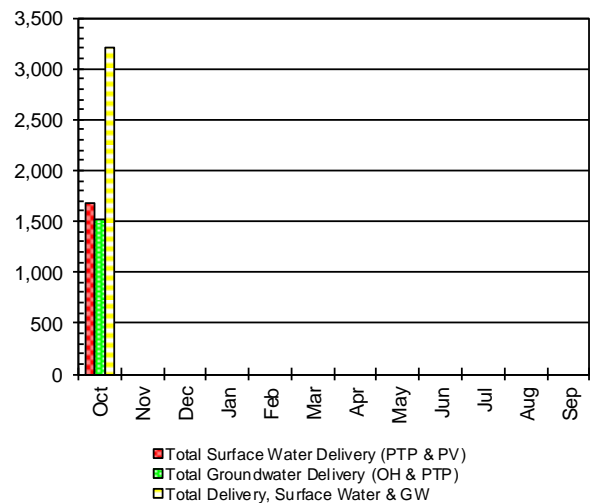
Cumulative Water Deliveries, acre-feet (Water Year 2020/21)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	902.5											
PV Pipeline (saticoy well field)	0.0											
Total to Pleasant Valley Pipeline	902.5											
Saticoy Well Field	0.0											
PTP (surface water)	783.7											
PTP (groundwater)	24.8											
PTP (Saticoy well field)	0.0											
Total PTP	808.5											
O-H Pipeline (groundwater)	1,503.0											
Total Surface Water Delivery (PTP & PV)	1,686.2											
Total Groundwater Delivery (OH & PTP)	1,527.8											
Total Delivery, Surface Water & GW	3,214.0											

Cumulative deliveries by system



Cumulative deliveries by source/type



Monthly diversion and recharge totals by facility, 2020/21, in acre-feet

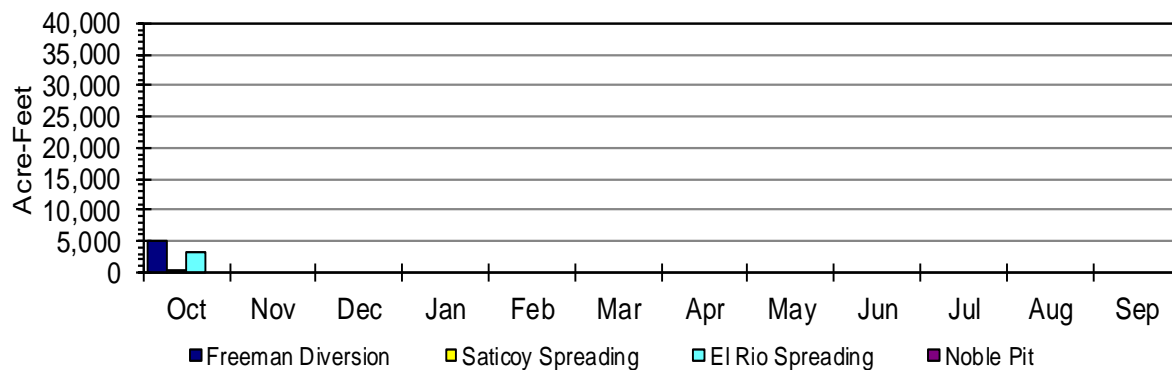
Month	Piru Spreading	Freeman Diversion	Saticoy Spreading	El Rio Spreading	Noble Pit
Oct	0	5,073	376	3,155	0
Nov					
Dec					
Jan					
Feb					
Mar					
Apr					
May					
Jun					
Jul					
Aug					
Sep					

Lloyd-Butler Diversion was not available at the time this report was prepared and therefore not accounted for in the calculation of Saticoy Spreading

Cumulative diversion and recharge totals by facility, 2020/21, in acre-feet

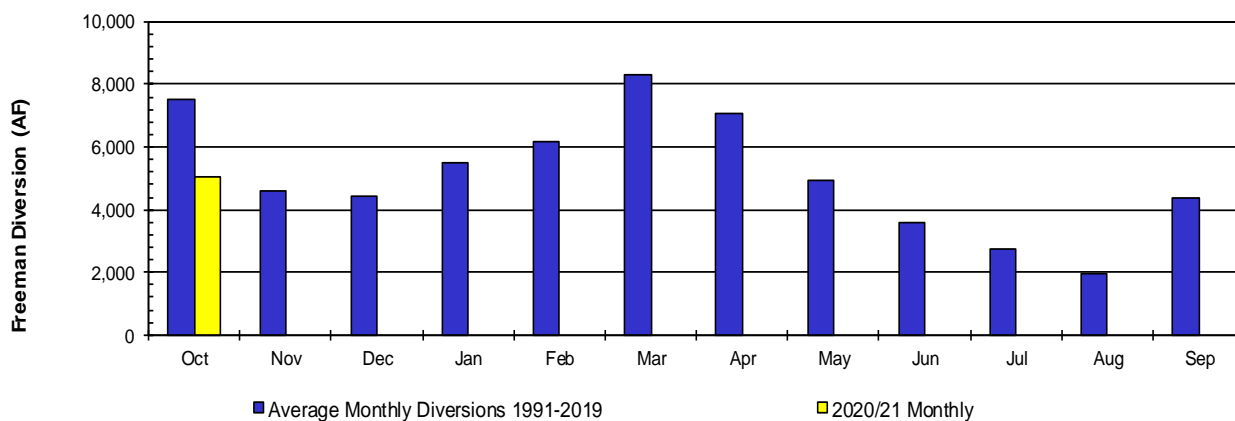
Month	Piru Spreading	Freeman Diversion	Saticoy Spreading	El Rio Spreading	Noble Pit
Oct	0	5,073	376	3,155	0
Nov					
Dec					
Jan					
Feb					
Mar					
Apr					
May					
Jun					
Jul					
Aug					
Sep					

Cumulative diversion at Freeman, and distribution to recharge facilities

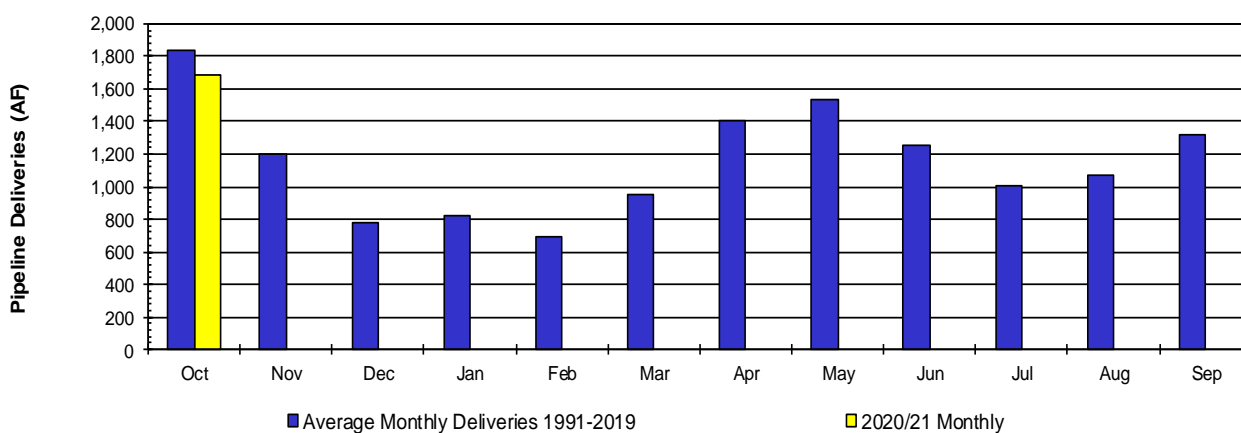


Cumulative diversions to Piru Spreading Grounds, 2020/21 = 0 AF

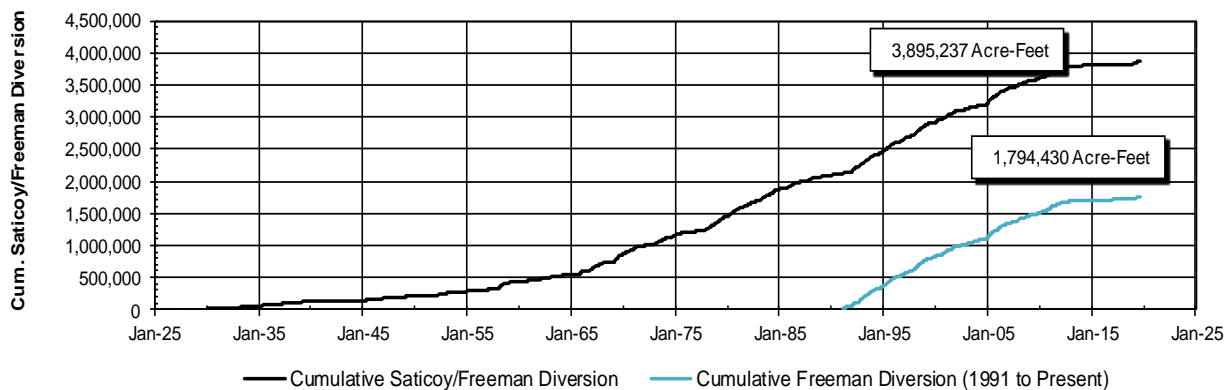
Monthly 2020/21 diversion at Freeman, compared to average monthly diversions (1991-2019)



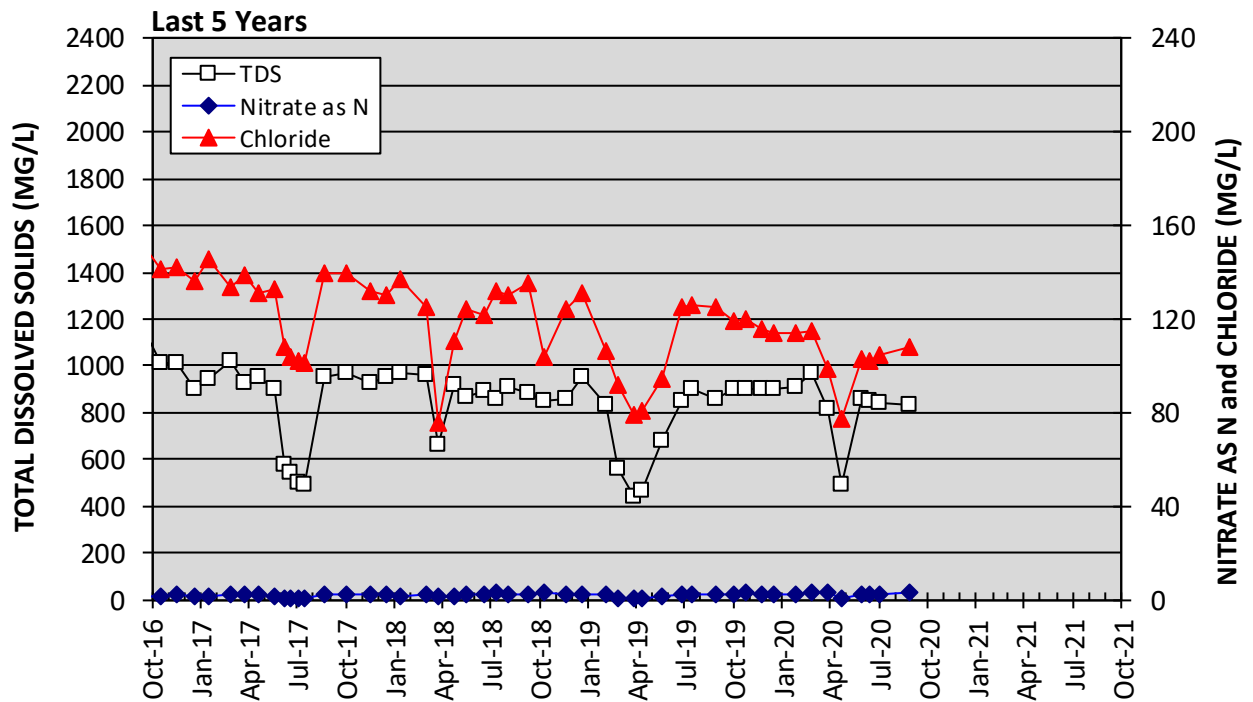
Monthly 2020/21 pipeline deliveries (surface water deliveries), compared to average monthly pipeline deliveries (1991-2019)



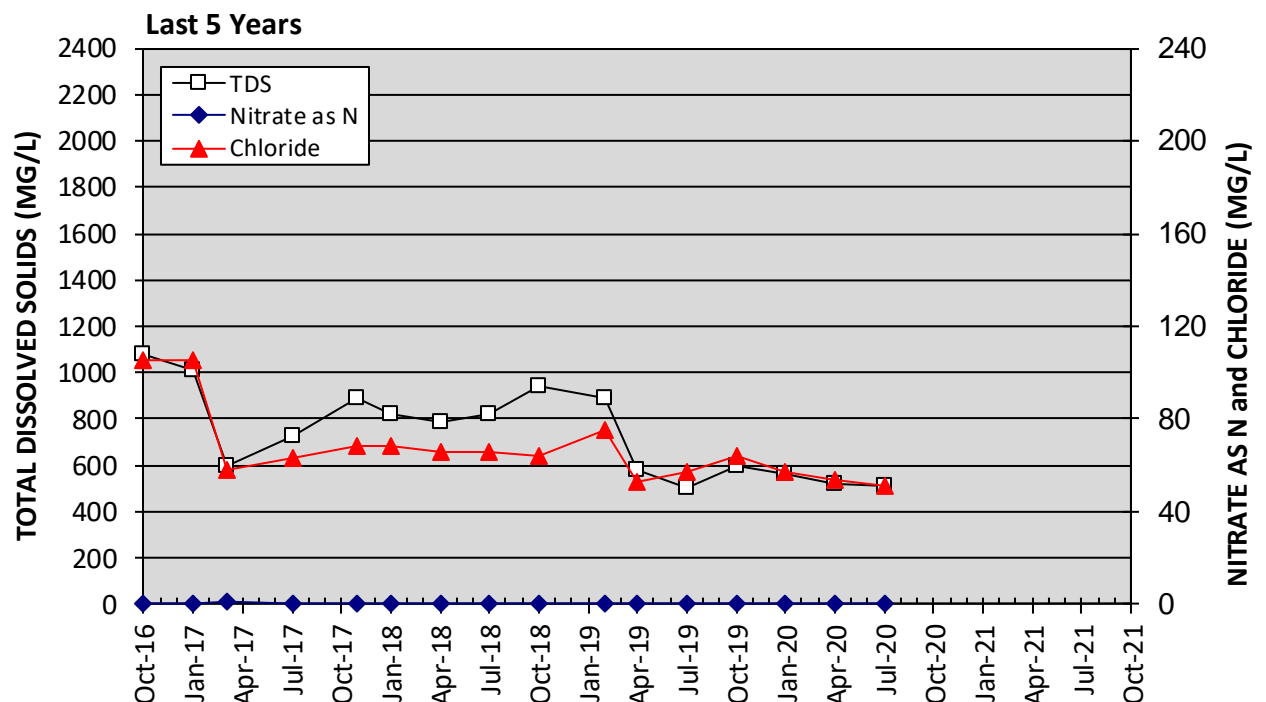
Cumulative diversion at Saticoy and Freeman Diversion, in acre-feet



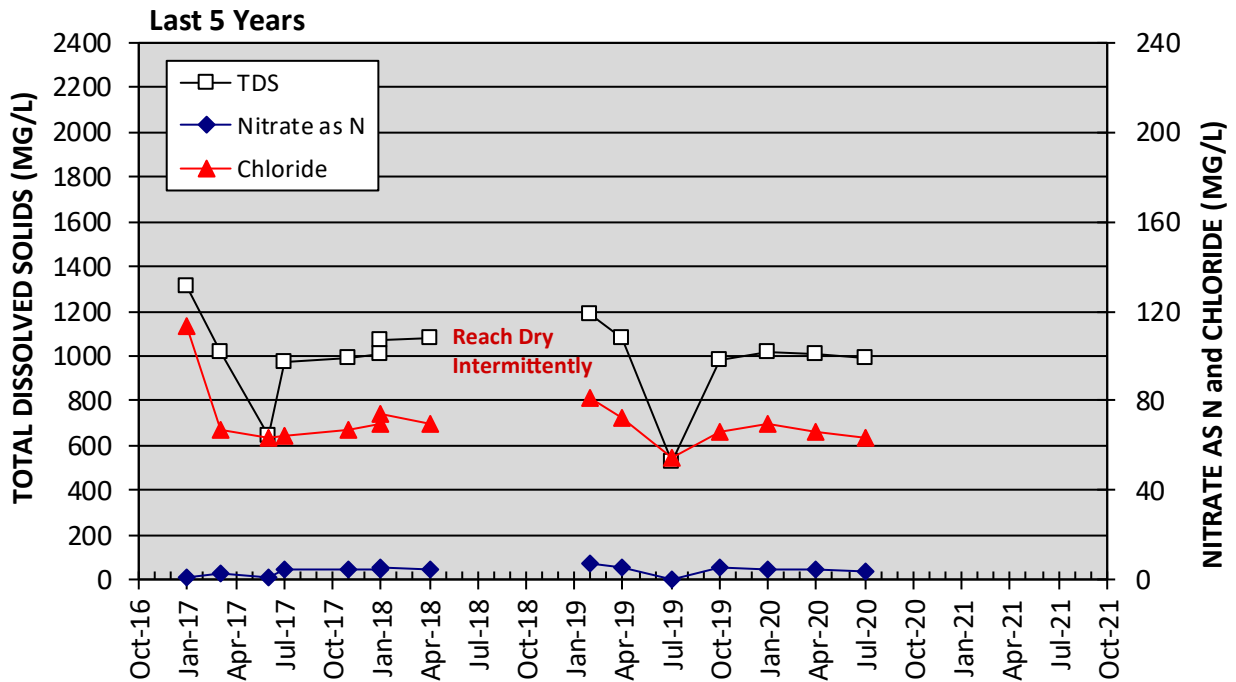
Santa Clara River water quality near Los Angeles/Ventura County line



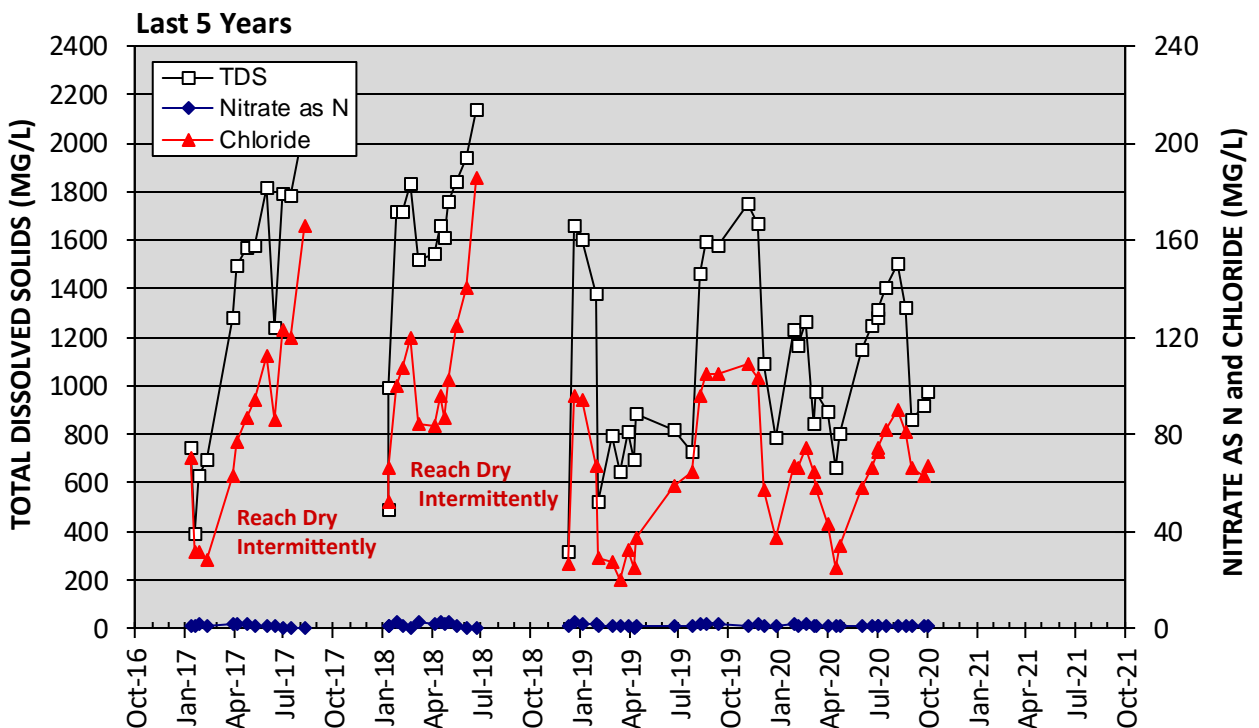
Piru Creek water quality below Santa Felicia Dam



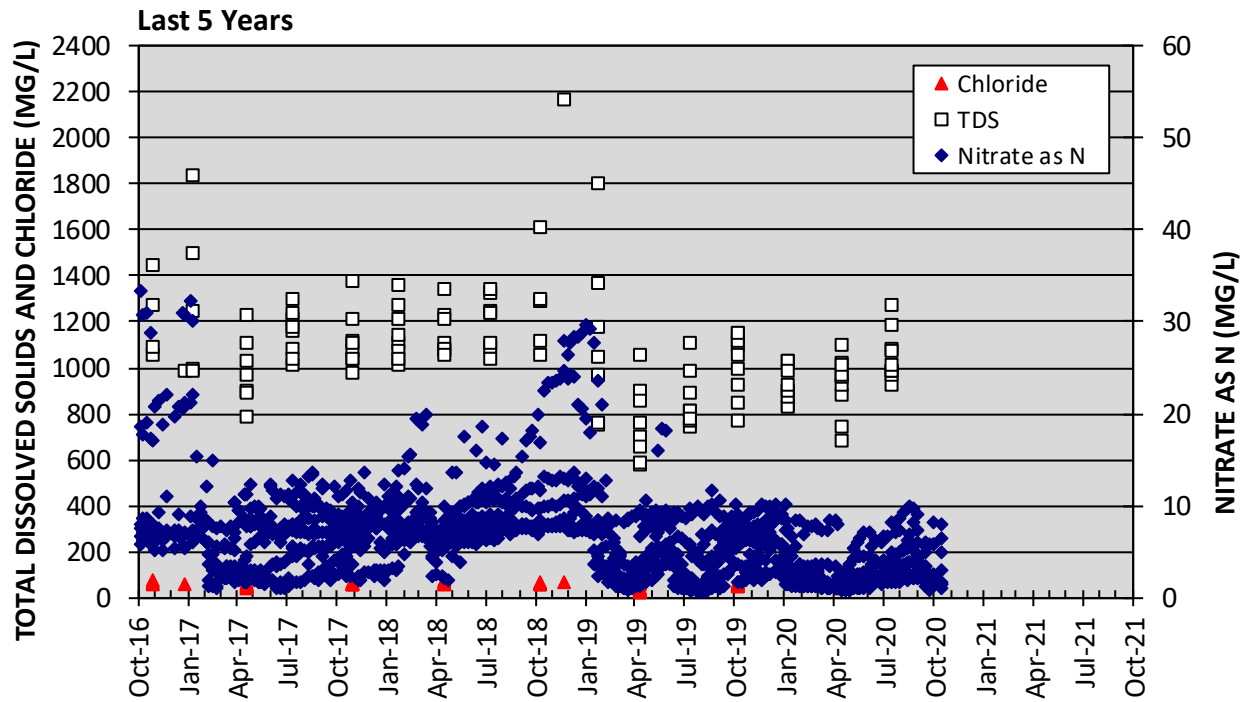
Santa Clara River water quality near Fillmore Fish Hatchery

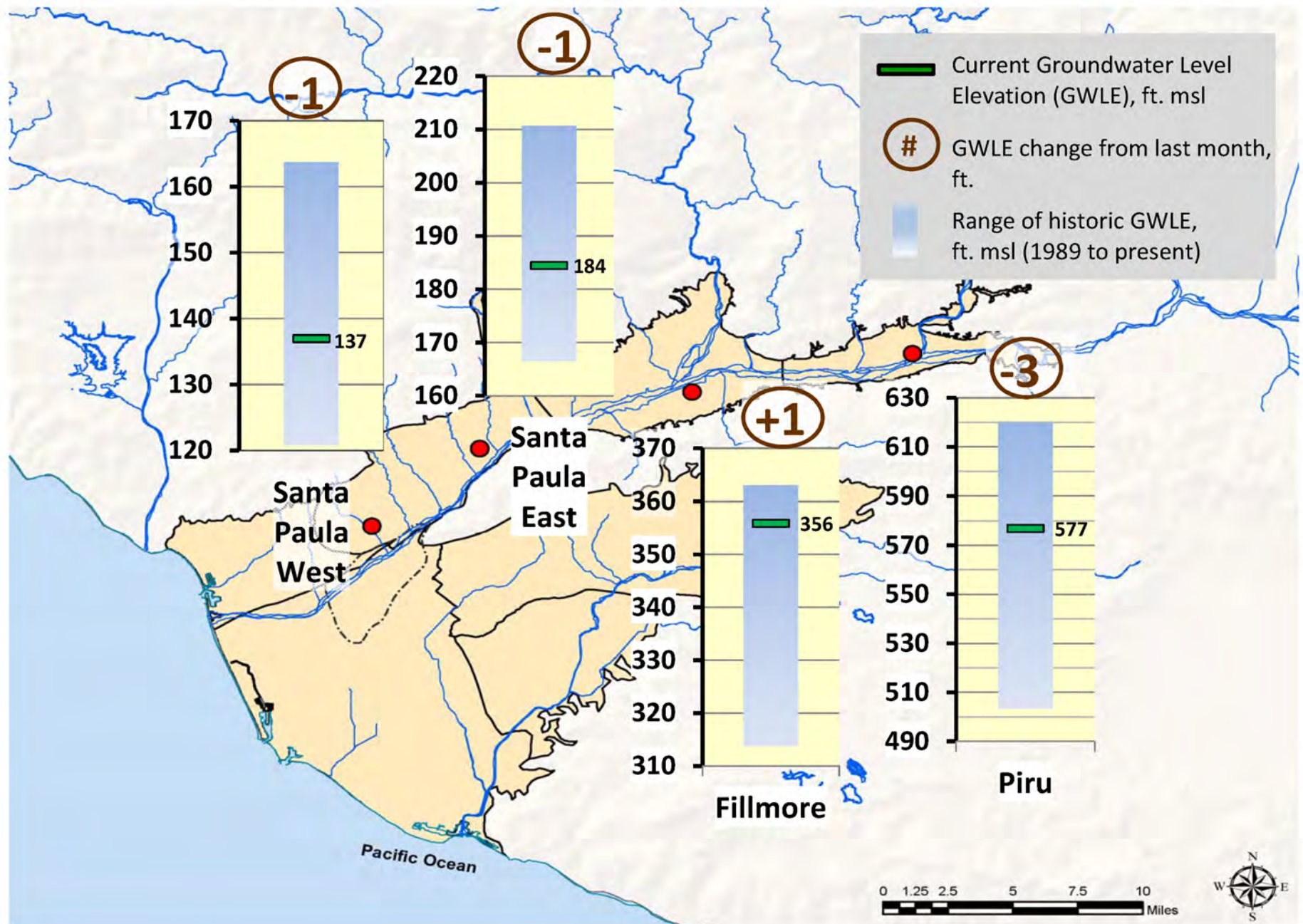


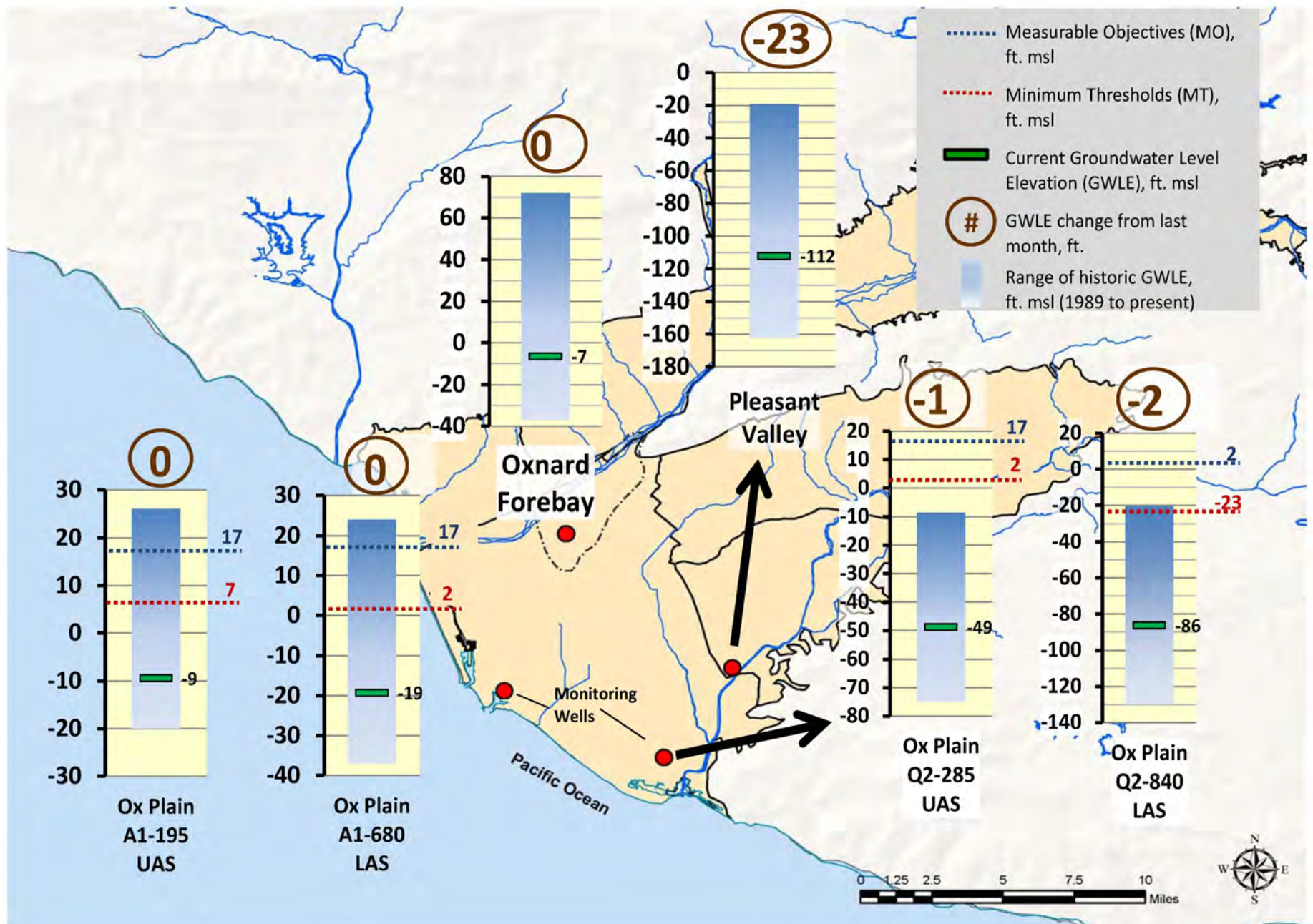
Santa Clara River water quality at Freeman Diversion



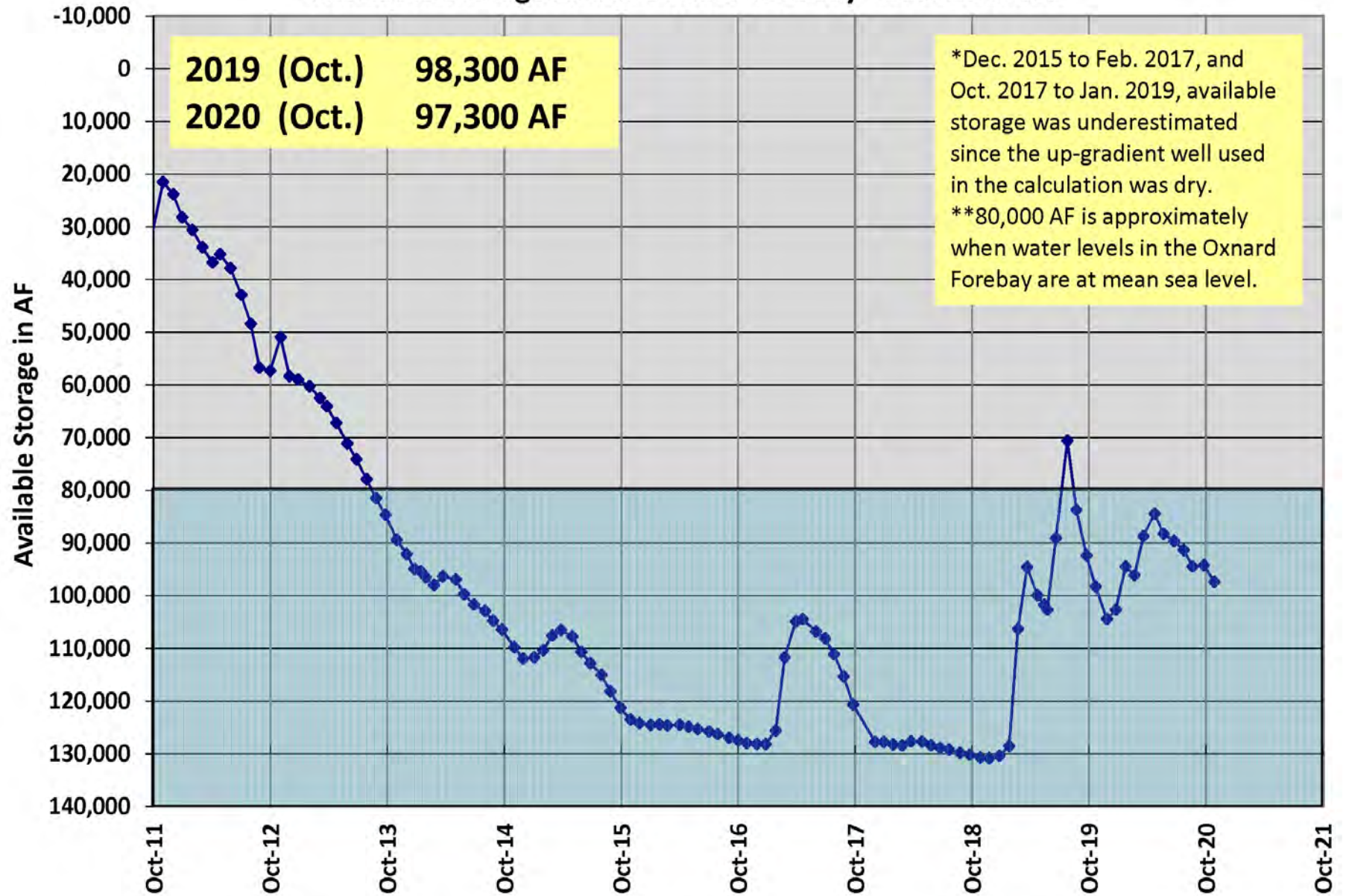
Water quality of Upper Aquifer System wells, El Rio well field

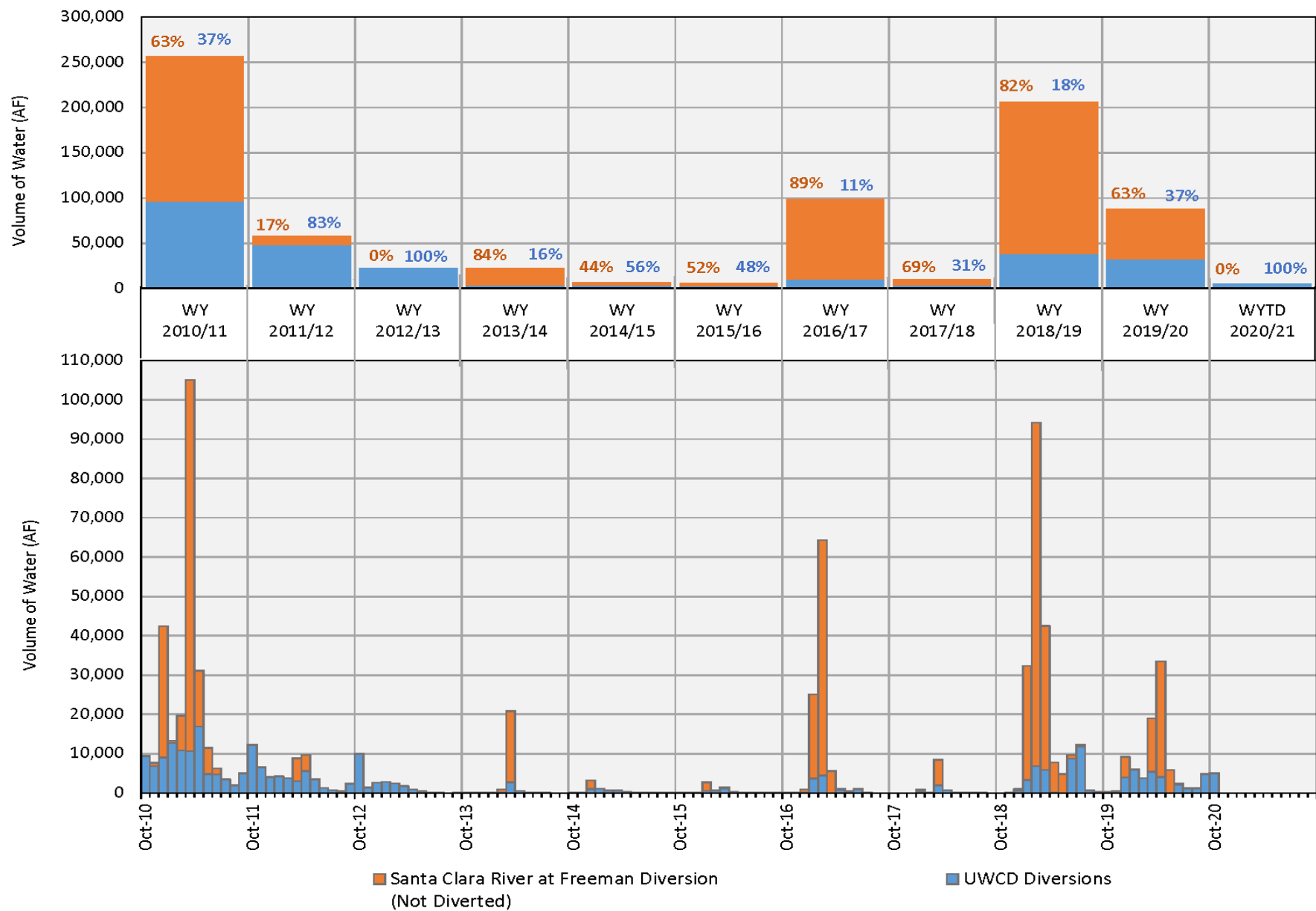






Available Storage in the Oxnard Forebay - Last 10 Years





Water Year (WY) = October 1 to September 30; WYTD = Water Year To Date



Staff Report

To: UWCD Board of Directors

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

From: Joseph Jereb, Chief Financial Officer

Date: November 1, 2020 (November 10, 2020 Meeting)

Agenda Item: **3.C FY 2020-21 First Quarter Financial Report**
Information Item

Staff Recommendation:

Review the FY 2020-21 First Quarter Financial Report for the period of July 1, 2020 through September 30, 2020.

Discussion:

The District normally prepares quarterly financial reports which provide an analysis of District operations at the end of each quarter to highlight variances and for fiscal accountability.

This report represents the first three months of financial information for District operations for FY 2020-21 (or 25 percent of the total fiscal year). Included in this report are budget to actual comparisons to date for District revenues, expenditures and water deliveries, and discussion of any significant variances. This report is based on unaudited financial data and therefore is subject to revisions as staff makes any necessary adjustments that may occur during the year.

While some funds appear to have some savings potential, adjustment recommendations may not be made at this time because the potential savings may be as a result of delays in timing and therefore may not materialize.

Attachments: A – FY 2020-21 First Quarter Report, Capital Improvement Projects
B – FY 2020-21 First Quarter Financial Reports

November 3, 2020

Board of Directors
United Water Conservation District

Subject: Fiscal Year 2020-21 First Quarter Financial Report

Dear Board Members:

Enclosed for your review is the District's FY 2020-21 First Quarter (July 1, 2020 through September 30, 2020) Financial Report. This report represents three months of financial information for District operations (25% of the total fiscal year). The report includes budget to actual comparisons for District revenues, expenditures, water deliveries, and a discussion of any significant variances. The financial data is unaudited and therefore subject to revisions.

This report focuses primarily on the operating funds of the District and corresponding Capital Improvement Project (CIP) funds:

- General/Water Conservation Fund
 - Recreation & Ranger Activities Sub-fund
- Freeman Fund
- Oxnard/Hueneme Pipeline (OHP) Fund
- Pleasant Valley Pipeline (PVP) Fund
- Pumping Trough Pipeline (PTP) Fund
- State Water Import Fund
- Overhead Fund

Staff provides the Board's Finance & Audit Committee with monthly cash position and pipeline delivery activities reports throughout the fiscal year. Quarterly financial reports are submitted to the Board to provide information on the financial status of the District and to assure the Directors and our rate payers that staff is operating within the parameters of the annual adopted budget, including any supplemental appropriations. At the end of each fiscal year, an outside certified public accounting firm performs an independent financial audit to test staff's financial reporting accuracy and internal controls. It is staff's responsibility to ensure that the Board has received adequate financial information throughout the year so that there are no surprises, and so that fiscally prudent decisions can be made when the Board is asked to consider approval of budgeted and unbudgeted expenditure requests.

This report compares the revenues and budget appropriations projected for the entire fiscal year with actual data to provide the Board and our rate payers with a preliminary financial view (subject to audit adjustments). The following discussion will provide a summary of the District's projected revenues and approved spending plan compared to what actually occurred throughout the year. It also provides an update on approved and funded capital improvement projects.

Operating Funds

Narrative and graphical analyses are provided by fund (and the Recreation sub-fund) on pages 1 through 11.

CAPITAL IMPROVEMENT PROGRAM STATUS

A one-page summary of the District's current Five-Year Capital Improvement Program appears on page 12 along with Benchmark Interest Rates on page 13. As of September 30, 2020, all capital improvement projects (CIP) expenditures are within the total amount appropriated by the Board.

Most of the CIPs that have been funded are currently underway, in the planning, design or construction stages. An exception is the Santa Felicia Dam Sediment Management project which is on hold due to a backlog of other projects.

- *Well Replacement Program (CIP Project # 8000)* – This is an ongoing CIP to eventually replace all of the original groundwater wells serving the Oxnard-Hueneme Pipeline System. The project is funded by the Oxnard-Hueneme Pipeline Well Replacement Fund. The next well replacement project is scheduled for the 2020-21 Fiscal Year.
- *Ferro Rose Project (CIP Project # 8018)* – The District intends to use the soil from the floor of Ferro Basin to construct the partition levees. The geological investigations conducted by Oakridge Geoscience in January 2019 determined that the fill materials occupy approximately 24-42 inches of the topsoil layer in the Ferro Basin and the fill materials are expected to be suitable for levee construction/ maintenance. Wellhead Energy (WE) continues to pursue the Clean Power Alliance (CPA) or the Southern California Edison's approval of the project.

If selected, WE is planning to complete the installation of the solar field and start operating the system by the end of 2022. The partition levee portion of the project is funded by the Water Conservation Activities sub fund (Zone A).

Staff was able to divert water into the Rose Basin during the winter storms. Unfortunately, there was an issue with one of the conveyance pipes, so water was only diverted for a short time. Staff completed a repair of the conveyance pipe and fortified the area in and around the pipes.

- *Freeman Diversion Rehabilitation (CIP Project # 8001)* – A hydraulic basis of design report on the vertical slot fish passage facility was produced and submitted to NMFS in August. NMFS provided comments on the hydraulic basis of design report and Stantec is working to address those comments. NHC delivered hydraulic basis of design reports for the hardened ramp and notch to NMFS. NMFS provided comments on both reports and NHC continues to perform work on the hardened ramp. Staff, Stantec and NHC

participated in weekly calls with NMFS to discuss each of the proposed fish passage alternatives. This project is funded from the Freeman Diversion Fund (Zone B).

- *Santa Felicia Dam Outlet Works Rehabilitation (CIP Project # 8002)* – The Board of Directors approved a professional services agreement with GEI Consultants (GEI) in the amount of \$486,682.00 for the 10% design work on April 10, 2019. Staff issued a Notice to Proceed to GEI on April 15, 2019. GEI conducted field investigations on May 7, 2019. Staff and GEI presented the hydropower plan assessment and options for future improvement to the Planning Committee meeting in July 18, 2019. As part of the 10% design work, GEI is preparing six (6) Technical Memorandums (TMs) for staff review and comments. As of September 30, 2019, the project is 57% complete and within the approved budget. \$210,398 of the approved budget remains.
- *Santa Felicia Dam Probable Maximum Flood Containment (CIP Project # 8003)* – The Board of Directors approved a professional services agreement with GEI Consultants (GEI) in the amount of \$553,605.00 for the 10% design work on April 10, 2019. Staff issued a Notice to Proceed to GEI on April 15, 2019. GEI conducted a drone survey of the spillway area on May 7, 2019. In addition, GEI performed a field spillway assessment and geologic reconnaissance on July 29 through August 1, 2019. As part of the 10% design work, GEI is preparing nine (9) Technical Memorandums (TMs) for staff review and comments. As of September 30, 2019, the project is 59% complete and within the approved budget. \$226,976 of the approved budget remains.

The Final EIR was adopted and the Dam Safety Improvement project was approved by the Board on February 13, 2019. A notice of determination (NOD) was filed with the State Clearinghouse on February 15, 2019. The Board of Directors approved a professional services agreement with Catalyst Environmental Solutions (Catalyst) in the amount of \$321,912.00 on April 10, 2019 for providing support with the federal processes associated with the preparation of the compliance documents required for implementation of the SFD outlet works and spillway projects that are collectively referred to as the Santa Felicia Dam Safety Improvement Project. This project is funded by the Water Conservation Activities sub fund (Zone A). Staff issued a notice to proceed to Catalyst on April 25 to proceed with the preparation of the National Environmental Policy Act (NEPA) documentation and processing. Staff also commissioned Rincon Consultants (Rincon) to continue providing as-needed project management and environmental services support for compliance with NEPA, including review of the documents, coordination with FERC and other applicable federal agencies, and support to secure the necessary permitting. Catalyst conducted a delineation survey of the area below the Santa Felicia Dam on September 13 in order to complete the 401-certification application. Staff continues meeting with Catalyst and Rincon on a biweekly basis to keep track of the schedule and progress of the NEPA documentation and processing project. As of September 27, Catalyst has completed the draft of the Environmental Assessment (EA) report. Staff and Catalyst will be meeting with FERC on October 28, 2019 to discuss the EA.

- *Santa Felicia Dam Sediment Management (CIP Project # 8005)* – A milestone for this project was the recently completed 10-year sediment survey of the Lake Piru Reservoir. The current useable capacity of the reservoir is approximately 81,942 acre-feet. The sediment management project may be included in the SFD Outlet Works Improvement project.
- *Lower River Invasive Species Control (CIP Project # 8006)* – In order to prepare for the potential infestation of Quagga mussels at the Freeman Diversion, the District is investigating potential modifications to protect the Lower River System recharge basins, canals and pipelines. In September 2016, the District's engineering consultant (AECOM) prepared a feasibility study that reviewed multiple chemical, biological and physical treatment options for the control of quagga mussels in Lower River System infrastructure. Many of the projects proposed and reviewed in the feasibility study require pilot testing to validate treatment efficacy. In November 2018, Staff started discussing one or more pilot studies and has been working with KASF Consulting, LLC to develop a pilot test plan. The goal of the proposed pilot study is twofold: (1) investigate the treatment efficacy of three chemical disinfectants (chlorine, copper sulfate and potassium permanganate) on quagga mussel veligers in water supplied by the Freeman Diversion and (2) determine the survivability of quagga mussel adults in 100% groundwater supplied by the PTP system. In September 2019, KASF Consulting completed the proposed pilot testing and submitted a final report. Staff is currently reviewing the report which recommends follow-up investigations of alternative chemical treatments.
- *Oxnard-Hueneme Pipeline Iron and Manganese Treatment (CIP Project # 8007)* – The Oxnard-Hueneme (O-H) pipeline is supplied from a wellfield within and near the El Rio Groundwater and Booster Pumping Plant facility. The wellfield includes twelve municipal water wells. Nine of the wells pump water from the upper aquifer system. Three of the wells (Well Nos. 12, 13, and 14) draw water from the Lower Aquifer System (LAS also referred to as Fox Canyon Aquifer). These deeper wells are primarily used as a backup source of water during peak demand periods, extended periods of drought, or emergencies. The overall water quality from the lower system wells is generally better but they include higher concentrations of dissolved iron and manganese. The current levels of these elements are not a health hazard but cause aesthetic water quality problems for the District's wholesale customers on the O-H Pipeline. Staff prepared an engineering feasibility report of the proposed project. The study was distributed to the O-H stakeholders. A professional services contract was awarded for the treatment plant design on July 11, 2018 to Kennedy/Jenks Consultants. The design is separated into two phases in order to optimize the existing infrastructure at the El Rio facility. The initial design phase is focusing on iron and manganese removal based on the current operating conditions. The second phase will integrate nitrate removal process for if and when groundwater conditions allow utilization of the upper aquifer system wells. Staff completed a two-month pilot study that evaluated the potential hazard and disposal options of iron and manganese treatment sludge and verified the efficiency of filtration process on waters from the three LAS wells. As of September

2019, 90% design is complete. In support of the on-going design work, the District's on-call consultants Stantec and Oakridge Geoscience completed surveying and geotechnical exploration services. The District made an initial determination that the project is categorically exempt under the California Environmental Quality Act (CEQA). The District's on-call consultant, Rincon Consultants, has substantiated this determination through an environmental impact analysis. The work will be incorporated into the final design plans, specifications and estimates which are expected to be ready for staff review at the end of 2019. On September 18, 2019, the District received the fully executed grant agreement in the amount of \$300,000 from the United States Department of the Interior Bureau of Reclamation. Staff has been actively pursuing an additional \$2.5 million grant application through the Proposition 1 Integrated Regional Water Management (IRWM) Implementation Grant Program. The final grant application will be submitted in December of 2019 with announcement of awards anticipated in spring of 2020.

- *Quagga Decontamination Station (CIP Project # 8008)* – Project has not yet begun. The District is seeking grant funding for the project. The grant funding may require special legislation to allow the use of funds set aside for monitoring activities to be used for construction of control facilities such as the decontamination station. In addition to the decontamination station, staff is considering constructing a boat and watercraft quarantine storage compound.
- *Lake Piru Asphalt Repairs (CIP Project # 8010)* – The annual maintenance budget for the Lake Piru Recreation includes a pavement maintenance program of the campground service roads, parking lots and campground roads. The Board of Directors awarded the 2019 Lake Piru Asphalt Repair Project to BC Rincon Construction in amount of \$174,368.29 (the lowest bid) on April 10, 2019. Staff issued a Notice to Proceed to the BC Rincon Construction on April 19, 2019. The construction work began on April 22, 2019. Staff revisited the proposed pavement method and recommended a pulverize-in-place method to repair the existing Olive Grove Campground roads pavement instead of the original proposed 2-inch AC overlay installation. Two (2) change orders with a total amount of \$19,568 were approved to cover the pulverize-in-place and the additional asphalt concrete quantity used for the pavement repair. The 2019 Lake Piru Pavement Maintenance Project included: construction of a new exit road and a new asphalt concrete pavement at the Quagga Mussel Decontamination Area, a new concrete curb and gutter at the Olive Grove Campground entrance, and approximately 53,000 square feet of new pavement for the campground adjacent roads. The construction works were completed on May 23, 2019 and the total contract amount was \$193,936.
- *Day Use Pavilion Rehab (CIP Project # 8011)* – Project is complete.
- *Juan Fernandez Day Use (CIP Project # 8013)* – The District retained Stantec to prepare a Recreation Management Plan (RMP) for the Lake Piru Recreation area. Construction of the Juan Fernandez Day Use facilities is required to comply with Article 412 of the FERC license for Santa Felicia Dam project. The FERC license compliance division has

requested that the RMP be revised and resubmitted with a license amendment. The recreation management plan assessed the public need to install these additional facilities and is recommending alternative improvements that are less costly and more appropriate. The license amendment application and the RMP were submitted to the FERC on September 20, 2018. In October 2018, United Board of Directors adopted the RMP. Staff is currently in the process of providing the details of the proposed alternatives to FERC.

- *Ferro-Rose Recharge (CIP Project # 8018)* – Wellhead Energy (WE) still plans on placing solar panels on the floors of the Ferro and Rose Basins. The solar project would accelerate the need to construct the partition levees per the Northwest Hydraulic Consultant’s feasibility analysis for the Ferro-Rose Recharge Project.
- *Brackish Water Treatment (CIP Project # 8019)* – The proposed project would require a significant change in the Fox Canyon Groundwater Management Agency policy with regards to various approaches to abate the seawater intrusion problem near the coast. Staff continues to coordinate with other stakeholders in preparation for modeling potential configurations of a proposed coastal brackish-water extraction and treatment system. The District submitted an application for the Proposition 1 Ground Water Grant Program. The full proposal for the Coastal Brackish Water Treatment Plant – Basin Impact and Benefits Analysis project was submitted to the State Water Resources Control Board on March 4, 2019. The District received a letter from the State Water Resources Control Board on October 18, 2019 regarding a preliminary grant award of up to \$103,600 equivalent to a 50% match. The total project cost is \$207,200.
- *Rice Ave Overpass PTP (CIP Project # 8021)* – The City of Oxnard, Caltrans, County of Ventura Department of Public Works, and the Ventura County Transportation Commission (CTC) have made a final decision on design and construction of the Rice Avenue Grade Separation project. The revised design (formerly identified as Alternative 3B- Realigned Rice Avenue Single Collector), includes a single pass along Rice Avenue. The new design will impact the east side of the PTP Well # 4 site and might limit the access to the PTP Well # 4 wellhead. The extent of the impact on the site will be identified by staff as detail of the new design becomes available later this year. The District was formally informed about the change of the alternate and project alignment via a letter from the City of Oxnard on September 4, 2019
- *PTP Turnout Metering System (CIP Project # 8022)* – This project proposes to replace 62 meter turnouts on the PTP pipeline. Grant funding that provides 50% matching funds for the meter replacements has been approved by the Department of Water Resources, and a Board resolution to accept the funds was approved by the Board in February 2017. Funding for a 50% portion of the project will be required by the PTP customers. Installation of the first phase of equipment by O&M personnel began in April 2018; 17 of the 62 units have been installed. District staff is planning on an additional 2 units installed by end of 2019 bringing the total to 19 installations. There are currently right-of-way issues that need to be resolved before proceeding with the remaining 43

meters. In April 2018, the District hired Jensen Design & Survey to assist with the acquisition of utility easements (providing surveying services only) at existing PTP system turnouts and work is currently underway. As of March 2019, the District has received two utility easement deeds signed by property owners which will be recommended for adoption by the Board of Directors and recorded by the County of Ventura. In an effort to make the process of easement acquisition more expeditious, District staff solicited for full easement acquisition service proposals from professional right-of-way consultants. District staff hired Hamner, Jewell and Associates with Stantec as a subconsultant to complete the easement acquisitions. To date, 25 meter locations have been surveyed in order to prepare utility easement deeds.

- *Pothole Trailhead (CIP Project # 8023)* – FERC issued an order approving the Recreation Trail Plan on January 6, 2017. Staff is coordinated with the US Forest Service (USFS) on their NEPA process for a companion project associated with realignment of the Pothole trail and trailhead. The final plan was submitted to stakeholders on November 1, 2017, who had 30 days to submit comments. The Mitigated Negative Declaration (MND) was released for public review in May 2018. After the public comment period had ended, the Board of Directors adopted the Notice of Determination (NOD) approving the MND on July 11, 2018. District staff met with Ventura County Planning on March 28, 2019, and the Planning Department determined that the project is exempt from a CUP modification. The project will, however, require a Building Permit from Ventura County Division of Building and Safety (Building and Safety), a Zoning Clearance from the Ventura County Planning Division (Planning), a Grading Permit from the Ventura County Public Works Department (Public Works) a Construction Permit from the Ventura County Fire Protection District and a Ministerial Tree Permit also from Planning. A purchase order for the vault restroom facility was issued on April 23, 2019. The site survey was performed on April 25, 2019 by ECG. United retained Phoenix Civil Engineering to develop the parking lot and entrance road engineering plans. The parking area site plans and the manufactured restroom drawings were submitted on August 02, 2019 to both Public Works and Building and Safety as a first step towards a Grading and Building Permits, respectively. A Ventura County Fire Department Construction Permit was received on July 31, 2019. A Zoning Clearance was received from Planning on August 26, 2019. All permits, including the Grading and Building permits are expected to be received by November 2019. On October 16, 2019 United submitted a project proposal for Proposition 68 – Recreational Trails and Greenways grant funding. The proposed package would include realigning the first 1.8 miles of the Pothole Trail as well as an enhanced Parking Area project. If the grant is awarded, the total project cost would be \$929,000 of which the district would be required to match twenty percent. Projects selected to advance to the next step of the grant application process will be notified in mid to late February 2020. The grant will be awarded in mid to late June 2020. If the grant is not awarded, the District will only construct the Pothole Trailhead Parking Area. Pending a request for extension from FERC, the parking area construction will begin in September 2020, after the conclusion of nesting season.

- *New Headquarters (CIP Project # 8024)* – Newton Construction was awarded the contract for the tenant improvements in the middle of August. Construction started in late August and the construction crew pushes to have the first floor substantially complete by November 22, 2019. Changes can be seen daily, and the goal is to have construction complete in early 2020.
- *State Water Interconnection Project (CIP Project # 8025)* – United Water is partnering with the City of Ventura, Calleguas MWD and Casitas MWD to bring State Water Project water to western Ventura County. Certification and adaptation of the final EIR for the State Water Project Interconnection project that was completed at the Ventura City Council meeting on August 5. On August 8, the City of Ventura received a letter from Ventura Local Agency Formation Commission (LAFCO) stating that LAFCO approval of the project is not required pursuant to Government Code section 56133. Ventura LAFCO legal counsel reviewed the relevant statutes and applicable case law and determined that the delivery of SWP water to the City of Ventura by the Calleguas/Metropolitan Water District is not considered a new service and the conveyance of water through the proposed new pipeline from Calleguas to the City of Ventura for the purpose of compensating for reduced supplies during severe drought conditions is not considered outside of the Calleguas service area. The City was served with a petition by California Water Impact Network (CWIN) on September 10, 2019. The petitioner has challenged the failure of the City to comply with the CEQA when it certified the final EIR and rendered final approval of the project. The Real Parties of Interest named by the petitioner, include United, Casitas and Calleguas and Metropolitan Water District of Southern California. United along with other three agencies have requested to be dismissed from the petition. The City is planning to present this request to the petitioner and takes the lead to respond to the petitioner. The City has been seeking Statements of Qualifications (SOQs) from consulting companies for the design of steel transmission pipelines and or blending facilities for the project. The City has received six SOQs from Kennedy Jenks, Statec, Carollo Engineers, AECOM, Cannon, and Jensen Design. The SOQs are currently being reviewed by the City, Casitas, United and Ventura Water.
- *Alternative Supply Assurance Supply Pipeline (CIP Project # 8030)* – Staff completed the review of the Alternative Supply Assurance Pipeline Project (ASAPP) report: ASAPP Feasibility Study: Conceptual Design, Yields and Benefits to Groundwater in May. Staff met with Civiltech Engineering (Civiltec) on July 19 to discuss the project planning and initial evaluation of potential environmental impacts as a result of project implementation. Civiltec has been working on alternative alignments. The ASAPP Feasibility Study, Conceptual Design, Yields and Benefits to Groundwater was posted on the District's website in September and is available to the Public.
- *Grand Canal Hydraulic Constraint Removal (CIP Project # 8032)* – NHC delivered a technical memorandum on alternatives for increasing the capacity of the Grand Canal headworks. Staff has selected an alternative to take forward and NHC is working on the hydraulic and engineering design for that alternative. Construction is likely to begin in the spring of 2020.

CASH POSITION AND INVESTMENTS OF THE DISTRICT

As of September 30, 2020, the District had a total of \$ 29.3M in cash and investments. As noted on the cash position report, some of the District's resources are readily available for use while other funds have restrictions that limit how they can be used. The District must adhere to any legal, bond or contractual restrictions placed on funds. However, some restrictions are based on Board designations and can be redirected for other uses if the Board so determines.

The District's cash, cash equivalents and securities held in the various accounts as compared to the prior year are as follows:

	Sep 30, 2020	Sep 30, 2019
Local Agency Investment Fund (LAIF)	\$ 26,209,535	\$ 23,676,029
Union Bank – 2009 COP Reserve Account	\$ 654,525	\$ 831,632
Union Bank – 2001, 2005 Account Balances	\$ 156	\$ 65
Bank of the Sierra Checking Account	\$ 2,415,022	\$ 1,680,793
County Treasury	\$ 1,444	\$ 392
Petty Cash	\$ 400	\$ 400
Total	\$ 29,281,083	\$ 26,189,311

Approximately \$655K is held by Union Bank as trustee which is held in reserve for future debt payments. Any restrictions on the remaining \$ 28.6M are listed in this report.

If you have any questions regarding this report on the financial position, please let me know.

Respectfully submitted,



Joseph Jereb, Chief Financial Officer

FY 2020-21 First Quarter Financial Review

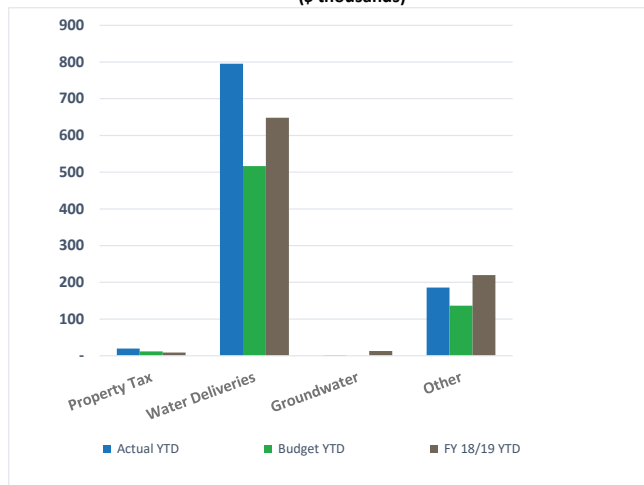
July 1, 2020 through September 30, 2020

25% of Fiscal Year Completed

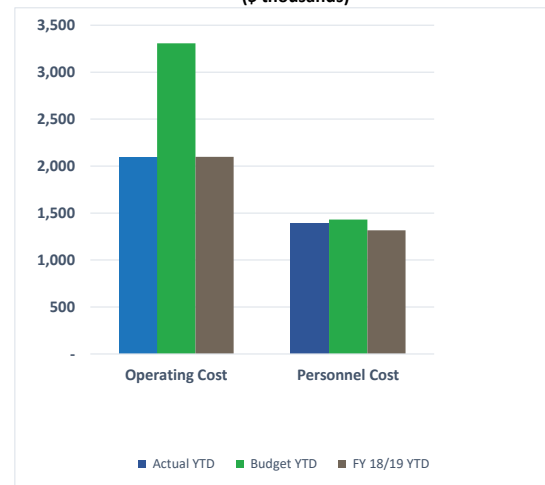
General/Water Conservation Fund

in \$ thousands	CY Actuals	CY Revised Budget	Variance	% Variance	PY Actuals	Variance	% Variance
Revenues							
Water Delivery	796	517	279	54%	648	147	23%
Groundwater	2	0	2	-	13	(11)	-86%
Supplemental Water	0	0	0	0%	1,840	(1,840)	0%
Property Taxes	20	12	8	64%	9	11	126%
Earnings on Investments	(29)	26	(56)	-212%	74	(103)	-140%
Other	186	136	49	36%	220	(34)	-16%
Transfers in		0	0	0%	0	0	#DIV/0!
Total Revenues	973	691	282	41%	2,804	(1,831)	-65%
Expenses							
Personnel Costs	1,393	1,430	(37)	-3%	1,317	76	6%
Operating Expenditures	2,093	3,307	(1,214)	-37%	2,099	(6)	0%
Capital Outlay	39	151	(111)	-74%	17	22	129%
Debt Service	0	0	0	0%	0	0	0%
Transfers out	499	499	0	0%	3,001	(2,502)	-83%
Total Expenses	4,024	5,387	(1,363)	-25%	6,434	(2,410)	-37%
Net Surplus / (Shortfall)	(3,051)	(4,696)	1,645	-35%	(3,631)	580	-16%

Revenues
(\$ thousands)



Expenses
(\$ thousands)



Revenue Status vs. Budget

- Revenue received through first quarter \$285K (41%) above Plan.
- In-lieu charges from pipeline deliveries \$278K above Plan; 2,858 AF more delivered than Plan for three pipelines combined including 1,342 AF more for PV
- Property taxes 64% above plan due to higher tax revenue received from Ventura County.
- Earnings on investments were \$58K under plan due to a GAAP market value adjustment to LAIF of \$63K.
- Other Revenue sources 36% above Plan. Variance primarily due to conservative budgeting of Hydroplant revenue \$9K and Easement revenue \$30K from So Cal Gas.

Revenue Status vs. Prior Year

- Q1 Revenue \$1.8M (65%) under PY primarily due Supplemental Water Revenue \$1.84M received for Fox Canyon GMA in July 2019.
- Pipeline delivery is \$148K higher than PY; 1,577 AF more delivered in FY 20-21 than in FY 19-20.
- Earnings on investment \$103k lower than PY due to GAAP market value adjustment and lower market rates in the current year.
- Property taxes \$11K higher due to conservative budgeting on county tax revenue.
- Other Revenue sources \$35K lower due to lower Hydroplant revenue than PY.

FY 2020-21 First Quarter Financial Review

July 1, 2020 through September, 2020

25% of Fiscal Year Completed

General/Water Conservation Fund - Continued

Appropriation/Expenditure Status vs. Budget

- Total Expenditures \$1.4M (25%) under Plan primarily due to underspend in Professional Fees \$780K because of Admin and Finance consulting budget under-utilized, timing difference of PMC invoices, and FERC – Fish Passage expenditures significantly less than estimated.
- Maintenance and Supplies underruns \$200K in O&M and Recreation contributed to the variance due to Lake Piru closed for half of the quarter and O&M operating with fewer staff and staff spending less time on the field to do maintenance due to Covid.
- Overhead costs \$210K under budget partially due to timing issues and partially due to lake closure.
- Personnel costs \$37K lower due to Medical Insurance Expenses lower than budgeted.
- Capital Outlay \$111K underrun due to pending purchase of O&M Trucks 15 and 53 \$87K and pending purchase of Recreation's UTV \$30K.
- Offsetting under-budget was interest expenses of \$103K. This was a timing issue as interest on 2009 bond fund is paid in September and March and budget was averaged over 12 months

Appropriation/Expenditure Status vs. Prior Year

- Expenditures \$2.4M (37%) lower than PY. Primarily due to CIP Projects Transfers for the new HQ and SFD projects, partially offset by lower personnel costs and capital expenditures in PY.
- Professional fees \$231K over PY due primarily to delayed legal billing in FY19-20.
- Principal payments were down \$247K due to 2009 bond payments payment schedule which reduced premium payment in FY 2020-21 by \$265K.
- Insurance premiums and overhead costs exceeded PY by \$62K and \$65K respectively.

Fund Balance

The Projected ending undesignated working capital balance at the end of FY 20-21 is \$5.5M which is \$1M higher than projected.

The District's reserve policy requires a \$4 - \$5 million minimum undesignated balance.

FY 2020-21 First Quarter Financial Review

July 1, 2020 through Sept 30, 2020

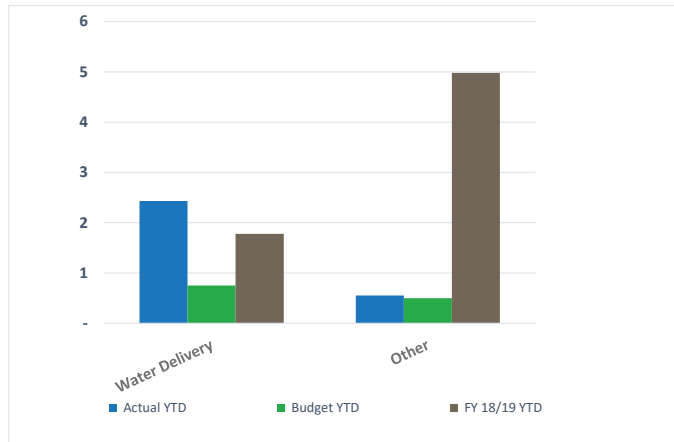
25% of Fiscal Year Completed

Recreation Sub-Fund

in \$ thousands	CY Actuals	CY Revised Budget	Variance	% Variance	PY Actuals	Variance	% Variance
Revenues							
Water Delivery	2	1	2	224%	2	1	37%
Earnings on Investments	0	0	0	0%	0	0	0%
Other	1	0	0	11%	5	(4)	-89%
Total Revenues	3	1	2	139%	7	(4)	-56%
Expenses							
Personnel Costs	136	136	(0)	0%	118	18	15%
Operating Expenditures	75	220	(144)	-66%	152	(77)	-51%
Capital Outlay	32	42	(10)	-24%	5	27	590%
Debt Service	0	0	0	0%	0	0	0%
Transfers out	405	405	0	0%	332	74	22%
Total Expenses	649	803	(154)	-19%	606	42	7%
Net Surplus / (Shortfall)	(646)	(802)	156	-19%	(600)	(46)	8%

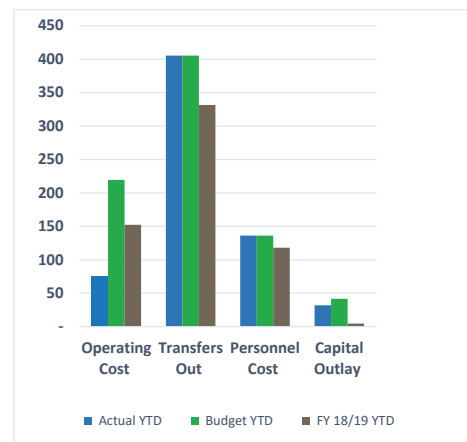
Revenues

(\$ thousands)



Expenses

(\$ thousands)



Revenue Status vs. Budget

- Revenue received through 1st quarter \$139% above Plan due to higher water delivery revenue.

Revenue Status vs. Prior Year

- Q1 Revenue \$4K (56%) under PY due to zero filming revenue because of Lake Piru closure.

Appropriation/Expenditure Status vs. Budget

- Total expenditures \$649K, under budget by \$154K (19%). Savings is primarily in Professional Services, Maintenance and supplies expenses, slightly offset by Capital Outlay.
- Professional Fees were \$81K under budget due to timing difference in PMC invoices.
- Maintenance and Supplies budget \$40K under-utilized due to covid impact and fewer staff in O&M.

Appropriation/Expenditure Status vs. Prior Year

- Expenditures \$42K (7%) higher than PY
- Operating Costs higher in prior year due to 2009 Bond Q1 principal expense \$85K. 2009 Bond in O20 has been fully paid and will only have payments out of Fund 050 beginning this FY. This decrease is slightly offset by increase in Transfers Out \$74K and purchase of Rec truck this FY \$30K.



FY 2020-21 First Quarter Financial Review

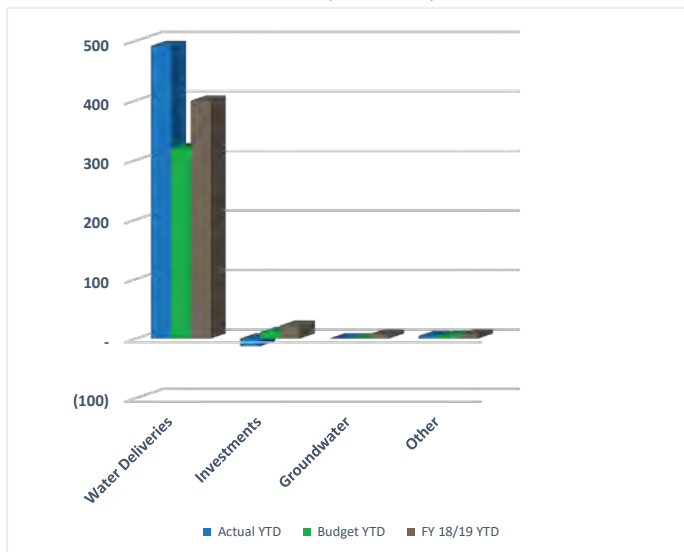
July 1, 2020 through September 30, 2020

25% of Fiscal Year Completed

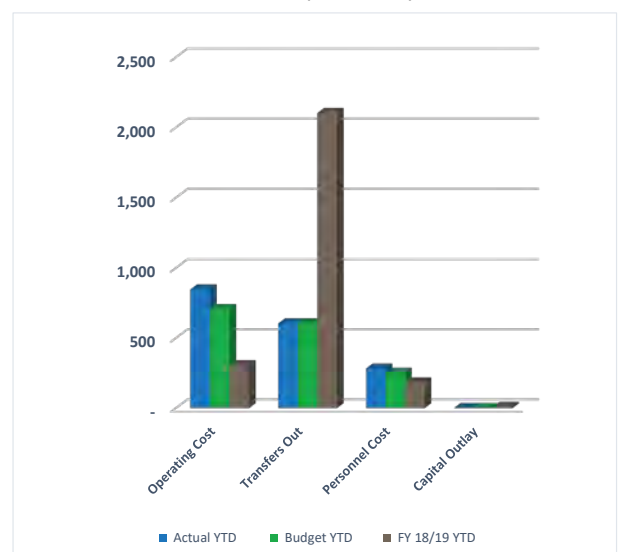
Freeman Diversion Fund (Zone B)

in \$ thousands	CY Actuals	CY Revised Budget	Variance	% Variance	PY Actuals	Variance	% Variance
Revenues							
Groundwater	(0)	0	(0)	0%	7	(7)	-102%
Water Delivery	491	319	172	54%	399	92	23%
Earnings on Investments	(13)	11	(24)	-217%	22	(34)	-159%
Other	4	5	(1)	-17%	7	(3)	-41%
Transfers in	0	0	0	0%	0	0	0%
Total Revenues	483	335	147	44%	435	48	11%
Expenses							
Personnel Costs	283	253	30	12%	183	100	55%
Operating Expenditures	847	705	142	20%	307	540	176%
Capital Outlay	0	0	0	0%	9	(9)	-100%
Transfers out	605	605	0	0%	2,103	(1,498)	-71%
Total Expenses	1,735	1,562	173	11%	2,602	(867)	-33%
Net Surplus / (Shortfall)	(1,252)	(1,226)	(26)	2%	(2,167)	915	-42%

Revenues
(\$ thousands)



Expenses
(\$ thousands)



Revenue Status vs. Budget

- Revenue received Q1 \$483K, up \$147K (44%)
- Primarily due to the higher in-lieu fees on pipeline deliveries, which were \$172K over plan
- Total pipeline deliveries were up 2,611AF (60%) compared to budgeted 4,344 AF
- Slightly offsetting this increase is lower earnings on investments \$24K due to a GAAP market value adjustment to LAIF \$21K

Revenue Status vs. Prior Year

- Current year higher by \$48K (11%)
- Increase primarily due an increase in pipeline deliveries (\$92K)
- Pipeline deliveries were up 1,579 AF (29%) compared to last year's first quarter
- Earnings on Investments \$34K lower than PY due to GAAP market value adjustment and lower market rates in the current year



FY 2020-21 First Quarter Financial Review

July 1, 2020 through September 30, 2020

25% of Fiscal Year Completed

Freeman Diversion Fund (Zone B) - continued

Appropriation/Expenditure Status vs. Budget

- Total expenditures \$1.7M, \$173K (11%) above Plan
- Primarily due to ongoing legal fees (\$265K) for Wishtoyo, City of Ventura and HCP
- Personnel Costs were also \$30K higher than expected due to additional staff and overtime related to the silt management work
- Offsetting this increase are underruns in operating expenditures primarily related to maintenance (\$27K) and overhead costs (\$53K)
- Delay in operating expenditures partially due to Covid-19 with O&M staff spending less time on the field doing maintenance, however expected to pick up later in the fiscal year
- Overhead costs under budget due to timing difference

Appropriation/Expenditure Status vs. Prior Year

- Total Expenditures are \$867K (33%) below PY
- Decrease largely due to a decrease in transfers out for CIP projects (\$1.5M)
- Lower transfers out partially due to an increase in grant and debt funding for CIP projects
- Offsetting decrease are higher operating expenditures (\$540K) in current fiscal year, which include rental fees (\$72K) for the Freeman sediment removal project and professional fees (\$437K) primarily for Whistoyo
- Personnel cost also had an increase of \$100K in current fiscal year, primarily due to an increase in work in O&M and EPCD departments

Fund Balance

- The beginning working capital was approximately \$808K. Assuming FY 2020-21 activity is consistent with the approved budget, the projected ending balance is a \$548K
- The District's reserve policy requires an undesignated balance of between \$800K and \$1M for this fund, which is not being met

FY 2020-21 First Quarter Financial Review

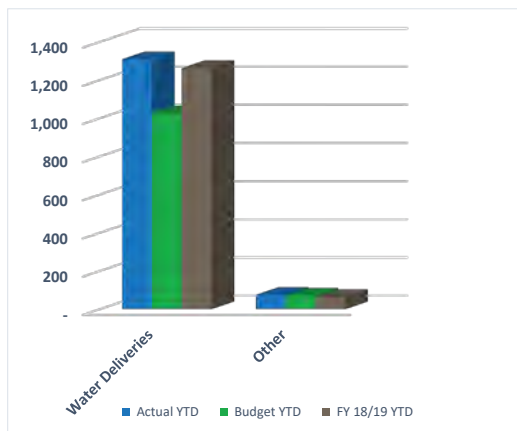
July 1, 2020 through Sept 30, 2020

25% of Fiscal Year Completed

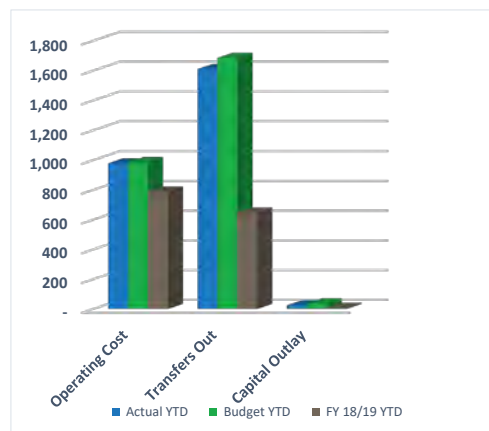
Oxnard Hueneme Pipeline Fund

in \$ thousands	CY Actuals	CY Revised Budget	Variance	% Variance	PY Actuals	Variance	% Variance
Revenues							
Water Delivery	1,309	1,026	283	28%	1,263	47	4%
Earnings on Investments	(13)	5	(18)	-356%	11	(24)	-213%
Grants	2	75	(73)	-97%	0	2	
Other	88	65	23	35%	52	36	70%
Total Revenues	1,387	1,172	215	18%	1,326	61	5%
Expenses							
Personnel Costs	271	249	22	9%	269	3	1%
Operating Expenditures	707	737	(30)	-4%	519	188	36%
Capital Outlay	24	37	(13)	-35%	7	17	251%
Transfers out	1,610	1,685	(75)	-4%	647	963	149%
Total Expenses	2,612	2,708	(96)	-4%	1,441	1,171	81%
Net Surplus / (Shortfall)	(1,225)	(1,536)	311	-20%	(115)	(1,110)	965%

Revenues
(\$ thousands)



Expenses
(\$ thousands)



Revenue

- Water Delivery Revenue \$283K (28%) higher than Budget. 1,288 AF more delivered than Plan (46%). Deliveries exceed prior year by \$47K (\$80 AF). The decrease in variable rates made the dollar revenue increase less than the actual deliveries. AG deliveries were also down substantially (22%).
- Grants under Plan by \$73K. Grant for Fe & Mn treatment; revenue will not be earned until construction begins later in FY.
- Other: Fox Canyon revenues up \$23K, offset by Investment Income down \$19K GAAP on market value adjustment to LAIF. Compared to last year, Fox Canyon revenues up \$37K and investment earnings down \$24K mainly due to GAAP entry.

Expenses

- Electricity \$176K over budget and \$171K over last year due to increased deliveries
- Maintenance - S&I under budget by \$43K and Equipment under by \$30K. These are primarily timing issues and staff expects actuals to catch up with budget as year progresses.
- Professional fees \$29K under budget due to timing issues and under-utilized EPA budget \$50K.
- Transfers out under budget by \$75K due to delayed Fe & Mn treatment project.
- Overhead costs under budget by \$42K

Fund Balance

The projected fund balance at the end of FY 20-21 is \$1.5M which is \$360K higher than projected. \$43K outstanding purchase orders were carried forward in FY 20-21 resulting a net balance that is \$317K higher than projected.

The District's reserve policy requires a \$1.1M undesignated balance for this fund, which is expected to be met. The fund balance over the requirement will be used to reduce the amount of external financing that will be needed to complete the large capital improvement projects in FY 20-21 including the Iron & Manganese treatment facility.

FY 2020-21 First Quarter Financial Review

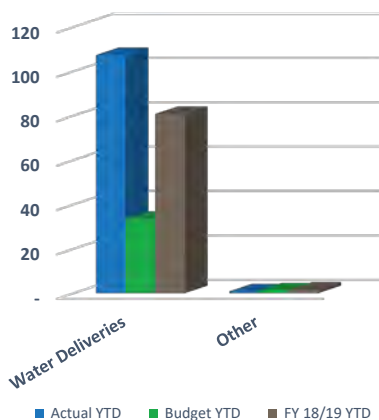
July 1, 2020 through September 30, 2020

25% of Fiscal Year Completed

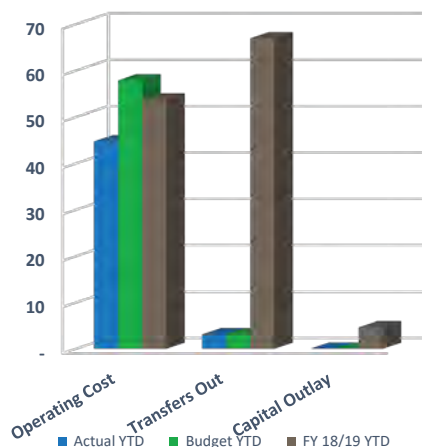
Pleasant Valley Pipeline Fund

in \$ thousands	CY Actuals	CY Revised Budget	Variance	% Variance	PY Actuals	Variance	% Variance
Revenues							
Water Delivery	107	33	74	221%	81	27	33%
Earnings on Investments	(1)	1	(3)	-241%	3	(4)	-155%
Other	1	1	(0)	-35%	2	(1)	-49%
Total Revenues	107	36	71	199%	85	22	25%
Expenses							
Personnel Costs	23	17	6	36%	16	7	42%
Operating Expenditures	22	41	(19)	-46%	38	(16)	-42%
Capital Outlay	0	0	0	0%	5	(5)	-100%
Transfers out	3	3	0	0%	67	(64)	-95%
Total Expenses	48	61	(13)	-22%	125	(77)	-62%
Net Surplus / (Shortfall)	59	(25)	84	-332%	(40)	99	-246%

Revenues (\$ thousands)



Expenses (\$ thousands)



Revenue

- Water delivery was \$74K (1,342 AF) higher than Plan. Increase in water deliveries were primarily due to SFD water releases, which provided surface water to the pipeline. Water releases are expected to subside sometime in November 2020. Deliveries also exceed prior year by \$27K (877 AF). Staff anticipates water delivery revenue to continue to be above Budget in second quarter.

Expenses

- Operating Expenditures under Budget by \$19K this fiscal year and down \$16K from prior year. As a result of COVID-19 there has been a 15% reduction of O&M staff in field to work on maintenance projects. Transfers out last fiscal year are higher by \$64K due to new headquarters.

Fund Balance

- FY 2019-20 ending working capital was approximately \$344K. A shortfall of \$121K is planned for FY 2020-21, resulting in a projected fund balance (net of \$76K of depreciation) of \$298K at year-end.
- The District's reserve policy requires an undesignated balance of \$262K for this fund, which is projected to be met.

FY 2020-21 First Quarter Financial Review

July 1, 2020 through September 30, 2020

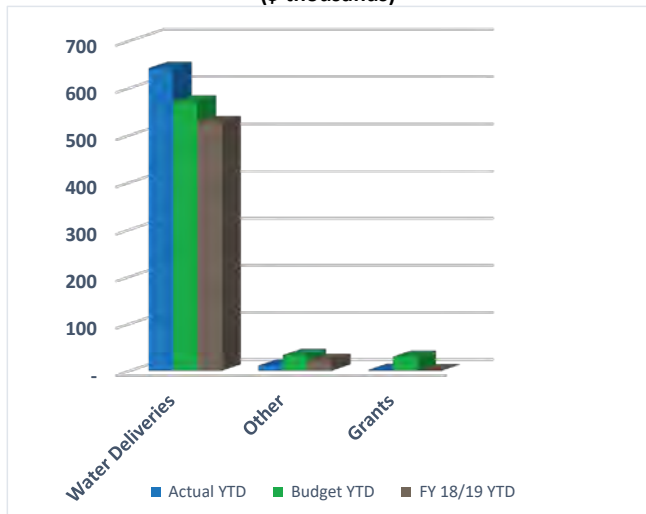
25% of Fiscal Year Completed

Pumping Trough Pipeline Fund

in \$ thousands	CY Actuals	CY Revised Budget	Variance	% Variance	PY Actuals	Variance	% Variance
Revenues							
Water Delivery	642	571	71	12%	527	114	22%
Earnings on Investments	(3)	3	(6)	-227%	6	(9)	-154%
Grants	1	29	(28)	-95%	0	1	
Other	14	30	(16)	-53%	16	(2)	-11%
Total Revenues	654	633	21	3%	549	104	19%
Expenses							
Personnel Costs	127	125	2	2%	113	14	13%
Operating Expenditures	254	387	(133)	-34%	242	11	5%
Capital Outlay	6	56	(51)	-90%	46	(41)	-88%
Transfers out	11	41	(29)	-72%	62	(51)	-82%
Total Expenses	398	609	(211)	-35%	464	(66)	-14%
Net Surplus / (Shortfall)	256	24	232	970%	86	170	199%

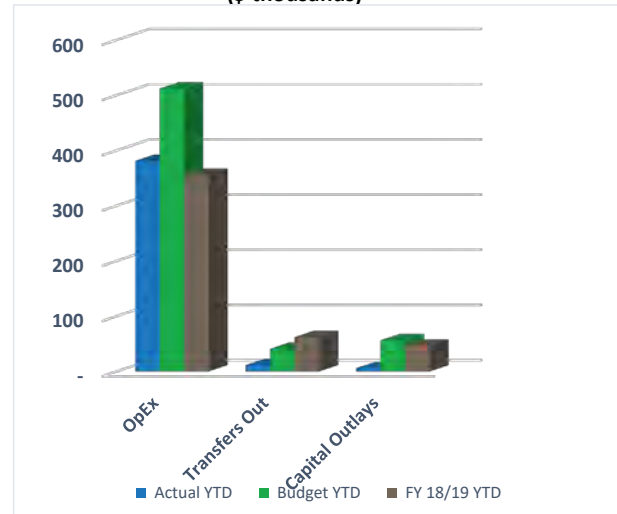
Revenues

(\$ thousands)



Expenses

(\$ thousands)



Revenue

- Revenue received through Q1 \$654K, up \$21K (3%)
- Revenue increase primarily due to higher than planned pipeline deliveries (228 AF), which resulted in \$71K additional revenue
- Offsetting decrease was a delay in grant revenue (\$28K) received for PTP metering project. Debt issuance for project has also been delayed
- Fox Canyon GMA charges were also \$16K lower than expected due to more surface water being delivered than pumped water

Revenue Status vs. Prior Year

- Current fiscal year revenues up \$104K (19%) compared to last fiscal year
- Primarily due an increase of 120 AF (8%) of water deliveries (\$114K) versus prior fiscal year
- Slightly offsetting increase was lower earnings on investments (\$9K) due to lower market rates in the current year.



FY 2020-21 First Quarter Financial Review

July 1, 2020 through September 30, 2020

25% of Fiscal Year Completed

Pumping Trough Pipeline Fund (Continued)

Expenses

- Total expenditures \$398K, \$211K (35%) below Plan
- Primarily due to lower operating expenditures (\$133K), capital outlay (\$51K) and transfers-out (\$29K)
- Maintenance \$55K under Plan this year due to delays caused by Covid-19, as well as less than projected maintenance on corroding PTP turnouts
- Electricity \$8K under budget due to considerable surface water deliveries (1,037 AF) in the first quarter, which resulted in less time running PTP wells
- Permits and licenses (\$5K), water treatment chemicals (\$6K) and rent and leases (\$4K) are also lower than budget, but expected to pick up later in the fiscal year
- Fox Canyon Fees \$3K under forecast as more surface water was delivered than pumped water
- General and administrative expense also \$32K lower than budget due to timing difference
- Lower than planned transfers out are due to a delay in grant revenue and debt issuance for PTP metering project

Expense Status vs. Prior Year

- Compared to last fiscal year, expenditures are lower by \$66K (14%)
- Primarily due to lower CIP transfers-out (\$51K) in current fiscal year, due to an increase in debt and grant funding for CIP projects. CIP projects with debt and grant funding in FY 20-21 include PTP metering, SCADA Hardware, Replace El Rio Trailer and Asset Management CMMS System project
- Capital outlay (\$41K) were also lower in current fiscal due to replacement VFD and new sand separator purchased prior year
- Offsetting the decrease are lower personnel costs (\$14K) and operating (\$11K) expenditures

Fund Balance

- The beginning working capital was approximately \$465K. Assuming FY 2020-21 activity is consistent with the approved budget, the projected ending balance is \$370K. The District's reserve policy requires an undesignated balance of between \$250K and \$300K for this fund, which is expected to be met



FY 2020-21 First Quarter Financial Review

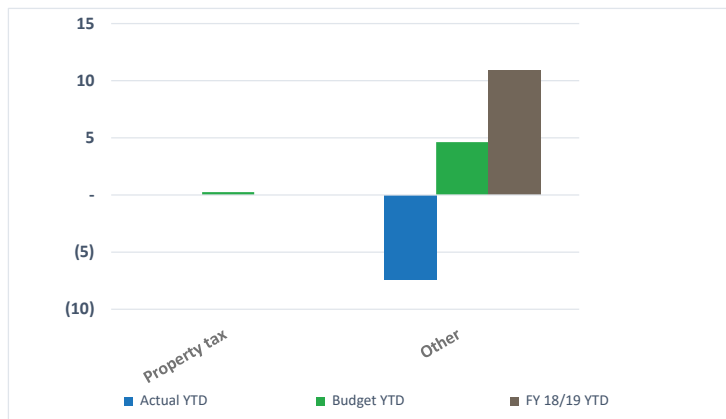
July 1, 2020 through Sept 30, 2020

25% of Fiscal Year Completed

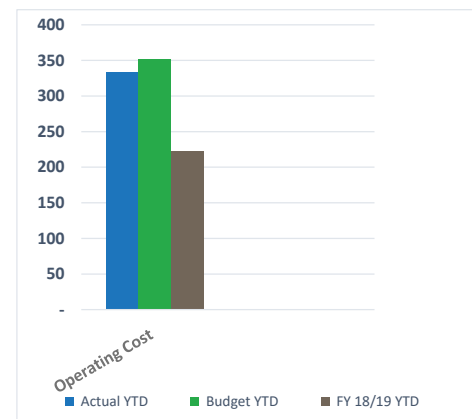
State Water Fund

in \$ thousands	CY Actuals	CY Revised Budget	Variance	% Variance	PY Actuals	Variance	% Variance
Revenues							
Water Delivery	0	0	0	0%	0	0	0%
Earnings on Investments	(7)	5	(12)	-260%	11	(18)	-168%
Other	0	0	(0)	-100%	0	0	#DIV/0!
Total Revenues	(7)	5	(12)	-251%	11	(18)	-168%
Expenses							
Personnel Costs	0	0	0	0%	0	0	0%
Operating Expenditures	333	352	(19)	-5%	223	110	50%
Capital Outlay	0	0	0	0%	0	0	0%
Debt Service	0	0	0	0%	0	0	0%
Transfers out	0	0	0	0%	0	0	0%
Total Expenses	333	352	(19)	-5%	223	110	50%
Net Surplus / (Shortfall)	(340)	(347)	6	-2%	(212)	(129)	61%

Revenues
(\$ thousands)



Expenses
(\$ thousands)



Revenue

- Revenue received through Q1 \$8K investment earnings less a GAAP market value adjustment to LAIF of \$15K.
- Current year investment earnings \$3K lower adjusting for GAAP entry. This is due to much lower percentage return on investment this year.

Expenditures

- Total expenditures \$19K (5%) lower than budgeted. This is primarily due to variable costs not being consistent throughout the year although the budget is distributed equally.
- Compared to last year, expenditures higher by \$110K (50%). This is due to higher fixed costs in the first quarter that were unbilled previous years.

Fund Balance

The projected fund balance at the end of FY 20-21 is approximately \$2.2M.

The District's reserve policy requires a \$1.7M balance for this fund, which will be exceeded. The entire fund balance is designated for the fixed and variable costs related to the District's State Water Project allocation of 5,000 AF per year, plus the allowable balance of Table A water that was not purchased in prior years (1,500 AF for FY 20-21).



FY 2020-21 First Quarter Financial Review

July 1, 2020 through Sept 30, 2020

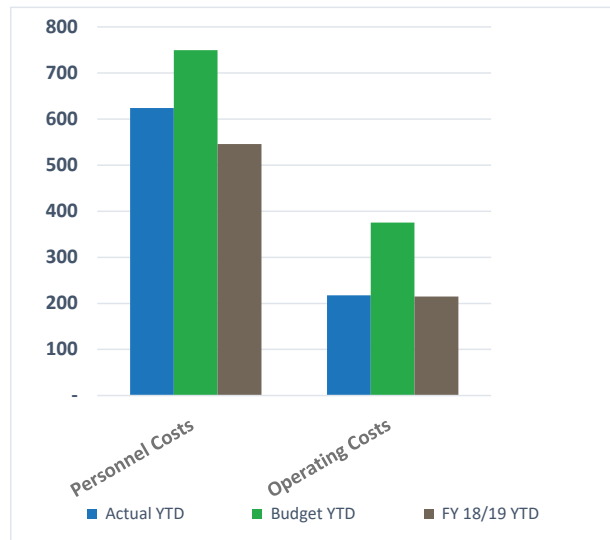
25% of Fiscal Year Completed

Overhead Fund

in \$ thousands	CY Actuals	CY Revised Budget	Variance	% Variance	PY Actuals	Variance	% Variance
Expenses							
Personnel Costs	624	750	(126)	-17%	546	78	14%
Operating Expenditures	218	375	(158)	-42%	215	3	1%
Capital Outlay	0	0	0	-	0	0	
Total Expenses	842	1,125	(284)	-25%	761	81	11%

Expenses

(\$ thousands)



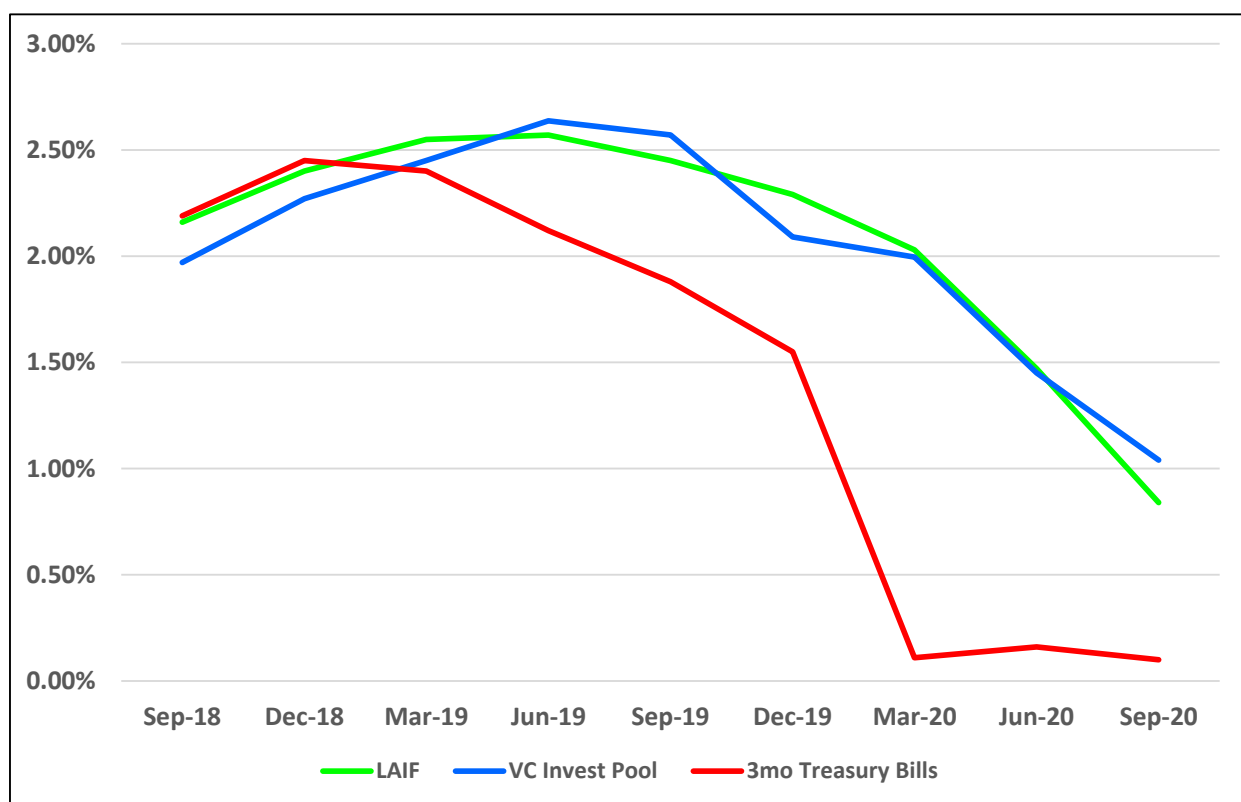
Expenses

- Expenditures significantly under budget by \$284K (25%).
- The largest savings were in Personnel due to the vacant Assistant General Manager position \$80K and OPEB \$30K, and Consulting services for Admin and Finance savings (\$146K). Costs for Admin consulting under-utilized and financial advisory services also under-utilized, as some of the FA costs will be included in debt issuance in the second quarter.
- Compared to last year, expenditures are higher by \$81K (11%). The variance is primarily due to Personnel costs up by \$81K because of additional staffing in Admin and Finance. Admin filled two Administrative positions and Finance filled Senior Accountant and Accountant I positions.

United Water Conservation District															
CURRENTLY APPROPRIATED CAPITAL IMPROVEMENT PROJECT PLAN															
FY 20-2120 Available Appropriations as of September 30, 2020															
							Total	Appropriations			Expended and Encumbered			% of Total	
			1st	1st	Expected		Est Project	Total Approp	Suppl	Total				Est Project	Remaining
Project Description	Fund	Proj	Budget	Activity	End	Class	Cost	Approved thru	Approp	Approp	Total as	Current	Total	costs spent	Appropriations
	#	#	Year	Date	Year		(000s)	FY 2019-20	FY 20-21	to Date	FY 2019-20	FY 20-21	to date	to date	FY 20-21
Well Replacement Program Well #18	452	8000	2015-16	08/06/15	2021	I	1,590	875,705	714,429	1,590,134	632,134	246	632,380	39.77%	957,754
Freeman Diversion Rehab	421	8001	2009-10	03/23/11	2024	II&IV	73,966	8,376,614	589,294	8,965,908	4,231,103	551,278	4,782,381	6.47%	4,183,527
SFD Outlet Works Rehab		8002	2007-08	04/20/11	2025+	I&II	53,390	3,743,353	1,297,194	5,040,547	2,669,751	1,811,447	4,481,198	8.39%	559,349
SFD PMF Containment		8003	2008-09	06/22/09	2025+	II	42,520	3,861,136	1,052,369	4,913,505	2,606,665	1,860,000	4,466,664	10.50%	446,841
SFD Sediment Management		8005	2013-14	05/28/14	2022	II	175	94,954	-	94,954	60,341	613	60,954	34.83%	34,000
Lower River Invasive Species Control	471	8006	2015-16	08/06/15	2023	IV	640	865,517	3,783	869,300	179,414	167	179,581	28.06%	689,719
OHP Iron and Manganese Treatment	451	8007	2015-16	08/06/15	2022	III	9,655	1,140,777	4,039,157	5,179,934	1,015,364	110,158	1,125,522	11.66%	4,054,412
Ferro-Rose Recharge		8018	2006-07	03/23/07	2023	III	31,849	1,896,577	12,752	1,909,329	1,155,924	154,281	1,310,206	4.11%	599,123
Brackish Water Treatment		8019	2015-16	07/08/15	2025+	III	154,667	60,180	339,576	399,756	58,315	17,109	75,425	0.05%	324,331
Rice Ave Overpass PTP	471	8021	2016-17	08/17/18	2021	II	83	73,497	9,823	83,320	25,350	23,990	49,340	59.45%	33,980
PTP Turnout Metering System	471	8022	2016-17	03/10/17	2022	I	1,755	1,166,254	442,339	1,608,593	791,703	182,809	974,513	55.53%	634,080
Pothole Trailhead		8023	2016-17	02/14/17	2021	I	503	312,011	190,828	502,839	199,834	62,814	262,648	52.22%	240,191
State Water Interconnection Project		8025	2016-17	06/15/17	2022	II	559	753,121	5,615	758,736	187,920	28,111	216,032	38.65%	542,704
El Rio Trailer		8028	2019-20		2022	II	390	35,000	75,000	110,000	-	-	-	0.00%	110,000
Alternative Supply Alliance Pipeline		8030	2018-19	06/08/18	2021	II	362	361,578	-	361,578	35,261	-	35,261	9.74%	326,317
Grand Canal Modifications		8032	2018-19	06/30/19	2021	II	810	525,916	20,149	546,065	115,821	141,773	257,594	31.80%	288,471
Floc Building Emergency Generator	421	8033	2019-20		2021	II	78	75,000	78,416	153,416		-	-	0.00%	153,416
Lak Piru Campground Electrical Update		8034	2019-20		2023	I	673	65,800	7,624	73,424		-	-	0.00%	73,424
OH System Emergency Generator	451	8036	2020-21		2021	II	909	0	908,775	908,775		-	-	0.00%	908,775
Piru WTP Emergency Generator		8037	2020-21		2021	II	102	0	101,527	101,527		-	-	0.00%	101,527
Santa Paula Tower Emergency Generator		8039	2019-20		2021	II	66	60,800	4,727	65,527		-	-	0.00%	65,527
Asset Management / CMMS System		8041	2019-20	04/10/20	2022		263	30,000	82,780	112,780	463	1,956	2,418	0.92%	110,362
Recycled Water GW Replenishment/Reu	421	8042	2020-21		2024	III	8,714	0	519,380	519,380		-	-	0.00%	519,380
Lake Piru e-Kiosk		8045	2020-21		2021	II	106	0	105,500	105,500		-	-	0.00%	105,500
SCADA Hardware Update		8046	2020-21		2021	II	1,003	0	660,260	660,260		16,190	16,190	1.61%	644,070
TOTAL AMOUNT PER YEAR							384,828	24,373,790	11,261,297	35,635,087	13,965,363	4,962,943	18,928,306	4.92%	16,706,781
Class I = Infrastructure Repair or Replacement															
Class II = Structural/Hydraulic Improvement (no yield)															
Class III = Water Resource Improvement															
Class IV = ESA Improvement															

Current Benchmark Yields

LAIF	September 30, 2020	0.84%
VC Invest Pool	September 30, 2020	1.04%
3mo Treasury Bills	September 30, 2020	0.10%





Staff Report

To: UWCD Board of Directors

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

From: Brian Collins, Operations & Maintenance Manager

Date: October 15, 2020 (November 9, 2020 Committee Meeting)

Agenda Item: **4.1 Resolution 2020-21 a Resolution of the Board of Directors of United Water Conservation District Directing the Ventura County Watershed Protection District to Execute the California State Water Project Supply Amendment for Water Management on behalf of United Water Conservation District**
Motion

Staff Recommendation:

The Board of Directors will consider approving Resolution 2020-21, directing the Ventura County Watershed Protection District to execute the California State Water Project Supply Amendment for Water Management on behalf of United Water Conservation District.

Background:

The State of California entered into long-term water supply contracts with water agencies in the 1960s. Under the contract terms, the Department of Water Resources (DWR) provides water service to these public agencies, known as State Water Contractors, from the State Water Project (SWP).

In 1963, the Ventura County Flood Control District (VCFCD) (now Ventura County Watershed Protection District) entered into an agreement with the State to purchase entitlement to 20,000 acre-feet of State Water. In June 1970, the VCFCD assigned its entitlement to Casitas Municipal Water District. In 1971, United Water Conservation District (UWCD) executed an agreement with Casitas and DWR to allocate 5,000 acre-feet per year of State Water entitlement to UWCD.

Recently in 2020, State Water Contractors successfully negotiated a proposed amendment to the State Water Contract commonly known as the State Water Project Water Supply Amendment for Water Management. As lead agency, the State of California Department of Water Resources (DWR) prepared an Environmental Impact Report and a Notice of Determination for the amendment. The Notice of Determination was filed by the DWR on August 27, 2020.

4.1 Resolution 2020-21 a Resolution of the Board of Directors of United Water Conservation District Directing the Ventura County Watershed Protection District to Execute the California State Water Project Supply Amendment for Water Management on behalf of United Water Conservation District.
Motion

Discussion:

The State Water Contractors desired modifications to the methods of water management within the State Water Project that would allow additional contractor flexibility. The complete language is included within attachment “B.” Term highlights are provided below:

- Transfer of Article 21 water supplies is allowed.
- Transfer of Article 56 (Carryover) water stored outside a Contractor’s service area is allowed without needing to be returned to the transferor’s service area first.
- Water stored in Groundwater Storage Programs going forward may be transferred/exchanged.
- Additional clarity on parameters of Article 56 transfers and exchanges including timing, amounts, and effects of spill.
- Turn back Pool language is deleted.
- Non-project water can be exchanged.
- Exchanging/ transferring contractors determine compensation.
- Contractors can be buyers and sellers in the same year.
- ‘No harm’ provisions along with dispute resolutions with the DWR Director’s decision final (if needed).
- Ability for a contractor to petition the State of California for an exception.
- The amendment will be implemented if at least 24 Contractors have executed the agreement or if the DWR decides to waive this requirement

Fiscal Impact

The District would not directly incur any additional costs as the result of adopting this resolution. In accordance with this amendment, future transfers and exchange compensation terms are set by the exchanging/transferring contractors; market conditions may potentially increase costs for future supplemental water acquisitions of Table ‘A’ allocation from other contractors, due to increased selling contractor flexibility.

Attachments:

Attachment A-	<u>Resolution 2020-21</u>
Attachment B-	SWP Amendment 14 Management Tools Ventura County

RESOLUTION 2020-21

ADOPTING DIRECTION TO THE VENTURA COUNTY WATERSHED PROTECTION
DISTRICT (VCWPD) TO EXECUTE THE CALIFORNIA STATE WATER PROJECT
CONTRACT AMENDMENTS FOR WATER SUPPLY MANAGEMENT
ON BEHALF OF THE
UNITED WATER CONSERVATION DISTRICT BOARD OF DIRECTORS

WHEREAS, United Water Conservation District, the Casitas Municipal Water District (Casitas), and Ventura Water share the water supplies and related costs connected to the California State Water Project Water Supply Contract with the California Department of Water Resources; and

WHEREAS, the Board of Directors has received information regarding the tenets and details of the California State Water Project Contract Amendments for Water Supply Management; and,

WHEREAS, the Ventura County Watershed Protection District is the currently named contract holder for the California State Water Project Water Supply Contract with the California Department of Water Resources;

NOW, THEREFORE, BE IT RESOLVED that the United Water Conservation District Board of Directors directs the Ventura County Watershed Protection District to execute the California State Water Project Contract Amendments for Water Supply Management on behalf of United Water Conservation District.

ADOPTED this 10th day of November, 2020.

Michael W. Mobley, President
United Water Conservation District

ATTEST:

Sheldon G. Berger, Secretary/Treasurer
United Water Conservation District

STATE WATER PROJECT WATER SUPPLY CONTRACT AMENDMENT
FOR WATER MANAGEMENT
Execution Version

STATE OF CALIFORNIA
CALIFORNIA NATURAL RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

AMENDMENT NO. 14 (THE WATER MANAGEMENT AMENDMENT)
TO WATER SUPPLY CONTRACT
BETWEEN
THE STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES
AND
VENTURA COUNTY WATERSHED PROTECTION DISTRICT

THIS AMENDMENT to the Water Supply Contract is made this _____ day of _____, 20____ pursuant to the provisions of the California Water Resources Development Bond Act, the Central Valley Project Act, and other applicable laws of the State of California, between the State of California, acting by and through its Department of Water Resources, herein referred to as the "State," and Ventura County Watershed Protection District, herein referred to as the "Agency."

STATE WATER PROJECT WATER SUPPLY CONTRACT AMENDMENT
FOR WATER MANAGEMENT
Execution Version

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STATE WATER PROJECT WATER SUPPLY CONTRACT AMENDMENT
FOR WATER MANAGEMENT
Execution Version

RECITALS

- A. The State and the Agency entered into and subsequently amended a water supply contract (the “contract”), dated December 02, 1963, providing that the State shall supply certain quantities of water to the Agency and providing that the Agency shall make certain payments to the State, and setting forth the terms and conditions of such supply and such payments; and
- B. The State and the Agency, in an effort to manage water supplies in a changing environment, explored non-structural solutions to provide greater flexibility in managing State Water Project (SWP) water supplies; and
- C. The State and the Agency, in an effort to support the achievement of the coequal goals for the Delta set forth in the Delta Reform Act, sought solutions to develop water supply management practices to enhance flexibility and reliability of SWP water supplies while the Agency is also demonstrating its commitment to expand its water supply portfolio by investing in local water supplies; and
- D. The State and the Agency, in response to the Governor’s Water Resiliency Portfolio, wish to maintain and diversify water supplies while protecting and enhancing natural systems without changing the way in which the SWP operates; and
- E. The State and the Agency sought to create a programmatic solution through transfers or exchanges of SWP water supplies that encourages regional approaches among water users sharing watersheds and strengthening partnerships with local water agencies, irrigation districts, and other stakeholders; and
- F. The State and the Agency, in an effort to comply with the Open and Transparent Water Data Platform Act (Assembly Bill 1755), sought means to create greater transparency in water transfers and exchanges; and
- G. The State, the Agency and representatives of certain other SWP Contractors have negotiated and agreed upon a document (dated May 20, 2019), the subject of which is “ Draft Agreement in Principle for the SWP Water Supply Contract Amendment for Water Management” (the “Agreement in Principle”); and
- H. The Agreement in Principle describes that the SWP Water Supply Contract Amendment for Water Management “supplements and clarifies terms of the SWP water supply contract that will provide greater water management regarding transfers and exchanges of SWP water within the SWP service area”; the principles agreed to would achieve this without relying upon increased SWP diversions or changing the way in which the SWP operates, and consistent with all applicable contract and regulatory requirements; and

STATE WATER PROJECT WATER SUPPLY CONTRACT AMENDMENT
FOR WATER MANAGEMENT
Execution Version

- I. The State, the Agency and those Contractors intending to be subject to the contract amendments contemplated by the Agreement in Principle subsequently prepared an amendment to their respective Contracts to implement the provisions of the Agreement in Principle, and such amendment was named the “SWP Water Supply Contract Amendment for Water Management”; and
- J. The State and the Agency desire to implement continued service through the contract and under the terms and conditions of this “SWP Water Supply Contract Amendment for Water Management”;

STATE WATER PROJECT WATER SUPPLY CONTRACT AMENDMENT
FOR WATER MANAGEMENT
Execution Version

NOW, THEREFORE, IT IS MUTUALLY AGREED that the following changes and additions are hereby made to the Agency's water supply contract with that State:

AMENDED CONTRACT TEXT

ARTICLE 1 IS AMENDED TO ADD THE FOLLOWING DEFINITIONS, PROVIDED THAT IF THIS WATER MANAGEMENT AMENDMENT TAKES EFFECT BEFORE THE CONTRACT EXTENSION AMENDMENT TAKES EFFECT, THE ADDITIONS HEREIN MADE SHALL CONTINUE IN EFFECT AFTER THE CONTRACT EXTENSION AMENDMENT TAKES EFFECT NOTWITHSTANDING THE CONTRACT EXTENSION AMENDMENT'S DELETION AND REPLACEMENT OF ARTICLE 1 IN ITS ENTIRETY:

1. Definitions

- (au) **"Article 56 Carryover Water"** shall mean water that a contractor elects to store under Article 56 in project surface conservation facilities for delivery in a subsequent year or years.

ARTICLES 21 and 56 ARE DELETED IN THEIR ENTIRETY AND REPLACED WITH THE FOLLOWING TEXT:

21. Interruptible Water Service

(a) Allocation of Interruptible Water

Each year from water sources available to the project, the State shall make available and allocate interruptible water to contractors in accordance with the procedure in Article 18(a). Allocations of interruptible water in any one year may not be carried over for delivery in a subsequent year, nor shall the delivery of interruptible water in any year impact the Agency's approved deliveries of Annual Table A Amount or the Agency's allocation of water for the next year. Deliveries of interruptible water in excess of the Agency's Annual Table A Amount may be made if the deliveries do not adversely affect the State's delivery of Annual Table A Amount to other contractors or adversely affect project operations. Any amounts of water owed to the Agency as of the date of this amendment pursuant to former Article 12(d), any contract provisions or letter agreements relating to wet weather water, and any Article 14(b) balances accumulated prior to 1995, are canceled. The State shall hereafter use its best efforts, in a manner that causes no adverse impacts upon other contractors or the project, to

STATE WATER PROJECT WATER SUPPLY CONTRACT AMENDMENT
FOR WATER MANAGEMENT
Execution Version

avoid adverse economic impacts due to the Agency's inability to take water during wet weather.

(b) Notice and Process for Obtaining Interruptible Water

The State shall periodically prepare and publish a notice to contractors describing the availability of interruptible water under this article. To obtain a supply of interruptible water, including a supply from a transfer of interruptible water, the Agency shall execute a further agreement with the State. The State will timely process such requests for scheduling the delivery of the interruptible water.

(c) Rates

For any interruptible water delivered pursuant to this article, the Agency shall pay the State the same (including adjustments) for power resources (including on-aqueduct, off-aqueduct, and any other power) incurred in the transportation of such water as if such interruptible water were Table A Amount water, as well as all incremental operation, maintenance, and replacement costs, and any other incremental costs, as determined by the State. The State shall not include any administrative or contract preparation charge. Incremental costs shall mean those nonpower costs which would not be incurred if interruptible water were not scheduled for or delivered to the Agency. Only those contractors not participating in the repayment of the capital costs of a reach shall be required to pay any use of facilities charge for the delivery of interruptible water through that reach.

(d) Transfers of Interruptible Water

- (1) Tulare Lake Basin Water Storage District, Empire West-Side Irrigation District, Oak Flat Water District, and County of Kings may transfer to other contractors a portion of interruptible water allocated to them under subdivision (a) when the State determines that interruptible water is available.
- (2) The State may approve the transfer of a portion of interruptible water allocated under subdivision (a) to contractors other than those listed in (d)(1) if the contractor acquiring the water can demonstrate a special need for the transfer of interruptible water.

STATE WATER PROJECT WATER SUPPLY CONTRACT AMENDMENT
FOR WATER MANAGEMENT
Execution Version

- (3) The contractors participating in the transfer shall determine the cost compensation for the transfers of interruptible water. The transfers of interruptible water shall be consistent with Articles 56(d) and 57.

56. Use, Storage of Project Water Outside of Service Area and Article 56 Carryover Water

(a) State Consent to Use of Project Water Outside of Service Area

Notwithstanding the provisions of Article 15(a), the State hereby consents to the Agency storing project water in a groundwater storage program, project surface conservation facilities and in nonproject surface storage facilities located outside its service area for later use by the Agency within its service area and to the Agency transferring or exchanging project water outside its service area as set forth herein.

(b) Groundwater Storage Programs

The Agency shall cooperate with other contractors in the development and establishment of groundwater storage programs. The Agency may elect to store project water in a groundwater storage program outside its service area for later use within its service area. There shall be no limit on the amount of project water the Agency can store outside its service area during any year in a then existing and operational groundwater storage program.

(1) Transfers of Annual Table A Amount stored in a groundwater storage program outside a contractor's service area.

In accordance with applicable water rights law and the terms of this article, the Agency may transfer any Annual Table A Amount stored on or after the effective date of the Water Management Amendment in a groundwater storage program outside its service area to another contractor for use in that contractor's service area. These transfers must comply with the requirements of Articles 56(c)(4)(i)-(v), (6) and (7), and Article 57. The Agency will include these transfers in its preliminary water delivery schedule required in Article 12(a).

(2) Exchanges of any Annual Table A Amount stored in a groundwater storage program outside a contractor's service area.

STATE WATER PROJECT WATER SUPPLY CONTRACT AMENDMENT
FOR WATER MANAGEMENT
Execution Version

In accordance with applicable water rights law and the terms of this article, the Agency may exchange any Annual Table A Amount stored on or after the effective date of the Water Management Amendment in a groundwater storage program outside its service area with another contractor for use in that contractor's service area. These exchanges must comply with the requirements in Article 56(c)(4)(i)-(v). The Agency shall include these exchanges in its preliminary water delivery schedule pursuant to Article 12(a).

(c) Article 56 Carryover Water and Transfers or Exchanges of Article 56 Carryover Water

- (1) In accordance with any applicable water rights laws, the Agency may elect to use Article 56 Carryover Water within its service area, or transfer or exchange Article 56 Carryover Water to another contractor for use in that contractor's service area in accordance with the provisions of subdivision (c)(4) of this article. The Agency shall submit to the State a preliminary water delivery schedule on or before October 1 of each year pursuant to Article 12(a), the quantity of water it wishes to store as Article 56 Carryover Water in the next succeeding year, and the quantity of Article 56 Carryover Water it wishes to transfer or exchange with another contractor in the next succeeding year. The amount of project water the Agency can add to storage in project surface conservation facilities and in nonproject surface storage facilities located outside the Agency's service area each year shall be limited to the lesser of the percent of the Agency's Annual Table A Amount shown in column 2 or the acre-feet shown in column 3 of the following table, depending on the State's final Table A water supply allocation percentage as shown in column 1. For the purpose of determining the amount of project water the Agency can store, the final water supply allocation percentage shown in column 1 of the table below shall apply to the Agency. However, there shall be no limit to storage in nonproject facilities in a year in which the State's final water supply allocation percentage is one hundred percent. These limits shall not apply to water stored pursuant to Articles 12(e) and 14(b).

STATE WATER PROJECT WATER SUPPLY CONTRACT AMENDMENT
FOR WATER MANAGEMENT
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1. Final Water Supply Allocation Percentage	2. Maximum Percentage of Agency's Annual Table A Amount That Can Be Stored	3. Maximum Acre-Feet That Can Be Stored
50% or less	25%	100,000
51%	26%	104,000
52%	27%	108,000
53%	28%	112,000
54%	29%	116,000
55%	30%	120,000
56%	31%	124,000
57%	32%	128,000
58%	33%	132,000
59%	34%	136,000
60%	35%	140,000
61%	36%	144,000
62%	37%	148,000
63%	38%	152,000
64%	39%	156,000
65%	40%	160,000
66%	41%	164,000
67%	42%	168,000
68%	43%	172,000
69%	44%	176,000
70%	45%	180,000
71%	46%	184,000
72%	47%	188,000
73%	48%	192,000
74%	49%	196,000
75% or more	50%	200,000

- (2) Storage capacity in project surface conservation facilities at any time in excess of that needed for project operations shall be made available to requesting contractors for storage of project and nonproject water. If such storage requests exceed the available storage capacity, the available capacity shall be allocated among contractors requesting storage in proportion to their Annual Table A Amounts for that year. The Agency may store water in excess of its allocated share of capacity as long as capacity is available for such storage.
- (3) If the State determines that a reallocation of excess storage capacity is needed as a result of project operations or because of the exercise of a

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contractor's storage right, the available capacity shall be reallocated among contractors requesting storage in proportion to their respective Annual Table A Amounts for that year. If such reallocation results in the need to displace water from the storage balance for any contractor or noncontractor, the water to be displaced shall be displaced in the following order of priority:

First, water, if any, stored for noncontractors;

Second, water stored for a contractor that previously was in excess of that contractor's allocation of storage capacity; and

Third, water stored for a contractor that previously was within that contractor's allocated storage capacity.

The State shall determine whether water stored in a project surface water conservation facility is subject to displacement and give as much notice as feasible of a potential displacement. If the Agency transfers or exchanges Article 56 Carryover Water pursuant to this subdivision to another contractor for storage in such facility, the State shall recalculate the amount of water that is subject to potential displacement for both contractors participating in the transfer or exchange. The State's recalculation shall be made pursuant to subdivision (4) of this article.

(4) Transfers or Exchanges of Article 56 Carryover Water

The Agency may transfer or exchange its Article 56 Carryover Water as provided in this subdivision under a transfer or exchange agreement with another contractor. Water stored pursuant to Articles 12(e) and 14(b) and nonproject water shall not be transferred or exchanged. Transfers or exchanges of Article 56 Carryover Water under this subdivision shall comply with subdivision (f) of this article and Article 57 as applicable, which shall constitute the exclusive means to transfer or exchange Article 56 Carryover Water.

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On or around January 15 of each year, the State shall determine the maximum amount of Article 56 Carryover Water as of January 1 that will be available for transfers or exchanges during that year. The State's determination shall be consistent with subdivisions (c)(1) and (c)(2) of this article.

The State shall timely process requests for transfers or exchanges of Article 56 Carryover Water by participating contractors. After execution of the transfer or exchange agreement between the State and the contractors participating in the transfer or exchange, the State shall recalculate each contractor's storage amounts for the contractors participating in the transfer or exchange. The State's recalculation shall result in an increase by an amount of water within the storage amounts for the contractor receiving the water and a decrease by the same amount of water for the contractor transferring or exchanging water. The State's recalculation shall be based on the criteria set forth in the State's transfer or exchange agreement with the participating contractors. The State's calculations shall also apply when a contractor uses Article 56 Carryover Water to complete an exchange.

Transfers and exchanges of Article 56 Carryover Water shall meet all of the following criteria:

- (i) Transfers or exchanges of Article 56 Carryover Water are limited to a single-year. Project water returned as part of an exchange under subdivision (c)(4) Article 56 Carryover Water may be returned over multiple years.
- (ii) The Agency may transfer or exchange an amount up to fifty percent (50%) of its Article 56 Carryover Water to another contractor for use in that contractor's service area.
- (iii) Subject to approval of the State, the Agency may transfer or exchange an amount greater than 50% of its Article 56 Carryover Water to another

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contractor for use in that contractor's service area. The Agency seeking to transfer or exchange greater than 50% of its Article 56 Carryover Amount shall submit a written request to the State for approval. The Agency making such a request shall demonstrate to the State how the Agency will continue to meet its critical water needs in the current year of the transfer or exchange and in the following year.

- (iv) The contractor receiving the water transferred or exchanged under subdivisions (4)(i) or (ii) above shall confirm in writing to the State its need for the water that year and shall take delivery of the water transferred or exchanged in the same year.
 - (v) Subject to the approval of the State, the Agency may seek an exception to the requirements of subdivisions (4)(i), (ii), and (iii) above. The Agency seeking an exception shall submit a written request to the State demonstrating to the State the need for 1) using project surface conservation facilities as the transfer or exchange point for Article 56 Carryover Water if the receiving contractor cannot take delivery of the transfer or exchange water in that same year, 2) using project surface conservation facilities for the transfer or exchange of one contractor's Article 56 Carryover Water to another contractor to reduce the risk of the water being displaced. or 3) for some other need.
- (5) The restrictions on storage of project water outside a Agency's service area provided for in this subdivision (c), shall not apply to storage in any project off-stream storage facilities constructed south of the Delta after the date of the Monterey Amendment.

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- (6) For any project water stored outside its service area pursuant to subdivisions (b) and (c), the Agency shall pay the State the same (including adjustments) for power resources (including on-aqueduct, off-aqueduct, and any other power) incurred in the transportation of such water as the Agency pays for the transportation of Annual Table A Amount to the reach of the project transportation facility from which the water is delivered to storage. If annual entitlement is stored, the Delta Water Charge shall be charged only in the year of delivery to interim storage. For any stored water returned to a project transportation facility for final delivery to its service area, the Agency shall pay the State the same for power resources (including on-aqueduct, off-aqueduct, and any other power) incurred in the transportation of such water calculated from the point of return to the aqueduct to the turn-out in the Agency's service area. In addition, the Agency shall pay all incremental operation, maintenance, and replacement costs, and any other incremental costs, as determined by the State, which shall not include any administrative or contract preparation charge. Incremental costs shall mean those nonpower costs which would not be incurred if such water were scheduled for or delivered to the Agency's service area instead of to interim storage outside the service area. Only those contractors not participating in the repayment of a reach shall be required to pay a use of facilities charge for use of a reach for the delivery of water to, or return of water from, interim storage.
- (7) A Agency electing to store project water in a nonproject facility within the service area of another contractor shall execute a contract with that other contractor prior to storing such water which shall be in conformity with this article and will include at least provisions concerning the point of delivery and the time and method for transporting such water.

(d) Non-Permanent Water Transfers of Project Water

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Notwithstanding the provisions of Article 15(a), the State hereby consents to the Agency transferring project water outside its service area in accordance with the following:

- (1) The participating contractors shall determine the duration and compensation for all water transfers, including single-year transfers, Transfer Packages and multi-year transfers.
- (2) The duration of a multi-year transfer shall be determined by the participating contractors to the transfer, but the term of the transfer agreement shall not extend beyond the term of the Contract with the earliest term.
- (3) A Transfer Package shall be comprised of two or more water transfer agreements between the same contractors. The State shall consider each proposed water transfer within the package at the same time and shall apply the transfer criteria pursuant to Article 57 in the review and approval of each transfer. The State shall not consider a Transfer Package as an exchange.

(e) Continuance of Article 12(e) Carry-over Provisions

The provisions of this article are in addition to the provisions of Article 12(e), and nothing in this article shall be construed to modify or amend the provisions of Article 12(e). Any contractor electing to transfer or exchange project water during any year in accordance with the provisions of subdivision (c) of this article, shall not be precluded from using the provisions of Article 12(e) for carrying over water from the last three months of that year into the first three months of the succeeding year.

(f) Bona Fide Exchanges Permitted

Notwithstanding the provisions of Article 15(a), the State hereby consents to the Agency exchanging project water outside its service area consistent with this Article. Nothing in this article shall prevent the Agency from entering into bona fide exchanges of project water for use outside the Agency's service area with other parties for project water or nonproject water if the State consents to the use of the project water outside the Agency's service area. Also,

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nothing in this article shall prevent the Agency from continuing those exchange or sale arrangements entered into prior to September 1, 1995. Nothing in this article shall prevent the Agency from continuing those exchange or sale arrangements entered into prior to [] which had previously received any required State approvals. The State recognizes that the hydrology in any given year is an important factor in exchanges. A “bona fide exchange” shall mean an exchange of water involving the Agency and another party where the primary consideration for one party furnishing water to another party is the return of a substantially similar amount of water, after giving due consideration to the hydrology, the length of time during which the water will be returned, and reasonable payment for costs incurred.. In addition, the State shall consider reasonable deductions based on expected storage or transportation losses that may be made from water delivered. The State may also consider any other nonfinancial conditions of the return. A “bona fide exchange” shall not involve a significant payment unrelated to costs incurred in effectuating the exchange. The State, in consultation with the contractors, shall have authority to determine whether a proposed exchange of water constitutes a “bona fide exchange” within the meaning of this paragraph and not a disguised sale.

(g) Exchanges of Project Water

Exchanges of project water shall be consistent with Article 57. In addition, the State shall apply the following criteria to its review of each exchange of project water as set forth below:

(1) Exchange Ratio

Exchange ratio shall mean the amount of water delivered from a contractor’s project supply in a year to another contractor compared to the amount of water returned to the first contractor in a subsequent year by the other contractor. All exchanges shall be subject to the applicable exchange ratio in this article as determined by the allocation of available supply for the Annual Table A Amount at the time the exchange transaction between the contractors is executed.

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- (a) For allocations greater than or equal to 50%, the exchange ratio shall be no greater than 2 to 1.
- (b) For allocations greater than 25% and less than 50%, the exchange ratio shall be no greater than 3 to 1.
- (c) For allocations greater than 15% and less than or equal to 25%, the exchange ratio shall be no greater than 4 to 1.
- (d) For allocations less than or equal to 15%, the exchange ratio shall be no greater than 5 to 1.

(2) Cost Compensation

The State shall determine the maximum cost compensation calculation using the following formula:

The numerator shall be the exchanging Agency's conservation minimum and capital and transportation minimum and capital charges, including capital surcharges. DWR will set the denominator using the State Water Project allocation which incorporates the May 1 monthly Bulletin 120 runoff forecast.

If a Agency submits a request for approval of an exchange prior to May 1, the State shall provide timely approval with the obligation of the contractors to meet the requirement of the maximum compensation. If the maximum compensation is exceeded because the agreement between the contractors is executed prior to the State Water Project allocation as defined in (c)(2) above, the contractors will revisit the agreement between the two contractors and make any necessary adjustments to the compensation. If the contractors make any adjustments to the compensation, they shall notify the State.

(3) Period During Which the Water May Be Returned:

The period for the water to be returned shall not be greater than 10 years and shall not go beyond the

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expiration date of this Contract. If the return of the exchange water cannot be completed within 10 years, the State may approve a request for an extension of time.

(h) Other Transfers

Nothing in this article shall modify or amend the provisions of Articles 15(a), 18(a) or Article 41, except as expressly provided for in subdivisions (c) and (d) of this article and in subdivision (d) of Article 21.

NEW CONTRACT ARTICLES

ARTICLE 57 IS ADDED TO THE CONTRACT AS A NEW ARTICLE AS FOLLOWS:

57. Provisions Applicable to Both Transfers and Exchanges of Project Water

- (a) Nothing in this Article modifies or limits Article 18 (a).
- (b) Transfers and exchanges shall not have the protection of Article 14(b).
- (b) The Agency may be both a buyer and seller in the same year and enter into multiple transfers and exchanges within the same year.
- (d) Subject to the State's review and approval, all transfers and exchanges shall satisfy the following criteria:
 - (1) Transfers and exchanges shall comply with all applicable laws and regulations.
 - (2) Transfers and exchanges shall not impact the financial integrity of the State Water Project, Transfers and exchange agreements shall include provisions to cover all costs to the State for the movement of water such as power costs and use of facility charge.
 - (3) Transfers and exchanges shall be transparent, including compliance with subdivisions (g) and (h) of this article.
 - (4) Transfers and exchanges shall not harm other contractors not participating in the transfer or exchange.
 - (5) Transfers and exchanges shall not create significant adverse impacts to the service area of each contractor participating in the transfer or exchange.
 - (6) Transfers and exchanges shall not adversely impact State Water Project operations.
- (e) The Agency may petition the State and the State shall have discretion to approve an exception to the criteria set forth in subdivision (d) in the following cases:

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- (1) When a transfer or exchange does not meet the criteria, but the Agency has determined that there is a compelling need to proceed with the transfer or exchange.
 - (2) When a Agency that has received water in a transfer or exchange cannot take all of the water in the transaction in the same year, the Agency may request to store its water consistent with Article 56(c), including in San Luis Reservoir.
- (f) The State will timely process such requests for scheduling the delivery of the transferred or exchanged water. Contractors participating in a transfer or exchange shall submit the request in a timely manner.
- (g) Each contractor participating in a transfer or exchange shall confirm to the State in a resolution or other appropriate document approving the transfer or exchange, including use of Article 56(c) stored water, that:
 - (1) The Agency has complied with all applicable laws.
 - (2) The Agency has provided any required notices to public agencies and the public.
 - (3) The Agency has provided the relevant terms to all contractors and to the Water Transfers Committee of the State Water Contractors Association.
 - (4) The Agency is informed and believes that the transfer or exchange will not harm other contractors.
 - (5) The Agency is informed and believes that the transfer or exchange will not adversely impact State Water Project operations.
 - (6) The Agency is informed and believes that the transfer or exchange will not affect its ability to make all payments, including payments when

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due under its Contract for its share of the financing costs of the State's Central Valley Project Revenue Bonds.

- (7) The Agency has considered the potential impacts of the transfer or exchange within its service area.

(h) Dispute Resolution Process Prior to Executing an Agreement

The State and the contractors shall comply with the following process to resolve disputes if a contractor that is not participating in the transfer or exchange claims that the proposed transfer and/or exchange has a significant adverse impact.

- i. Any claim to a significant adverse impact may only be made after the Agency has submitted the relevant terms pursuant to Article 57(g)(3) and before the State approves a transfer or exchange agreement.
- ii. In the event that any dispute cannot be resolved among the contractors, the State will convene a group including the Department's Chief of the State Water Project Analysis Office, the Department's Chief Counsel and the Department's Chief of the Division of Operations or their designees and the contractors involved. The contractor's representatives shall be chosen by each contractor. Any contractor claiming an adverse impact must submit written documentation to support this claim and identify a proposed solution. This documentation must be provided 2 weeks in advance of a meeting of the group that includes the representatives identified in this paragraph.
- iii. If this group cannot resolve the dispute, the issue will be taken to the Director of the Department of Water Resources and that decision will be final.

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**WATER MANAGEMENT AMENDMENT IMPLEMENTING
AND ADMINISTRATIVE PROVISIONS**

IT IS FURTHER MUTUALLY AGREED that the following provisions, which shall not be part of the Water Supply Contract text, shall be a part of this Amendment and be binding on the Parties.

1. EFFECTIVE DATE OF WATER MANAGEMENT AMENDMENT

- (a) The Water Management Amendment shall take effect (“Water Management Amendment effective date”) on the last day of the calendar month in which the State and 24 or more contractors have executed the Water Management Amendment, unless a final judgment by a court of competent jurisdiction has been entered that the Water Management Amendment is invalid or unenforceable or a final order has been entered that enjoins the implementation of the Water Management Amendment.
- (b) If any part of the Water Management Amendment of any contractor is determined by a court of competent jurisdiction in a final judgment or order to be invalid or unenforceable, the Water Management Amendments of all contractors shall be of no force and effect unless the State and 24 or more contractors agree any the remaining provisions of the contract may remain in full force and effect.
- (c) If 24 or more contractors have not executed the Water Management Amendment by February 28, 2021 then within 30 days the State, after consultation with the contractors that have executed the amendment, shall make a determination whether to waive the requirement of subdivision (a) of this effective date provision. The State shall promptly notify all contractors of the State’s determination. If the State determines, pursuant to this article to allow the Water Management Amendment to take effect, it shall take effect only as to those consenting contractors.
- (d) If any contractor has not executed the Water Management Amendment within sixty (60) days after its effective date pursuant to subdivisions (a) through (c) of this effective date provision, this amendment shall not take effect as to such contractor unless the contractor and the State, in its discretion, thereafter execute such contractor’s Water Management Amendment, in which case the Water Management Amendment effective date for purposes of that contractor’s amendment shall be as agreed upon by the State and

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contractor, and shall replace the effective date identified in
subdivision (a) for that contractor.

**2. ADMINISTRATION OF CONTRACTS WITHOUT WATER MANAGEMENT
AMENDMENT**

The state shall administer the water supply contracts of any contractors that do not execute the Water Management Amendment in a manner that is consistent with the contractual rights of such contractors. These contractors' rights are not anticipated to be affected adversely or benefited by the Water Management Amendments.

3. OTHER CONTRACT PROVISIONS

Except as amended by this amendment, all provisions of the contract shall be and remain the same and in full force and effect, provided, however, that any reference to the definition of a term in Article 1, shall be deemed to be a reference to the definition of that term, notwithstanding that the definition has been re-lettered within Article 1. In preparing a consolidated contract, the parties agree to update all such references to reflect the definitions' lettering within Article 1.

4. DocuSign

The Parties agree to accept electronic signatures generated using DocuSign as original signatures.

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IN WITNESS WHEREOF, the Parties hereto have executed this Amendment on the date first above written.

Approved as to Legal Form
and Sufficiency:

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Chief Counsel
Department of Water Resources

Director

Date

Approved as to Form:

VENTURA COUNTY WATERSHED
PROTECTION DISTRICT

General Counsel
Ventura County Watershed Protection
District

General Manager

Date



Staff Report

To: UWCD Board of Directors

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

From: Brian Collins, Operations & Maintenance Manager

Date: October 26 2020 (November 10, 2020 Board Meeting)

Agenda Item: 4.2 **Resolution 2020-24** Resolution of the Board of Directors of United Water Conservation District Directing the Ventura County Watershed Protection District to Execute The Department Of Water Resources Funding Agreement In Principle (AIP) for Preliminary Planning and Design Costs Related to a Potential Delta Conveyance Facility (DCF) on Behalf of United Water Conservation District
Motion

Staff Recommendation:

The Board of Directors will consider approving Resolution 2020-24, directing the Ventura County Watershed Protection District to execute the Department of Water Resources funding Agreement in Principle (AIP) for preliminary planning and design costs related to a potential Delta Conveyance Facility (DCF). Staff recommends the Opt-in 100% option.

Background:

The Ventura Flood Control Protection District (VCFPD) (now the Ventura County Watershed Protection District (VCWPD)) signed a contract with the State of California Department of Water Resources (DWR) in the early 1960s for the delivery of up to 20,000 Acre-Feet of State Water Project Water Supply (known in the contract as Table A water) annually.

In 1971, Casitas MWD signed an agreement with VCFPD taking over the costs and administrative responsibilities of the VCFPD State Water Contract. Subsequently, Casitas MWD signed agreements with both Ventura Water (City of Ventura) and the United Water Conservation District assigning 10,000 Acre-Feet of State Water Project Table A to Ventura Water and 5,000 Acre-Feet to United Conservation District. Casitas MWD remains the administrator of the contract but VCWPD is still the named contractor on the State Water Project contract and thus must execute any amendments to that contract.

The State of California Department of Water Resources (DWR) and the State Water Project Contractors (SWC) have been in negotiations on the development of a Delta Conveyance Project/Delta Conveyance Facility (DCP/DCF) for the past several years that has resulted in a final Draft Agreement in Principle (AIP) in April 2020. In August of 2020, the SWCs distributed a proposed funding agreement that will fund the DWR's four-year planning activities for the DCP/DCF in the amount of \$385,000,000.00.

4.2 Resolution 2020-24 Resolution of the Board of Directors of United Water Conservation District Directing the Ventura County Watershed Protection District to Execute The Department Of Water Resources Funding Agreement In Principle (AIP) for Preliminary Planning and Design Costs Related to a Potential Delta Conveyance Facility (DCF) on Behalf of United Water Conservation District.

Motion

Discussion:

Alternative conveyance through the California Delta has been ongoing subject of negotiations between the DWR and SWCs for many years. The basic concept has been to provide a way to move water around the delta rather than through the delta as it has been since the project began operations. This concept was also part of the original design of the State Water Project, included due to concerns of possible environmental impacts of necessary south-of-delta pumping.

The most recent proposal put forward by Governor Newsom is a single tunnel under the delta that will have two intakes on the Sacramento River and provide a total capacity of 6,000 cubic feet per second (CFS).

Current estimates are that without the DCP/DCF, average annual Table A allocations will decrease from a current estimated yearly average of 60% to a range of 52% to 35% due to a number of factors including impacts of climate change. The estimated total cost of the project currently stands at approximately \$15.9 Billion.

DWR and SWCs negotiated an Agreement in Principle (AIP) that outlines the design, construction and operation of the project (attached). The AIP doesn't currently require Board of Directors action but will eventually be transformed into a Contract Amendment that will.

State Water Contractor Cost Share in the DCP/DCF:

The three current options for a State Water Contractor (SWC) to participate in DCP/DCF project is as follows:

1. Opt-Out: the SWC will bear no costs as well as receive no benefit from the project. Average annual Table A allocation will likely be impacted as noted above.
2. Opt-In at 100%: the SWC will bear the cost of the project in proportion to their Table A allocation (Currently stands at 0.48% for Ventura County)
3. Opt-In at greater than 100%: as a result of SWC negotiations of the AIP, additional water is available through the opt-out negotiations that have occurred. The SWC will bear additional cost but will also receive a benefit of additional equivalent Table A water. (Currently stands at 0.55% with a benefit of 2,139 Acre-Feet of Equivalent Table A Annual Allocation)

The estimated costs of each option is summarized in the table below.

4.2 Resolution 2020-24 Resolution of the Board of Directors of United Water Conservation District Directing the Ventura County Watershed Protection District to Execute The Department Of Water Resources Funding Agreement In Principle (AIP) for Preliminary Planning and Design Costs Related to a Potential Delta Conveyance Facility (DCF) on Behalf of United Water Conservation District.

Motion

DCP/DCF PROJECT COST OPTIONS AND ESTIMATES

(BASED ON A \$15,900,000,000 CURRENT PROJECT COST ESTIMATE)

<u>OPTION</u>	<u>COST PERCENTAGE</u>	<u>ESTIMATED FULL VCWPD SWP CONTRACT COST*</u>	<u>UWCD SHARE (25%)</u>	<u>EXPECTED NET EFFECT IN TERMS OF WATER SUPPLY</u>
OPT-OUT	ZERO	NONE	NONE	REDUCTION IN AVERAGE ANNUAL TABLE A ALLOCATION
OPT-IN (100%)	0.48%	\$76 MILLION	\$19 MILLION	MAINTAIN CURRENT AVERAGE ANNUAL TABLE A ALLOCATION OF 60%
OPT-IN (100% PLUS)	0.55%	\$87 MILLION	\$22 MILLION	ADDITIONAL AVERAGE ANNUAL TABLE A ALLOCATION

*Note: The State Water Contract currently shared by Casitas, the City of Ventura, and the United Water Conservation District is in the name of the Ventura County Watershed Protection District. The *Opt-In Plus* option is expected to yield an additional 2,139 Acre-Feet of Equivalent Table A allocation to the full VCWPD SWP contract of which United Water would receive 25% or 535 Acre-Feet, if United elects to the *Opt-in 100% plus* option.

The administrator of the VCWPD State Water Contract, Casitas has indicated to the SWC group that it should assume Casitas, Ventura and United would choose the Opt-In 100% Plus option pending further discussion and action amongst the three parties.

State Water Contractor Cost Share in the DWR Planning Effort:

The next proposed step in the DCP/DCF project is for the Department of Water Resources to conduct a planning study which is expected to take four years and cost approximately \$385 Million. Each State Water Contractor (SWC) that plans to Opt-In to the DCP/DCF project will be required to execute a funding agreement with the DWR that will allow them to begin the work by being assured of funding from the SWCs.

4.2 Resolution 2020-24 Resolution of the Board of Directors of United Water Conservation District Directing the Ventura County Watershed Protection District to Execute The Department Of Water Resources Funding Agreement In Principle (AIP) for Preliminary Planning and Design Costs Related to a Potential Delta Conveyance Facility (DCF) on Behalf of United Water Conservation District.

Motion

The level of funding will be based on the level of participation in the overall project. At this point in time, Casitas has indicated to the other Contractors that they should assume the VCWPD SWP contract is in for 100% Plus (0.55% Cost Share).

The VCWPD SWP Contract cost of the DWR study along with United's assumed portion is outlined in the table below.

	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Total</u>
VCWPD SWP Contract Amount (100% plus)	\$431,184	\$469,390	\$600,382	\$600,382	\$2,101,339
United's Share (\$100% plus)	\$107,796	\$117,348	\$150,096	\$150,096	\$525,335
United's Share (100%)	\$94,847	\$103,165	\$131,994	\$131,994	\$462,000

The DWR can bill these costs through either monthly or semi-annual installments starting in January of 2021. The SWCs are requesting that all funding agreements be executed by the end of November.

List of Pros & Cons:

Pros:

1. Moving forward with the funding agreement allows the District to remain in a position to attain the project's benefits.
2. The District already has a funding mechanism in place for funding of the funding agreement.
3. Funding partners (City of Ventura and Casitas MCD) appear to support continued participation.

Cons:

1. If the DCP/DCF project conceptualizing process were to restart again, spent funds could be lost.
2. The full cost of the DCP/DCF is not yet fully known.

Conclusion:

The DCP/DCF still has unknowns as to its final costs which will take a few years to work out. Further Board of Directors action in the future via a State Water Project contract amendment will be required in order to make a final commitment to participation in the construction of the DCP/DCF.

A commitment to funding the DWR's Planning Study should be considered as the next step toward making a final decision on the overall DCP/DCF.

4.2 Resolution 2020-24 Resolution of the Board of Directors of United Water Conservation District Directing the Ventura County Watershed Protection District to Execute The Department Of Water Resources Funding Agreement In Principle (AIP) for Preliminary Planning and Design Costs Related to a Potential Delta Conveyance Facility (DCF) on Behalf of United Water Conservation District.
Motion

Although not anticipated, if either or both the City of Ventura and Casitas decide to Opt-Out of the DCP/DCF, staff will bring this issue back to the Board for further consideration.

BUDGETARY IMPACT:

For Fiscal Year 2020/21, this is an unbudgeted item and the budgetary impact for this fiscal year would be approximately \$47,425 (Six monthly payments of \$7,903). Future costs would be included within respective annual budgets.

Attachment A- Resolution DCP AIP

Attachment B – Final AIP DCP

Attachment C- Delta Conveyance Toolkit_Final

RESOLUTION 2020-24

RESOLUTION ADOPTING DIRECTION TO THE VENTURA COUNTY WATERSHED PROTECTION DISTRICT (VCWPD) TO EXECUTE THE DEPARTMENT OF WATER RESOURCES FUNDING AGREEMENT FOR PRELIMINARY PLANNING AND DESIGN COSTS RELATED TO A POTENTIAL DELTA CONVEYANCE PROJECT (DCP) ON BEHALF OF UNITED WATER CONSERVATION DISTRICT

WHEREAS, the Casitas Municipal Water District (Casitas), Ventura Water and United Water Conservation District share the water supplies and related costs connected to the California State Water Project Water Supply Contract with the California Department of Water Resources,

WHEREAS, the Board of Directors has received information in regard to the tenets and details of the Department of Water Resources Funding Agreement for Preliminary Planning and Design Costs Related to a Potential Delta Conveyance Project (DCP),

WHEREAS, the Ventura County Watershed Protection District is the currently named contract holder for the California State Water Project Water Supply Contract with the California Department of Water Resources,

NOW, THEREFORE, BE IT RESOLVED that the United Water Conservation District directs the Ventura County Watershed Protection District to execute the Department of Water Resources Funding Agreement for Preliminary Planning and Design Costs Related to a Potential Delta Conveyance Project (DCP) on behalf of the United Water Conservation District.

ADOPTED this 10thth day of November, 2020.

Michael W. Mobley, President
United Water Conservation District

ATTEST:

Sheldon G. Berger, Secretary/Treasurer
United Water Conservation District

AGREEMENT IN PRINCIPLE

April 30, 2020

This Agreement in Principle has been developed from the State Water Contractor Public Water Agencies' offers presented from July 24, 2019 to present, Department of Water Resources' offers presented from July 31, 2019 to present, and information discussed and presented by the technical and legal work groups.

Agreement in Principle for the State Water Project Water Supply Contract Amendment

on a

Delta Conveyance Project

This Agreement in Principle (**AIP**) is by and between certain State Water Project Public Water Agencies (**PWAs**) and the State of California through the Department of Water Resources (**DWR**) for the purpose of amending the State Water Project Water Supply Contracts.

AIP Objective:

1. Develop an agreement between the State Water Project Contractor Public Water Agencies and Department of Water Resources to equitably allocate costs and benefits of a potential Delta Conveyance Facility that preserves operational flexibility such that the Department of Water Resources can manage the State Water Project to meet regulatory requirements, contractual responsibilities, and State Water Project purposes.

AIP Outline:

- I. Definitions
- II. Objective 1 - Availability of an option to opt out of costs and benefits of Delta Conveyance Facilities of the State Water Project
- III. Objective 2 - Availability of an option to assume, or partially assume, costs and benefits of Delta Conveyance Facilities of the State Water Project
- IV. Objective 3 - Pursuit of State Water Project Delta Conveyance Facilities under the State Water Project Water Supply Contracts
- V. Objective 4 - Delta Conveyance Facility billing
- VI. Objective 5 - Delta Conveyance Facility benefits allocation
- VII. Objective 6 - Affect upon other Water Supply Contract provisions
- VIII. Other Provisions
- IX. Environmental Review Process
- X. Authorized Representative Signatures

I. Definitions

- a. **Clifton Court Forebay** shall mean the existing State Water Project diversion at Clifton Court Forebay facility through its intake located on Old River in the southern Delta and the associated Skinner Fish Facility.
- b. **Delta** shall mean the Sacramento-San Joaquin Delta as defined in Section 12220 of the California Water Code on the date of approval of the Bond Act by the votes of the State of California.
- c. **Delta Conveyance Facility (DCF)** shall mean those facilities of the State Water Project consisting of a water diversion intake structure, or structures, located on the Sacramento River and connected by facilities to Banks Pumping Plant in the southern Delta with a single tunnel that will serve the water supply purposes of the State Water Project.
- d. **DCF Benefits** shall mean those water supply and capacity benefits attributable to the DCF including but not limited to: (1) Table A water supplies; (2) Article 21 water supplies; (3) carriage water savings; (4) reliable water supply and use of DCF available capacity in the event of a temporary or permanent physical, regulatory, or contractual disruption of southern Delta diversions; and (5) use of DCF available capacity to move non-project water through the proposed DCF.
- e. **Fair Compensation** shall include but is not limited to capital recovery, operations and maintenance, replacement, and variable charges associated with the use of the DCF capacity.
- f. **State Water Project (SWP)** shall mean the State Water Resources Development System as described in California Water Code section 12931.
- g. **State Water Project Contractor Public Water Agencies (PWAs)** shall include the 29 entities holding State Water Project Water Supply Contracts with the Department of Water Resources.

II. Objective 1 - Availability of an option to opt out of costs and DCF Benefits

- a. This AIP makes available to each PWA an option to opt out of the costs and benefits of the DCF through a contract amendment that establishes a Statement of Charges (SOC) percentage of DCF Benefits based on the percentages in the Delta Conveyance Allocation Factors table to water attributable to the DCF, as described in Section VI of this AIP.
- b. PWAs indicating an intent to opt out of costs and benefits of the DCF shall be described in Section VI(a) of this AIP.
- c. An option to opt out of DCF costs and benefits are limited such that a PWA must opt out of at least a minimum 100% of its Municipal and Industrial Table A or 100% of its Agricultural Table A. This provision doesn't prohibit a PWA from taking more than their Table A share, if available, in the Delta Facilities Allocation Factor table.

III. Objective 2 - Availability of an option to assume additional costs and benefits of the DCF

- a. This AIP makes available to each PWA an option to assume additional costs and benefits of the DCF through a contract amendment that establishes additional costs on the SOC in exchange for DCF Benefits based on the percentages in the Delta Conveyance Allocation Factors table to water attributable to the DCF, as described in Section VI of this AIP.
- b. PWAs indicating an intent to assume DCF costs and benefits shall be described in Section VI(b) of this AIP.

IV. Objective 3 - Pursuit of State Water Project Delta Conveyance Facilities under the State Water Project Water Supply Contracts

- a. The DCF shall be constructed and operated as an integrated component of the State Water Project, and DWR will continue to operate the State Water Project at its sole discretion.
- b. The DCF is an authorized component of the State Water Project pursuant to California Water Code sections 11100 et seq. and 12930 et seq.
- c. Effective Date: A contract amendment pursuant to this AIP shall have an effective date no sooner than the billing transition date set forth in State Water Project Water Supply Contract Amendment known as The Contract Extension Amendment.
- d. Administration of DCF: DWR will forecast and account for Project Water attributable to the DCF and DWR will determine whether or not that Project Water would not have been available at Clifton Court Forebay. A whitepaper describing the DWR's and the PWAs' current understanding of the approach on forecasting, administration, and accounting is contained in Attachment 1. Attachment 1 will not be incorporated into contract language.

V. Objective 4 - Delta Conveyance Facility billing

- a. These costs would be billed to and collected from SWP PWAs consistent with the Delta Facilities Allocation Factor table below through their annual SOC.
- b. **Delta Conveyance Facilities Charge Components:** All capital and minimum operations, maintenance, power and replacement (OMP&R) costs associated with the DCF are 100% reimbursable and shall be recovered by DWR from PWAs through their annual SOC consistent with the Delta Facilities Allocation Factor table. These costs shall be allocated to and billed under two new charges as follows:

(1) Delta Conveyance Facilities Capital Charge Component.

(2) Delta Conveyance Facilities Minimum OMP&R Component.

c. Delta Conveyance Facilities Capital Charge Component Method of Computation

1. This computation will recover actual annual debt service created by financing activities (Financing Method) for DCF.
2. Each Financing Method shall provide an annual repayment schedule, which includes all Financing Costs.
3. Financing Costs shall mean the following: Principal of and interest on Revenue Bonds, debt service coverage required by the applicable bond resolution or indenture in relation to such principal and interest, deposits to reserves required by the bond resolution or indenture in relation to such Revenue Bonds, and premiums for insurance or other security obtained in relation to such Revenue Bonds.

- d.** Financing Method shall be divided into four categories: DCF Capital Costs paid with the proceeds of Revenue Bonds; DCF Capital Costs paid with amounts in the State Water Resources Development System Reinvestment Account; DCF Capital Costs paid annually for assets that will have a short Economic Useful Life or the costs of which are not substantial, and DCF Capital Costs prepaid by the PWAs consistent with the Delta Facilities Allocation table.

- e.** DCF Capital Charge Component should be allocated to the PWAs in proportion to the Delta Conveyance Facilities Allocation Factors for each calendar year and consistent with the Delta Facilities Allocation Factor table.

f. Delta Conveyance Facilities Minimum OMP&R Charge Component Method of Computation

1. Recovery will be estimated and/or actual annual OMP&R costs determined for the DCF each year.
2. DCF Minimum OMP&R Charge Component shall be allocated to the PWAs in proportion to the Delta Conveyance Facilities Allocation Factors for each calendar year.

- g. Delta Conveyance Facilities Energy Charges:** The DCF energy costs are 100% reimbursable by the PWAs and the methodology will be determined by DWR, reviewed in the SWRDS Finance Committee, and approved by the Director.

- h. Redetermination:** These charges shall be subject to redetermination.
- i. Step-up:** PWAs that execute a contract amendment to opt out will not be allocated any portion of a step-up required in the event of a default on a DCF Capital Charge.
- j. Delta Conveyance Facilities Allocation Factors:** The following table is a preliminary allocation of DCF participation percentages. Only PWAs with a greater than 0 percentage would be billed for DCF Charge Components through their annual SOC, using the Delta Conveyance Facility Allocation Factors described in the table. PWAs with a zero allocation factor would not be billed for repayment of costs for construction, operation and maintenance of facilities associated with DCF, except to the extent there is a permanent transfer of Table A which would increase a PWA from a greater than zero allocation factor through a subsequent contract amendment.

Public Water Agency	Delta Conveyance Facilities Allocation Factors
City of Yuba City	0
County of Butte	0
Plumas County FC&WCD	0
Napa County FC&WCD	0
Solano County Water Agency	0
Alameda County FC&WCD, Zone 7	
Alameda County Water District	
Santa Clara Valley Water District	
Dudley Ridge Water District	
Empire-West Side Irrigation District	0
Kern County Water Agency-Total	
County of Kings	0
Oak Flat Water District	0
Tulare Lake Basin Water Storage District	0
San Luis Obispo County FC&WCD	
Santa Barbara County FC&WCD	0
Antelope Valley-East Kern Water Agency	
Santa Clarita Valley Water Agency	
Coachella Valley Water District	
Crestline-Lake Arrowhead Water Agency	
Desert Water Agency	
Littlerock Creek Irrigation District	0
Mojave Water Agency	
Palmdale Water District	

San Bernardino Valley Municipal Water District	
San Gabriel Valley Municipal Water District	
San Geronio Pass Water Agency	
The Metropolitan Water District of Southern California	
Ventura County Watershed Protection District	
Total	100.000%

VI. Objective 5 - Delta Conveyance Facility Benefits Allocation

- a. PWAs that execute a contract amendment to opt out of DCF costs and benefits will agree, within that amendment, to the following:
 - i. Charges as set forth in Section V of this AIP will not appear on its SOC.
 - ii. Forego and waive any contractual rights to the following:
 - a. Right to or delivery of Project Water attributable to the DCF, provided that DWR determines that such water would not have been available for diversion at Clifton Court Forebay. This AIP will not modify the amounts within Table A but will memorialize this limited reduction for DCF Benefits by adding a footnote to the PWA's Table A to reflect their zero allocation for DCF Benefits.
 - b. Any contractual rights to or delivery of Article 21 Interruptible Water prior to the point(s) in time each year DWR determines that a volume of water equal to the volume of current year Project Water for Table A in San Luis Reservoir attributable to DCF in the SWP share of San Luis Reservoir storage will be displaced or evacuated by a quantity of exports equal to the quantity of exports from Clifton Court Forebay that would have been stored in San Luis Reservoir absent the DCF. Provided that, when Article 21 Interruptible Water supply is greater than demand from PWAs with a greater than zero Delta Conveyance Facility Allocation factor, Article 21 Interruptible Water will be made available to all PWAs based on Table A percentage.
 - c. Any contractual rights to or delivery of Article 21 Interruptible Water attributable to the DCF after a volume of water equal to the volume of current year Project Water for Table A in San Luis Reservoir attributable to DCF has been evacuated or displaced by the exports from Clifton Court Forebay that would have been stored in San Luis Reservoir absent DCF. Provided that, when Article 21 Interruptible Water supply is greater than demand from PWAs with a greater than zero Delta

Conveyance Facility Allocation Factor, Article 21 Interruptible Water will be made available to all PWAs based on Table A percentage.

- d. Right to use DCF conveyance capacity unused by DWR for SWP purposes to convey non-project water, except as provided in subsection h.
 - e. Right to use available DCF conveyance capacity to convey Project Water in the event that pumping directly from the south Delta is prevented or impaired by a physical, regulatory or contractual disruption, including but not limited to sea level rise, seismic events, flooding, or other uncontrollable event.
 - f. Right to carriage water savings that DWR determines are realized during its operation of any DCF for purposes of conveying Project Water.
 - g. Right to any credit from Fair Compensation collected by DWR for use of available DCF conveyance capacity.
 - h. Rights to use of the DCF, unless a subsequent contract with DWR is entered that provides for payment of Fair Compensation associated with such use.
- iii. For the North of Delta PWAs, DWR will not change the current administrative process for determining the availability of Article 21 due to the DCF. This process will be documented in the Article 21 administration that is distributed via a Notice to Contractors.
- b. PWAs that execute a contract amendment to assume costs and benefits of the DCF will agree, within that amendment, to the following:
- i. Charges will appear on the SOC as set forth in the table in the percentages shown in Section V of this AIP.
 - ii. DCF Benefits in proportion to the percentage table in Section V of this AIP, including but not limited to:
 - a) Delivery of Table A amounts diverted at and conveyed through the DCF. This AIP will not modify the amounts within Table A but will memorialize this DCF Benefits by amending the PWA's Table A with a footnote. The footnote will recognize each PWA's DCF Benefits consistent with the Delta Conveyance Facilities Allocation Factors.
 - b) Article 21 Interruptible Water attributable to DCF.
 - c) Available DCF conveyance capacity unused by DWR for SWP purposes, to convey non-project water for ultimate use within that PWA's service area.
 - d) Carriage water savings that DWR determines are realized during its operation of any DCF for purposes of conveying Project Water.
 - e) Available DCF conveyance capacity to convey Project Water in the event that pumping in the south Delta is prevented or impaired by a physical, regulatory or contractual disruption, including but not limited to sea level rise, seismic events, flooding, or other uncontrollable event.

- f) A credit from Fair Compensation collected by DWR for use of available DCF conveyance capacity.
- c. Nothing in this AIP changes Article 18(a) in the existing State Water Project Water Supply Contracts.

VII. Objective 6 - Affect Upon Other Water Supply Contract Provisions

- a. Unless specifically stated in this AIP and incorporated into a subsequent contract amendment, there are no changes to the PWAs' rights and obligations under the existing State Water Project Water Supply Contracts.
- b. Transfers and exchanges are not intended to be modified under this AIP and shall be subject to the provisions of the then existing State Water Project Water Supply Contracts.

VIII. Other Provisions

- a. Clifton Court Forebay Diversion Priority: In the event that DWR uses its discretion to move Project Water through the DCF that could have been moved through Clifton Court Forebay Intake, PWAs with a greater than zero Delta Conveyance Facilities Allocation Factor will be given a first priority of available capacity, as determined by DWR, based on their percentage in section V to move up to that same amount of non-project water at Clifton Court Forebay Intake.

IX. Environmental Review Process

DWR and the PWAs agree that this AIP is intended to be used during the environmental review process for the California Environmental Quality Act (CEQA), to define the proposed project description for the purposes of CEQA, and to permit the next steps of the SWP water supply contract amendment process, including scoping and the preparation of the EIR. The AIP principles are not final contract language and do not represent a contractual commitment by either DWR or the PWAs to approve any proposed project or to sign contract amendments. By concurring with the AIP, DWR and the PWAs express their intent to move forward with the CEQA process with DWR as lead agency and the PWAs as responsible agencies, and ultimately develop a proposed project consisting of contractual amendments consistent with the AIP principles and prepare the EIR for consideration by DWR and the PWAs.

At the end of the CEQA process and in compliance with CEQA, DWR and the PWAs will each individually evaluate the EIR and Contract Amendment, exercise their independent judgment, and determine whether or not to certify the EIR, approve the proposed project and sign the contract amendment or to approve an alternative project. Consequently, even though DWR and the PWAs have agreed to the AIP

for the purposes described in the preceding paragraphs, DWR and each PWA retain their full discretion under CEQA to consider and adopt mitigation measures and alternatives, including the alternative of not going forward with the proposed project.

DELTA CONVEYANCE TOOLKIT

The State Water Contractors (SWC) appreciate your support in raising awareness of the Delta Conveyance Project – protecting the State Water Project (SWP) as California’s primary source of affordable, high-quality water, now and into the future.

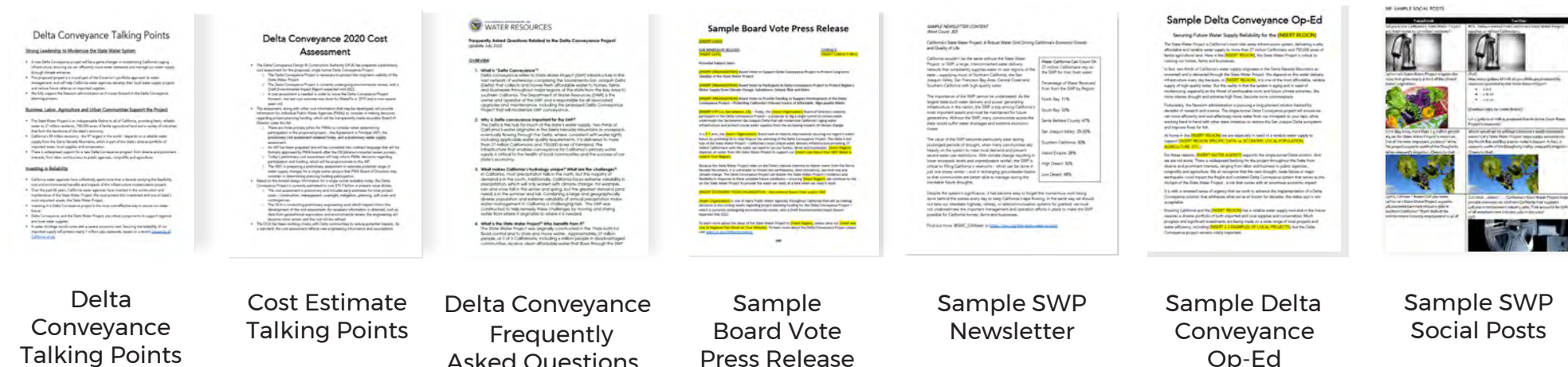
ACTIVATION AGENDA

As your agency prepares to vote on its level of participation in the Delta Conveyance Project, our Activation Agenda serves as a reminder of **the steps you can take communicate the value of the Project to your region.**

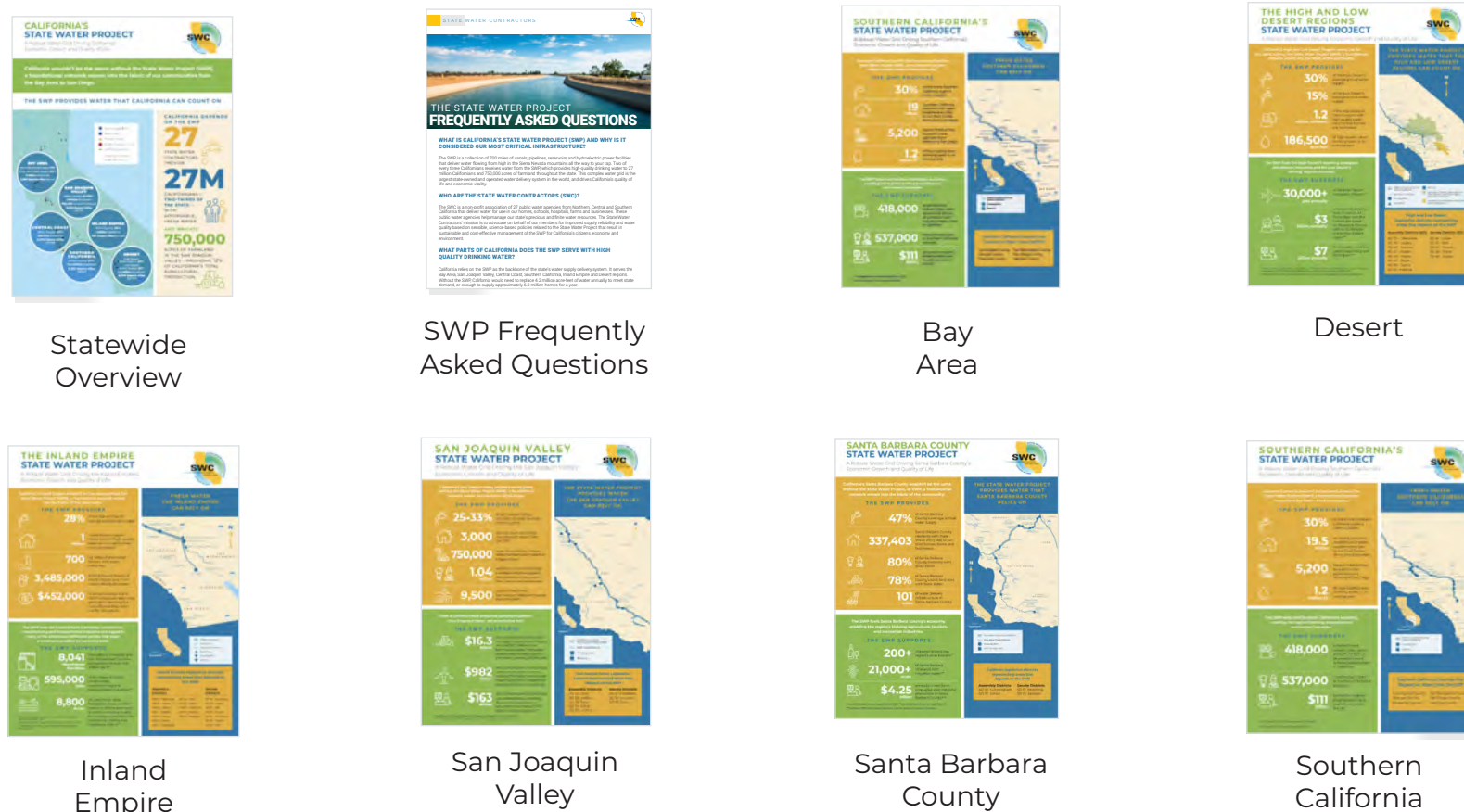
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818.760.2121

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Staff Report

To: UWCD Board of Directors

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

From: Joseph Jereb, Chief Financial Officer

Date: October 26, 2020 (November 10, 2020 meeting)

Agenda Item: 4.3 Request from AT&T to Amend Lease Agreement for Cell Tower and Backup Generator at Lake Piru
Motion

Staff Recommendation:

The Board will review and consider approving an amendment to the lease agreement with AT&T governing the company's use of property at Lake Piru for the operation of a cellular communications tower and backup power generator.

Discussion:

Since 2011, AT&T has leased approximately 250 square feet of land at the Lake Piru site and have placed a 60-foot communications tower on this space. The tower supports wireless communications at the District facility.

The company is now proposing the installation of a backup power generator to support service continuity in the event of a power outage. The Operations and Maintenance as well as Recreation Departments are supportive of this move in light of the increased risk of wildfires in the area that can threaten power supply to the Lake Piru recreational facility and in turn, communications with other District facilities and the public during an emergency situation.

Fiscal Impact:

Rental income to Fund 20 will increase by \$4,680 per year. The anticipated incremental revenue of \$3,120 for the remainder of FY20-21 is not included in the FY20-21 Budget.

Attachment:

Second Amendment to Revocable Communications Site License Agreement - Legal Red-lined

Market: Los Angeles
Cell Site Number: NL0415
Cell Site Name: Lake Piru
Fixed Asset Number: 10138296

SECOND AMENDMENT TO REVOCABLE COMMUNICATIONS SITE LICENSE AGREEMENT

THIS SECOND AMENDMENT TO REVOCABLE COMMUNICATIONS SITE LICENSE AGREEMENT ("Second Amendment") dated _____, 2020 ("Effective Date"), by and between United Water Conservation District, a special district, organized and existing under the Water Conservation Act~~ion~~ of 1931, having a mailing address of 1701 North Lombard Street, Suite 200, Oxnard, CA 93030 ("**District**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, ~~having a mailing address of 1025 Lenox Park Blvd. NE, Third Floor, Atlanta, GA 30319~~ ("**Carrier**") (collectively the "Parties"). ~~amends that certain REVOCABLE COMMUNICATIONS SITE LICENSE AGREEMENT dated August 10, 2011 as amended by that First Amendment to the Agreement dated February 27, 2019 (hereinafter collectively the "Agreement").~~ TO REVOCABLE COMMUNICATIONS SITE LICENSE AGREEMENT dated as of the latter of the signature dates below, is by and between United Water Conservation District, a special district, organized and existing under the Water Conservation Act~~ion~~ of 1931, having a mailing address of 106 N. 8th Street, Santa Paula, California 93060 ("**District**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 1025 Lenox Park Blvd NE, Third Floor, Atlanta, GA 30319 ("**Carrier**").

WHEREAS, District and Carrier entered into that certain Revocable Communications Site License Agreement dated August 10, 2011 as amended by that First Amendment to Communications Site License Agreement dated February 27, 2019 (hereinafter collectively the "Agreement") ~~the Agreement~~ establishing terms by which District authorized Carrier to use a certain portion ("Site") of land owned by the District located at 4902 Piru Canyon Road, Lake Piru, CA 93040 ("Property"); ~~and a REVOCABLE COMMUNICATIONS SITE LICENSE AGREEMENT dated August 10, 2011, whereby District leased to Carrier certain Premises, therein described, that are a portion of the Property located at 4902 Piru Canyon Road, Lake Piru, CA 93040, as amended by that certain First Amendment to Revocable Communications Site License Agreement dated February 27, 2019 (herein referred to as "Agreement"); and~~

WHEREAS, District and Carrier desire, in their mutual interest, wish to amend the Agreement as set forth below.

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, District and Carrier agree as follows:

1. New Premises Expanded Site Area. District agrees to increase the size of the Premises Site leased licensed to Carrier to accommodate Carrier's needs. Upon the execution of this Second Amendment, District agrees to license leases to Carrier the

additional premises as described on attached-in Exhibit B-1; attached hereto ("New Premises Area"). District's execution of this Second Amendment will signify District's approval of Exhibit B-1. Exhibit B-1 hereby supplements Exhibit B to the Agreement. Hereafter, the defined term "Site" in the Agreement shall include the New Premises Area. The Premises under the Agreement prior to this Amendment in addition to the New Premises Area under this Amendment shall be the Premises under the Agreement.

2. **-Generator.** Carrier shall have the right to install, repair, maintain, modify, replace, remove, utilize and operate (including but not limited to operate as may be required by applicable law) equipment within the New Premises Area, including without limitation a concrete pad and generator thereon, including back-up power supply. Carrier shall have the right to access the New Premises Area, and any provisions in the Agreement governing access shall apply to such access. The generator shall remain the property of Carrier, and Carrier shall have the right to remove or modify it at any time. The terms and provisions of the Agreement shall apply to any all equipment installed, repaired, maintained, modified, replaced, removed, utilized, and/or operated on the New Premises Area.
3. **-RentLicense Fee.** Commencing the first day of the month following commencement of installation within the New Premises Area ("Increase Commencement Date"), ~~Rent~~ the License Fee shall be increased by ~~Forty~~ Three Hundred Ninety and No/100 Dollars (\$390.00) per month, subject to further adjustments, if any, as provided in the Agreement; provided that the first such increased payment shall not be due until sixty (60) days after such Increase Commencement Date ~~and provided further that, any partial month occurring after the Increase Commencement Date, the increased Rent amount shall be pro-rated.~~
4. **-Other.** District makes no representations and/or warranties as to the conditions of the New Premises Area, Property, or Site except as otherwise provided in Section 15(b) of the Agreement. Carrier's access to and use of the New Premises is granted on an "AS-IS" basis. represents and warrants that, to its knowledge, no conditions exist within the New Premises Area or otherwise on the property where the Premises and New Premises Area are located that would adversely impact Carrier's permitting and/or installation of a generator within the New Premises Area. District authorizes Carrier to prepare, execute and file all required applications to obtain any government approvals for Carrier's use of the New Premises Area under ~~this the~~ Agreement and agrees, at Carrier's request, to reasonably assist Carrier with such applications and with obtaining and maintaining the government approvals. Where applicable law governs how the generator will be used, Carrier may use the generator in the manner set forth in applicable law. Carrier may terminate this Second Amendment by written notice to District at any time, and the ~~rent~~ License Fee increase set forth in Section 3 hereof shall not take effect or shall be cancelled, as applicable, following any such termination. Within one hundred twenty ~~(120)~~ days after termination of this Second Amendment, Carrier shall remove its equipment from the New Premises Area; provided that any portions of the equipment that Carrier fails to remove within such period and cessation of Carrier's operations at the New Premises Area shall be deemed abandoned. Carrier

shall repair any damage, less ordinary wear and tear, to the New Premises Area caused by its removal activities.

5. Section ~~27-16~~ of the Agreement is hereby deleted in its entirety and replaced with the following:

Notices. All notices, requests, demands and communications hereunder will be given by first class certified or registered mail, return receipt requested, or by a nationally recognized overnight courier, postage prepaid, to be effective when properly sent and received, refused or returned undelivered. Notices will be addressed to the parties as follows.

If to DISTRICT:	United Water Conservation District <u>1701 North</u> <u>Lombard Street,</u> <u>Suite 200, Oxnard,</u> <u>CA 93030</u> 106 N. 8th <u>Street</u> <u>Santa Paula, CA 93060</u> _____ _____ _____ _____ _____	If to CARRIER: New Cingular Wireless PCS, LLC Attn: TAG - LA Re: Cell Site # NL0415 Cell Site Name: Lake Piru (CA)_ Fixed Asset #: 10138296 1025 Lenox Park Blvd. NE 3rd Floor Atlanta, GA 30319 With copy to: New Cingular Wireless PCS, LLC Attn: Legal Department Re: Cell Site # NL0415 Cell Site Name: Lake Piru (CA) Fixed Asset #: 10138296 208 S. Akard Street Dallas, Texas, 75202-4206
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The copy sent to the Legal Department is an administrative step which alone does not constitute legal notice. Either party hereto may change the place for the giving of notice to it by thirty (30) days prior written notice to the other as provided herein.

6. Other Terms and Conditions Remain. In the event of any inconsistencies between the Agreement and this Second Amendment, the terms of this Second Amendment shall control. Except as expressly set forth in Second Amendment, the Agreement otherwise is unmodified and remains in full force and effect. Each reference in the Agreement to itself shall be deemed also to refer to this Second Amendment. The rights granted to Carrier herein are in addition to and not intended to limit any rights of Carrier in the Agreement. Unless otherwise specified herein or unless the context requires otherwise, the terms in the Agreement shall apply to the New Premises Area.

7. Capitalized Terms. All capitalized terms used but not defined herein shall have the same meanings as defined in the Agreement.

IN WITNESS WHEREOF, the parties have caused their properly authorized representatives to execute and seal this Second Amendment on the dates set forth below.

DISTRICT:

United Water Conservation
District, a public district, organized
and existing under the Water
Conservation Act of 1931

CARRIER:

New Cingular Wireless PCS, LLC,
a Delaware limited liability
company

By: AT&T Mobility Corporation
Its: Manager

By: _____

Print Name: _____

Its: _____

Date: _____

By: _____

Print Name: _____

Its: _____

Date: _____

DISTRICT ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of _____)

On _____ before me,

(insert name and title of the officer)

personally appeared

_____,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)

CARRIER ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of _____)

On _____ before me,

(insert name and title of the officer)

personally appeared

_____,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the

person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)

|

Return when recorded to:
New Cingular Wireless PCS, LLC
Attn Tower Asset Group-Lease Administration
1025 Lenox Park Blvd. NE
3rd Floor
Atlanta, GA 30319

APN: 16020016

Space above this line for Recorder's Use

Cell Site Number: Error! Reference source not found.Site Number
Cell Site Name: Error! Reference source not found.Site Name
Fixed Asset Number: Error! Reference source not found.FA Code
State: Error! Reference source not found.CA
County: VENTURA

MEMORANDUM OF SECOND AMENDMENT TO REVOCABLE COMMUNICATIONS
SITE LICENSE AGREEMENT

This Memorandum of Second Amendment to Revocable Communications Site License Agreement dated _____, 2020 ("Effective Date"), is entered into on this ____ day of _____, 20____, 20, by and between United Water Conservation District, a special district, organized and existing under the Water Conservation Act~~ion~~ of 1931, having a mailing address of 1701 North Lombard Street, Suite 200, Oxnard, CA 93030 ("District") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, -having a mailing address of 1025 Lenox Park Blvd., NE, Third Floor, Atlanta, GA 30319 ("Carrier")

1. District and Carrier entered into that certain Revocable Communications Site License Agreement dated August 10, 2011, as amended by that First Amendment to Communications Site License Agreement dated February 27, 2019 and the Second Amendment to Communications Site License Agreement dated _____, 2020~~as amended by that First Amendment to the Agreement dated February 27, 2019~~ (hereinafter collectively, the "Agreement") establishing terms by which District authorized Carrier to use a certain portion ("Site") of land owned by the District located at 4902 Piru Canyon Road, Lake Piru, CA 93040 ("Property"); and (collectively, the "Agreement"),~~—~~for the purpose of installing, operating and maintaining a communications facility and other improvements. All of the foregoing are set forth in the Agreement.

2. The initial lease term was five (5) years (“**Initial Term**”) and commenced on October 1, 2011, with six (6) successive five (5) year options to renew.
3. District agrees to increase the size of the ~~Premises-Site~~ to accommodate additional equipment. Error! Reference source not found.Licenser leases to Error! Reference source not found.Licensee the additional premises area as more completely described on attached **Exhibit 1**.
4. This Memorandum of Second Amendment to Revocable Communications Site License Agreement is not intended to amend or modify and shall not be deemed or construed as amending or modifying, any of the terms, conditions or provisions of the Agreement, all of which are hereby ratified and affirmed. In the event of a conflict between the provisions of this Memorandum of Second Amendment to Revocable Communications Site License Agreement and the provisions of the Agreement, the provisions of the Agreement shall control. The Agreement shall be binding upon and inure to the benefit of the parties and their respective heirs, successors, and assigns, subject to the provisions of the Agreement.

IN WITNESS WHEREOF, the parties have executed this Memorandum of Second Amendment to Revocable Communications Site License Agreement as of the day and year first above written.

DISTRICT:
UNITED WATER CONSERVATION
DISTRICT, A PUBLIC DISTRICT,
ORGANIZED AND EXISTING
UNDER THE WATER
CONSERVATION ACT OF 1931

CARRIER:
NEW CINGULAR WIRELESS PCS, LLC,
A DELAWARE LIMITED LIABILITY
COMPANY

BY: AT&T MOBILITY CORPORATION
ITS: MANAGER

BY:

BY:

PRINT NAME:

PRINT NAME:

ITS:
DATE:

ITS:
DATE:

DISTRICT ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of _____)

On _____ before me,

(insert name and title of the officer)

personally appeared

_____,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)

CARRIER ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of _____)

On _____ before me,

(insert name and title of the officer)

personally appeared

_____,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the

person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)

EXHIBIT 1
Page 1 of ~~23~~

to the Memorandum of Second Amendment to Revocable Communications Site License Agreement dated _____, 20~~---~~20, by and between United Water Conservation District, a special district, organized and existing under the Water Conservation Act~~ion~~ of 1931, as District, and New Cingular Wireless PCS LLC, a Delaware limited liability company, as Carrier.

See Property Legal Description Attached.

~~The premises are a portion of the property depicted below~~

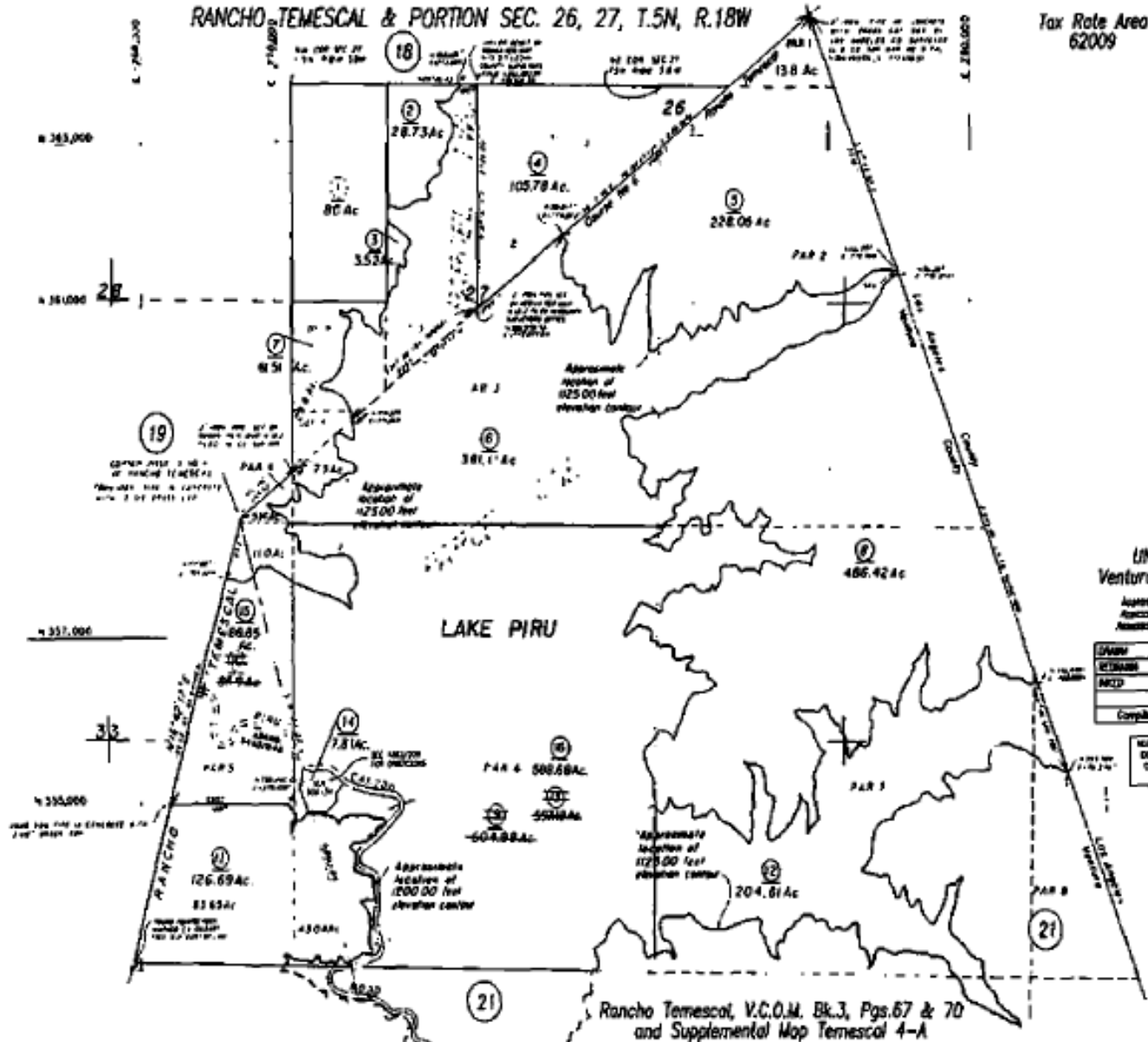
PROPERTY LEGAL DESCRIPTION:

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF VENTURA, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

A PORTION OF THE RANCHO TEMESCAL LOCATED IN THE COUNTY OF VENTURA, STATE OF CALIFORNIA, AS DELINEATED ON A CERTAIN MAP BASED ON CALIFORNIA COORDINATE SYSTEM ZONE 5, CERTIFIED BY JULIAN HINDS, REGISTERED ENGINEER, DATED APRIL 5, 1954, NUMBERED 340-81, RECORDED IN THE OFFICE OF THE COUNTY RECORDER OF SAID VENTURA COUNTY, IN BOOK 16, RECORD OF SURVEYS, AT PAGE(S) 88 AND 89, SAID POINT OF SAID RANCHO TEMESCAL, LYING WITHIN THE BOUNDARIES OF SAID LAND AS SHOWN WITHIN THE VENTURA COUNTY TAX ASSESSORS 016-0-200-165, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT CORNER POST T NO. 6 OF SAID RANCHO AS SHOWN ON THE OFFICIAL RECORDS OF SAID VENTURA COUNTY, CALIFORNIA, SAID CORNER HAVING GRID COORDINATES NORTH 358,456.86, EAST 1,769,456.40 OF ZONE 5 OF THE CALIFORNIA STATE COORDINATE SYSTEM, SAID CORNER BEING MARKED BY A BRASSCAPPED IRON PIPE SET FOR SAID CORNER; THENCE SOUTH 16° 27' 27" EAST (BEARINGS BASED ON A BEARING OF NORTH 16° 42' 17" EAST FOR COURSE NO. 5 OF SAID RANCHO) A DISTANCE OF 9,860.85 FEET MORE OR LESS TO A CORNER MARKED BY AN IRON PIPE WITH A 2-1/2 INCH BRASS CAP SET FOR SUCH CORNER, THE TRUE POINT OF BEGINNING, SAID POINT HAVING GRID COORDINATES NORTH 349,000.00 EAST 1,772,250.00 OF SAID ZONE 5; THENCE EAST A DISTANCE OF 2,250.00 FEET MORE OR LESS TO AN IRON PIPE WITH A 2-1/2 INCH BRASS CAP SET FOR SUCH CORNER, SAID POINT HAVING GRID COORDINATES NORTH 349,000.00 EAST 1,774,500.00 OF SAID ZONE 5; THENCE NORTH 2,050 FEET TO A POINT HAVING GRID COORDINATES NORTH 351,050.00, EAST 1,774,500.00 OF SAID ZONE 5; THENCE WEST 75 FEET TO A POINT HAVING GRID COORDINATES NORTH 351,050.00, EAST 1,774,425.00 OF SAID ZONE 5; THENCE NORTH ON A LINE TO THE INTERSECTION OF THIS COURSE WITH THE 1,125.00 FEET ELEVATION (ELEVATIONS BASED ON AN ELEVATION OF 692.443 FEET FOR THE U.S. COAST AND GEODETIC SURVEY BENCH MARK NUMBER H 305 SITUATED IN PIRU, VENTURA COUNTY, CONTOUR LINE, SAID INTERSECTION POINT HAVING GRID COORDINATES NORTH 352,295, MORE OR LESS, EAST 1,774,425.00, OF SAID ZONE 5; THENCE IN A GENERALLY EASTERLY AND NORTHERLY DIRECTION ALONG SAID 1,125.00 FEET CONTOUR LINE TO THE INTERSECTION OF SAID CONTOUR LINE WITH THE VENTURA COUNTY -LOS ANGELES COUNTY BOUNDARY LINE, SAID INTERSECTION POINT HAVING APPROXIMATE GRID COORDINATES NORTH 355,303, EAST 1,781,346, OF SAID ZONE 5; THENCE NORTHWESTERLY ALONG SAID COUNTY BOUNDARY LINE TO THE INTERSECTION OF SAID LINE WITH THE 1,125.00 FEET CONTOUR LINE, SAID INTERSECTION POINT HAVING APPROXIMATE GRID COORDINATES NORTH 356,449, EAST 1,780,889, OF SAID ZONE 5; THENCE IN A GENERALLY WESTERLY, NORTHERLY AND EASTERLY DIRECTION ALONG THE 1,125.00 FEET CONTOUR LINE TO THE INTERSECTION OF SAID CONTOUR LINE WITH THE VENTURA COUNTY -LOS ANGELES BOUNDARY LINE, SAID INTERSECTION POINT HAVING APPROXIMATE GRID COORDINATES NORTH 361,307, EAST 1,778,954, OF SAID ZONE 5; THENCE NORTHWESTERLY ALONG SAID COUNTY BOUNDARY LINE TO THE INTERSECTION OF SAID COUNTY BOUNDARY LINE WITH THE 1,125.00 FEET CONTOUR LINE, SAID INTERSECTION POINT HAVING APPROXIMATE GRID COORDINATES NORTH 361,357, EAST 1,778,934, OF SAID ZONE 5; THENCE IN A GENERALLY WESTERLY AND NORTHWESTERLY DIRECTION ALONG SAID 1,125.00 FEET CONTOUR LINE TO THE INTERSECTION OF SAID CONTOUR LINE WITH COURSE NO. 6 OF SAID RANCHO TEMESCAL, SAID INTERSECTION POINT HAVING APPROXIMATE GRID COORDINATES NORTH 361,817, EAST 1,774,073, OF SAID ZONE 5; THENCE SOUTHWESTERLY ALONG SAID COURSE NO. 6 TO THE INTERSECTION OF SAID COURSE WITH THE 1,125.00 FEET CONTOUR LINE, SAID INTERSECTION POINT HAVING APPROXIMATE GRID COORDINATES NORTH 359,626, EAST 1,771,063, OF SAID ZONE 5; THENCE IN A GENERALLY SOUTHERLY AND WESTERLY DIRECTION ALONG SAID 1,125.00 FEET CONTOUR LINE TO THE INTERSECTION OF SAID CONTOUR LINE WITH COURSE NO. 5 OF SAID RANCHO TEMESCAL, SAID INTERSECTION POINT HAVING APPROXIMATE GRID COORDINATES NORTH 357,687, EAST 1,769,225, OF SAID ZONE 5; THENCE SOUTH 16° 42' 17" WEST ALONG COURSE NO. 5 OF SAID RANCHO TO AN IRON PIPE WITH A 2 1/2 INCH BRASS CAP SET IN SAID COURSE NO. 5 OF SAID RANCHO, SAID POINT HAVE GRID COORDINATES NORTH 355,000.00, EAST 1,768,418.98, OF SAID ZONE 5; THENCE EAST ON A LINE TO THE INTERSECTION OF SAID LINE WITH THE 1,200.00 FEET ELEVATION CONTOUR LINE, SAID INTERSECTION POINT HAVING GRID COORDINATES NORTH 355,000.00, EAST 1,770,100, MORE OR LESS, OF SAID ZONE 5; THENCE IN A GENERALLY EASTERLY AND SOUTHERLY DIRECTION ALONG SAID 1,200.00 FEET CONTOUR LINE TO THE INTERSECTION OF SAID CONTOUR LINE WITH A LINE BEARING NORTH THROUGH A POINT HAVING GRID COORDINATES NORTH 350,500.00, EAST 1,772,500.00, OF SAID ZONE 5, SAID INTERSECTION POINT HAVING GRID COORDINATES NORTH 351,115 MORE OR LESS, EAST 1,772,500.00, OF SAID ZONE 5; THENCE SOUTH ON SAID LINE TO A POINT HAVING GRID COORDINATES NORTH 350,500.00, EAST 1,772,500.00, OF SAID ZONE 5; THENCE WEST A DISTANCE OF 250.00 FEET TO A POINT HAVING GRID COORDINATES NORTH 350,500.00, EAST 1,772,250.00, OF SAID ZONE 5; THENCE SOUTH A DISTANCE OF 1,500.00 FEET MORE OR LESS TO THE TRUE POINT OF BEGINNING.

Tax Rate Area
62009



14 feet- 0 inches by 9 feet 4 -inches or 162 sq. ft.





Staff Report

To: UWCD Board of Directors

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

From: Maryam A. Bral, Chief Engineer
Robert Richardson, Senior Engineer

Date: October 26, 2020 (November 10, 2020 Board Meeting)

Agenda Item: 4.4 **Resolution 2020-22** Designating authorization to United Water Conservation District's General Manager to Execute Utility Easement Deeds Related to the PTP Metering Replacement Project
Motion

Staff Recommendation:

Board will consider adopting Resolution 2020-22, authorizing General Manager to serve as its agent for the execution and acceptance of utility easement deeds related to the District's Pumping Trough Pipeline metering replacement project.

Discussion:

The District is working on acquiring utility easement deeds for various turnout locations on the PTP system in order to complete the PTP Irrigation Efficiency Meter Replacement Project (Capital Improvement Project No. 8022) and fulfill a grant requirement for the project.

Several utility easement deeds related to this project have been submitted to the Board for approval. Authorizing the General Manager to accept and execute utility easement deeds expedites the recordation process.

Fiscal Impact

The District would not incur any new costs related to this item.

Attachments: A – Resolution 2020-22

RESOLUTION 2020-22

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE UNITED WATER CONSERVATION DISTRICT
AUTHORIZING GENERAL MANAGER TO SERVE AS ITS AGENT
FOR THE EXECUTION AND ACCEPTANCE OF UTILITY EASEMENT DEEDS
RELATED TO THE DISTRICT'S PUMPING TROUGH PIPELINE
METERING REPLACEMENT PROJECT**

BE IT RESOLVED by the Board of Directors of the United Water Conservation District that General Manager Mauricio E. Guardado, Jr., is hereby authorized to serve as the Board's agent for the execution and acceptance of utility easement deeds related to the District's Pumping Trough Pipeline Metering Replacement project.

PASSED, APPROVED and ADOPTED this 10th day of November, 2020.

ATTEST: _____
Board President Michael W. Mobley

ATTEST: _____
Board Secretary Sheldon G. Berger



Staff Report

To: UWCD Board of Directors

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

From: Maryam Bral, Chief Engineer

Date: November 3, 2020 (November 10, 2020 Meeting)

Agenda Item: 4.5 **Resolution 2020-23** Adopting the Revised Owner Dam Safety Program dated October 2020
Motion

Staff Recommendation:

The Board will consider adopting Resolution 2020-23, approving the revised Santa Felicia Dam Owner Dam Program, revision 7, dated October 30, 2020.

Discussion:

The Board of Directors adopted Resolution 2012-15 on October 10, 2012 adopting the Santa Felicia Owner Dam Safety Program (ODSP) as a policy of the District to demonstrate its continued commitment to dam safety. The ODSP was prepared in accordance with the Federal Energy Regulatory Commission (FERC) Engineering Guidelines and formalized existing practices into a District policy.

FERC considers the ODSP a “living document” that requires to be updated continuously to include improvements to the dam safety program and changes in the organizational and staffing plan. Training, succession planning, program assessments, corporate accountability, and reporting structure are additional key elements of the ODSP. The ODSP, revision 7, dated October 30, 2020 has been revised to reflect the recent organizational changes in personnel and their responsibilities as well as updated monitoring information related to Santa Felicia Dam. A strikeout version of the revised ODSP is provided as Attachment B.

Fiscal Impact:

No additional fiscal impacts at this time. The ODSP is integral part of the District’s overall dam safety program.

Attachment A: Resolution 2020-23

Attachment B: Santa Felicia Dam, Owner Dam Safety Program (October 30, 2020) Rev. 7.0

RESOLUTION 2020-23

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE UNITED WATER CONSERVATION DISTRICT
ADOPTING THE REVISED OWNER’S DAM SAFETY PROGRAM**

WHEREAS, the United Water Conservation District (“District”) owns and operates Santa Felicia Dam; and

WHEREAS, the water stored behind Santa Felicia Dam benefits the water supplies of the District, but also has the potential to negatively affect lives and property below the Dam; and

WHEREAS, the avoidance of said negative affects has been, and is expected to continue to be, achieved through meticulous attention to Dam Safety; and

WHEREAS, on October 10, 2012 the Board of Directors of United Water Conservation District adopted Resolution 2012-15 a formal declaration of the District’s commitment to Dam Safety as policy;

WHEREAS, the abovementioned Resolution 2012-15 included the adoption of the Santa Felicia Dam Owner Dam Safety Program, a living document, requires the District to designate a Chief Dam Safety Engineer.

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

1. The District Board of Directors hereby adopts the revised Santa Felicia Dam Owner Dam Safety Program, dated November 10, 2020, as a policy of the District.
2. The foregoing recitals are true and correct and incorporated herein as if fully set forth.

PASSED AND ADOPTED THIS 10th DAY OF NOVEMBER , 2020

ATTEST: _____
Board President Michael W. Mobley

ATTEST: _____
Board Secretary Sheldon G. Berger



Critical Energy/Electrical Infrastructure Information ~~UNITED WATER CONSERVATION DISTRICT~~

SANTA FELICIA DAM (PROJECT NO. P-2153-CA) OWNER DAM SAFETY PROGRAM



~~October 30, 2020 Revised September 2019~~

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1.0 PURPOSE

1.1 Establish and define the Owner's Santa Felicia Dam, Dam Safety Program (ODSP) for a Federal Energy Regulatory Commission (FERC) licensed facility to ensure dam safety and compliance with FERC requirements for United Water Conservation District (District) and Santa Felicia Dam (Project No. P-2153-CA).

1.1.1 In particular, the Dam Safety Program is intended to ensure that Board of Directors, General Manager, District's employees, agents, and consultants have a complete understanding of, and a constant awareness of the need to fully comply with all necessary dam safety measures and requirements. The principles and policies of the Owner Dam Safety Program were adopted by the Board of Directors in Resolution No. 2012-15 on October 10, 2012.

1.1.2 The ODSP is intended to accomplish the objectives of this section by prescribing the following as to District's employees, agents and consultants:

- 1) Dam safety related training required of such individuals on a regular or as needed basis;
- 2) Protocols for communications by and among such individuals, and with FERC, DSOD and emergency management agencies, on dam safety related matters;
- 3) How dam safety related issues should be identified, and how dam safety related concerns should be resolved, within the District's organization;
- 4) Employees shall have no fear of reprisal for reporting dam safety concerns. Dam safety issues have priority over *"production or business objectives."*
- 5) Audits and assessments as to performance and quality of dam safety related operation; and
- 6) The record keeping required to implement the above.

1.2 Clearly state the policies and expectations of the management of the District regarding dam safety and regulatory compliance for FERC licensed and DSOD permitted facilities.

2.0 SCOPE

2.1 The requirements of the ODSP apply to District's Santa Felicia Dam, Hydroelectric Project No. P-2153-CA licensed by the FERC and permitted by the California Division of Safety of Dams (DSOD) (Permit No. 1005).

2.2 This program defines the ODSP for FERC Licensed Facilities and in conjunction with other District programs and procedures related to dam safety and regulatory compliance for FERC licensed hydroelectric plants. Appropriate procedures and documents related to dam safety and regulatory compliance shall be routed through the Chief Dam Safety Engineer to ensure compliance with this program.

2.3 Santa Felicia Dam is under the jurisdiction of the California Department of Water Resources Division of Safety of Dams (DSOD). DSOD inspects Santa Felicia Dam on a semi-annual basis to ensure the dam is safe, performing as intended, and is not developing problems. DSOD periodically reviews the stability of dams and their major appurtenances ~~in light of~~ considering improved design approaches and requirements, as well as new findings regarding earthquake hazards and hydrologic estimates in California. Nothing in the FERC ODSP shall reduce or supersede DSOD authority to regulate the safety of the dam.

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3.0 DEFINITIONS

3.1 Assessment - A documented routine review conducted to evaluate the performance or effectiveness of an activity.

3.2 Assistant General Manager – A senior executive manager of the United Water Conservation District. The Assistant General Manager reports directly to the General Manager and serves as the acting General Manager during the General Manager's absence. The Assistant General Manager oversees the Engineering and Groundwater Resources (Engineering), the Operations and Maintenance, and the Recreation Departments.

3.3 Audit - An objective examination and evaluation of dam safety and regulatory compliance or effectiveness.

3.4 Board of Directors – The Board of Directors of United Water Conservation District consisting of seven publically elected members. Each Director is elected to four-year term. The Board of Directors are responsible for ensuring that the District provides a work environment and resources that encourages employees to report dam safety issues without fear of reprisal.

3.5 Chief Dam Safety Engineer- The Chief Engineer of the District is the designated Chief Dam Safety Engineer with responsibility and authority to ensure the Dam Safety Program is fully implemented and to ensure that the standards are maintained for dam safety and regulatory compliance. The Chief Dam Safety Engineer or designee is the single point of contact for non-emergency regulatory communications from the District to FERC and reports directly to the Assistant General Manager. The Chief Dam Safety Engineer shall designate a qualified alternate to act in the absence of the Chief Dam Safety Engineer.

3.6 Chief Engineer – Professional Civil Engineer with the responsibility and authority to provide technical support to the entire District. Chief Engineer reports directly to the Assistant General Manager of the District. The Chief Engineer shall be licensed by the State of California.

3.78 Consultant - Professional Engineer, Geotechnical Engineer, Geologist, Hydrologist, or Professional Land Surveyor retained by District to provide professional services and expertise in the design, construction, operation, maintenance and safety of dams and hydropower facilities.

3.98 C.F.R. – Code of Federal Regulations.

3.940 Critical Energy Infrastructure and Privilege Information – The Santa Felicia Dam, Dam Safety Program (DSP) is a document containing **Critical Energy/Electrical Infrastructure Information (CEII), per 18 C.F.R. Section 388.113 and information contain in the document is considered privileged information.**

3.44-10 Dam - An engineered barrier constructed to contain a body of water, or control the flow or level, relative to the facilities described in Section 2.1.

3.42-11 Dam Safety Inspection - A scheduled of dam safety inspections performed in accordance with a documented inspection plan or checklist. These inspections ~~will be~~ are performed by Operations and Maintenance personnel, the District Engineering Staff, regulatory agencies and/or other qualified consultants.

3.4312 District – The terms “District”, “Owner”, “United” “UWCD” and “Licensee” shall mean the United Water Conservation District, the owner and operator of Santa Felicia Dam (FERC Project No. P-2153-CA and DSOD Permit No. 1005).

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3.4413 Division of Safety of Dams - The California Water Code entrusts the regulatory power for dam safety programs to the State Division of Safety of Dams (DSOD).

3.45-14 Emergency Action Plan (EAP) – Emergency Action Plan for Santa Felicia Dam as required by the FERC Engineering Guidelines.

3.156 Engineering – The terms “Engineering Department” and “Engineering” with regards to the ODSP shall mean designated District staff within the Engineering and Groundwater Resources Department responsible for implementing the policies and objectives of the ODSP.

3.167 Federal Energy Regulatory Commission (FERC) - Agency providing oversight to ensure dam safety and compliance with the FERC license for Santa Felicia Dam.

3.178 FERC Operational Inspection - An annual formal inspection conducted by the FERC. As required, the FERC inspection team will be supported by the District Operations and Maintenance staff and the Engineering staff.

3.189 FERC Part 12D Inspection - A formal inspection at five-year intervals to be conducted by the FERC approved Independent Consultant in conjunction with the Chief Dam Safety Engineer. The Part 12D investigation shall include an audit of the ODSP and to evaluate its effectiveness.

3.1920 General Manager – The executive manager of the United Water Conservation District. The General Manager reports directly to the seven-member Board of Directors.

3.2420 Independent Consultant - A third-party consultant, with a valid license to practice engineering in the State of California, contracted to perform the FERC Part 12-D Safety Inspection. An Independent Consultant (IC) may be a consultant contracted to perform specific duties other than the FERC Part 12-D Safety Inspection.

3.22–21 Modification(s) - Activities that change the physical features or design of the project from the state reflected in the plans or drawings or other documents filed with the FERC and DSOD.

3.223 ~~Engineering and Operations and Maintenance~~ Committee – The Engineering and Operations and Maintenance Committee is comprised of three members of the United Water Conservation District Board of Directors. The committee typically meets on a ~~quarterly-monthly~~ basis. The ~~Operations and Maintenance Manager/Chief Engineer/ Chief Dam Safety Engineer~~ is responsible for preparing meeting agendas and meeting minutes.

3.234 Operations and Maintenance Manager – the manager responsible for the operations and maintenance of District water production facilities including but not limited to Santa Felicia Dam. The Operations and Maintenance (O&M) Manager is responsible for maintaining the Santa Felicia Dam Emergency Action Plan (EAP) and coordinates training programs with the Chief Dam Safety Engineer. The O&M Manager reports directly to the Assistant General Manager. The Operations and Maintenance Program Supervisor reports directly to the O&M Manager.~~The Santa Felicia Dam operator reports directly to the O&M Manager.~~

3.245 Operations and Maintenance Program Supervisor - The supervisor responsible for the operations and maintenance of the Santa Felicia Dam facility. The Operations and Maintenance Program Supervisor will provide support to maintain the Emergency Action Plan (EAP) and supports coordination of training programs with the Operations and Maintenance Manager and Chief Dam Safety Engineer. The Operations and Maintenance Program Supervisor reports directly to the Operations and Maintenance Manager. The Santa Felicia Dam Operator reports directly to the Operations and Maintenance Program Supervisor.

3.2.65 Safety and Security Officer - The Safety and Security Officer is responsible for dam safety and security related issues, including support with submittal of annual FERC reports such as updates on the security program. The Safety and Security Officer reports to the Chief Engineer and O&M Manager if and when the Emergency Action Plan is activated.

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3.2.76 United Water Conservation District - the owner and operator of Santa Felicia Dam (Project No. P-2153-CA). The District is a public agency authorized and established under the Water Conservation Act of 1931(California Water Code Section 74000) and is governed by publically elected seven member Board of Directors.

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4.0 PROGRAM DESCRIPTION

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4.1 District Management Policies and Expectations

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4.1.1 It is the District's policy to maintain safe and environmentally compliant operation as its first priority. District employees and consultants shall implement this policy in the conduct of their work assignments.

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4.1.2 Production, water conservation operations or other business objectives shall not be allowed to compromise dam safety or regulatory compliance. The District shall incorporate this policy into the daily operations of Santa Felicia Dam through regular discussions and training sessions.

4.1.3 The performance evaluations for management and supervisory employees in the dam safety organization and in the operational organization will emphasize accountability for dam safety and regulatory compliance.

4.1.4 The dam safety program implements commitments to the FERC and DSOD to maintain compliance with Federal and State dam safety and regulatory requirements. Proposed changes to the requirements of this program shall be communicated in writing to the FERC Regional Engineer and DSOD Chief for review and written acceptance prior to implementation.

4.1.5 The objective of the Dam Safety Program for FERC licensed and DSOD permitted facilities is to assure continuing safe and compliant operation. These objectives include the requirement to use sound and prudent engineering practices in any action relating to the design, construction, operation, maintenance, use, repair, or modification of such projects (18 C.F.R. 12.5). These also include the requirement to notify FERC and DSOD about the following, in the manner specified in the cited regulations:

1) As to any condition affecting the safety of a project or project works (18 C.F.R. 12.10);

2) As to any modification to the project or project works (18 C.F.R. 12.11).

They further include the requirement to comply with all additional items specified in the license/permit applicable to the approved FERC and DSOD project.

4.1.5.1 Clearly communicate policies and expectations regarding dam safety and regulatory compliance.

4.1.5.2 Implement organizational changes to assure compliance with regulatory requirements for dam safety.

4.1.5.3 Define internal protocols for communications and for reporting dam safety issues (Appendices 3 and 6).

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4.1.5.4 Define protocols for communications and for reporting dam safety issues to FERC, DSOD, California Department of Water Resources (DWR), California Office of Emergency Services (Cal-OES), Ventura County Watershed Protection District (VCWPD), National Weather Service (NWS), and Ventura County Sheriff Office of Emergency Services (VCSO OES).

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4.1.5.5 Define the authority of the Chief Dam Safety Engineer. Maintain and improve dam safety training programs.

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4.1.5.6 Require internal and external audits and assessments to ensure compliance and to achieve an ongoing focus on dam safety and regulatory compliance.

4.1.5.7 Maintain and improve established Dam Safety Inspection Programs.

4.1.6 The District expects that its employees, agents and consultants performing services will fully comply with all of FERC and DSOD dam safety related requirements through established programs including:

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4.1.6.1 The annual FERC formal dam safety inspection and the FERC five-year Part 12D Dam Safety inspection.

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4.1.6.2 The semi-annual DSOD formal dam safety inspection.

4.1.6.3 The monthly visual inspection report (Appendix 4). The scour and undercutting below the spillway chute discharge is measured every six months and reported in the monthly visual inspection report of the month that the measurements are performed. The scour and undercutting below the spillway chute discharge is visually inspected every month.

4.1.6.4 The sixth and twelfth month operations and maintenance inspections.

4.1.6.5 Conduct special inspections and testing after significant high flow and seismic events.

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4.1.6.6 EAP tabletop and functional exercises, drills and EAP review as required by the FERC.

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4.1.6.7 Continue existing Dam Safety Monitoring Program which currently includes:

- Daily visual inspections of the abutments, dam embankment slopes, and the discharge channel below the dam.
- Instrumentation monitoring including:
 - Four (4) piezometer wells. As part of the 2020 Drilling Program Plan, seven (7) additional piezometers have been installed at the dam. The checklist in Appendix 4 will be modified to include the new piezometers readings.
 - Nine (9) survey monuments on the dam crest.
 - Forty-three (43) floor monuments and five (5) overhead dowels in the outlet tunnel.
 - Seven (7) sets of monitoring pins and nine (9) crack gauges in the outlet tunnel.
 - Four (4) sets of monitoring pins and two (2) crack gauges on the spillway retaining walls.

- Two (2) sets of monitoring pins on the spillway bridge.
- Two (2) USGS stream gauges for recording the reservoir inflows and outflow. A third gauge records the surface elevation and reservoir storage.
- Two (2) staff gauges for monitoring reservoir surface elevation at the spillway ogee weir crest.
- Spillway under drains and seepage flows are measured by hand using a container and a timer every six months as described above.
- Spillway wall heel drain flows are measured manually.
- Pressure transducers in the penstock to monitor abrupt changes in the reservoir water surface elevation.
- Alarms to monitor abrupt changes in the release rate and water surface at the USGS steam gauging station downstream of the dam and security cameras to monitor the crest, powerhouse, and spillway remotely.
- The discharges from the spillway sub-drains, the east and west heel drains, the north spring by the spillway crest, and the south spring by the discharge chute are measured monthly unless instructed to be monitored more frequently.

~~four piezometer wells; crack gauges and pins in the outlet tunnel, bridge, and spillway walls and; penstock expansion joints are monitored and measured every month unless instructed to monitor more frequently. The discharges from springs and under drains are measured monthly unless instructed monitor more frequently.~~

4.1.6.8 Maintain the SCADA system allows staff to monitor abrupt changes in reservoir elevation, inflow to the reservoir and outlet discharge. Monitoring also includes access to the Ventura County Sheriff's close circuit security cameras.

4.1.6.9 The District employs a professional land surveyor, with a valid license to practice in the State of California, to measure movement of the survey monuments in the dam crest, outlet tunnel, abutments and offsite control every two years.

4.1.6.10 The District will communicate these requirements to the applicable employees, agents and consultants in training sessions by providing a copy of this Dam Safety Program, discussing it in training sessions and otherwise as needed. The Chief Dam Safety Engineer or designee is authorized to determine the proper level of training required of such employees, agents or consultants based on their judgment as to the relevant factors, including but not limited to the following: prior experience, background, expected services to be performed for the District, and the impact of such services on dam safety and compliance with FERC and DSOD regulations. The Chief Dam Safety Engineer or designee shall coordinate training sessions with the Operations and Maintenance Manager.

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4.2 Program Quality Elements

4.2.1 The Chief Dam Safety Engineer, Engineering staff, O&M staff, including the Safety and Security Officer shall develop and implement quality management elements, including but not limited to:

4.2.1.1 Chief Dam Safety Engineer (or designee) independent review and approval of proposed modifications.

4.2.1.2 Written procedures to perform documented dam inspections (see Appendices 4 and 5). Note that the Santa Felicia Dam First Check Inspection Checklist included in Appendix 5 was formatted in January 2020 to enhance the clarity of the inspection procedure and reporting

4.2.1.3 Qualification standards for dam inspection personnel.

4.2.1.4 A formal Dam Safety Surveillance and Monitoring Report (DSSMR) which meets FERC and DSOD requirements.

4.2.1.5 An instrument calibration program.

4.2.1.6 Risk assessment to prioritize issues identified during inspections.

4.2.1.7 Training in accordance with the Training Plan for Dam Safety.

4.2.1.8 Retention of records.

4.2.2 The Chief Dam Safety Engineer will be responsible for performing internal audits and assessments. The Chief Dam Safety Engineer will be responsible for conducting audits and assessments of the implementation and effectiveness of the Dam Safety Program. These audits and assessments will include, but not be limited to, the effectiveness of the training and operational activities. If deemed necessary, the Chief Dam Safety Engineer may issue contracts for additional external audits of the District's compliance with the Dam Safety Program. These internal audits, as necessary, will be for the purpose of augmenting the regular FERC five year inspection cycle. Internal audits shall be performed, at a minimum, every even calendar year beginning in 2020. The findings of the audits shall be summarized in the annual Emergency Action Plan (EAP) Status Update.

4.2.3 The Chief Dam Safety Engineer shall issue contracts for external audits and assessments of the District's compliance with the Dam Safety Program. These audits and assessments will be performed by the Part 12D Independent Consultant every five years.

4.3 Organization, Duties, and Responsibilities

4.3.1 The Chief Dam Safety Engineer, or designee, shall perform the following duties and responsibilities:

— 4.3.1.1 Report directly to the Assistant General Manager of the District who in turn reports to the General Manager of the District (see organizational diagram, Appendix 6).

— 4.3.1.2 As necessary, the Chief Dam Safety Engineer shall promptly notify and the O&M Manager, the Safety and Security Officer and the Dam Supervisor regarding issues that could affect public safety or safe dam operations. In the event that the O&M Manager, the Safety and Security Officer or the Dam

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Supervisor is unavailable, the Chief Dam Safety Engineer shall notify one or more of the following personnel as necessary: the Assistant General Manager, the General Manager of the District and/or the President of the Board of Directors. The Chief Dam Safety Engineer shall be provided full protection from any reprisal for making these notifications or reports.

4.3.1.3 Act as the single point of contact for correspondence related to dam safety and regulatory compliance between the District, DSOD and FERC, except for immediate notifications required by Emergency Action Plans. The O&M Manager may need to contact FERC and/or DSOD on operational issues. The Chief Dam Safety Engineer and the O&M Manager shall coordinate as to all contacts with FERC and DSOD so that each is properly informed on a timely basis as to all relevant issues.

4.3.1.4 Provide oversight of engineering and operational activities related to dam safety, independent of the normal operating organization.

4.3.1.5 Work collaboratively with the operations and maintenance staff to ensure dam safety and regulatory compliance.

4.3.1.6 Provide annual updates of dam safety and compliance matters to the Board of ~~Operations-Directors, the Engineering and Operations~~ Committee, General Manager, Assistant General Manager, and appropriate operational management. Provide safety related updates to the Board of Directors at the regular scheduled monthly meetings. Updates related to dam safety and regulatory compliance related to Santa Felicia Dam are reported to the Board of Directors through Engineering monthly staff reports

4.3.1.7 Review and comment on the annual Emergency Action Plan updates.

4.3.1.8 Ensure Emergency Action Plan drills for the facility is evaluated for effectiveness, and implement improvements to Emergency Action Plans if needed. The Chief Dam Safety Engineer shall coordinate EAP drills and exercises with the Operations and Maintenance Manager.

4.3.1.9 Ensure a Dam Safety Training Plan is maintained and improved, as described in this program (see Appendix 2). The Chief Dam Safety Engineer shall coordinate training with the O&M Manager.

4.3.1.10 Take necessary corrective action when dam safety is in question. Issue an oral or written stop work order for operational activities or a plant shutdown order if necessary, to place an affected dam in a safe condition.

4.3.1.11 Conduct unannounced facility inspections, as deemed appropriate.

4.3.1.12 Ensure the Dam Safety and Surveillance and Monitoring Report (DSSMR) is prepared and submitted annually, as required by the FERC and described in this program.

4.3.1.13 Designate a qualified alternate to act in his or her absence, with the concurrence of the Assistant General Manager and the O&M Manager.

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4.3.1.14 Direct and supervise the Dam Safety Inspection Program for Santa Felicia Dam.

4.3.1.15 Ensure that the annual EAP Status Report for Santa Felicia Dam is prepared and submitted annually, as required by the FERC.

4.3.1.16 The Chief Dam Safety Engineer will provide assistance in performing internal assessments. The Chief Dam Safety Engineer, if deemed necessary, may issue contracts for additional external audits of the Dam Safety Program performed by third party consultants to augment the regular FERC five year inspection cycle.

4.3.2 Operation and Maintenance personnel at Santa Felicia Dam shall perform the following duties and responsibilities:

4.3.2.1 Work as a team with the Chief Dam Safety Engineer and the Engineering Staff to ensure dam safety and regulatory compliance.

4.3.2.2 Direct correspondence related to dam safety and regulatory compliance through the single point of contact, the Chief Dam Safety Engineer, except as required by the Emergency Action Plan.

4.3.2.3 Perform dam operations, maintenance, and inspection duties assigned by management. Supervise monthly inspections and periodic instrument readings.

4.3.2.4 Notify the Chief Dam Safety Engineer before a plant modification is made.

4.3.2.5 Notify the Chief Dam Safety Engineer if a condition is identified which potentially affects dam safety.

4.3.2.6 Maintain Emergency Action Plan and coordinate required drills.

4.3.2.7 If shutdown of equipment or the power plant is warranted due to safety or asset preservation issues, make that decision in a prompt manner, independent of any business objectives or requirements of District operations.

4.3.2.8 Immediately implement any stop work order for operational activities or plant shutdown order that is issued orally or in writing by the Chief Dam Safety Engineer.

4.3.3 The General Manager of the District, through the Assistant General Manager and/or directly through the Chief Engineer, provides the necessary policies, directives, and resources to assure safe and compliant operation of the FERC licensed and DSOD permitted facilities.

4.3.4 Operations and Maintenance personnel, Engineering or others who propose a modification affecting dam safety shall obtain independent review and approval by the Chief Dam Safety Engineer before implementation. Modifications to the dam and related facilities require FERC and DSOD approval.

4.3.5 The Board of Directors of the United Water Conservation District assures that the necessary resources are available for the safe and compliant operation of the Santa Felicia Dam. The Board is responsible for creating an environment and organizational culture that promotes dam safety that is has priority over "*production or business objectives*" through its policies and directives.

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4.4 Internal Communications and Reports

4.4.1 The Engineering Department, Operations and Maintenance Department, and other support personnel shall notify the Chief Dam Safety Engineer before a proposed facility modification is made. Additionally, operations supervisory personnel shall immediately notify the Chief Dam Safety Engineer or Engineering Staff if a condition is identified which potentially affects dam safety.

4.4.2 The following communication requirements shall be implemented by District personnel:

4.4.2.1 District employees and consultants engaged in operations or supporting activities shall report issues related to dam safety and regulatory compliance to their immediate supervisor.

4.4.2.2 Supervisors and managers shall take immediate action if necessary to address issues related to dam safety and regulatory compliance. Additionally, they shall promptly notify the Chief Dam Safety Engineer or Engineering Staff.

4.4.2.3 A Santa Felicia Dam Project Non-Conformance Report form is provided in Appendix 3 to record and resolve concerns or issues. Reported dam safety or regulatory compliance issues shall be recorded by a Santa Felicia Dam Non-Conformance Report and will be evaluated and resolved by the Chief Dam Safety Engineer and Engineering Staff, with corrective action taken if necessary. Permanent records shall be retained.

4.4.2.4 Any employee or consultant may document or orally convey concerns to the Chief Dam Safety Engineer and shall be provided full protection from any reprisal for communicating such concerns.

4.4.3 The Chief Dam Safety Engineer shall report directly to the General Manager or the Assistant General Manager and not to department responsible for the operation of Santa Felicia Dam.

4.4.4 The Chief Dam Safety Engineer shall regularly report dam safety and regulatory compliance issues to the General Manager, Assistant General Manager, the O&M Manager, ~~General Manager, the the Engineering and~~ Operations Committee and the Board of Directors of the District.

4.4.5 The Chief Dam Safety Engineer is required to promptly notify the O&M Manager, regarding issues that could affect public safety or safe dam operations. In the event that the O&M Manager or his subordinate is unavailable, the Chief Dam Safety Engineer shall notify one or more of the following personnel as necessary: the General Manager of the District; the Assistant General Manager; and/or the President of the District Board of Directors.

4.4.6 The Chief Dam Safety Engineer shall report dam safety and regulatory compliance issues and conduct meetings with senior management at least annually or more often if deemed necessary by the Chief Dam Safety Engineer. The attendees shall include the General Manager of the District, the Assistant General Manager, and the O&M Manager.

4.4.7 ~~The Chief Dam Safety Engineer will make an annual report to the Engineering and Operations Committee of the Board of Directors of the District. The Board Engineering and Operations Committee shall consist of three members of the Board of Directors. The report shall cover at a minimum the following subjects: dam safety issues, audit findings on dam safety, and ongoing improvement plans. The presentation to the Board Engineering and Operations committee will be maintained as a permanent record by the~~

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Chief Dam Safety Engineer. The Chief Dam Safety Engineer or ~~his~~ designee shall report to the District Board of Directors at its next regularly scheduled meeting concerning the annual report. The Chief Dam Safety Engineer will remain responsible for requiring and directing audits under this Dam Safety Program, and nothing in this section is intended to affect that responsibility.

4.5 External Communications and Reports

- 4.5.1 The Chief Dam Safety Engineer shall be the single point of contact for non-emergency regulatory reporting of dam safety issues. Except for those immediate communications required by emergency plans, communications related to dam safety and regulatory compliance between the District and the FERC shall be routed through the Chief Dam Safety Engineer.
- 4.5.2 The Chief Dam Safety Engineer shall provide a written report to augment the regular FERC Part 12D five year inspection cycle to the FERC Regional Engineer regarding the status and compliance of the subject facilities.
- 4.5.3 The Chief Dam Safety Engineer shall issue a written report to the FERC Regional Engineer within 60 days of completion of each additional external audit performed by the third-party Independent Consultants required by the ODSP to augment the regular FERC five year inspection cycle. The report shall include findings, corrective actions taken in response to the audit, and an assessment of District compliance with the ODSP, including the effectiveness of the Engineering Department. These audits are described in Section 4.8.2. The report shall further include a plan and schedule on how and when to carry out the recommendations of such an audit.
- 4.5.4 The Chief Dam Safety Engineer shall coordinate dam safety activities with organizations that affect the operation of the dam. These organizations include the California Department of Water Resources (DWR), Ventura County Watershed Protection District (VCWPD), and Ventura County Sheriff Office of Emergency Services (OES). The Operations and Maintenance Manager and the Dam Supervisor shall coordinate with DWR with regards to the normal day to day operations of Pyramid Dam and Castaic Dam.

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4.6 Authority of the Chief Dam Safety Engineer

The Chief Dam Safety Engineer shall be empowered with the following authority:

- 4.6.1 Order necessary corrective action if dam safety is in question. This authority includes the issuance of an oral or written stop work order for operational activities or an order for a plant shutdown, if necessary to place an affected dam in a safe condition. To remove any doubt, the Chief Dam Safety Engineer shall have the authority to direct any District employee, agent or consultant to take any action which in his/ her judgment is necessary to ensure dam safety, including action to shut down the operation of Santa Felicia Dam.
- 4.6.2 Conduct unannounced facility inspections.
- 4.6.3 Review and approve proposed modifications or changes to a dam structure, operating system, control system, or critical maintenance or operations procedures before implementation. This review and approval may be delegated to a qualified person or persons; however, the Chief Dam Safety Engineer maintains overall accountability for the review process.

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4.6.4 Approve dam safety instrumentation design for each applicable installation.

4.6.5 Request the use of external resources from consultants to assist with internal assessments performed by the Chief Dam Safety Engineer or Engineering Staff, if needed. Issue contracts for additional external audits, if needed, performed by third party consultants as required by the ODSP to augment the regular FERC five year inspection cycle. Refer to section 4.8.3 for additional details on the external audits.

4.6.6 Assure that audits and assessments to evaluate compliance with the ODSP required audits and assessments are completed in a timely and effective manner.

4.7 Training Plan for Dam Safety

4.7.1 A training plan is provided for personnel involved in the operation or modification of the facilities on a level appropriate to the assigned responsibilities (see Appendix 2). The Training Plan includes training for management, operations, maintenance, and engineering personnel as appropriate.

4.7.2 The training plan shall include the following features:

4.7.2.1 General and site-specific training focused on dam safety awareness and regulatory compliance.

4.7.2.2 Presentation of the District policies regarding dam safety and regulatory compliance.

4.7.2.3 Recognition of potential dam safety deficiencies.

4.7.2.4 Inspection and monitoring techniques.

4.7.2.5 Qualification standards for personnel conducting inspections, consistent with the nature and complexity of assigned duties.

4.7.2.6 Design control process requirements.

4.7.2.7 Personnel training records.

4.7.2.8 Modules for initial training and continuing training are identified in Appendix 2.

4.7.2.9 Review of Emergency Action Plans.

4.7.3 Effectiveness of the training plan shall be one of the subjects of internal assessments and external audits. Findings and corrective actions from these Assessments and Audits shall be included with the [five 5](#)-year Part 12-D Safety Report written to the FERC.

4.7.4 An outline of training modules is provided by Appendix 2.

4.7.5 In establishing and maintaining training programs, the Chief Dam Safety Engineer shall consider, and make use of, all appropriate materials, such as FERC's Part 12 regulations and its Engineering Guidelines for the Evaluation of Hydropower Projects.

4.7.6 Attendance at conferences, workshops and webinars sponsored by DSOD, FERC and other dam safety organizations such as the Association of State Dam Safety Officials (ASDSO), the United States Society on Dams (USSD), and the National Hydropower/Hydro Users Group (NHA/HUG) is encouraged.

4.7.7 Training shall extend down to the operator level.

4.7.8 Annual EAP review, drills, tabletop exercises, functional exercises, and EAP updates shall incorporate dam safety training as it applies to Santa Felicia Dam.

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4.7.9 Monthly operations and maintenance safety meeting shall incorporate dam safety issues whenever appropriate.

4.8 Audits and Assessments

4.8.1 Internal Assessments or Audits will be routinely conducted by the Chief Dam Safety Engineer and Engineering Staff. These Assessments or Audits will focus on operational compliance and improvement of the Dam Safety Program for FERC licensed and DSOD permitted Facilities. Internal assessments will be documented in the annual EAP Status Updated Report.

4.8.2 The Chief Dam Safety Engineer will be responsible for performing internal assessments. The Chief Dam Safety Engineer will also conduct audits and assessments of the implementation and effectiveness of the Owner Dam Safety Program. These audits and assessments will include, but not be limited to, the effectiveness of the Dam Safety Department and operational activities. If deemed necessary, the Chief Dam Safety Engineer shall issue contracts for additional external audits of District's compliance with the Dam Safety Program. These audits will be for the purpose of augmenting the regular FERC five-year inspection cycle.

4.8.3 External audits will be conducted by independent third-party consultants with expertise in hydro project safety and contracted by the Chief Dam Safety Engineer.

4.8.3.1 These audits will be scheduled during the regular scheduled 5-year FERC Part 12D inspection cycle.

4.8.3.2 The Chief Dam Safety Engineer shall issue a report to the FERC Regional Engineer within 60 days of completion of each additional external audit of this type. Prior to this time, the Chief Dam Safety Engineer shall instruct the third-party consultant to provide the issued written report for each external audit to the Regional Engineer at the same time that they are provided to the Chief Dam Safety Engineer.

4.8.3.3 These external audits will include the following:

A. Review operating and maintenance records for each facility to determine if proper notification procedures were followed.

B. Review Surveillance and Monitoring Plan reports for each facility to verify compliance with the FERC approved Surveillance and Monitoring Plan.

C. Review training records to verify that appropriate dam safety training is being provided in accordance with the plan.

D. Conduct interviews, examinations, or other methods to evaluate the effectiveness of training.

E. Interview the Chief Dam Safety Engineer; facility managers/supervisors; staff engineers and dam operators to determine their understanding of the Owner Dam Safety Program and the implementation of their respective responsibilities.

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4.9 Dam Safety Inspection Program

4.9.1 The Chief Dam Safety Engineer shall supervise the Owner Dam Safety Inspection Program for FERC licensed and DSOD permitted facilities. The descriptions of inspections to be performed are listed in Section 4.1.6. The inspection program shall conform to the Dam Surveillance and Safety Monitoring Report (DSSMR). The inspection program documentation shall outline the frequency and type of inspections to be performed. The inspection program documentation outlines the instrumentation monitoring and assessments that will be part of the inspections.

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5.0 RECORDS

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	RECORD TYPE	RESPONSIBLE GROUP	RETENTION PERIOD	LOCATION
5.1	Santa Felicia Dam Nonconformance Report Form	Chief Dam Safety Engineer	Life of the facility plus 10 years	Hard copy files in the custody of the Chief Dam Safety Engineer and at the facility. Digital retention at the District Headquarters
5.2	Records generated by inspection procedures, training plans and other support activities	Chief Dam Safety Engineer, Dam Operator and O&M Manager	Specify by originating procedures and programs	Retention shall be at the facility, and/or in custody of the Chief Dam Safety Engineer. Digital retention at District HQ.
5.3	Monthly Inspections Reports	Chief Dam Safety Engineer and Dam Operator	Life of the facility plus 10 years	Hard copy files in the custody of the Chief Dam Safety Engineer and Dam Operator's office. Digital retention at District HQ
5.4	Emergency Action Plan	O&M Manager and District Safety <u>and Security</u> Officer	Specify by originating procedures and programs	Hard copy files in the custody of the Chief Dam Safety Engineer and O&M personnel. Digital retention at District HQ.
5.5	All correspondence between the District and FERC related to Santa Felicia Dam.	Chief Dam Safety Engineer and District Administrative Staff	Life of the facility plus 10 years.	Hardcopy files in custody of Chief Dam Safety Engineer. Hard copy files and digital record retention at District HQ.

Record keeping should be at least for the life of the facility (18 CFR, part 125.21) and should comply with 18 CFR Part 12.12.

6.0 SUCCESSION PLANNING

Assuring the continuation of a qualified chief dam safety engineer and a qualified staff is a critical element of a successful dam safety program. The designated Chief Dam Safety Engineer shall be responsible for training the Engineering staff in all aspects of dam safety such that any engineering staff member is able and qualified to fill the role of the chief dam safety engineer should the position become vacant. Whenever possible the District shall designate a successor prior to the position becoming vacant to facilitate training and a seamless transition.

Likewise, the Operations and Maintenance personnel shall be crossed trained to ensure a seamless transition when positions become vacant. Whenever possible the District should determine if vacant positions can be filled from within the organization, thereby retaining the institutional knowledge of the facility. Whatever position becomes vacant the District shall fill that position based on the person's qualifications for the position to be filled.

7.0 CONTINUOUS IMPROVEMENT

The ODSP shall be periodically reviewed to assure that it reflects the current staffing and organization structure of the District and incorporates the lessons learned from the ongoing implementation of the program, information gathered from dam safety inspections and operating history, changes in the state-of-practice in dam safety, knowledge gained from training and the study of case histories of incidents and failures from the audits of the dam safety program. Reviews and updates will be documented in the annual EAP Status Update Report.

The Santa Felicia Dam Owner's Dam Safety Program was prepared under the supervision of:

Maryam A. Bral, PhD, PE
Chief Engineer
Chief Dam Safety Engineer
United Water Conservation District

Distribution:
General Manager
Assistant General Manager
Chief Engineer
Engineering Staff (4)
Operations and Maintenance Manager
Operation and Maintenance Program Supervisor
Safety and Security Officer
SFD Dam Operator
SFD Staff (3)
Saticoy Staff (4)
Lake Piru Park Service Supervisor
UWCD Library
FERC Regional Engineer
DSOD Chief

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8.0 REFERENCES

- 8.1 Correspondence: Federal Energy Regulatory Commission, Office of Energy Projects, Division of Dam Safety and Inspection- San Francisco Regional Office, to Mr. Tony Blankenship, dated June 11, 2008. Subject: Owner's Dam Safety Plan
- 8.2 Correspondence: Federal Energy Regulatory Commission, Office of Energy Projects, Division of Dam Safety and Inspection- Washington DC Office, to Mr. Michael Solomon, dated May 3, 2012. Subject: Owner's Dam Safety Program
- 8.3 Correspondence: Federal Energy Regulatory Commission, Office of Energy Projects, Division of Dam Safety and Inspection- San Francisco Regional Office, to Mr. E. Michael Solomon, General Manager, dated June 08, 2012. Subject: Schedule of Submittal of Owner's Dam Safety Program Documentation.
- 8.4 Correspondence: Federal Energy Regulatory Commission, Office of Energy Projects, Division of Dam Safety and Inspection- San Francisco Regional Office, to Mr. E. Michael Solomon, General Manager, dated June 03, 2013. Subject: Owner's Dam Safety Program (ODSP), response to ODSP submittal.
- 8.5 Correspondence: Federal Energy Regulatory Commission, Office of Energy Projects, Division of Dam Safety and Inspection- San Francisco Regional Office, to Mr. E. Michael Solomon, General Manager, dated September 16, 2013. Subject: Owner's Dam Safety Program - Revision.
- 8.6 United Water Conservation District Board of Director's Resolution No. 2012-15 adopted on October 10, 2012.
- 8.7 Correspondence: Mr. Anthony Emmert, Deputy General Manager, United Water Conservation District to Mr. Andrew Ludlum, Foreperson, Ventura County Grand Jury dated January 22, 2018. Subject: Santa Felicia Dam Safety Improvement Projects.
- 8.8 Report: "United Water Conservation District, 2018 Santa Felicia Dam, Tabletop Exercise After-Action Report (FERC P-2153-CA)," dated May 10, 2018.
- 8.9 Report: "Ventura County Grand Jury, 2017-2018 Final Report, Ventura County Dam Safety," dated May 10, 2018
- 8.10 Correspondence: Federal Energy Regulatory Commission, Office of Energy Projects, Division of Dam Safety and Inspection- San Francisco Regional Office, to Mr. Mauricio Guardado, General Manager, dated June 7, 2018, Subject: Owner's Dam Safety Program Revision 3.0.
- 8.11 Correspondence: Ms. Christy Ramirez, Executive Coordinator, United Water Conservation, Response to Grand Jury Report Ventura County Dam Safety, dated August 8, 2018.
- 8.12 "Santa Felicia Dam Emergency Action Plan, State Dam No. 1005-000, Federal No. 2153-CA (Revision 6.2)", dated May 4, 2018 (or latest revision).
- 8.13 "Santa Felicia Dam Supporting Technical Information, Project 2153-CA, NATDAM No. CA0085 (Revision 1.1)," dated January 2017 (or latest revision. [Note – the 2019 revision was submitted to FERC using the e-filing submittal system on October 23, 2020](#)).

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- 8.14 Correspondence: Mr. James D. Grisham, Engineering Manager, United Water Conservation District, to Mr. Frank Blackett, Regional Engineer, dated December 5, 2018, Subject: Santa Felicia Dam Owner's Dam Safety Program (P-2153).
- 8.15 Correspondence: Federal Energy Regulatory Commission, Office of Energy Projects, Division of Dam Safety and Inspections – San Francisco Regional Office, to Mr. Mauricio Guardado, General Manager, dated October 21, 2019, Subject: Re: Revised Owners Dam Safety Program (ODSP).
- 8.16 Correspondence: Mr. Mauricio Guardado, General Manager, United Water Conservation District, to Mr. Frank Blackett, Regional Engineer, dated November 18, 2019, Subject: Santa Felicia Dam Owner's Dam Safety Program (P-2153).
- 8.17 Correspondence: Federal Energy Regulatory Commission, Office of Energy Projects, Division of Dam Safety and Inspections – San Francisco Regional Office, to Mr. Guardado, General Manager, dated June 10, 2020, Subject: Re: Revised Owners Dam Safety Program (ODSP).
- 8.18 Correspondence: Dr. Maryam Bral, Chief Engineer, United Water Conservation District, to Mr. Frank Blackett, Regional Engineer, dated September 20, 2019, Subject: Santa Felicia Dam Owner's Dam Safety Program (P-2153).

9.0 APPENDICES

- 9.1 Appendix 1, United Water Conservation District, Mission Statement, Operational Responsibility
- 9.2 Appendix 2, Dam Safety Training Outline, Dam Safety Training Module Content Description
- 9.3 Appendix 3, Santa Felicia Dam Project Non-Conformance Report Form
- 9.4 Appendix 4, Visual Inspection Checklist of Santa Felicia Dam (Monthly Inspection Report)
- 9.5 Appendix 5, Santa Felicia Dam First Check Inspection Checklist, (Santa Felicia Dam EAP)
- 9.6 Appendix 6, Santa Felicia Dam Non-Conforming Reporting Structure
- 9.7 Appendix 7, Resumes of the Chief Dam Safety Engineer and Support Staff

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Appendix 1
United Water Conservation District

Mission Statement

United Water Conservation District shall manage, protect, conserve and enhance the waters of the Santa Clara River; its tributaries and associated aquifers.

Operational Responsibility

The employees of the United Water Conservation District are entrusted with the responsibility and privilege to operate the District's facilities in a safe, reliable, and efficient manner according to established District policies and procedures. The daily operating practices must always place public safety, personnel safety, and environmental compliance above other performance goals of the District.

The management of the District has the responsibility and authority to implement this standard throughout the operating organization.

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Appendix 2

Dam Safety Training Outline

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I. The Training Plan is provided to personnel involved in the operation and/or modification of the Santa Felicia Dam facilities on a level appropriate to the assigned responsibilities. The Training Plan includes training for management, operations, maintenance, and engineering personnel, as appropriate.

II. Training consists of needed initial training modules and continuing training modules if additional training needs are identified.

A. Continuing training may include training modules with modified content to focus on training needs identified during audits and assessments.

B. A training schedule will be established which identifies required attendees.

IV. Qualification standards and training requirements have been established for personnel, consistent with the nature and complexity of their assignments.

V. Training and qualification records shall be established for each applicable person in the organization and supporting organizations.

VI. Additional or revised training modules will be developed and presented based upon training needs identified by tests, training evaluation and feedback, and the findings of Assessments and Audits.

VII. The list of training modules in the following table describes content for initial and continuing training.

VIII. Dam safety training shall be provided at the monthly Operations and Maintenance safety meetings when appropriate. Training shall focus primarily on the various components of the Emergency Action Plan. Training shall also be incorporated into the annual drills, table top exercise and EAP review.

IX. Operation and Maintenance, Engineering, Administrative and Park Service personnel will be required to complete and various conferences and webinars on dam safety as directed by the Chief Dam Safety Engineer.

Appendix 2

Dam Safety Training Module Content Description

Training Module	Description of Content
Dam Safety Awareness (Annually, all O&M, Engineering, Park Service employees)	Emphasize the importance of dam safety; provide information on the major features of Santa Felicia Dam; describe the consequences of the dam failure. Provide an overview of the District's Owner's Dam Safety Program. Discuss the reporting structure and the Chief Dam Safety Engineer Function. The training shall be incorporated into the annual EAP exercises and reviews.
UWCD Dam Safety Policy (Monthly, all O&M, Engineering, Park Service employees)	District Policy regarding dam safety. The training shall be incorporated into the annual EAP exercises and reviews.
Identification of Visual Dam Safety Deficiencies (Annually, all O&M, Engineering, Park Service employees)	Provide guidelines of visual detection of some the more common dam deficiencies. Review the facility inspection plan and discuss individual responsibilities. All dam personnel and off-hour duty operators shall be trained to perform visual inspection of the facility.
Inspection of Embankment Dams (Annually, all SFD personnel and duty operators)	Provide guidance on how to inspect the slopes, crest, interior and adjacent areas of an embankment dam and identifying deficiencies. All dam personnel and off-hour duty operators shall be trained to perform visual inspection of the facility.
Inspection of Concrete Dams and Spillways (Annually, SFD, Park Rangers, Engineering Personnel)	Provide guidance on how to inspect the faces, crest, interior, and adjacent areas of the parapet wall, tunnel, spillway, and spillway bridge.
Instrumentation (Annually as required)	Explain the purpose of instrumentation and describe how the instruments work. Provide instruction on proper instrumentation reading and data recording. Review installed facility instrumentation and what they monitor. The training shall be incorporated into the annual EAP exercises and reviews.
Emergency Action Plan (Monthly, all O&M, Engineering and selected Admin. Employees)	Mandatory review of the EAP with discussion of individual responsibilities and site specific issues. EAP topics are included in the Monthly O&M safety meetings.
Webinars/Conferences (4 to 8 hours annually)	Selected O&M personnel are required to attend or participate in formal training session outside the District.
Personal Development Hours (PDH)	O&M, Engineering and Park personnel are required to complete 30 to 45 PDH per renewal period when renewing water treatment, water distribution and engineering certificates/licenses. PDH's may include issues applicable to dam safety.

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Dam safety and inspection training shall be incorporated into the annual EAP drills, table top exercises, functional exercises and EAP reviews. Operation and Maintenance personnel shall be crossed trained in the essential aspects of dam safety as it applies to Santa Felicia Dam.

Appendix 3
Santa Felicia Dam Project Non-Conformance Report Form

Santa Felicia Dam Project Non-Conformance Report	
Identify the affected project/facility:	
Date of Report:	
Name and phone number of Initiator:	
Problem Description/Affected Area:	
Review and Disposition by Chief Dam Safety Engineer/Engineering Staff	
Problem Report Log #	
Review and Evaluation:	
Immediate Corrective Action (mark N/A if none):	
Disposition: <input type="checkbox"/> Rework <input type="checkbox"/> Repair <input type="checkbox"/> Use as is <input type="checkbox"/> Reject <input type="checkbox"/> Reportable to FERC	
Statement of Completed Action:	
Action Completed by:	Date:
Distribution: <input type="checkbox"/> Dam Operator <input type="checkbox"/> O&M Manager <input type="checkbox"/> Chief Engineer <input type="checkbox"/> Assistant General Manager <input type="checkbox"/> General Manager	

Appendix 4

UNITED WATER CONSERVATION DISTRICT

Visual Inspection Checklist of Santa Felicia Dam

Schedule: Perform monthly under normal operating conditions. If unusual conditions are seen or high reservoir (Elevation 1055.00), perform daily until conditions stabilize. If your answer needs a comment or explanation, space is provided on the back pages, use more pages if needed.
Revised 8/12/2016

Inspector:	Time:	Date:
Reservoir Elevation:	Weather:	Temperature:
Release in CFS:	Hydro Status:	

		No	Yes
1. CREST OF DAM			
a. Any cracks, either transverse or longitudinal?			
b. Any scarps, sinkholes or areas of unusual settlement?			
c. Sight down the parapet wall, is there any cracks or deflections?			
2. DOWNSTREAM SLOPE OF DAM			
a. Any new seepage areas or wet area?			
b. Any materials being transported by seepage flows at new seepage area (such as discolored seepage water or sediment deposits)?			
c. Any scarps, sinkholes, sloughs, slides or areas of unusual settlement?			
d. Any brush that needs to be removed?			
e. Any rodent activity on downstream or upstream slopes?			
If the answer is yes, are there adequate bait stations?			
3. UPSTREAM SLOPE OF DAM			
a. Any serious shifting of rock facing?			
b. Any significant erosion due to wave action?			
c. Any whirlpools in the reservoir?			
d. Any debris or brush that needs to be removed?			
4. DOWNSTREAM TOE AREA, ABUTMENTS AND OTHER AREAS DOWNSTREAM			
<p>Note: Extend the inspection to all areas within 50 feet of the toe of the dam and all the way up both abutment groins and within 50 feet either side of the groins. Inspection for seepage and sediment in the creek channel should be performed during low flows and be extended along the creek channel for at least 300 feet. Approximately from the cone valves to USGS Weir.</p>			
a. Any new seepage areas or wet areas?			
b. Any cracks, sinkholes, sloughs or areas of unusual settlement?			
c. Any new seepage areas along the banks of the creek channel?			
d. Any new sediment deposits along the banks of the creek channel?			

	No	Yes
5. OUTLET WORKS		
a. Any new or enlarged cracks or spalls in the concrete? Release Active.		
b. Any unusual deformations or displacements? Release Active.		
c. Any unusual flow patterns or conditions during releases?		
d. Any hydraulic leaks on the cone valve operators?		
e. Any new seepage from the penstock?		
f. Cone valves operational?		
g. Hydraulic power unit operational?		
h. Maintenance performed on Hydraulic unit?		
i. Accumulator has satisfactory charge? Release Active.		
j. Hydro Plant operational?		
6. TUNNEL, VALVE VAULT AND 72 INCH BFV.		
a. Any new cracking in the tunnel?		
b. Tunnel lighting satisfactory?		
c. Tunnel intercom system operational?		
d. Ventilation system operational?		
e. Any new or existing seepage? (See Page 4)		
f. Any hydraulic leaks in the 72" BFV vault?		
g. Scheduled maintenance performed on the 72" BFV?		
h. Manual hydraulic unit for 72" BFV operational?		
7. SPILLWAY		
a. Any new or enlarged cracks or spalls in the concrete?		
b. Any unusual deformations or displacements?		
c. Drains clear of debris or sediment?		

				No	Yes
8. SPILLWAY BRIDGE					
a. Does the bridge appear to be sound for vehicle traffic?					
9. ADDITIONAL INFORMATION					
Piezometer Well No.	Date	Distance to Water	Elevation		
Piezometer Well 1					
Piezometer Well 2					
Piezometer Well 3					
Piezometer Well 4					
Reservoir Elevation (Visual)		Data Logger Elevation:			
Spillway Sub-Drain East		Amount of Water:			
Spillway Sub-Drain West		Amount of Water:			
Spillway Sub-Drain No. 1		Amount of Water:			
2		Amount of Water:			
3		Amount of Water:			
4		Amount of Water:			
Spillway Springs; West Abutment:					
North Spring by Spillway Crest		Amount of Water:			
South Spring; Discharge Chute.		Amount of Water:			
Projects and Tasks					

<p>Projects and Tasks:</p>

[illegible]**Explanation or Comments:**[illegible]

[illegible]

EAST SPILLWAY SW1 WALL MEASUREMENTS

Measurements taken with Red Electronic Level located in SFD Main Office

Unit of measure is degree of slope, % of slope, record direction of slope

Date_____

EAST SIDE OF EAST SPILLWAY WALL

Screen of Level facing North, laser end of level pointing up.

Measure taken on wall just below SW1

North_____degree_____ % Direction_____

South_____degree_____ % Direction_____

WEST SIDE OF EAST SPILLWAY WALL

Screen of Level facing South, laser end of level pointing up.

Measure taken on wall below SW1 from Spillway

North_____degree_____ % Direction_____

South_____degree_____ % Direction_____

SFD EAP Inventory

Date: _____

Comments/Corrective Action

UWCD Radio		
SAT Phone		
EAP Binder		
Batteries		
Clerical Supplies Writing Utensils, Notepads, Etc.		
Inspection Supplies Well Sounder, Laser Level, Calipers, 8 oz Cup, Stopwatch, Backpack, Sample Bottles		
Lamps 1,000,000 candle Corded and Cordless, Extra Flashlights		
Hand Tools Hacksaw/Blades, 5' and 3' Pry Bars, Adjustable Wrench, Adjustable Pliers		
Caution Tape/Flagging		
White Latex Paint # of GAL		
Fuel Tank Level Gasoline		
Diesel		
EAP Vehicle Fuel Level		
Food/Water 4 ppl, 3 days		
Materials Adequate Sand/Bags, Base, CMP?		
Additional Comments:		

Inspected By: _____

Appendix 5



Appendix 5
Santa Felicia Dam

First Check Inspection Checklist

When to perform an Inspection:

- After ground shaking is severe enough to knock over objects.
- After a 6.0+ earthquake anywhere in Southern California.
- After a 5.0+ earthquake within 36 miles of the dam.
- When requested by United Water Conservation District (United) staff.

<u>Name</u>		<u>Date</u>		<u>Time</u>	
-------------	--	-------------	--	-------------	--

Summary of Event	
-------------------------	--

After the earthquake or event, make contact with pertinent United staff. Inform them about your location and your plans to inspect the Dam. Take the initiative and go!

Make sure you to take binoculars, a radio or a cell phone and a copy of this form with you.

☐ Maintain communications with United staff and report your findings as you go.

<u>Starting from</u>		<u>Contact(s) Established</u>	<u>Yes ~ No</u>	<u>Arrival time</u>	
----------------------	--	-------------------------------	-----------------	---------------------	--

☐ Check the **spillway bridge** before crossing it. If unsafe to drive, walk across. If impassable, utilize the lower access road through Rancho Temescal.

Observations	
---------------------	--

☐ Go to the **monument parking lot**. Look the Dam over. Listen for unusual noises. Sight down the parapet wall and guardrail on the crest, check asphalt. Note any cracks or deflections. Report findings to United staff.

Observations	
--------------	--

Santa Felicia Dam

First Check Inspection Checklist

Page 2 of 2

- ☐ Using binoculars, look down the west abutment to the tunnel portal. If observed, report the depth and color of any water flowing out of the tunnel. If the penstock and Hydro-plant area is flooded, look for water flowing into the area or for boils nearby. Report your findings. Pick up the gear from the Santa Felicia Dam (SFD) shop, if necessary.

Observations	
--------------	--

- ☐ Check the Hydro-plant, cone valves, and low-flow release valves. Note any muddy or brown colored water coming out of the cone valves, low-flow release valves, and tailrace. Report findings to United staff.

Observations	
--------------	--

- ☐ Return to the Monument area. Travel the Dam crest looking on the upstream face and abutments for any abnormalities (i.e., whirl-pooling, rock deformation). Return, looking at the downstream face and abutments for any cracks, cratering or leaks. Report findings to United staff.
- ☐ From the monument area, using binocular visually check the spillway for damage or major cracks.

Observations	
--------------	--

- ☐ Upon First Check Inspection completion, notify United staff of findings.
- ☐ Stand by until you receive the OK to leave. Further inspection may be required and performed by others. Point out areas needing further inspection or not completed.

Fill out this form before leaving.

Time

Notes

IF FLOODING IS IMMINENT, PROCEED TO HIGHER/SAFER GROUND (LAKE PIRU OVERLOOK ELEVATION 1173') REPORT IMMINENT FAILURE OF THE DAM AND, IF NECESSARY, ACTIVATE THE SIREN. AWAIT FURTHER INSTRUCTIONS.

Santa Felicia Dam First Check Inspection Checklist (Santa Felicia Dam EAP)

Name _____ Date _____ Time _____
Summary of Event _____

When to perform an inspection: 1) After the EAP has been activated 2) After ground shaking severe enough to knock over objects. 3) After a 6.0+ earthquake anywhere in Southern California. 4) After a 5.0+ earthquake within 36 miles of the dam. 5) When requested by UWCD staff.

⊕ After the earthquake or event, make radio contact with other United staff. Advise them where you are and of your plans to inspect the dam. Take the initiative and go!

Maintain radio contact and report your findings as you go.

Starting from _____ **Radio Contact Y N** **Time to arrive** _____

⊕ Check the spillway bridge before crossing it. If unsafe to drive, walk across. If not crossable, drive the long way around via the Temescal gate. **Observations** _____

⊕ Go to the monument parking lot. Look the dam over. Listen for unusual noises. Report to United staff by radio. Pick up the gear from the SFD shop, if necessary.

Observations _____

⊕ Walk down the west abutment to the tunnel portal. Report the depth and color of any water flowing out of the tunnel. If the penstock and hydro power plant area is flooded, look for water flowing into the area or for _____ boils _____ nearby. Report _____ your _____ findings.

Observations _____

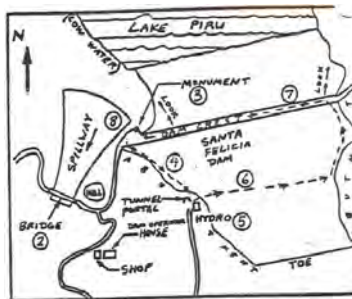
⊕ Check the Hydro power plant, cone valves, and low flow release valves. Note water coming out of the cone valves, low flow release valves, and tailrace. It's probably normal operation. Report any muddy or brown _____ colored _____ water.

Observations _____

⊕ Walk the dam toe and abutments using the route indicated on the map to the right. Report any water flowing out of the dam or foundation. Note the color of the water. If raining, look for the source of any runoff. There should not be much rain runoff from the dam or abutments. Report any cracks in the dam or abutments. Mark observations on the map.

⊕ Sight down the parapet wall on the crest of the dam. Note any cracks or deflections. Look for cracks in the asphalt.

⊕ From the monument area, visually check the spillway for damage or major cracks.



Observations _____

Ⓢ Radio United staff and the Sheriff's office to report status of the dam. Time _____

Ⓢ Stand by until you receive the OK to leave. Further inspections may be done by others. Point out areas for further inspection or not inspected. Fill out this form before leaving.

NOTES _____

IF FLOODING IS IMMINENT, GO TO PIRU CYN RD OR CLIMB TO THE TOP OF THE HILL BETWEEN THE SPILLWAY AND THE DAM. REPORT IMMINENT FAILURE OF DAM AND IF NECESSARY ACTIVATE THE ALARM. WAIT FOR FURTHER INSTRUCTIONS.

(Santa Felicia Dam EAP, Table 1)

Observation	What it probably Means	What to do
Spillway bridge has failed	Does not impact dam integrity. Non-Failure	Go around the failed bridge to continue the inspection.
Water flowing or boiling out of the dam surface or nearby foundation	The dam embankment is damaged and Imminent Failure from erosion likely	Call sheriff's watch commander, activate EAP notification procedures for Imminent Failure. Evacuate to high ground.
Sloughing or sagging of the dam face or crest, but no water flowing out	Dam has been damaged, but is still holding water. Potential Failure	Call sheriff's watch commander, activate EAP notification procedures for Potential Failure. Start draining the reservoir if safe. (Note 1)
Large cracks in the dam, but no water flowing out	Dam has been damaged, but is still holding water. Potential Failure	Call sheriff's watch commander, activate EAP notification procedures for Potential Failure. Notify staff, complete the inspection if safe, and stand by. If in doubt, start draining the reservoir if safe. (Note 1)
Landslides deposited on the dam or foundation	Should not affect dam integrity. Non-Failure	Notify staff, complete the inspection if safe, and stand by. If in doubt, start draining the reservoir if safe. (Note 1)
White spray coming out of the cone valves, low flow release valves, or clean water flowing out of the hydro tailrace	Probably normal operation	Continue the inspection procedure.
Clean water flowing out of the tunnel, overflowing the hydro power plant site	The penstock has failed. The reservoir will drain at up to 880 CFS until it is dry. Potential Failure	Notify sheriff's watch commander. Activate EAP notification procedures for Potential Failure. Complete the inspection if safe, stand by and watch for dirty water. Staff to attempt to close the 72" BF valve. (Note 1)

Dirty brown water flowing out of the tunnel, overflowing the hydro power plant site

The tunnel has failed. The dam is in danger of **Imminent Failure**

Call sheriff's watch commander, activate EAP notification procedures for Imminent Failure. Evacuate to high ground.

First Response to Modes of Failure (cont.)

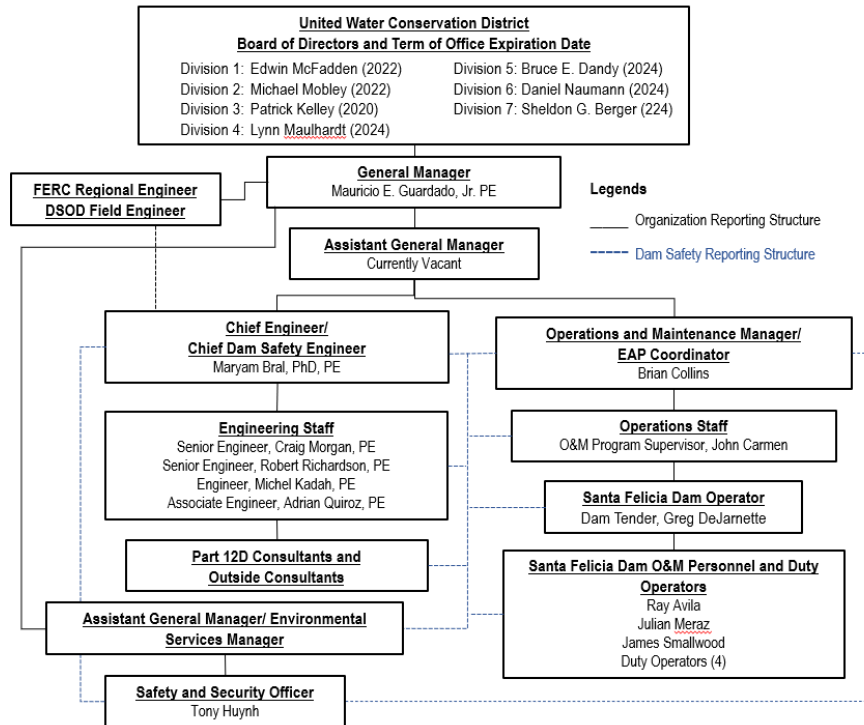
(Santa Felicia Dam EAP, Table 1)

Observation	What it probably Means	What to do
Large flow of water leaking out of the toe of the dam	The dam is in danger of Imminent Failure	Call sheriff's watch commander, activate EAP notification procedures for Imminent Failure. Evacuate to high ground.
Spillway structure damaged but no water is flowing out	Does not affect Dam integrity depending on the reservoir elevation and location of the structural damage. Non-Failure	Check under drains for unusual discharge. Notify staff, complete the inspection, and standby. The spillway is damaged but still holding water.
Cracks in asphalt roadway or block wall on crest	Moderate damage. Non-Failure	Notify staff, complete the inspection, and stand by.
Water flowing over the spillway crest	Does not affect Dam integrity up to elevation 1070 is safe High-Flow	Notify staff, activate EAP notification procedures for High-Flow. Look for indications of head cutting or slab failure. Check to see if storm debris is blocking the spillway crest. Check the spillway walls for stability and overtopping. Stand by and observe flows.

Note 1: District staff to initiate emergency notifications if appropriate.

Appendix 6

**UNITED WATER CONSERVATION DISTRICT
SANTA FELICIA DAM NON-CONFORMING
REPORTING STRUCTURE**



**UNITED WATER CONSERVATION DISTRICT BOARD OF DIRECTORS
AND TERM OF OFFICE EXPIRATION DATE**

Division 1: Edwin McFadden (2022)	Division 5: Bruce E. Dandy (2020)
Division 2: Michael Mobley (2018)	Division 6: Daniel Naumann (2020)
Division 3: Robert Eranio (2020)	Division 7: Sheldon G. Berger (2020)
Division 4: Lynn Maulhardt (2020)	

**FERC REGIONAL ENGINEER
DSOD FIELD ENGINEER**

GENERAL MANAGER
Mauricio E. Guardado, Jr., PE

REV 76.0



Appendix 7

UNITED WATER CONSERVATION DISTRICT RESUME OF THE CHIEF DAM SAFETY ENGINEER

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Name: Maryam A. Bral
Position: Chief Engineer
Years of Experience: 2018 years (over 2 years~~11 months~~ with United Water Conservation District)
Education: Bachelor of Science, Chemical Engineering,
Master of Science, Chemical/ Civil Engineering
Doctor of Philosophy, Civil Engineering
Technical University of Denmark, Lyngby, Denmark
Post-Doctoral Researcher
The Queen's University of Belfast, Belfast, Northern Ireland
Registration: Professional Civil Engineer, CA 82448
Professional Associations: United States Society of Dams (USSD) (2019)
Association of State Dam Safety Officials (ASDSO) (2018)
American Public Works Association – Central Coast (APWA) (2015)
American Water Works Association (AWWA) (2000)

Dr. Bral joined the United Water Conservation District as the new Chief Engineer in July 2018. Her responsibilities include providing oversight for the District's engineering functions, directing the development of District's long-range planning for future facilities and enhancement of the existing water systems, overseeing the implementation of design and construction projects and inspection of the existing infrastructures. Dr. Bral participated in the 2019 joint Functional Emergency Action Plan with Pyramid Lake. As a player and in the capacity of the SFD Chief Dam Safety Engineer, she directed District staff, actively led the key decision-making processes regarding dam operation and public safety issues and provided status updates on the dam to the Department of Water Resources staff at the Pyramid Lake. The functional exercise was conducted by Gannett Fleming and participated by many stakeholders, including Ventura County Sheriff and Fire Departments, National Weather Service. Dr. Bral is a California licensed Civil Engineer with 2018 years' experience in managing various water and wastewater related projects both in public, and private industries, including design of new domestic water treatment facilities, wastewater treatment plant upgrades, recycled water treatment and permitting, groundwater well rehabilitation, water quality assessment and characterization, TDS management, sewer collection system evaluation, and regulatory permitting and compliance.

Prior to joining the District, Dr. Bral managed implementation of the Goleta Water District's capital improvement projects and directed activities of engineering staff, consultants and contractors for a variety of projects, including groundwater well rehabilitation, wellhead treatment, well facility startups, surface water treatment optimization and solids handling.

Since January 2019, Dr. Bral has been the District's administrative contact for all safety related issues for the FERC and DSOD. She oversees the work of the Engineering Staff related to FERC and DSOD regulatory requirements including the 5-year Part 12D Safety Review, the work of the independent consultants, and coordinates the annual FERC site inspection and the DSOD semi-annual site inspections. She supervises the preparation of the Santa Felicia STID, Santa Felicia Dam Vulnerability Assessment management and preparation and submittal of annual FERC reports such as the EAP Status Update, DSSMR and security assessment.

UNITED WATER CONSERVATION DISTRICT RESUMES OF ENGINEERING SUPPORT STAFF

Name: Craig A. Morgan
Position: Senior Engineer
Years of Experience: ~~232~~ years (~~219~~ with United Water Conservation District)
Education: BS Civil Engineering
California State University, Northridge
Registration: Professional Civil Engineer, CA 62723
Professional Associations: American Society of Civil Engineers (ASCE) (1999)
American Water Works Association (AWWA) (1999)
Association of State Dam Safety Officials (ASDSO) (2013)

Mr. Morgan is a Senior Engineer for the United Water Conservation District. As a project manager he has been responsible for the design, inspection and construction administration of various capital improvement projects within the District. Recent projects within and immediately adjacent to the FERC project boundary for Santa Felicia Dam include recreation CT rehab project, Olive Grove Campground pipeline replacement project, Piru Canyon Road pavement projects, cone valve recoating/rehab project and the hydropower plant rehabilitation project.

Mr. Morgan has participated in numerous Functional and Tabletop Exercises dating back to 2004. He was the project manager for the 2017 Santa Felicia Dam Vulnerability Assessment. Mr. Morgan has attended FERC Security Program training and workshop courses. Mr. Morgan attended the FERC sponsored 2018 Functional and Tabletop Exercise training seminar in Portland, Oregon, participated in the 2019 Cedar Spring Dam Functional Exercise in Pearblossom, California and the 2019 Ventura County Planning for Dam Emergencies as part of the FEMA Technical Assistance Program at the Ventura County Emergency Operations Center.

As the Project Manager Mr. Morgan has successfully completed several significant public works projects for United Water including the Santa Felicia Dam Maintenance Shop, the Saticoy Facility Maintenance Shop, the Moss Screen building replacement project, the Saticoy Wellfield and conjunctive storage project, the El Rio Groundwater recharge basin redistribution project and the construction of the 8.0 MG clearwell projects.

UNITED WATER CONSERVATION DISTRICT RESUMES OF ENGINEERING SUPPORT STAFF

Name: Michel Kadah
Position: ~~Associate~~ Engineer
Years of Experience: ~~287~~ years (~~1 year 10 5~~ months with United Water Conservation District)
Education: Bachelor of Science, Civil Engineering, University of Aleppo, Syria
Bachelor of Science, Civil Engineering, International Education Research Foundation, Inc. California
Registration: Professional Civil Engineer, State of California, Certification No. C 82474
California Qualified Storm Water Pollution Prevention Plan Developer and Practitioner (QSD/QSP), Certificate No. 25023
Professional Associations: Association of State Dam Safety Officials (ASDSO) (2019)

Mr. Kadah is an ~~Associate~~ Engineer for the United Water Conservation District. His responsibilities include: supporting the Engineering Department in a wide variety of engineering duties involving design and construction of new systems, preparation of project reports and documents, and managing projects under the direction of the Chief Engineer. Mr. Kadah is currently managing the preliminary design phase of the Santa Felicia Dam Safety Improvement project that includes design of a new outlet works and spillway modifications to increase the spillway pass-through capacity.

Mr. Kadah attended the March 2019 Inspection and Assessment of Dams seminar organized by the Association of State Dam Safety Officials (ASDSO) in Phoenix, Arizona. He also attended the 2019 Ventura County Planning for Dam Emergencies as part of the FEMA Technical Assistance Program at the Ventura County Emergency Operations Center.

Mr. Kadah is a California licensed Civil Engineer with over 18 years of experience in civil engineering design and project management in California. Prior to joining the District, Mr. Kadah managed and prepared detailed engineering design for numerous industrial, commercial, residential, and public works projects, including design of street improvement, water distribution systems, storm drain, rough and precise grading, structural steel and reinforced concrete foundations. He was also responsible for managing survey and geotechnical consultants, performing construction inspections, preparation of CEQA and NEPA environmental permitting documents, including the preparation of special? reports evaluating public risks, the review of environmental assessment reports, managing construction contractors activities and the use of construction equipment to reduce significant impact on the CEQA permitting. As a Qualified Storm Water Pollution Prevention Plan Developer/Practitioner (QSD/QSP), Mr. Kadah has prepared and inspected multiple Storm Water Pollution Prevention Plans (SWPPPs) for a variety of projects.

UNITED WATER CONSERVATION DISTRICT RESUMES OF ENGINEERING SUPPORT STAFF

Name: Adrian Quiroz
Position: Associate ~~istant~~ Engineer
Years of Experience: 75 years
Education: BS Civil & Environmental Engineering
University of California, Berkeley
Registration: Engineer in Training, CA 15308
Professional Associations: Association of State Dam Safety Officials (ASDSO) (2018)

Mr. Quiroz is an Associate ~~istant~~ Engineer for the United Water Conservation District. Mr. Quiroz joined the District in March 2018. His first project with the District was to manage the demolition and replacement of the Park Service Officers' Facility at the Lake Piru Recreation Area. The new facility included the installation of a 960 square foot modular office, dedicated utilities, and site work improvements. Mr. Quiroz was also the project manager for the Santa Felicia Dam 2018 Tabletop Exercise and was part of the planning team for the 2019 Santa Felicia Dam Functional Exercise. He coordinated and distributed the 2018 annual EAP updates, and ~~is will be~~ heavily involved in managing the Santa Felicia Dam EAP program going forward. Mr. Quiroz has participated numerous dam safety related trainings such as the 2018 EAP Exercise Design Course in Portland, Oregon, and the Cedar Spring Dam Functional Exercise in Pearblossom, California. Mr. Quiroz attended the March 2019 Inspection and Assessment of Dams seminar organized by the Association of State Dam Safety Officials (ASDSO) in Phoenix, Arizona. He also attended the 2019 Ventura County Planning for Dam Emergencies as part of the FEMA Technical Assistance Program at the Ventura County Emergency Operations Center.

Prior to joining the District, Mr. Quiroz worked as a project engineer managing structural/foundation concrete construction for commercial buildings which included document control, material take-off, scheduling and estimating. He also has over 4 years of experience in concrete research and development and has fundamental knowledge of concrete properties.

UNITED WATER CONSERVATION DISTRICT RESUME OF SAFETY and SECURITY OFFICER

Name: Tony Huynh
Position: Safety and Security Program Coordinator
Years of Experience: 87 years (1 yearmonth with United Water Conservation District)
Education: Bachelor of Science, Molecular, Cell & Developmental Biology
Master of Public Policy (M.P.P.)
Master of Science, Cyber Security and Information Assurance
Graduate Certificate in Homeland Security & Public Policy
Graduate Certificate in Geographic Information Sciences Technology
Registration: N/A
Professional Associations: FBI-InfraGard (2012)
American Society for Industrial Security (ASIS) (2012)
Association of International Risk Intelligence Professionals (AIRIP)
(2017)American Society of Safety Professionals (ASSP) (2020)

Mr. Huynh joined the United Water Conservation District as the new Safety and Security Program Coordinator in August 2019. With 8 years of experience in emergency management, cybersecurity, physical security, and intelligence, he is responsible for developing, implementing, administering and monitoring all safety and security programs (including emergency response) to ensure a safe and secure workplace. ~~His responsibilities include developing, implementing, administering and monitoring all safety and security programs (including emergency response) to ensure a safe and secure workplace.~~ He is the primary coordinator for all safety incidents that occur involving district personnel and equipment and is actively working on minimizing the District's risk to adverse workplace incidents.

~~Mr. Huynh is a safety and security professional with 7 years of experience in emergency management, cybersecurity, physical security, and intelligence.~~ He has served in the public, private, and non-profit sectors as well as organizations ranging from a Fortune 50 company to a start-up. During his tenure at the Los Angeles Joint Regional Intelligence Center, he served on the California State Threat Assessment System Cyber Working Group. He graduated from the DHS Industrial Control System 301 Cybersecurity course in Idaho Falls, Idaho, and the U.S. Secret Service's Cyber Analysis course in Hoover, Alabama. Mr. Huynh also earned the GIAC-GSEC and EC-Council Ethical Hacker cybersecurity certifications. His extensive training in physical security and emergency management includes DHS Risk Analysis and FEMA Incident Command Systems courses.

Mr. Huynh's previous security roles include Global Security Intelligence Manager, Global Security Operations Center Manager, Global Security Communications Center Supervisor, and Intelligence Analyst (with a focus on counterterrorism and cybersecurity). He has also participated as a speaker at InfraGard's Pacific Region Leadership Summit and U.S. State Department's Overseas Advisory Council Media and Entertainment Working Group.

Starting from August 2019, Mr. Huynh will support the District on safety and security related issues for the FERC and DSOD. This includes supporting the submittal of annual FERC reports such as updates on the security program and coordinating the Dams Sector Information Sharing Drill. He also liaised with emergency management, intelligence, and safety partners in the region to share best practices and resources as needed. During his first year at the District, he also attended several emergency management courses hosted by the California Specialized Training Institute (CSTI), including the Community Dam Safety, Preparedness, and Mitigation (L2455) course. In addition to working with the District's Engineering and O&M staff, he also collaborates with the IT Administrator and Chief Park Ranger, respectively, on cybersecurity and physical security pertaining to Santa Felicia Dam and Lake Piru.

Staff Report

To: Board of Directors

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

From: Maryam Bral, Chief Engineer
Craig Morgan, Senior Engineer

Date: October 26, 2020 (November 10, 2020 Meeting)

Agenda Item: **4.6 Contract Amendment with Stantec for the Vern Freeman Dam Modeling and Design of Vertical Slot Fish Ladder and Intake Motion**

Staff Recommendation:

The Board will consider authorizing the General Manager to execute an amendment to the professional services agreement with Stantec in the amount of \$120,600 to provide further analysis of the Vertical Slot as a Freeman Diversion Fish Passage Facility alternative.

Discussion:

A lot has transpired since the professional services agreement for this work was executed with Stantec in March 2020. Due to the complexity of this fish passage alternative, there have been additional meetings and analysis, including Computational Fluid Dynamic (CFD) modeling, per the request of National Marine Fisheries Service (NMFS) and California Department of Fish and Wildlife (CDFW).

Stantec continues to meet all required deadlines and is anticipated to do so through the completion of the design development process and preparation for physical modeling of the Vertical Slot .

Staff recommends that the District authorize the General Manager to execute a contract amendment with Stantec to complete the design development process required for the physical modeling of the Vertical Slot as a Freeman Diversion Fish Passage Facility.

Fiscal Impact:

The hydraulic design and analysis of the Freeman Diversion Fish Passage Facility is included in the Fiscal Year 2020-21 Budget (421-400-81020 Project 8001), and sufficient funds are available to provide for the \$120,600 contract amendment.

Attachment A: Stantec's Budget Augmentation Letter
Attachment B: Contract Amendment 1



Stantec Consulting Services Inc.
2353 130th Avenue NE Suite 200, Bellevue WA 98005-1759

October 26, 2020

Attention: Mr. Craig Morgan

United Water Conservation District
106 North 8th Street
Santa Paula, CA 93060

**Reference: Vern Freeman Diversion Dam,
Change Order 3 - Phase 2 Modeling and Design of Fish Ladder and Intake**

Dear Craig,

Thank you for the opportunity to submit this proposal to United Water Conservation District (UWCD) to provide additional services in the development of a vertical slot 'criteria' fish ladder at the Vern Freeman Diversion Dam. Stantec Consulting Services, Inc. (Stantec) has prepared the following revised scope and budget estimate for your consideration based on our conversation and understanding of the project to carry our modeling and design development through the preparation and submittal of the Physical Modeling Plan.

SCOPE OF SERVICES

Task 1 Project Management and Meetings

The March 12 Agreement provided level of effort budget to May 1st. The stipulations in the August 21 Court Order have included a requirement that a physical modeling plan be submitted to the NMFS on or before November 23, 2020. We are requesting this agreement be extended 6 months through the end of November 2020. Additional budget would be extended for the defined project management activities and meetings as defined in the March 12 agreement.

Task 2 Preliminary Design

Predesign activities were added to initiate some drawing revisions early on the spillway and ladder intakes. Drawings and narrative will be prepared in a Design Development Document as requested by the NMFS and incorporated into the court order. This work was anticipated to occur in the design phase to document final design but was prepared early to incorporate the modeling results and provide updated drawings for agency review and comment.

Task 3 Geotechnical Investigation and Hydraulic Modeling

3.2 Complete CFD Modeling

We are requesting additional budget for the execution of CFD Model 2 to cover unanticipated engineering effort to perform hand calculations to estimate channel scour and hydraulic jump locations which are needed to assess fish passage characteristics. The basis for our original estimate assumed that we could use the CFD model to perform iterations to predict these



October 26, 2020

Mr. Craig Morgan

Page 2 of 3

Reference: VFDD, Change Order Proposal

elements. The model channel complexity has resulted in excessive run times (2-3 times our estimates). This made using the model impractical within the agreed upon deliverable schedules.

Task 4 Operations Support

Provide support to UWCD with the development of systems to allow wet removal of sediment accumulations upstream of the trash rack without using the sluice gate for flushing. UWCD found a suction dredge system and requested assistance with locating portable or moveable screens that could be used in conjunction with the dredge. Stantec incurred about 18 hours of time in concepts and making phone calls to screen vendors and fabricators that might have materials on-hand that could be used.

BASIS OF COMPENSATION AND BUDGET

Compensation for services provided Scope of Services shall be in accordance with the methods and specific amounts described herein.

1. Rate Schedule. Compensation shall be on an hourly rate basis as presented on the attached 2020 Rate Sheet as included in the March 12 Agreement. All other billing terms remain unchanged.
2. No other terms and conditions from the March 12, 2020 Agreement are changed by this amendment.

The estimate to complete the added work described in this Scope of Services for phase 2, will be \$120,600.00. The budget breakdown by phase and major task is provided below in Table 1. Services would be billed on an hourly rate basis based on the attached 2020 Rate table for actual work completed.



October 26, 2020

Mr. Craig Morgan

Page 3 of 3

Reference: VFDD, Change Order Proposal

Table 1 Budget Summary Table

Task		Estimated Labor Hours	Estimated Budget
Phase 2 - Final Design			
1	Project Management and Meetings	82	\$16,400
2	Preliminary Design	150	\$28,800
3	Geotechnical Investigation and Hydraulic Modeling		
3.2	CFD Modeling	336	\$71,400
4	Operations Support	18	\$4,000
	Change Order 3, Subtotal Phase 3	586	\$120,600

NIC = Scope and Budget to be included under separate authorization

SCHEDULE

- The final CFD Model runs for Model 2 will be completed 11/2/2020
- Submit updated model results following the Design Development Document..... 11/2/2020

Regards,

STANTEC CONSULTING SERVICES INC.

Heidi Wahto
Principal, Project Manager
Phone: (425) 602-3514
Heidi.Wahto@stantec.com

Attachment: Schedule of Billing Rates 2020

C.

SCHEDULE OF BILLING RATES – 2020

Billing Level	Hourly Rate	Description
3	\$108	Junior Level position <ul style="list-style-type: none"> Independently carries out assignments of limited scope using standard procedures, methods and techniques Assists senior staff in carrying out more advanced procedures Completed work is reviewed for feasibility and soundness of judgment Graduate from an appropriate post-secondary program or equivalent Generally, one to three years experience
4	\$113	
5	\$128	
6	\$132	Fully Qualified Professional Position <ul style="list-style-type: none"> Carries out assignments requiring general familiarity within a broad field of the respective profession Makes decisions by using a combination of standard methods and techniques Actively participates in planning to ensure the achievement of objectives Works independently to interpret information and resolve difficulties Graduate from an appropriate post-secondary program, with credentials or equivalent Generally, three to six years experience
7	\$143	
8	\$149	
9	\$159	First Level Supervisor or first complete Level of Specialization <ul style="list-style-type: none"> Provides applied professional knowledge and initiative in planning and coordinating work programs Adapts established guidelines as necessary to address unusual issues Decisions accepted as technically accurate, however may on occasion be reviewed for soundness of judgment Graduate from an appropriate post-secondary program, with credentials or equivalent Generally, five to nine years experience
10	\$165	
11	\$176	
12	\$185	Highly Specialized Technical Professional or Supervisor of groups of professionals <ul style="list-style-type: none"> Provides multi-discipline knowledge to deliver innovative solutions in related field of expertise Participates in short- and long-range planning to ensure the achievement of objectives Makes responsible decisions on all matters, including policy recommendations, work methods, and financial controls associated with large expenditures Reviews and evaluates technical work Graduate from an appropriate post-secondary program, with credentials or equivalent Generally, ten to fifteen years experience with extensive, broad experience
13	\$193	
14	\$209	
15	\$219	Senior Level Consultant or Management <ul style="list-style-type: none"> Recognized as an authority in a specific field with qualifications of significant value Provides multidiscipline knowledge to deliver innovative solutions in related field of expertise Independently conceives programs and problems for investigation Participates in discussions to ensure the achievement of program and/or project objectives Makes responsible decisions on expenditures, including large sums or implementation of major programs and/or projects Graduate from an appropriate post-secondary program, with credentials or equivalent Generally, more than twelve years experience with extensive experience
16	\$234	
17	\$242	
18	\$244	

Note: Rates subject to escalation at end of calendar year.

**FIRST AMENDMENT TO
AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES**

This Amendment to the Agreement for Professional Consulting Services is entered into as of _____, 2020, by and between **United Water Conservation District (UNITED)**, a public entity, and **Stantec Consulting Services Inc. (CONSULTANT)** with reference to the following terms and conditions:

WITNESSETH

WHEREAS, on March 12, 2020, UNITED and CONSULTANT entered into a Professional Consulting Services and;

WHEREAS, UNITED and CONSULTANT have discussed and agreed to amend certain terms and conditions of the AGREEMENT involving term of agreement as specified in this Amendment.

NOW, THEREFORE, based on the covenants and considerations set forth, UNITED and CONSULTANT mutually agree as follows:

1. The AGREEMENT amount is increased by \$120,600 equaling to an AGREEMENT total of \$370,182
2. The term of the AGREEMENT is extended to November 30, 2020.
3. Each and all other provisions of said AGREEMENT remain in full force and effect and apply to all services and payments made under this FIRST AMENDMENT.

UNITED WATER CONSERVATION DISTRICT

By _____
Mauricio E. Guardado, Jr., General Manager

STANTEC CONSULTING SERVICES INC.

By _____
(Name and Title)

**ATTACHMENT “A”
FIRST AMENDMENT TO
AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES
Revised Fee Schedule**



October 26, 2020

Mr. Craig Morgan

Page 3 of 3

Reference: VFDD, Change Order Proposal

Table 1 Budget Summary Table

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SCHEDULE

- The final CFD Model runs for Model 2 will be completed 11/2/2020
- Submit updated model results following the Design Development Document..... 11/2/2020

Regards,

STANTEC CONSULTING SERVICES INC.

Heidi Wahto
Principal, Project Manager
Phone: (425) 602-3514
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16	\$234	
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18	\$244	

Note: Rates subject to escalation at end of calendar year.



Staff Report

To: UWCD Board of Directors

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

From: Joseph Jereb, Chief Financial Officer
Josh Perez, Human Resources Manager
Zachary Plummer, Information Technology Administrator
Kris Sofley, Executive Assistant/Clerk of the Board

Date: November 2, 2020 (November 10, 2020 meeting)

Agenda Item: **5.1 Monthly Administrative Services Department Report**
Informational Item

Staff Recommendation:

Board shall receive report on administrative services activities for October 2020.

Discussion:

Activities that took place during the month of October 2020 include:

Finance:

- FY 19-20 Audit fieldwork completed. CAFR preparation is ongoing and expected to be finalized before end of November.
- Finance staff completed FY 19-20 Purchase Order and CIP Budget Rollovers. Closed outstanding Purchase Orders that needed to be closed out per Department's instructions.
- Met with Department Managers to review their current YTD spend and create an updated projection of total FY 20-21 spend.
- Attended a kickoff meeting for the Integrated Regional Water Management Plan regarding the first grant invoice.
- Controller's leave of absence effective October 19, 2020 with anticipated return date in March 2020.
- Recruited Temporary Accountant to support Accounts Receivable. Replacement temp to start with District on November 2.
- Completed pricing/sale of 2020 COP issue with anticipated close date of November 10.

Administration:

Human Resources & Risk Management:

- Finalized open enrollment for Health Care plans for all changes requested.
 - FSA and AFLAC still open until end of the year.
 - Completed onboarding paperwork for following positions:
-

Agenda Item: 5.1 Monthly Administrative Services Department Report
Information Item

- Recharge O&M Worker I (two new hires and one promotion) strengthening an exceptional O&M Department
- Part Time Field Assistants (four staff) strengthening our Environmental Services team
- Began coordination of new recruitment for Instrument & Electrical Technician position after previously selected candidate abruptly withdrew from consideration.
- Processed employee evaluations and step increases that were scheduled for the month of October.
- Submitted quarterly employee list to SEIU, per AB 119.
- Coordinated Department of Transportation required testing to comply with DOT-regulated testing requirements
- Processed employee payroll changes into Incode (address changes, tax changes, changes in deductions, base pay modifications, and approved cash out requests submitted)
- Worked with SDRMA to add or modify district vehicles as appropriate on our insurance policy.

➤ **Safety and Security**

- Coordinated replenishment of First Aid vehicle kits as well as cabinets at all District locations.
- Provided training on Bloodborne Pathogens safety, briefed staff on COVID-19 developments, and provided general awareness training on safe driving (as part of Distracted Driving Awareness month).
- Assigned safety trainings for new staff onboarded in the past month to coincide with their role and Department assignment.
- Evaluated and engaged with vendors and key internal stakeholders on development of a new Safety Data Sheet (SDS) management system that will enhance District safety, provide efficiencies for staff, and ensure OSHA compliance with SDS standards.
- Collaborated with AWA VC Emergency Management subcommittee on testing emergency notification system.
- Together with the Chief Water Treatment Operator, coordinated regional training with local FD HazMat units.
- Attended OSHA Confined Space training course (10/27) which will continue training efforts to minimize insurance costs to District in 2021-2022 when renewal occurs.
- Reviewed and assigned monthly Daily Training Bulletins for Park Ranger staff.
- Reviewed CPR/First Aid/AED training options for current pandemic.
- Published communication/awareness to staff on Flu Vaccine encouragement and Cyber Security tips as part of National Cyber Security Awareness month.
- Reviewed existing earthquake preparedness kit and compiled items needed for kits at HQ, El Rio, and Saticoy.

Information Technology:

- Provided WebEx/Zoom IT Coordinator for:
 - Groundwater Sustainability Plan Stakeholder Workshop
 - Legislative and Outreach Committee
 - Water Resources Committee

Agenda Item: 5.1 Monthly Administrative Services Department Report
Information Item

- Rehearsal Meeting for Standard & Poor's
 - Finance and Administration Committee Meeting
 - UWCD Board of Directors Meeting
 - UWCD Board of Directors Special Board Meeting
 - Fillmore Piru Basin GSA Board of Directors Meeting
 - Continued to optimize UWCD Boardroom and meeting room spaces with additional technology request.
 - Board Chambers was updated with a camera and PC Casting AIO compatible with Zoom/WebEx/Teams.
 - Santa Clara Room (original location) moved to UW Boardroom preparation for a Special Board Meeting:
 - Project required equipment gathering and provisioning of laptops to participate in a hybrid WebEx board meeting configuration.
 - Completed the preliminary move-order for migrating Lake Piru Ranger phone numbers into the HQ VOIP System.
 - Completed an in-depth analysis of Tyler Technologies network activity in our environment due to a vendor advisory of suspicious activity reports of their own networks. Coordinated with Finance and HR to ensure all activity was generated by a UWCD staff-requested support call.
 - Finalized a replacement Windows 2016 Controller Server that will lead to a replacement of the previous controller utilized by the District which has reached its end life state.
 - Reviewed FERC Cyber Documentation with the staff supporting the licensing requirements:
 - Cyber Incident Response Plan Development
 - IT Backup and Recovery Plan Development
 - IT Patch Management Plan Development
 - Off site visits to Saticoy and El Rio for various network-related changes to physical connections:
 - New staff starting at the District, and social distancing practices have us creating new workspaces.
 - Changes to El Rio network switches and proceeded with creating new backup copies of certain switch configurations before adjusting as mentioned above.
 - Formatted an end-of-life laptop from storage with new OS/Office Suite/Anti-Virus. Transported and setup A/V equipment in Saticoy shop for Districts' month-long tour of the Freeman Diversion with the invited key stakeholders.
 - Monthly call with Novacoast - IT strategic planning call:
 - Discussed the open quotes with Novacoast to support United's IT incentives with emphasis on network architecture changes to: A) simplify networks physical and routing shortcomings, B) put United in position to implement cloud capable security equipment in remote locations, and C) reassessment current implemented (and) engineer services to implement the additional purchased security features and services in regards to our Checkpoint (vendor) Firewall and Threat Prevention Cyber Security Suite. (SSL Inspection, Treat Emulation, Full Disk Encryption on Mobile Devices, etc.)
 - Ordered computer equipment for Operations and Maintenance.
-

Agenda Item: 5.1 Monthly Administrative Services Department Report
Information Item

- New staff joining the District, and COVID-19 distancing measures.
- Ordered various IT equipment that I was requiring for the various helpdesk or conferencing room requirements.
 - End of last month purchased High End Conference Cameras - This month accessories or cables and surge protector extensions were purchased.
 - Ordered USB headsets, mice for use in various environments, accessories will be assigned to staff who are still require laptops or device usage during Districts' Teams and/or Zoom/WebEx meetings.
 - Replacement of hard drives (required to repair several district laptops)
- New staff and/or new hire user account provisioning for several departments:
 - Environmental
 - Oxnard Operations and Maintenance
 - Santa Felicia O&M
- Refurbished and new equipment provisioning for staffing changes
- Helpdesk tracking:
 - Eleven (11) new requests were opened in October 2020.



Staff Report

To: UWCD Board of Directors

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

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

Date: October 29, 2020 (November 10, 2020 meeting)

Agenda Item: 5.2 Monthly Engineering Department Report
Information Item

Staff Recommendation:

Board will receive the information presented herein.

Discussion:

As noted in our previous staff reports, the majority of staff continue to work from home and communicate via teleconferencing products during the Covid-19 pandemic.

1. Santa Felicia Dam Safety Improvement Projects

• SFD 2020 Drilling Program Plan (DPP)

- The drilling activities at the Santa Felicia Dam continued through the month of October. A total of twenty-three (23) borings and eleven (11) test pits were completed as of October 22nd. Two (2) borings were drilled on steep slope on the east abutment where the proposed sloped intake facility will be located. Platforms were constructed at these locations to support the drilling rig (see Figures 1 and 2). Two (2) new Vibrating Wire piezometers (VWPs) were installed at these boreholes to monitor the groundwater elevation. A total of six (6) new piezometers have been installed to date. The drilling activities are expected to continue through the month of November.
- The helicopter activities were continued to mobilize the drilling rigs and equipment down to the spillway discharge channel and the steeply inclined slope on the east abutment (see Figure 3).
- Staff continued the daily oversight of the drilling operations and submittal of the daily field reports and boring logs to FERC and DSOD.
- Biological monitoring and field observation of the borings in the spillway downstream channel and on the steep sloped rock on the east abutment was conducted pursuant to the California Department of Fish and Wildlife (CDFW) permit requirements.

Agenda Item: 5.2 Monthly Engineering Department Report
Information Item

- The reservoir water level is expected to be reduced to elevation 977 feet by November 8 to support the drilling activity related to boring B404. The drilling operation is ahead of schedule and expected to be completed by November 13, 2020.

- **Spillway Improvement Project**

- ECG is currently compiling Fugro's bathymetric survey data and ECG's land-based topo survey data in one AutoCAD file.
- Staff continued their review of draft technical memoranda associated with the design efforts.
- On October 15, Staff efiled a response letter to FERC's comments on the Santa Felicia Dam Spillway Condition Assessment report included in their September 16, 2020 letter to the District. The Santa Felicia Dam Spillway Assessment report (Report) was submitted to FERC for review on April 16, 2020. FERC comments included a request for including the applicable content from the Report to the Santa Felicia Dam Safety Surveillance and Monitoring Plan (DSSMP) and a request for a status update or a plan and schedule for completion of the recommendations included in the Report which partly relate to scheduled spillway inspection and maintenance and partly related to the Dam Safety Improvement Project that is currently in the design phase.

- **Outlet Works Improvement Project**

- The updates reported for the Spillway Improvement Project also apply to the Outlet Works Improvement Project.

- **FERC License Amendment Application and NEPA Documentation**

Staff and District's consultants Catalyst and Rincon virtually met with FERC on October 14 and October 22 to receive FERC's comments on the draft FERC License Amendment Application, and the draft Biological Assessment. Staff submitted additional information to FERC for review and discussed submittal of the 401 Water Quality certification to the Water Boards by the end of October.

2. Santa Felicia Dam Sediment Management Project

- The District received a proposal from GEI to develop a Sediment Removal Feasibility Study for the Lake Piru Reservoir back in April 2020. With the conclusion of the 2020 Bathymetric Survey, GEI will utilize the latest bathymetric data for this study. Staff met with GEI on October 20, 2020 to finalize the scope of the study considering the new bathymetric data. The study will analyze the feasibility of dredging, above water sediment removal, spoils disposal and conceptual level contingency plans for performing an intake tower extension. The study is on track to begin by the end of 2020.
- The District seeks a better understanding of the lakebed dynamics and sediment elevation fluctuations with changes in reservoir elevations and is considering to perform an additional bathymetric survey at the conclusion of the 2020 conservation release when the reservoir water surface elevation is stabilized at approximately El. 977. As an alternative to a supplementary bathymetric survey, the District is also considering a supplementary intake tower dive inspection or a Remotely Operated Vehicle (ROV) inspection which will serve to confirm the bathymetric data by verifying the sediment elevation at the intake tower. A video footage and photo imagery will assist in evaluating the structural condition of the intake tower, density of debris at the intake tower trash rack and the level of quagga mussel infestation at the intake tower.

Agenda Item: 5.2 Monthly Engineering Department Report
Information Item

3. Freeman Diversion Rehabilitation/Fish Passage Facility

- On October 9th, Staff conducted a meeting on the physical modeling with Stantec, NHC and USBR.
- On October 23rd, Staff, NMFS, CDFW and USBR met to discuss the physical modeling of the hardened ramp and vertical slot.
- Motion Item 4.6 is to authorize the general manager to execute an amendment to the professional services agreement with Stantec in the amount of \$120,600 to provide further analysis of the Vertical Slot as a Freeman Diversion Fish Passage Facility alternative.

4. Grand Canal Hydraulic Optimization

- A contract with DOD Construction was executed and a pre-construction meeting was held on October 14.
- Work is slated to begin at the beginning of November.

5. Ferro-Rose Recharge Basins

- NHC delivered the 30% design on the three-barrel culvert. Staff is currently reviewing the design.

6. Santa Felicia Dam Safety

- District Engineering Staff have completed the latest update to the Santa Felicia Dam Supporting Technical Information Document (STID) based on recommendations provided by the Independent Consultant of the 2017 Part 12D Review. The newly revised STID was submitted to FERC on October 24, 2020. The District will perform the next update to the STID in 2021.

7. Recycled Water Update

- On September 3, 2020, the City of Oxnard opened bids on the Hueneme Road Recycled Water Pipeline Phase II project. A total of five (5) bids were received. The lowest bid according to the base bid schedule was Blois Construction at \$13,719,670. However, the lowest bid that includes the sum of the base bid schedule and additive alternate bid items was Teicher Energy & Utilities Group at \$18,599,000 (Blois Construction was \$18,925,495. The City is tentatively planning to award a construction contract at its November 17th, 2020 City Council meeting.
- Staff has scheduled a meeting with the Pleasant Valley County Water District (PVCWD) on November 19th, 2020 to discuss the potential recycled water interconnection on Laguna Road between the Pumping Trough Pipeline (PTP) and PVCWD system. The pipeline has the potential to deliver recycled water to the PTP system from the City of Oxnard or Camrosa Water District.

8. PTP Turnout Metering System Improvement

- Total number of meters installed: 20
- Construction completion: 32.3%

Agenda Item: 5.2 Monthly Engineering Department Report
Information Item

- O&M staff is working to resolve communication issues with the equipment supplier and radio manufacturer.
- Easement acquisition completion:
 - Surveying: 100%
 - Map prepared: 90% (no change)
 - Legal description prepared: 80% (no change)
 - Utility easement deed prepared: 80% (no change)
 - Letters to property owners: 33 total (no change)
 - Easement obtained: 15% (+5% since Oct 14th)
- Motion Item 4.4 is to accept a resolution authorizing the general manager to execute utility easement deeds related to the project.

9. Iron and Manganese Removal at the El Rio Water Treatment Plant

- On July 17, 2020, Kennedy/Jenks Consultants submitted the 100% design documents including updated plans, specifications, and estimate which is currently under review by staff.
- On August 14, 2020, Kennedy/Jenks Consultants submitted the draft 3D rendering (see Figure 5) of the proposed treatment plant that was authorized by Amendment No. 2 to the professional engineering services agreement and is currently under review by staff.
- On October 19, 2020, Calleguas Municipal Water District provided the subgrant agreement and grant compliance documents for the Proposition 1 Integrated Regional Water Management Implementation (IRWMP) Grant. Calleguas is acting on behalf of the Watershed Coalition of Ventura County and the project proponents which includes the District's share of \$2.5 million in grant funds. The documents are currently under review by staff.
- Conducted internal monthly progress and control logic meetings with staff.
- Coordinated with the Ventura County Fire Department for review and application for a fire clearance permit.
- The tentative schedule for the project is as follows:
 - October 30, 2020 – Submit all comments to Kennedy/Jenks Consultants
 - February 5, 2021 – Advertise for construction bids
 - April 14, 2021 – Award construction contract (pending Prop 1 IRWM grant agreement)

10. State Water Project (SWP) Interconnection Project

- Staff received a copy of the draft joint agency agreement for the SWP Interconnection project from the City of Ventura on September 18. United provided the first round of comments on the draft agreement to the City in June 2019. Staff provided the second round of comments on the draft agreement in the week of October 26.
- Per the project design team's (Stantec and HDR) request, Maryam Bral and Craig Morgan met with John Coffman with HDR, and Betsy Cooper and Greg Knudson with the City of Ventura to conduct a site visit of the project area within United's properties on October 7. Staff discussed the proposed alignment within United's properties, proposed turnout locations, and potential construction constraints. Following the site visit, Staff provided

Agenda Item: 5.2 Monthly Engineering Department Report
Information Item

the 2009 easement map of the Ferro Basin to the project team. As the next step, the City is planning the geotechnical investigations of United's properties and will notify the District once the applicable Ventura County permits are obtained.

11. Rice Avenue Grade Separation

- United's 30-inch transmission line relocation alternatives were further discussed with Kennedy Jenks (KJ) on October 5 and October 8. The relocation option was still not considered advantageous or practical (pipe needs to be installed deeper to avoid conflicts with existing utility lines and vertical obstacles, thereby, access to the pipe in the future would not be easier nor practical and pipe relocation requires easement acquisitions).
- Installation of a new 30-inch diameter cement mortar lined and coated steel pipe with 5/16" thickness in place of the exiting segment is considered a significant improvement. With proper installation and normal use and operation, the new segment will not require repairs for several years. Per Staff's requests, KJ agreed will be including additional features in the 65% design plans, including a utility access hole on the south end of the new pipe for equipment or manual entry, and two isolation valves one on each end of the new pipe segment to ensure pipe access for future inspections or repairs. Staff request for encasing the new pipe segment will most likely not be granted as the new Rice Avenue is not a CalTrans facility.

12. Pothole Trailhead Parking Area

- The District issued the Bid Package for the Pothole Trailhead Parking Area Project on October 08, 2020. The Mandatory Prebid Meeting and Site Inspection was conducted on October 22, 2020 at the Pothole Trailhead Site with six (6) interested Bidders in attendance (Figure 4). The Bid opening will take place on October 29, 2020 at 2:00 PM at the District Headquarters. The expected notice to proceed date is December 02, 2020. The duration of the parking area construction is expected to be 3-4 weeks. The District must complete construction by December 31, 2020 as ordered by FERC.

13. Santa Clara River (SCR-1) Levee Improvement Project (VCWPD)

- Bram Sercu has been representing the District in meetings with Ventura County Watershed Protection District and its consultants.
- VCWPD modified the design of the new SCR-1 levee along the south embankment of the Ferro basin to minimize percolation rate losses in the basin. The current design includes a soil cement revetment for the portion along the open channel portion of Central Ave. drain, and loose rip rap for the remaining portion to the upstream tie-in point.
- On July 31, United submitted a tech memo to VCWPD with potential future operations of Ferro basin to be part of the 60% design submittal to USACE. On August 31, United submitted a tech memo to VCWPD with modeling results to demonstrate impacts of the SCR-1 levee improvement design on infiltration rates in the Ferro basin. An update to the tech memo that includes the modified design with loose rip rap is currently in preparation.
- VCWPD informed United that a Section 408 permit with USACE is required for future operations of Ferro basin, unless the landward side of levee is not affected. United will need to coordinate with VCWPD and hire a geotechnical expert to assess current conditions

Agenda Item: 5.2 Monthly Engineering Department Report
Information Item

of the SCR-1 levee and determine the potential impacts on function and structural integrity of the levee under future Ferro operations.

- VCWPD hopes to submit 60% design for SCR-1 levee improvement to USACE by March 2021.
- Engineering and Water Resources Staff met on October 21 to discuss the future function and operation of Ferro Basin.

14. Freeman Diversion and Lower River System Quagga Mussel Control Project)

- No updates to report.

15. Coastal Brackish Water Treatment Plant)

- On October 23, Staff responded to the Navy's invitation to review the revised draft copy of the Letter of support that Navy's staff and leadership team had shared with Staff on October 2. Once finalized, the Navy's leadership Letter of support will be presented to the District's Board.
- Staff continued to provide conceptual design details to Navy staff in order to support their internal discussions and consideration of the project.
- Staff has been reviewing and considering additional water quality constituents to add to the enhanced coastal sampling program to better inform treatment design.
- Staff prepared updated construction cost estimates for the project.
- On September 21, 2020, Staff participated in a call with Navy personnel regarding strategy for project compliance with the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA). The consensus was that a programmatic approach was preferred and that separate documents would be prepared for CEQA/NEPA using the same consultant.

16. CalOES HMGP Sub application

- No update to report.

17. Comprehensive Water Supply and Optimization Plan Support

- No update to report. This project is on hold.

18. Piru Stormwater Capture for Groundwater Recharge

- Due to COVID-19, the County of Ventura Public Works is planning a virtual project outreach to mark the Phase I completion of the Piru Stormwater Capture for Groundwater Recharge project. The County extended an invitation to the District for an interview with the General Manager which took place on October 22. The key notes included constructive collaboration between the County and the District and project benefits to Piru and communities downstream of Piru by improving the surface water quality and response to the climate change.
- The District will continue to support the County and allow site access as the maintenance and monitoring of the stormwater capture facilities continues. In preparation for the upcoming wet season, the County's contractor will be conducting maintenance and testing of the on-site monitoring equipment on October 26.

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19. Lake Piru Recreation Area, 2020 Pavement Maintenance Program

- Project has been postponed to the next fiscal year.

20. Asset Management

- October 23, 2020- Erik Zvirbulis and Robert Richardson met with ESRI on October 23 to discuss the ARCGIS license renewal.

21. 2020 Urban Water Management Plan

- On September 16, Staff received four proposals from Trussell Technologies, MNS Engineers, Milner Villa and Stantec.
- On September 28, Engineering and Water Resources Staff met to review and rank the proposals based on the already established selection criteria. Staff recommended Stantec to support the District with the project.
- On October 21, Staff met with MNS Engineers and Trussell Technologies individually to provide feedback on their proposals.
- Staff is currently working with Stantec to finalize the Professional Services Agreement. Once finalized, Staff will present it to the General Manager for his authorization.

22. Other Topics, Meetings and Training

- October 6, 26, 2020 – Maryam Bral, John Lindquist, and Dan Detmer participated in a pre-meeting for the FCGMA Core Stakeholders Projects Committee
- October 7, 2020 – Maryam Bral, Dan Detmer, and Brian Collins participated in a SCV Water and UWCD Watershed Issues Meeting
- October 7, 21, 28, 2020 – Maryam Bral participated in a Reclamation Stakeholder Virtual Workshop Series
- October 8, 2020 – Engineering Staff participated in a webinar | Smart Data, Smart Decisions, Smart Design: Using Intelligent Tools to Drive the Future of Complex Infrastructure Solutions
- October 13, 27 - Maryam Bral participated in the OPV Core Stakeholders Gr. meetings.
- October 15, 2020 – Maryam Bral participated in the AWA Waterwise Breakfast
- October 15, 2020 – Engineering and Water Resources monthly Staff Meeting
- October 16, 2020 – Maryam Bral participated in the CalDesal virtual seminar.
- October 22, 2020 - Maryam Bral and John Lindquist participated in the Projects Committee Meeting.
- October 22, 2020 – Maryam Bral and Robert Richardson participated in the AWA Academy Awards.

Agenda Item: 5.2 Monthly Engineering Department Report
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Figure 1 –Drilling operations at Boring B402 from a Platform built on the East Abutment of SFD during the 2020 Drilling Program Plan.



Figure 2 – Platform and Drilling Operations at Boring B403 located on the SFD East Abutment.

**Agenda Item: 5.2 Monthly Engineering Department Report
Information Item**



Figure 3 – Mobilization of equipment and drilling rig for Boring B403.



Figure 4 – Pothole Trailhead Parking Area Project Prebid Meeting



Staff Report

To: UWCD Board of Directors

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

From: Linda Purpus, Environmental Services Manager

Date: October 30, 2020 (November 10, 2020 Meeting)

Agenda Item: 5.3 Monthly Environmental Services Department Report
Information Item

Staff Recommendation:

Receive the report on activities conducted in October 2020 by the Environmental Services Department.

Discussion:

1. Santa Felicia Project Operations and Federal Energy Regulatory Commission (FERC) License Support
 - a. Water Release Plan

Under the Water Release Plan and FERC license for the Santa Felicia Project, United is required to make certain water releases from Santa Felicia Dam to support steelhead habitat and migration. Upon initiation of the new water year, on October 1, 2020, the minimum required water release was reduced to 7 cfs, and will remain at 7 cfs through January 1, 2021.

As reported in the September staff report, a California Independent System Operator (CAISO) Stage 2 Emergency power outage impacted the Santa Felicia Project on September 6, 2020. The power outage triggered a series of actions, resulting in an exceedance of ramping criteria. In accordance with guidance provided by FERC, staff submitted an informal email notification to FERC, National Marine Fisheries Service (NMFS), and the State Water Resources Control Board within 24 hours of identifying the issue. On October 2, 2020, staff submitted a follow-up report to the agencies summarizing the event, and actions taken to address the issue. No adverse environmental effects were observed to occur as a result of the exceedance of ramping criteria.

Agenda Item: 5.3 Monthly Environmental Services Department Report
Information Item

b. Habitat Improvement Plan

On June 17, 2019, following more than ten-years of a contentious consultation with NMFS, United submitted the sixth iteration of a Habitat Improvement Plan (HIP) to FERC. An earlier version of the HIP had been submitted to NMFS on March 15, 2019, but had not received its agreement. In the June 17, 2019 submittal, United requested that FERC review the HIP in context of the requirements of the license and associated biological opinion issued by NMFS, and approve the HIP.

On April 27, 2020, FERC issued an order approving and modifying the sixth iteration of the HIP. In response, on May 27, 2020, NMFS filed a request for rehearing of FERC's April 27, 2020 order. On June 24, 2020, FERC issued an order granting rehearing for further consideration. After considerable review of the requirements of the license and associated biological opinion, as well as the administrative record for the project, on October 15, 2020, FERC issued an order setting aside the prior, April 27, 2020 order. In the order, FERC determined that the April 27, 2020 order erred in allowing implementation of the HIP prior to receiving NMFS's formal agreement. The FERC order also issued determinations detailing disagreement with four of NMFS's opposing arguments presented in their request for rehearing including: 1) the order did not err in determining that habitat improvement measures should address the effects identified in the findings report, 2) the order did not err in finding the United would be unable to provide scouring flows, 3) the order did not err in finding that installation of forcing features is not supported by the findings report, and, 4) the order did not err in not providing a schedule for implementation certain channel improvement measures. Although the order did not provide directives for future actions, FERC provided recommendations for continued efforts to finalize the HIP. Staff is reviewing the determinations detailed in the order along with FERC's recommendations, and considering them in the context of past comments provided by NMFS to identify steps for moving forward to finalize the HIP.

c. Land Resource Management Plan

On October 27, 2020, staff submitted an annual report to FERC and U.S. Fish and Wildlife Service (USFWS) detailing activities associated with use of the wet crossing at the Santa Felicia Project (location below the outlet works). The annual report was developed and submitted to satisfy license requirements associated with the Land Resource Management Plan and associated Biological Opinion issued by the US Fish and Wildlife Service.

d. Santa Felicia Dam Safety Improvement Project

Geotechnical exploratory drilling work conducted in preparation for the Santa Felicia Safety Improvement Project was initiated in August and will continue through November 2020. Environmental Services staff continues to support the project activities by presenting Workers Environmental Awareness Program (WEAP) training for staff and contractors and conducting biological monitoring.

Agenda Item: 5.3 Monthly Environmental Services Department Report
Information Item

2. Freeman Diversion Facility Operations

During the reporting period, Environmental Services staff continued to consult with California Department of Fish and Wildlife (CDFW) on implementation and refinement of the targeted sediment removal project to address accumulating sands in the bypass channel at the Freeman Diversion facility. An amendment to the Streambed Alteration Agreement (SAA) for this project was executed on October 15, 2020, incorporating additional project description items regarding algae management techniques. On October 20, 2020, CDFW staff biologist Baron Barrera visited the project site. Environmental Services staff took advantage of the site visit to provide a full facility tour to Mr. Barrera and discuss ongoing and future projects and operations. During the reporting period, sediment removal activities were conducted on October 6, 7, 13, 20, 26, and 29, 2020. Environmental Services staff continues to coordinate with Operations and Maintenance staff and provide project support, including:

- Presentation of WEAP training
- Pre-activity surveys
- Project site block netting to exclude aquatic organisms from the project area
- Constant biological monitoring during project activities (of block nets and other project activities)
- Coordination with CDFW staff

On October 27, 2020, Environmental Services staff submitted a Request to Extend the SAA, which would provide coverage for the targeted sediment removal project to continue to be implemented for the next five years during the work period extending from August 1 – October 31. The Request to Extend the SAA is currently under review by CDFW.

3. Multiple Species Habitat Conservation Plan (MSHCP)

NMFS issued a letter to United on September 11, 2020, outlining issues and uncertainties in the MSHCP following their initial review of the June 30, 2020 MSHCP submittal. NMFS's letter also included a request for the timeline for future MSHCP technical working group meetings. United provided a preliminary response to NMFS's submittal outlining a proposed plan for future MSHCP meetings and coordination on September 28, 2020. A detailed response was provided to NMFS on October 28, 2020, addressing each of the identified issues and uncertainties, the majority of which were already addressed in the June 30, 2020 version of the MSHCP. Following submittal of the October 28, 2020 detailed response, staff followed-up with agency staff to coordinate scheduling the series of technical working group meetings intended to resolve outstanding issues.

4. Quagga Mussel Management

a. Monitoring

United initiated a conservation water release from Santa Felicia Dam on August 8, 2020. Due to the increased magnitude of flow in the river downstream of the Santa Felicia Dam, monitoring under the Quagga Mussel Monitoring and Control Plan (Plan) was modified to ensure staff safety.

Agenda Item: 5.3 Monthly Environmental Services Department Report
Information Item

Environmental Services staff completed monthly water quality sampling; monthly artificial substrate sampling (plate sampling) in Lake Piru and strategic downstream locations; and bi-monthly (approximately every two weeks) veliger (larval) sampling in lower Piru Creek and strategic downstream locations. Natural substrate sampling in lower Piru Creek including the reach on Rancho Temescal property (surface surveys) were not conducted this month due to high flows. In an effort to collect supplemental data during the conservation release, recruitment plates were placed near the moss screen and will be monitored throughout and after the conservation release. Additionally, bi-monthly veliger sampling is being conducted near the moss screen throughout the conservation release. All data collected under the quagga mussel monitoring program are being compiled and will be evaluated and summarized in the 2020 annual report.

As part of the monitoring and control activities, United contracts scientific divers to mechanically scrape adult quagga mussels from infrastructure in Lake Piru. In June 2020, staff (Environmental Services and Recreation) collaborated with the scientific divers to establish supplemental veliger monitoring activities in Lake Piru. Starting June 2020 and extending throughout the conservation release, the scientific divers are conducting horizontal veliger tows at three depths in Lake Piru and collecting additional water quality data. This analysis is intended to evaluate impacts on veliger populations within the lake associated with changes in water surface elevation. Results will be evaluated and presented in the 2020 annual report.

5. Miscellaneous

On October 15, 2020, Environmental Services staff provided access and escort for a CDFW scientist Russel Baraby to survey for arroyo chub in the Santa Clara River near the Freeman Diversion for the purpose of collecting tissue samples. The collected tissue samples will be used as part of a genetic analysis of the native minnow being conducted by CDFW in collaboration with several California State Universities.

On October 12, 2020, Environmental Services staff submitted an annual report to the Planning Division of Ventura County in accordance with the Tree Protection Plan related to the 2018 replacement of the Park Services Office at the Lake Piru Recreation Area.

On October 28, 2020, Environmental Services staff participated in an AWA/ CCWUC educational program providing an annual update of the California Division of Drinking Water Regulations. The program was presented by Jeff Densmore, District Director for the Santa Barbara Field Office of the State Water Resource Control Board, Department of Drinking Water. Focus of the presentation was on California drinking water related regulations, those in process and those being planned for future implementation.



Staff Report

To: UWCD Board of Directors

Through: Mauricio E. Guardado, Jr., General Manager
Brian Collins, Operations and Maintenance Manager

From: John Carman, Programs Supervisor

Date: October 26, 2020 (November 10, 2020 Meeting)

Agenda Item: **5.4 Monthly Operations and Maintenance Department Report**
Information Item

Staff Recommendation:

Receive the monthly Operations and Maintenance Department report for October.

Summary:

- Lake Piru dropped 14.1 feet in October to 16,757 acre-feet (AF) of storage.
- 5073 AF of water was diverted by the Freeman Diversion facility in October.
- 376 AF of water was diverted to the Saticoy recharge basins in October.
- 3191 AF of surface water was delivered to the El Rio recharge basins in October.
- 783 AF of surface water was delivered to the PTP system in October.
- 747 AF of surface water was delivered to Pleasant Valley County Water District in October.

Discussion:

I. Major Facilities Update

The Freeman Diversion Facility Eddy Pump Sand Mitigation Project concluded on October 29, 2020. This project was a collaborative effort in every regard, with many departments contributing to the success. The 2020 conservation release includes a forecasted 31,795 AF of water released from Santa Felicia Dam, providing regional benefits that cannot be overstated, highlights include: 3148 acre AF of surface water delivered to agricultural users, 1,592,115 kWh of electrical use mitigated which saved approximately \$182K of pumping electrical costs.

Santa Felicia Dam

Lake Piru dropped 14.1 feet October 1, 2020 through September 1, 2020, to 16,757 AF of storage. On November 1, 2020 the lake level was 74.8 feet below the spillway lip.

On October 1, 2020, the cumulative rainfall measured at rain station 160 was 0 inches which does not meet trigger and date criteria, habitat water releases from Santa Felicia Dam (SFD) were

**Agenda Item: 5.4 Monthly Operations and Maintenance Department Report –
Information Item**

required to be minimally maintained at 7 cubic feet per second (cfs), for the month of October, as per the Water Release and Ramping Rate Implementation Plan for lower Piru Creek, although the 2020 conservation release will continue through November 8, 2020.

On August 7, 2020, staff initiated the 2020 conservation release from the SFD facility. As of November 1, 2020, approximately 29,811 AF have been released to date as part of the 2020 conservation release, the 2020 release is expected to continue through November 8, 2020.

District staff is managing the 2020 conservation release, utilizing ramp-ups and ramp downs of flows at Santa Felicia Dam to provide safe river entry conditions for staff, in support of Eddy Pump Dredge sediment removal at the Freeman Diversion. Declining lake levels have resulted in significant SFD staff time adjusting marina, barge, and anchor movements.

The hydroelectric generator is currently generating approximately 640 kW of power for sales to Southern California Edison (SCE).

SFD staff continues to provide support for the drilling and coring efforts managed by Engineering.

Freeman Diversion, Saticoy, and El Rio Recharge Facilities

The Freeman Diversion Facility Eddy Pump sand mitigation project concluded on October 29, 2020, staff removed approximately 1049 cubic yards of sand, while directly delivering surface water to every sector of the district.

In support of public outreach, staff provided Freeman Diversion tours to stakeholders, which included a regional impact presentation by the District's hydrology Team,

Staff prepared and painted the Flocculation building, Dos Diego electrical building and enclosure facilities at the Headquarters Facility.

Flows at the Freeman Diversion averaged 83 cfs for the month of October, with 111 cfs of surface water being diverted on November 1, 2020.

During the month of October, 376 AF of surface water deliveries were made to the Saticoy Recharge Facility.

During the month of October, 3191 AF of surface water deliveries were made to the El Rio Recharge Facility.

Static water levels (distance of water from the well pad to the water table):

	2020	2019	2018
Saticoy	119.8'	115.8'	153.3'
El Rio	107.3'	137.15'	155.56'
PTP	121' - 153'	135' - 179'	157' - 200'

**Agenda Item: 5.4 Monthly Operations and Maintenance Department Report –
Information Item**

Noble/Rose/Ferro Basins

0 AF of surface water was delivered to the Nobel & Rose basins during October.

Oxnard-Hueneme (OH) Delivery System

District staff and contractor General Pump removed OH Booster Pump #4 for rehabilitation. This rehabilitation project consists of 3 booster pump rehabilitations and may potentially include Southern California Electric (SCE) incentive funding. The project is currently 66% complete and is scheduled to be complete in November, 2020.

On October 15, 2020, staff reinstalled the OH Well #15 motor, rebuilt by Demaria Electric.

Staff completed the replacement of the Dempsey Road Mutual meter on October 20, 2020.

Pleasant Valley County Water District (PVCWD)

During October PVCWD received 747 AF of surface water from United and PVCWD continued to receive surface water from the Conejo Creek Project and also received some highly treated recycled water from the City of Oxnard's Advanced Water Purification Facility (AWPF).

Pumping Trough Pipeline (PTP)

District staff responded to mainline distribution pipeline leak on October 13, 2020. The upper end of the PTP system was isolated for 20 hours while contractor Travis Ag assisted with repairs. The lower end of the PTP system was supplied by PTP Wells during emergency repairs.

During the month of October, the majority of the PTP system demand was met with surface water deliveries from the Freeman Diversion facility. Based on current use trends, utilization of the PTP system wells will be used in a supplemental manner, if required.

Instrumentation

Staff are working in support of the upcoming Grand Canal expansion project. This project will include an update of the control programmable logic controller (PLC).

Instrumentation staff replaced booster pump variable frequency drive (VFD) #2 circuit board with ready service spare equipment to repair invalid speed feedback.

District staff installed an updated flow meter at Freeman Diversion canal to facilitate validation of current flow indications.

Lake Piru Water System

All chlorine residuals and turbidity readings for the drinking water system were within proper ranges for the month of October.

Monthly pH, turbidity and coliform samples were obtained for Lake Piru, as part of the Long Term 2 Enhanced Surface Water Treatment Rule compliance monitoring.

II. Other O&M Activities

1. The Santa Felicia Dam Emergency Action Plan sirens located in Piru were exercised on October 2, 2020.
2. On October 21, 2020 staff attended the Santa Paula Chamber of Commerce board meeting remotely.
3. The monthly inspection of Santa Felicia Dam was performed.
4. Monthly bacteria samples were obtained for the PTP system.
5. Radiological samples obtained on all OH system wells.
6. Monthly meter readings were obtained for the OH, PTP, and PV Pipelines.
7. Completed and electronically transmitted the monthly OH Pipeline report to the State Water Resources Control Board Division of Drinking Water.
8. Static water levels were obtained for all El Rio, Saticoy, and PTP wells.
9. Weed abatement continued throughout the District.
10. Contractor Quinn repaired starting issues with Gas Engines 1&2 and completed a manifold coolant leak repair on Gas Engine #2.
11. Action priority update biweekly meetings for operations staff were continued.
12. Disking was completed at Rose and Nobel basins.
13. Staff conducted semi-annual sand testing of all PTP wells

III. Safety and Training

During the month of October approximately 2,900 hours of work, within the O & M department, were performed with no reportable accidents. The YTD safety record is 1 recordable injury.

Two separate safety meetings were conducted on October 22 & 23, 2020, utilizing the Microsoft Teams application, to maintain social distancing practices and to accommodate the separately scheduled teams. Safety topic of the month was Bloodborne Pathogens Safety. Two videos were provided to staff entitled “*Vivid Learning Systems: Safety Tip - Bloodborne Pathogens & Bethel University*” and “*Cleaning and Decontaminating a Bloodborne Pathogens Spill.*” October was Distracted Driving Awareness Month, the El Rio team provided an in depth discussion and learning opportunity to the meeting attendees.

On October 22, 2020, a tailgate safety meeting was conducted at Saticoy for the Eddy Pump Project, which included the newly hired temporary Environmental Services staff.

On October 28, 2020 several staff attended the monthly virtual CCWUC Educational Program. The meeting topic was “Annual Update: California Division of Drinking Water Regulations” ” provided by Jeff Densmore, District Director, State Water Resource Control Board, Division of Drinking Water.

Staff has initiated the process of migrating all district facilities Safety Data Sheets to a user friendly application, meeting all Cal OSHA regulatory requirements.

Attachments: A - Operations Log for October

OPERATIONS LOG																										
DATE	SANTA FELICIA DAM								FREEMAN DIVERSION**					RECHARGE				IRRIGATION						O-H		
	SFD EI.	Stor.	Surface	Evap.	Inflow Balance	Outflow USGS	Hydro	Rain 106E	River	Diverted	Fish Facility	Bypass Channel	Crest	El Rio	Salicoy Facility		Noble/ Rose	Piru	T.I.D.	P.T.P.	PVCWD	L. P.	Salicoy Wells	Total	CI2	
	Ft.	A/F	Acres	Inches	Av. CFS	Av. CFS	Kw	Inches	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Misc CFS†	Weir CFS	Av. CFS	Av. CFS	A/F	A/F	A/F	%	A/F	A/F	A/F	Lbs.
A/F*		24912																								
10/1/20	995.40	25046	674.20	0.294	213	141	740	0.00	69	69	0	0	0	36.88	6	0	0	0.0	51.9	20.8	31.1	0.23	0.0	0.0	50.9	415
10/2/20	994.95	24744	667.80	0.256	3	152	730	0.00	68	68	0	0	0	38	6	0	0	0.0	47.2	19.9	27.3	0.20	0.0	0.0	51.0	407
10/3/20	994.50	24445	660.30	0.247	13	161	723	0.00	76	76	0	0	0	51.59	7	0	0	0.0	34.4	19.0	15.4	0.10	0.0	0.0	45.0	380
10/4/20	994.00	24117	652.40	0.269	-31	131	721	0.00	86	86	0	0	0	75.07	2	0	0	0.0	16.9	10.0	6.9	0.04	0.0	0.0	43.7	363
10/5/20	993.70	23922	648.00	0.217	5	101	736	0.00	72	72	0	0	0	60.76	-2	0	0	0.0	26.1	21.4	4.7	0.03	0.0	0.0	51.0	421
10/6/20	993.40	23729	643.60	0.255	7	101	730	0.00	55	55	0	0	0	37.98	4	0	0	0.0	24.7	20.1	4.6	0.04	0.0	0.0	43.8	388
10/7/20	993.10	23536	651.30	0.216	53	148	706	0.00	51	51	0	0	0	28.8	6	0	0	0.0	32.1	20.7	11.4	0.11	0.0	0.0	46.9	364
10/8/20	992.60	23218	644.20	0.156	2	160	703	0.00	71	71	0	0	0	32.04	9	0	0	0.0	59.5	26.0	33.5	0.24	0.0	0.0	50.4	398
10/9/20	992.05	22872	637.00	0.163	-12	161	700	0.00	82	82	0	0	0	41.23	6	0	0	0.0	68.9	24.5	44.4	0.27	0.0	0.0	49.9	407
10/10/20	991.60	22592	630.70	0.160	21	160	700	0.00	88	88	0	0	0	61.35	5	0	0	0.0	43.0	25.8	17.2	0.10	0.0	0.0	47.3	374
10/11/20	991.05	22253	624.20	0.120	-39	131	690	0.00	94	94	0	0	0	81.1	4	0	0	0.0	17.0	18.1	0.0	0.00	0.0	0.0	45.4	342
10/12/20	990.70	22039	620.70	0.150	-6	100	710	0.00	80	80	0	0	0	53.84	1	0	0	0.0	49.9	33.6	16.3	0.10	0.0	0.0	53.9	413
10/13/20	990.35	21826	617.50	0.251	26	130	705	0.00	57	57	0	0	0	29.31	3	0	0	0.0	48.4	20.1	28.3	0.25	0.0	0.0	50.6	412
10/14/20	990.00	21615	612.40	0.229	57	161	680	0.00	65	65	0	0	0	23.64	10	0	0	0.0	62.1	26.2	35.9	0.28	0.0	0.0	55.0	421
10/15/20	989.40	21256	606.90	0.216	-19	160	680	0.00	81	81	0	0	0	38.77	5	0	0	0.0	72.9	29.0	43.9	0.27	0.0	0.0	54.7	429
10/16/20	988.90	20960	601.90	0.210	13	160	670	0.00	84	84	0	0	0	37.1	6	0	0	0.0	80.6	36.5	44.1	0.27	0.0	0.0	54.8	433
10/17/20	988.40	20666	597.00	0.258	15	160	660	0.00	83	83	0	0	0	37.55	6	0	0	0.0	78.5	31.6	46.9	0.29	0.0	0.0	45.0	374
10/18/20	987.90	20375	591.20	0.204	-14	130	660	0.00	92	92	0	0	0	67.34	6	0	0	0.0	37.5	17.9	19.6	0.11	0.0	0.0	44.2	333
10/19/20	987.50	20144	586.40	0.173	-15	100	681	0.00	82	82	0	0	0	46.06	4	0	0	0.0	63.0	34.3	28.7	0.18	0.0	0.0	51.6	396
10/20/20	987.20	19972	582.40	0.158	33	118	678	0.00	66	66	0	0	0	28.54	5	0	0	0.0	65.6	31.0	34.6	0.26	0.0	0.0	47.6	371
10/21/20	986.75	19715	579.50	0.162	45	173	654	0.00	73	73	0	0	0	32.7	9	0	0	0.0	63.4	31.2	32.2	0.22	0.0	0.0	50.8	393
10/22/20	986.15	19376	579.50	0.124	15	185	640	0.00	103	103	0	0	0	65.43	8	0	0	0.0	57.1	25.0	32.1	0.16	0.0	0.0	47.5	380
10/23/20	985.30	18904	551.40	0.109	-52	185	630	0.00	114	114	0	0	0	80.69	11	0	0	0.0	44.1	27.1	17.0	0.08	0.0	0.0	48.9	0.65
10/24/20	984.60	18519	551.10	0.094	-53	140	625	0.00	119	119	0	0	0	89.62	12	0	0	0.0	35.7	23.0	12.7	0.05	0.0	0.0	43.6	337
10/25/20	984.40	18410	546.20	0.104	47	101	650	0.00	99	99	0	0	0	90.15	3	0	0	0.0	11.0	12.0	0.0	0.00	0.0	0.0	37.7	309
10/26/20	984.00	18193	543.00	0.186	61	168	623	0.00	80	80	0	0	0	59.53	-5	0	0	0.0	50.3	38.2	12.1	0.08	0.0	0.0	50.9	375
10/27/20	983.40	17869	538.20	0.257	-33	128	0	0.00	111	111	0	0	0	65.51	12	0	0	0.0	66.0	29.6	36.4	0.17	0.0	0.0	49.4	389
10/28/20	983.15	17735	542.10	0.203	18	83.7	0	0.00	80	80	0	0	0	32.66	10	0	0	0.0	73.6	44.0	29.6	0.19	0.0	0.0	51.0	409
10/29/20	982.70	17494	540.40	0.164	40	160	620	0.00	62	62	0	0	0	23.1	7	0	0	0.0	62.6	29.0	33.6	0.27	0.0	0.0	47.0	401
10/30/20	981.95	17097	535.40	0.174	-13	186	600	0.00	103	103	0	0	0	66.74	13	0	0	0.0	45.8	30.0	15.8	0.08	0.0	0.0	48.1	395
10/31/20	981.30	16757	530.20	0.178	0	170	600	0.00	118	118	0	0	0	80.59	12	0	0	0.0	51.7	24.6	27.1	12%	0.0	0.0	45.3	374
TOTAL CFS					403	4446		0.00	2562	2562	0	0	0	1594	190	0	0	0.0								
AVERAGE CFS					13	143			83	83	0	0	0	51	6	0	0	0.0								
TOTAL A/F					798	8802			5073	5073	0	0	0	3155	376	0	0	0.0	1542	800	743		0	0.0	1503	11604
MONTHLY REVENUE TO DATE (approx.)							\$20	K																		
AVERAGE A/F					26	284			164	164	0	0	0	102	12	0	0	0.0	50	26	24	15%	0	0.0	48	374
WATER YEAR TOTALS A/F					798	8,802		0.00	5,073	5,073	0	0	0	3,155	376		0	0.0	1,542	800	743		0	0	1,503	11,604
* Input total A/F previous month																										
** Daily averages imported from Ranch Systems																										
*** Fish facility flows include Denil fishladder, aux pipe and smolt bypass pipe																										
† Includes Ponds A, C, E, and I overflows, temporary storage in the desilting basin and Pond B, JLB diversions, losses between meters. Negatives mean prior storage from pond B or desilting basin is discharging to other metered sources.																										

Staff Report

To: UWCD Board of Directors

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

From: Clayton W. Strahan, Chief Park Ranger

Date: October 27, 2020 (November 10, 2020 Meeting)

Agenda Item: 5.5 Monthly Park and Recreation Department Report
Information Item

Staff Recommendation:

The Board will receive and review the Parks and Recreation Departmental report for October 2020.

Discussion:

The month of October brought more moderate weather to the recreation area, which was greatly appreciated by staff and guests alike. Visitation at the Recreation Area remained high for this time of year, particularly during the weekends. Notably, the September financial reporting (received 10/23) confirmed Staff's anecdotal observations on visitation in the park. September 2020 marked something of a turnaround for the Recreation Area, with a revenue increase of approximately 20% over September 2019 and the best monthly revenue yet of 2020. Rangers balanced patrols and interactions with the public while also completing numerous maintenance activities at the Recreation Area and other District properties. The primary infrastructure focus during October was irrigation systems, with significant effort going into the Day Use area to rehab valving, cracked pipes, and controllers. Additionally, the marina structure was repaired with the help of contractors, which will be very helpful as significant wind events increase and the winter season approaches.

Tasks and Activities

- October 1, 6, 7, 8: Rangers continued brush clearance work in the Olive Grove campground.
 - October 2, 5, 7, 8, 9, 13, 16, 18, 20, 24, 25, 28: Rangers moved the marina and courtesy dock to keep pace with the lake level as water was released from the Santa Felicia Dam.
 - October 4: Rangers moved the speed limit and closed area buoys throughout the lake to ensure boater safety as the lake level falls.
 - October 6: Rangers removed graffiti from several areas along Piru Canyon Road.
 - October 7: Rangers assisted with the coring project at the Santa Felicia Dam by keeping the southern end of the lake clear of recreational boaters to allow the helicopter to hoist supplies to and from drill sites safely.
 - October 8: Rangers completed trash pickup along Piru Canyon Road and in the Bobcat Cove area of the Recreation Area.
-

Agenda Item: 5.5 Monthly Parks and Recreation Department Report
Information Item

- October 9: Rangers continued clearance of dead brush near the marina, which was tangling the marina anchor lines and complicating movement of the marina.
- October 9, 12: Rangers completed repairs to the drip irrigation system in the Group 2 campsite.
- October 10: Rangers completed a cleanup operation on District property in the Santa Clara River downstream from the Freeman Diversion. After several hours, Rangers removed approximately 15 cubic yards of trash from the riverbed and are planning to return to the site to remove additional debris, while also installing new signage to prevent further negative activity on the parcel.
- October 13: Rangers assisted Groundwater staff by excavating a monitoring well in the Olive Grove campground.
- October 14, 24: Rangers cleaned the staff gauges on the Santa Felicia Dam to facilitate O&M staff daily reads.
- October 15, 21, 25: Rangers and SFD O&M staff assisted Parks Management Company personnel with the repair of multiple leaks and damaged irrigation lines in the day use area.
- October 19: Rangers supported contractors from Quality Ag, who completed repairs to the marina structure.
- October 22, 23: Rangers and SFD O&M staff repaired a leaking supply line to the Lake Piru Water Treatment Plant.

Training/Meetings/Events

- October 6: Rangers participated in a Recreation staff meeting to set goals and expectations for the weeks ahead.
- October 13, 14, 15: WIT Training
- October 22, 23: Rangers participated in the monthly District-wide safety meeting.
- October 19-23: During the week of October 19, Chief Park Ranger Clayton Strahan attended Clemson Universities Ron Walker Leadership Academy for Park Leaders. After 2 years of applying, Mr. Strahan was accepted into the program, which only accepts 12 participants annually. The program is widely viewed as the Nation's top leadership program for executive park managers and is highly competitive. In attendance with Mr. Strahan were the Deputy Director of Michigan's Department of Natural Resources, The Deputy Director of Kentucky State Parks, a Legislative Affairs Specialist for the National Parks Service who serves as a liaison to the White House and eight other of similar positions and backgrounds.

Revenue & Visitation Recap

2020 Revenue Recap & Comparison	
2019 Calendar Year (Jan.-Sep.)	\$ 945,062.48
2020 Calendar Year (Jan.-Sep.)	\$ 307,199.99
Total Revenue Increase/Decrease from Prior Year	-\$637,862.49

Revenue has been impacted by the park closure order due to COVID-19

Agenda Item: 5.5 Monthly Parks and Recreation Department Report
Information Item

2020 Total Visitation Figures				
Month	# Nights/Sites	# People	# Vehicles	# Vessels
January	127	739	339	26
February	197	1253	556	130
March	117	893	387	68
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
July	720	4307	1688	243
August	171	3478	1421	415
September	686	7781	3109	760
October				
November				
December				
TOTAL	2018	19539	7500	1642

*** Revenue figures for the month of October will not be provided to the District until November 20. Both visitation and financial reporting are typically 30 days in arrears. Staff will report this data at the time of the next regularly scheduled board meeting in December. ***

Incidents/Arrests/Medicals

There were 9 incidents of note during the month of October. They are listed as follows:

1. On 10/3/2020, Rangers responded to a non-injury traffic collision between two vehicles in the shoreline parking area. Rangers facilitated a peaceful exchange of information between the two vehicle owners.
2. On 10/3/2020, Rangers responded to a medical call at the marina. Rangers evaluated a juvenile patient who had been struck in the head by a wakeboard. Ventura County Fire and AMR responded and provided patient care. Ultimately, the patient's parents chose to transport the patient to a hospital in their vehicle.
3. On 10/3/2020, Rangers responded to a medical call at the marina and evaluated a juvenile patient who sustained a laceration to his foot while walking on the rocks along the shoreline. Rangers provided first aid at the request of the patient's guardians and no Fire response was required.
4. On 10/10/2020, Rangers responded to a medical call near the main parking lot. A juvenile patient crashed her bicycle while riding downhill, resulting in scrapes to her face, elbow, and knee. Rangers provided first aid at the request of the patient's guardian and no Fire response was required.
5. On 10/10/2020, Rangers responded to a report of a disturbance on the launch ramp and contacted two individuals who were engaged in a heated argument. Rangers intervened

Agenda Item: 5.5 Monthly Parks and Recreation Department Report
Information Item

prior to any physical actions by either party. No crime occurred and all parties were released.

6. On 10/10/2020 and 10/11/2020, Rangers investigated possible poaching occurring on UWCD property in the north end of Lake Piru. Rangers contacted five individuals in the process of validating a deer tag. After a brief investigation, there was evidence that the deer may have been taken on District property. Because the exact location of the animal and the exact boundary of District property was unclear, no enforcement action was taken at that time. Rangers documented the incident and the identification of all involved and passed the information on to the California Department of Fish and Wildlife for follow-up.
7. On 10/16/2020, Rangers responded to a report of a disturbance in the access road to the main parking lot. After a brief investigation, it was determined that the disturbance was a “road rage” incident in which one party felt that he had been placed in danger by the alleged driving behaviors of the other party. Rangers were unable to establish a crime and both parties were counseled and released.
8. On 10/16/2020, Rangers assisted four individuals who had run out of drinking water while fishing, were a significant distance from their vehicle, and were suffering from symptoms of dehydration. Rangers provided water and transportation back to their vehicle.
9. On 10/17/2020, Rangers responded to a medical call for an adult patient who had been stung by what is believed to be a yellowjacket. Rangers provided first aid and directed the patient to seek further medical care if he experienced symptoms of an allergic reaction.

Citations/Enforcement Summary

There were zero (0) citations issued during October.

Grants

Staff is continuing to actively monitor and evaluate all available grant opportunities. Staff recently became aware of a grant opportunity offered by Polaris to assist agencies with the purchase of ATV/UTV type vehicles. Staff is actively pursuing grant funding in this area to facilitate patrols of remote parts of District property not otherwise accessible by vehicle. Further updates regarding this grant opportunity will be provided as they become available.



Staff Report

To: UWCD Board of Directors

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

From: Maryam Bral, Chief Engineer
Dan Detmer, Supervising Hydrogeologist

Date: October 27, 2020 (prepared for November 10, 2020, meeting)

Agenda Item: **5.6 Monthly Water Resources Department Report**
Information Item

Staff Recommendation:

Receive a summary report on various Water Resources departmental activities.

Discussion:

As noted in our previous staff reports, the majority of staff continue to work from home and communicate via teleconferencing products during the Covid-19 pandemic.

Staff Activities

In addition to the Department's routine, ongoing groundwater monitoring and reporting program and its support of groundwater sustainability agencies (summarized in a separate staff report), notable efforts and activities conducted by staff during the past month included the following:

- Groundwater modeling:
 - Staff has expanded the active domain of United's numerical groundwater flow model to incorporate the Piru, Fillmore and Santa Paula basins. The model is now calibrated to observed groundwater elevations and surface water flows in the basins within District boundaries. Staff has completed the compilation and processing of pumping, water level, stream flow and diversion records for the years 2016-2019. These same records are now being used as a period of record to validate the original calibration over the years 1985-2015.
 - Staff is working with Ventura County Watershed Protection District staff to use their existing HSPF surface water flow model to simulate runoff from the upper Santa Clara River watershed for future model runs in support of area Groundwater Sustainability Agencies.
-

Agenda Item: 5.6 Monthly Water Resources Department Report
Information Item

- Staff has nearly completed the work required to apply climate change factors to historical streamflow records, as required to simulated future hydrology for the local GSAs.
- Staff continue to help the Environmental Services Department (ESD) evaluate effects of existing and potential future surface-water flow conditions at the Freeman Diversion.
 - Staff are assisting ESD in evaluating fish passage modifications under consideration for United's Habitat Conservation Plan (HCP).
- Staff continue to assist with planning and coordination for release of Table A water and supplemental State Water Project water acquired from the Santa Clarita Valley Water Agency and the City of San Buenaventura.
- Staff are analyzing sediment load at the Freeman Diversion and removal options for accumulated sediment from the desilting basin.
- Staff continue to support the Engineering Department with development and design of new water-supply projects within the District's service area.
- Staff completed the "fall low" monitoring run for groundwater elevations.
- Staff led or participated in the following public outreach activities:
 - Murray McEachron provided Freeman Diversion tours to six groups of interested parties, including local growers, water managers and regulators.
 - John Lindquist participated in the Oxnard Union High School District Agriculture, Green Technologies & Natural Resources Committee (semi-annual) Meeting, providing suggestions for improving educational and vocational opportunities for local students interested in pursuing careers in the listed fields.
- Staff participated in the following educational activities:
 - Murray McEachron and Jason Sun gave presentations at the October 22 meeting of the Santa Clara River Watershed Committee. Murray presented on United's reservoir releases in 2019 and 2020, and Jason presented on the expansion and calibration of United's groundwater flow model.



Staff Report

To: UWCD Board of Directors

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

From: Maryam Bral, Chief Engineer
Dan Detmer, Supervising Hydrogeologist

Date: October 27, 2020 (prepared for November 10, 2020, meeting)

Agenda Item: **5.7 Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA) Information Item**

Staff Recommendation:

Receive a summary report of Water Resources Department activities related to the Sustainable Groundwater Management Act (SGMA) and Groundwater Sustainability Agencies (GSAs) for the groundwater basins within District boundaries.

Discussion:

Fox Canyon Groundwater Management Agency (FCGMA)

Staff continue to monitor and, where appropriate, participate in the FCGMA's groundwater sustainability planning and implementation efforts in the Oxnard, Pleasant Valley, and Las Posas Valley (western management area) basins, as follows:

Board of Directors meetings –

The next regular FCGMA Board meeting is scheduled for October 28 at 1:30 pm. The meeting will be held after the submission of this report and, therefore, a summary will be included in next month's staff report. Notable agenda items include:

- Consider adoption of "Resolution 2020-05 imposing a fee of \$20.00 per acre-foot (AF) on groundwater extractions to establish a reserve fund to be used to pay the cost and expenses of legal actions and proceedings related to implementation of the Agency's groundwater sustainability program."
 - Consider adoption of a "proposed ordinance to establish a new pumping allocation system for the Las Posas Valley Basin."
-

Agenda Item: 5.7 Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA)
Information Item

- Receive a presentation from Agency staff on “a proposed ordinance to establish adjusted extraction allocations to be used for the periods leading up to January 1, 2021, when the Agency intends to transition to water year reporting of groundwater extractions.”
- Consider adoption of “an ordinance to amend the ordinance to establish an allocation system for the Oxnard and Pleasant Valley groundwater basins to reduce the potential for imposition of surcharges on extractions during the water year beginning October 1, 2020.”

OPV Core Stakeholder Group meetings –

The OPV Core Stakeholder Group held virtual meetings on October 13 and October 27. The main topics of discussion have been ramp-down of pumping and what the final target should be for achieving sustainable basin conditions.

The Projects Committee of the OPV Core Stakeholder Group held virtual meetings on October 8 and 22. The main topics of discussion at these meetings have been updating the yields, timelines, and costs for the projects included in the FCGMA’s GSPs for Oxnard and Pleasant Valley basins, and considering new projects that have been proposed since release of the GSPs (including optimization of pumping in the basin and United’s brackish-water extraction and treatment concept).

United also attended the October 14 and 28 meetings of the Legal Ad Hoc Committee of the OPV Core Stakeholder Group. Discussions by this committee are subject to a non-disclosure agreement.

Fillmore and Piru Basins Groundwater Sustainability Agency (FPBGSA)

Staff continue to participate in FPBGSA activities supporting SGMA compliance and GSP preparation for the Fillmore and Piru basins, as follows:

Board of Directors meetings – The FPBGSA held a regular Board meeting on October 15. Notable topics included:

- A discussion of Sustainable Management Criteria (SMC) and how to better engage stakeholders in developing these criteria, a central component of Groundwater Sustainability Plans.
- Planning for Stakeholder Workshop #3.
- A contract amendment for Daniel B. Stephens & Associates to assist in the siting, design, construction and reporting on new monitoring wells in the Piru and Fillmore basins.

A Special Board Meeting to discuss SMCs is scheduled for November 4 at 5:00 pm. The next regular FPBGSA Board meeting is scheduled for November 19 at 5:00 pm.

Communication and Outreach – A Stakeholder Workshop was held on October 1. The meeting was conducted via teleconference and discussed potential sustainable management criteria for the Fillmore and Piru Basins.

Agenda Item: 5.7 Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA)
Information Item

GSP preparation – Consultant DBS&A reported progress on various work products in support of GSP development and noted the availability of a web-based data management and mapping system that includes well construction information and available water level and water quality records for wells within the Piru and Fillmore basins.

Modeling – Staff have completed the hydrostratigraphic conceptual model for the Santa Paula, Fillmore, and Piru basins, and have completed calibration of the active domain of United's numerical groundwater flow model for the base period years 1985-2015. Over the past two months staff has compiled records to update and validate the model for the years 2016-2019.

Mound Basin Groundwater Sustainability Agency (MBGSA)

Staff continue to participate in MBGSA activities supporting SGMA compliance and GSP development for the Mound basin, as follows:

Board of Directors meetings –

The MBGSA held a regular Board meeting on October 15. Notable topics included:

- MBGSA continues to pursue installation of monitoring wells through DWR's Technical Support Services (TSS) grant program for GSP development and implementation. Executive Director Bryan Bondy provided an update on the progress, stating that time remaining to submit a complete grant application is limited, and the MBGSA is working with the City on the coastal development permit for the preferred monitoring-well location.
- Executive Director Bondy summarized the level of participation and what was learned from poll results taken during the September 3 Stakeholder Workshop No. 1. He further discussed participation of each interest group and recommendations to increase public engagement.
- MBGSA staff is working with UWCD and Fillmore-Piru GSA staff and consultants on developing consistent input for modeling future groundwater conditions in the region. Mr. Bondy introduced some of the assumptions, including hydrologic time period, climate change, trends in agricultural and municipal pumping, and land use.
- The draft Sustainability Goal for Mound Basin was reviewed and adopted by the Board with minor edits.

GSP preparation – United staff continue to compile and review data to support preparation of the Mound basin GSP, in general accordance with United's agreement with the MBGSA. United staff continue to meet or correspond periodically with the Mr. Bondy and the MBGSA's GSP consultant (Intera) to coordinate GSP planning and preparation efforts. United is currently focused on supporting sections of the GSP regarding groundwater monitoring. In the coming weeks, United's GSP support will focus on using its model to evaluate past, present, and future water balances in Mound Basin, as required under SGMA.

**Agenda Item: 5.7 Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA)
Information Item**

The next regular MBGSA Board meeting is scheduled for November 19 at 1:00 pm.

Santa Paula Basin Technical Advisory Committee (TAC)

Staff continue to participate in the Santa Paula basin TAC in support of the Santa Paula Basin Judgment and in conformance with SGMA reporting requirements for adjudicated basins, as follows:

- The Santa Paula Basin Annual Report for 2019 has been submitted to the Court as required under the Santa Paula Basin Judgment.
- The TAC meeting scheduled for June 2020 has been postponed for later in the year; a specific date and time have not been selected yet. It is anticipated that the Technical Working Group of the TAC will meet prior to the next TAC meeting, to discuss the current status of United's groundwater flow model expansion and how the effectiveness of the proposed yield-enhancement measures might be forecasted using the model. The Technical Working Group is also expected to discuss the "Triggers" proposal/memorandum at an upcoming meeting.



Researchers Probe Deaths of Central Valley Chinook, with Possible Ties to Ocean Changes

October 28, 2020

Deficiency in Vitamin B1 linked to higher juvenile mortality in California fish hatcheries.

Feature Story | [West Coast](#)



Offspring of endangered female winter-run Sacramento River Chinook salmon that had been injected with thiamine on their return to the Livingston Stone National Fish Hatchery. Biologists brought them to UC Davis as embryos and then examined them to tell if the fish that received supplemental thiamine injections produced healthier offspring. Photo by Heather Bell/UC Davis.

Scientists from several fish and wildlife agencies have launched a rapid research and response effort for deficiency of thiamine, or Vitamin B1. This deficiency was recently found to be increasing juvenile mortality among Chinook salmon in California's Central Valley.

The magnitude of its effect is not clear. However, it could be a risk to Chinook stocks, including endangered winter-run Chinook salmon and the fishery for fall-run Chinook salmon.

In early 2020, staff at state and federal salmon hatcheries in California's Central Valley observed newly hatched offspring of adult Chinook salmon that spawned in 2019. They were swimming in corkscrew patterns and dying at unusually high rates. Researchers at the U.S. Fish and Wildlife Service's California-Nevada Fish Health Center eliminated infectious diseases as the cause. Then, they noticed that a bath of thiamine immediately revived the ailing juveniles.

They suspect the problem is linked to a deficiency of thiamine in the returning adult salmon that fed off the coast of central California in 2018 and 2019. This was a time of booming anchovy

populations and scarcity of other typical salmon prey. Anchovies produce an enzyme called thiaminase that breaks down thiamine, which typically supports nerve, muscle, and heart function.

Scientists hypothesize that female Chinook salmon preying heavily on anchovy in the ocean returned to Central Valley rivers and streams with low thiamine concentrations in their eggs. The concentrations were so low it caused Thiamine Deficiency Complex, or TDC, in their offspring.

Winter-run Chinook Salmon With Thiamine Deficiency

Two winter-run Chinook at a UC Davis laboratory show symptoms of thiamine deficiency: one on its side on the bottom and another revolving in a corkscrew pattern. The affected fish would be easy targets for predators. Two other fish behave normally.

Impacts in Rivers Unclear

Biologists have observed TDC in multiple Central Valley Chinook salmon hatcheries, where they have proven methods for treating the condition. However, they know little about effects on naturally spawned juvenile salmon in rivers, where similar treatment is not possible.

Now scientists from NOAA Fisheries, U.S. Fish and Wildlife Service, California Department of Fish and Wildlife, U.S. Geological Survey and academic partners are researching the cause and impacts of TDC on California salmon.

The research includes a major marine focus. Scientists from the NOAA Fisheries Southwest Fisheries Science Center are getting help from fishermen to sample salmon and document what they are eating offshore. Scientists at University of California Davis and the U.S. Fish and Wildlife's Livingston Stone National Fish Hatchery are also collaborating. They are investigating the effectiveness of thiamine injections in pre-spawning adult female winter-run Chinook salmon to mitigate TDC impacts on juvenile salmon behavior, performance, and survival.

Surveys off the West Coast in 2019 found the highest abundances of northern anchovy off central and southern California since systematic surveys began in 1983. The [2019 annual report](#) of the California Cooperative Oceanic Fisheries Investigations called the conditions a “novel anchovy regime.” Fishermen reported catching salmon with stomachs full of anchovy, but not other typical prey items such as krill, squid, juvenile rockfish, or sardines.

“We are trying to understand how the unusual ocean conditions off the West Coast in recent years affect the salmon that spend much of their lives in these waters,” said research scientist Nathan Mantua of the Southwest Fisheries Science Center.



Staff at the U.S. Fish and Wildlife Service's Livingston Stone National Fish Hatchery prepare egg samples from endangered winter-run Chinook salmon for further study at UC Davis. Photo: Travis Webster/U.S. Fish and Wildlife Service

First Time Documented in California

Large populations of anchovy and some other marine forage fish have been found to cause deficiencies of thiamine among predators that consume them in other parts of the world, including the Great Lakes and Baltic Sea. Research in Alaska indicated thiamine deficiency may have reduced productivity of western Alaska's Chinook salmon in the mid-2010s.

This is the first time TDC has been documented in California salmon.

"We had never seen TDC issues at the Coleman National Fish Hatchery prior to this year, but the Service has some experience dealing with it at some of our other hatcheries back east," said Bob Clarke, deputy assistant regional director for Fish and Aquatic Conservation with the U.S. Fish and Wildlife Service. "Once our staff began to suspect TDC, we were able to move very quickly to a diagnosis and treatment for these hatchery fish."

Researchers and fisheries managers are concerned about potential impacts on endangered winter-run Chinook salmon, which spawn in the Sacramento River below Shasta Dam. Recent drought years took a toll on the species. Winter-run Chinook rely on cool water released from Lake Shasta to keep their incubating eggs and embryos alive.

At Livingston Stone National Fish Hatchery, U.S. Fish and Wildlife Service biologists have injected some returning female winter-run Chinook salmon with thiamine. That will help determine whether such supplementation reduces the likelihood of TDC in their offspring.

"This is similar to women taking prenatal vitamins when they are pregnant to make sure their babies get the important vitamins they need," said Rachel Johnson, a research fishery biologist at the Southwest Fisheries Science Center and a leader of the research. "We are giving female salmon a nutritional boost to help produce healthy young fish."

Less Visible Effects

Researchers are also concerned, however, about lingering, "sub-lethal" effects of TDC. Treating young fish in hatcheries may correct visible effects such as swimming in circles. While low levels of thiamine may not directly kill the juvenile fish, it may make them weak to fighting off diseases or escaping predators as they migrate into the ocean and back.

"That is a very real risk, but it is also very difficult to measure," Johnson said. "The outcome is the same whether there is initial reproductive failure or whether juveniles die later due to their poor physical condition—fewer fish in the ocean for marine mammals to eat or for us to catch."

Scientists will track the eventual fate of juvenile fish that had shown signs of TDC, including whether they were treated. That will help understand the magnitude of any sub-lethal risk to juvenile fish, and what might be done to reduce it.

“Thiamine Deficiency Complex is one example of how events in one ecosystem can have repercussions in others. We need to observe and better understand ongoing changes in ocean and freshwater ecosystems, and be ready for surprises,” said Steve Lindley, director of the Southwest Fisheries Science Center’s Santa Cruz Laboratory.

More Information

- [Sacramento River Winter-run Chinook Salmon](#)
- [NOAA Fisheries Central Valley Office](#)
- [U.S. Fish and Wildlife Service California-Nevada Fish Health Center](#)



California Special
Districts Association
Districts Stranger Together



A MESSAGE FROM YOUR PUBLIC AFFAIRS FIELD COORDINATOR



October 2020 Take Action Brief

September 30 marked the final day for Governor Gavin Newsom to sign or veto the hundreds of bills the State Legislature managed to pass in the midst of the COVID-19 pandemic.

In this month's Take Action Brief, read about CSDA-sponsored legislation (AB 2107) re-authorizing a special district financing tool, discussions about potential Brown Act revisions, plus an important California Supreme Court case involving Prop 218.

CSDA Recognizes Coastal Network Members for Outstanding Achievements

Congrats to these members for earning the following CSDA awards:

Conejo Recreation & Park District

- 2020 Board Member of the Year George Lange
- Exceptional Public Outreach & Advocacy Award - Large District

United Water Conservation District

- District Transparency Certificate of Excellence



Welcoming the Consortium's Inaugural Steering Committee

Tara Moran - October 14, 2020

I am thrilled today to announce the [California Water Data Consortium's](#) (Consortium) inaugural Steering Committee. Seating the Steering Committee represents another major step forward for the Consortium and for open and transparent water data in California. In partnership with our Board, the Steering Committee will guide and implement the Consortium's programmatic objectives and priorities; oversee the development and ongoing efforts of project-specific working groups; and foster active conversation between the Consortium and the [Partner Agency Team](#) charged with implementing AB 1755.

The 11-member Steering Committee represents six state agencies, academia, nongovernmental organizations, local agencies, and the private sector. Each member will serve a two-year term and brings a wealth of knowledge and experience in the collection, publication, and use of water and ecological data.



The Steering Committee members are:

Deborah Agarwal, Department Head & Senior Scientist, Data Science and Technology Department, Lawrence Berkeley National Laboratory

Mike Antos, Senior Integrated Water Management Specialist, Stantec Consulting, and Visiting Scholar, UC Irvine Anthropology

Drew Atwater, Director of Finance and Water Resources, Moulton Niguel Water District and Committee Chair, California Data Collaborative

Christina Babbitt, Senior Manager, California Groundwater Program, Environmental Defense Fund

Joy Bonaguro, Chief Data Officer, Government Operations Agency

Martha Davis, Retired, Assistant General Manager/Executive Manager for Policy Development, Inland Empire Utilities Agency

Joaquin Esquivel, Chair, State Water Resources Control Board

David Harris, Enterprise Data Services Manager, California Natural Resources Agency Data Center

Nick Martorano, Director, California Water Quality Monitoring Council

Christina McCready, Lead, AB 1755 Partner Agency Team, Department of Water Resources

Susan Tatayon, Chair, Delta Stewardship Council

The Steering Committee's work and leadership will be essential to ensuring the Consortium advances the interests of communities who publish, report, generate, and use public water data. The Board and I are eager to have their honest engagement across our work and in achieving our mission of advancing data-informed water management decisions for a more resilient water future for all Californians.

Over the next two years, the Steering Committee members will volunteer a significant amount of time and energy to build the Consortium and shape its priorities. In addition to being ambassadors for the Consortium, their responsibilities include:

- working with the Consortium board of directors and staff to collaboratively develop strategic goals and a work plan to support those goals;
- developing and overseeing the activities of the Working Groups; and
- working with the Consortium's board of directors and staff to identify funding opportunities and resources to support Consortium, Steering Committee and Working Group activities.

While I'm excited to get to work with this impressive and dedicated group of individuals, I want to say thank you to the many amazing individuals who applied to be on the Steering Committee. I am so appreciative of all the applicants for their thoughtful ideas and interest. One of my first priorities with the Steering Committee is to develop other venues for community participation and engagement in the Consortium, including through working groups, sector-specific outreach meetings, and public events.

Please join me today and on October 22 in welcoming our first Steering Committee members and supporting them as we advance cross-sector collaboration on open water data together.



Trump Makes Water Demand of Farms Priority for New Office

President Donald Trump is creating what he calls a “subcabinet” for federal water issues.

By [Associated Press](#), Wire Service Content Oct. 13, 2020, at 8:57 p.m.



President Donald Trump arrives for a campaign rally at John Murtha Johnstown-Cambria County Airport, Tuesday, Oct. 13, 2020, in Johnstown, Pa. (AP Photo/Evan Vucci) The Associated Press

By ELLEN KNICKMEYER, Associated Press

President Donald Trump on Tuesday created what he called a “subcabinet” for federal water issues, with a mandate that includes water-use changes sought by corporate farm interests and oil and gas.

An executive order from Trump put Interior Secretary David Bernhardt and Environmental Protection Agency Administrator Andrew Wheeler in charge of the interagency water body.

Establishment of a water subcabinet “will streamline decision-making processes” across federal agencies, the EPA said in a statement.

The first priority set out by the executive order is increasing dam storage and other water storage, long a demand of farmers and farm interests in the West in particular. That includes California’s Westlands Water District, the nation’s largest agricultural water district. Westlands was one of Bernhardt’s main lobbying and legal clients before his appointment to the Interior Department under Trump.

Asked about whether the move would benefit his old client or represent a conflict for Bernhardt, Interior Department spokesman Nicholas Goodwin said, “The Secretary is resolute in upholding his legal and ethical responsibilities.”

The Interior Department has said previously Bernhardt follows ethics rules and the law in federal government actions involving the water district and other past clients.

Environmental groups say the amount of water sought by corporate farming would leave habitats and wildlife without enough water to survive.

Another of the many directives for the new interagency is implementing a water reuse plan. Oil and gas companies have supported one aspect of the plan that could allow them to dispose of briny, often chemical-laden oilfield wastewater on crops or in aquifers.

SCV Water awarded \$10 mil in grants

- [Raychel Stewart](#)
- October 12, 2020



SCV Water hosted a virtual ribbon cutting ceremony at a new water treatment facility near Auto Center Drive in Valencia Monday, October 05, 2020. Bobby Block / The Signal.

The Santa Clarita Valley Water Agency received \$10.5 million in grants from the California Department of Water Resources to fund five local projects related to recycling and water-quality improvements.

Granted through the DWR Integrated Regional Water Management, SCV Water received Proposition 1 grant funds, which was part of a \$37 million award given to Los Angeles and Ventura County meant to address California's critical water needs and build regional self-reliance.

"Every Californian has the right to clean and reliable water," said DWR Director Karla Nemeth in a recent DWR news release. "We are proud to support these projects as they demonstrate our continued effort in advancing the human right to water."

SCV Water will use the grants to fund five projects, which include:

- \$3 million for the Recycled Water Project, which will add one more phase to the existing recycled water system, which provides recycled water for irrigation needs to reduce using potable water.
- \$3 million for the Valencia Water Reclamation Plant Advanced Water Treatment Facility Enhanced Membrane System, which will construct advanced treatment facilities to meet regulatory water quality objectives and protect downstream reaches of the Santa Clara River and underlying groundwater basins.
- \$1 million for the Los Angeles County Hasley Canyon Park Stormwater Capture Project, which will construct stormwater capture facilities to divert and treat dry and wet weather flows for groundwater conservation.
- \$365,840 for mapping and managing invasive weeds in the Santa Clara River Watershed, which will remove invasive plants from the watershed and increase water quality.
- \$3 million for the Newhall Memorial Park Stormwater Retrofit Project, which will install a regional infiltration facility for stormwater recharge underneath the park to treat and infiltrate stormwater.

“An additional \$216,800 was awarded to SCV Water for multi-year grant administration, which includes coordination between SCV Water, project owners and the Department of Water Resources for submission of progress reports and required documentation, project and grant completion reports, and periodic invoicing required to draw down grant funding,” according to an SCV Water press release.

“We’ve worked really hard to get to this point,” SCV Water Principal Water Resources Planner Rick Viergutz said in the release. “And we’re just getting started. We’re looking ahead to implement these projects and improve the overall sustainability of our local water resources, now and for the future.”

SCV Water celebrates new water-treatment plant

- [Tammy Murga](#)
- October 6, 2020



SCV Water hosted a virtual ribbon cutting ceremony at a new water treatment facility near Auto Center Drive in Valencia Monday, October 05, 2020. Bobby Block / The Signal.

Santa Clarita Valley Water Agency officials virtually celebrated Monday the completion of a new water treatment plant, next to the William S. Hart Pony Baseball & Softball park, which is meant to restore groundwater affected by a suspected manmade carcinogen.

“Our top priority is our customers. This new treatment facility is an investment in our long-term water supply and is providing safe, high-quality water to thousands of Santa Clarita Valley residents,” said SCV Water’s General Manager Matt Stone. “Our SCV Water team is also hard at work to bring additional treatment facilities online.”

The plant, located adjacent to the Hart fields parking lot, is considered one of the first in California that combats per- and polyfluoroalkyl substances, or PFAS, from groundwater — the first of potentially two others expected to be in full operation by 2022, according to officials.

With annual operating costs of about \$600,000, the new facility provides sufficient water for 5,000 households in the SCV and, with two more plants in the coming years, 4,000 more households will be provided water every year.

Officials also announced that three wells previously impacted by PFAS have also returned for service, costing upwards of \$6 million, according to Mike Alvord, director of operations and maintenance for the agency.

“Restoring this water supply is accomplished through an ion exchange process, which absorbs the PFAS chemicals, removing it from the water,” he said. “The water flows through these six vessels that are filled with this resin, goes through a series of pumps and motors and enters a very sophisticated chloramination disinfection facility, which uses self-generated chlorine mixed with ammonia to disinfect our drinking water. This process, which uses chloramines, reduces the amount of disinfection byproducts and has fewer taste and odor problems as we are wrapping up construction at this facility.”

Completion comes after the agency commenced work a year ago to remove PFAS from the groundwater in the Santa Clara River. The human-made chemicals are found in a wide range of products used by consumers and industries, such as carpets, nonstick cookware and paper food packaging, according to the U.S. Food and Drug Administration.

“SCV Water and other water agencies did not put these chemicals into our water, but over time very small amounts may enter our groundwater supplies through manufacturing and product use and wastewater discharge, which are all potential sources for PFAS,” said an agency video played during a virtual ribbon-cutting event.

In August 2019, officials found trace amounts of PFAS in 17 of its wells, requiring them to notify key agencies about the discovery. The trace amounts were so minuscule that none of the wells required being shut down under state-set guidelines.

At the time, water officials voiced concern over what to do if the state lowered the threshold for contamination to a point where the wells could possibly shut down. The board decided at the time to get the necessary water treatment equipment up and running as soon as possible rather than wait for the state.