

AGENDA
ENGINEERING & OPERATIONS COMMITTEE
Thursday, July 2, 2020, at 9:00 am
Boardroom, 1701 North Lombard Street, Oxnard CA 93030

Meeting attendees should be aware that the meetings of the Committee are, as required by law, open to the public and the District has very limited powers to regulate who attends Committee 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 Engineering and Operations Committee Meeting,
people may choose to participate virtually
using the Webex video conferencing application.**

**If you are new to Webex video conferencing,
please visit this test page in advance of the meeting date and time:**

<https://www.webex.com/test-meeting.html>

To access the meeting, click on this link:

[https://unitedwaterconservationdistrict.my.webex.com/unitedwaterconservationdistrict.my/j.php?
MTID=ma356ac97c15e52cbca7becf8c2ead4e2](https://unitedwaterconservationdistrict.my.webex.com/unitedwaterconservationdistrict.my/j.php?MTID=ma356ac97c15e52cbca7becf8c2ead4e2)

Meeting number: 126 506 3495 Password: EngOps (364677 from phones)
Join by phone call in to +1-408-418-9388 (toll rates apply) Access code: 126 506 3495

Call to Order – Open Session

1. Public Comment (Proposed Time: 5 minutes)

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

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

The Committee will review the minutes from the May 7, 2020 Committee meeting.

3. July 8, 2020 Board Meeting Motion Agenda Items (Proposed Time: 5 minutes)

3.1 Accept Utility Easement Deeds at Pumping Trough Pipeline Turnout No. 148

(Engineering Department)

The committee will review the Utility Easement Deeds at Pumping Trough Pipeline Turnout No. 148.



4. Project Highlights

4.1 El Rio Iron and Manganese Project Update (Proposed Time: 15 minutes)

4.2 PTP Backup Generators Update (Proposed Time: 10 minutes)

4.3 Freeman Diversion Sediment Removal Project Update (Proposed Time: 5 minutes)

4.4 EPCD Project Highlights (Proposed Time: 15 minutes)

5. Departments Monthly Updates Provided

5.1 Engineering Department - Staff Report

5.2 Operations and Maintenance Department - Staff Report

5.3 Recreation Department - Staff Report

5.4 Environmental Department - Staff Report

Staff is available to answer questions regarding the Monthly Reports

6. Future Agenda Topics (Proposed Time: 5 minutes)

ADJOURNMENT

Directors:

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

Staff:

Mauricio E. Guardado Jr.	Dr. Maryam Bral
Anthony Emmert	Craig Morgan
Brian Collins	Michel Kadah
Robert Richardson	Linda Purpus
Adrian Quiroz	
Clayton Strahan	

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, 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

Dr. Maryam Bral, Chief Engineer

Posted: (date) June 26, 2020

(time) 11:45a.m.

(attest) Destiny Rubio

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

Posted: (date) June 26, 2020

(time) 11:50a.m.

(attest) Destiny Rubio

At: www.unitedwater.org



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
ENGINEERING & OPERATIONS
COMMITTEE MEETING

Thursday, May 7, 2020, 9:00 A.M.

Board Room

UWCD, 1701 North Lombard Street, Oxnard CA 93030

In addition to its public Engineering and Operations Committee Meeting, UWCD provided virtual access to the meeting via the Webex video conference application.

COMMITTEE MEMBERS

Lynn E. Maulhardt, Chair
Edwin T. McFadden III (participated via Webex)
Daniel C. Naumann

STAFF ATTENDING

Mauricio E. Guardado Jr, General Manager
Anthony Emmert, Assistant General Manager (participated via Webex)
Robert C. Siemak, Assistant General Manager (participated via Webex)
Dr. Maryam Bral, Chief Engineer (participated via Webex)
Brian Collins, Operations and Maintenance Manager (participated via Webex)
Clayton Strahan, Senior Park Services Officer (participated via Webex)
Dan Detmer, Supervising Hydrogeologist (participated via Webex)
Erik Zvirbulis, Engineering Technician (participated via Webex)
Josh Perez, Human Resource Manager (participated via Webex)
Adrian Quiroz, Assistant Engineer (participated via Webex)
Michel Kadah, Associate Engineer (participated via Webex)
John Lindquist, Senior Hydrogeologist (participated via Webex)
Craig Morgan, Senior Engineer (participated via Webex)
Robert Richardson, Senior Engineer (participated via Webex)
Evan Lashly, Associate Ecologist (participated via Webex)
Zachary Plummer, IT Administrator
Destiny Rubio, Administrative Assistant (participated via Webex)

Public Present

Tony Morgan (participated via Webex)

OPEN SESSION:

Chair Maulhardt called the Engineering & Operations Committee Meeting to order at 9:01 am.

1. Public Comment

Chair Maulhardt asked if there were any public comments for the Committee. None were offered.

2. Approval of Minutes

Motion to approve the Minutes from the March 5, 2020 Engineering and Operations Committee meeting, Director Maulhardt; Second, Director Naumann. Voice vote, three ayes (Maulhardt, McFadden, Naumann). None opposed. Minutes approved unanimously.

3. Amendment to Stillwater's Professional Services Agreement

Assistant Ecologist Evan Lashly provided updates on an amendment to UWCD's professional services agreement with Stillwater Sciences. Evan Lashly asked for the Committee's recommendation to the Board to authorize the General Manager to amend the current agreement with proposed language approved by the District's legal counsel. Discussion ensued among the committee members and staff. Assistant General Manager Tony Emmert provided comments on how Stillwater Sciences has been helpful in providing services essential to complete the MSHCP and how essential this amendment is for the MSHCP. The committee agreed to recommend the Board to amend the current professional services agreement with Stillwater.

4. Project Highlights

A. Santa Paula Tower Project Update

Operations and Maintenance Manager Brian Collins provided updates and slides regarding the Santa Paula Tower Project (see attached). The committee had no further questions or comments.

B. Brackish Groundwater Treatment Plant Update

Chief Engineer Maryam Bral provided updates and slides regarding the Brackish Groundwater Treatment Plant Project (see attached). Discussion ensued among the committee members and staff. Chair Maulhardt provided comments on the capacity on the footprint of the treatment plant and asked about United's correspondence with the Navy. Maryam Bral went into depth on how United has been corresponding with the Navy, how the workflow has continued, and that the Navy is as motivated as United with this project.

C. Recycled Water Project Update

Chief Engineer Maryam Bral provided updates and slides regarding the Recycled Water Project (see attached). Discussion ensued among the committee members and staff. Chair Maulhardt had questions regarding the City of Oxnard's involvement in the project. Maryam Bral provided comments stating that they have scheduled a meeting with the City of Oxnard to discuss their Recycled Water program. Chair Maulhardt also asked what the committee can do to further this project, Maryam Bral provided comments stating that this project was a direct result of the Water Sustainability Summit and that is why she chose to provide an update on Recycled Water.

5. Department Monthly Updates

A. Engineering Department

Engineering department provided a monthly staff report for committee members review. Committee members had no further comment or question other than it was a wonderful report.

B. Operations and Maintenance Department

Operations and Maintenance department provided a monthly staff report for committee members review. Discussion ensued among the committee members and staff. Chair Naumann had questions regarding static water levels stated in the staff report and current diversions. Brian Collins answered Chair Naumann's questions and stated that currently there are no diversions.

C. Recreation Department

Recreation department provided a monthly staff report for committee members review. Discussion ensued among the committee members and staff. Chair Maulhardt addressed comments in the staff report pertaining to unauthorized fishing in Lake Piru. Chief Park Services Ranger Clayton Strahan went into detail on the operations that have been conducted to prevent the spread of COVID-19 and research he has found for potential reopening of the day use areas and the docks. Chief Park Services Ranger Strahan stated that depending on orders, the middle of May could be a potential reopen date. Chair Naumann addressed the feasibility of this and the bottlenecks associated with reopening the facilities. The committee members and General Manager Mauricio Guardado agreed that Chief Park Services Ranger Strahan should create a skeleton plan for a phased approach to reopening the facilities ahead of the upcoming Board Meeting, this way it is not postponed until the next meeting and United does not miss the wave of eager campers.

D. Environmental Department

Environmental department provided monthly staff report for committee members review. Chair Maulhardt addressed the MSHCP and how remarkable the progress has been, he also wanted an update on United's efforts on Quagga Mussels. Assistant Ecologist Evan Lashly provided updates on the latest pilot study that has been completed and Assistant Ecologist Tessa Lenz's work with the divers. Mr. Lashly stated that UWCD Quagga Mussel operations are currently not in progress due to COVID-19. Chief Engineer Maryam Bral also provided comments on the Engineering departments involvement with Quagga Mussels and stated that staff was involved in the first pilot test. Mr. Lashly then provided comments on the next phase of the pilot studies.

6. Future Agenda Topics

- EL Rio Iron and Manganese Project Update
- PTP Backup Generators Update

ADJOURNMENT 10:31 a.m.

Chair Maulhardt adjourned the Engineering & Operations Committee meeting at 10:31 am.

I certify that the above is a true and correct copy of the minutes of the Engineering and Operations Committee Meeting of May 7, 2020.

ATTEST: _____
Lynn Maulhardt, Chair



1

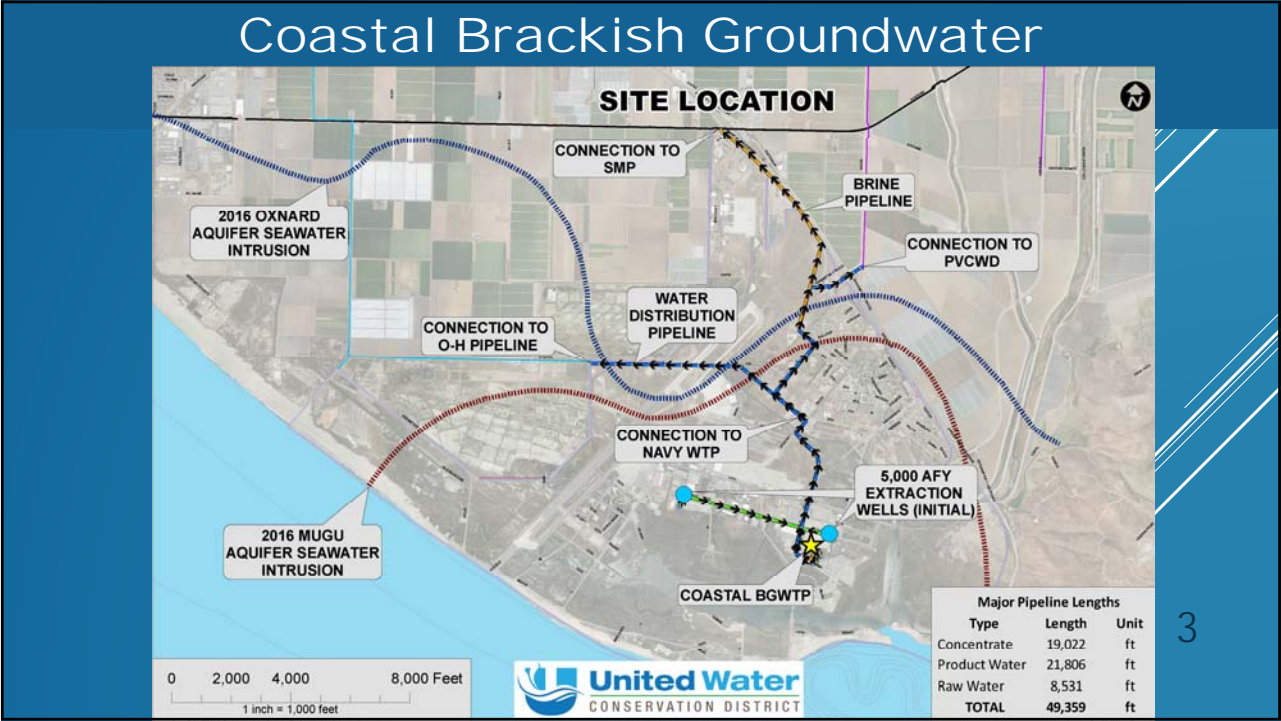
AGENDA

Coastal Brackish Groundwater Treatment Plant

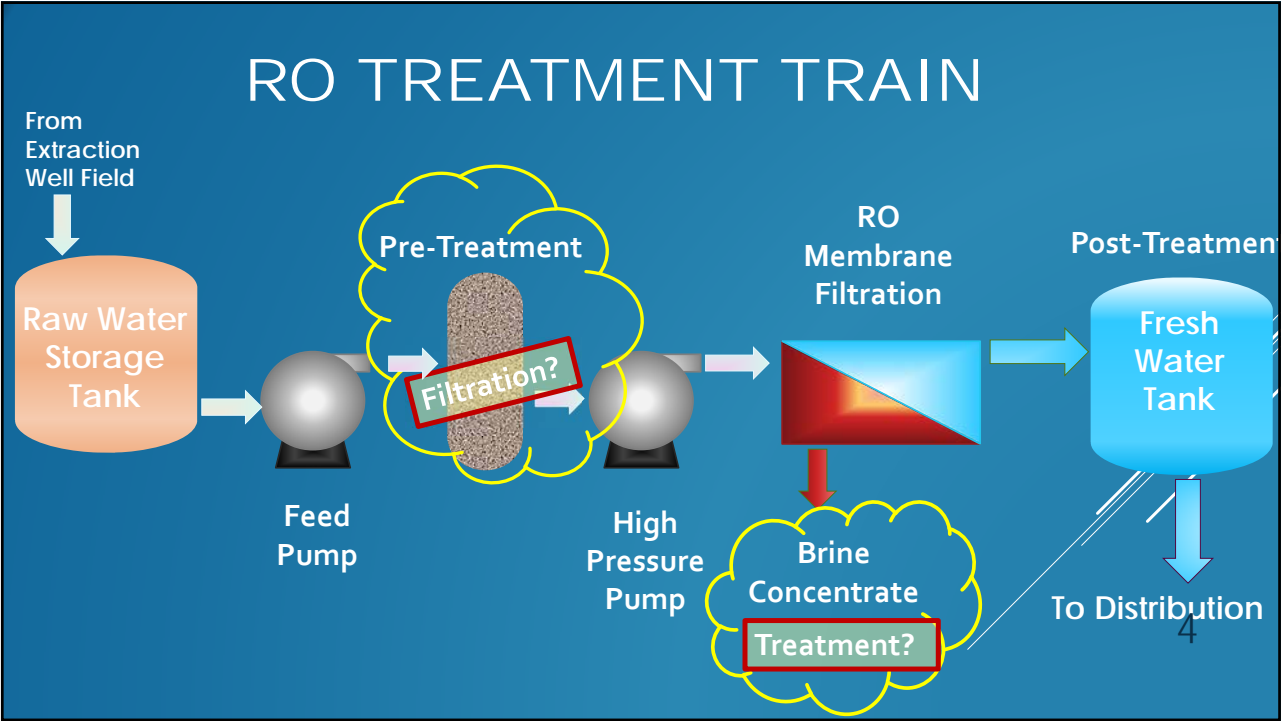
Riverpark-Saticoy Recycled Water Pipeline

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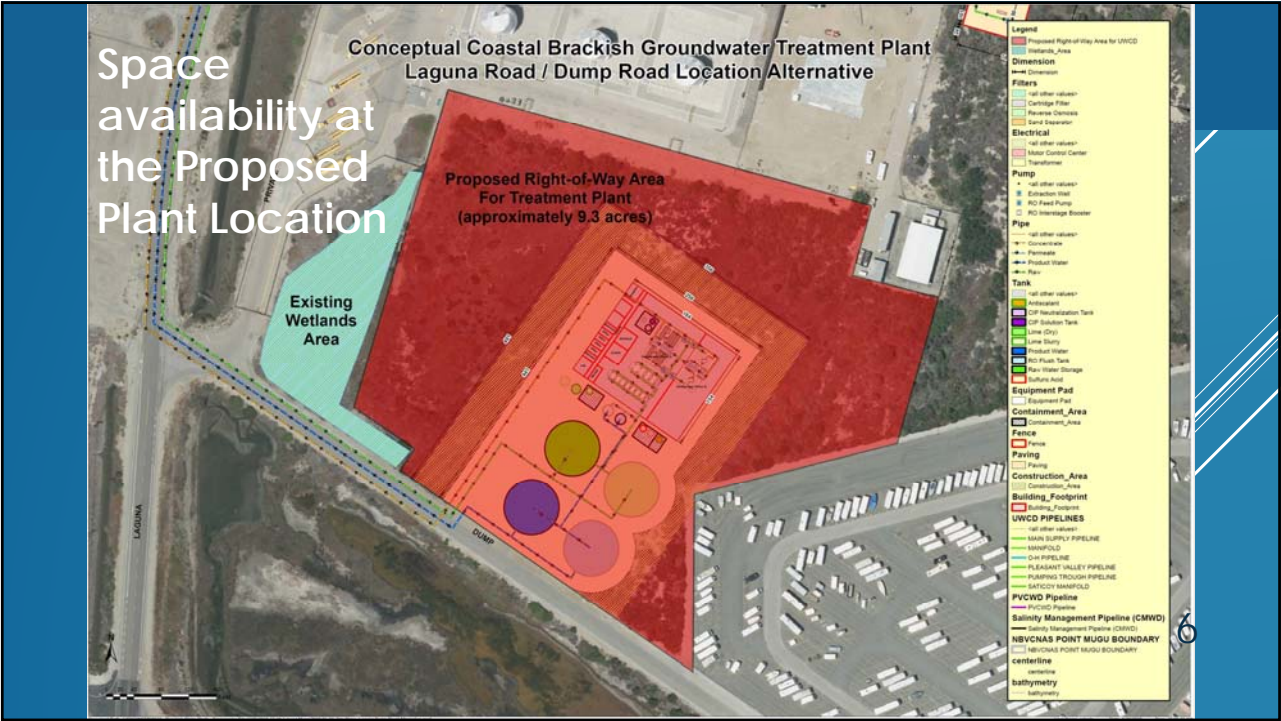
Plant Recovery and Energy Optimization



Staff meets with IDE Technologies to discuss high recovery/brine management technologies (pellet reactor shown above)

Energy Recovery Devices at the Carlsbad Desalination Plant

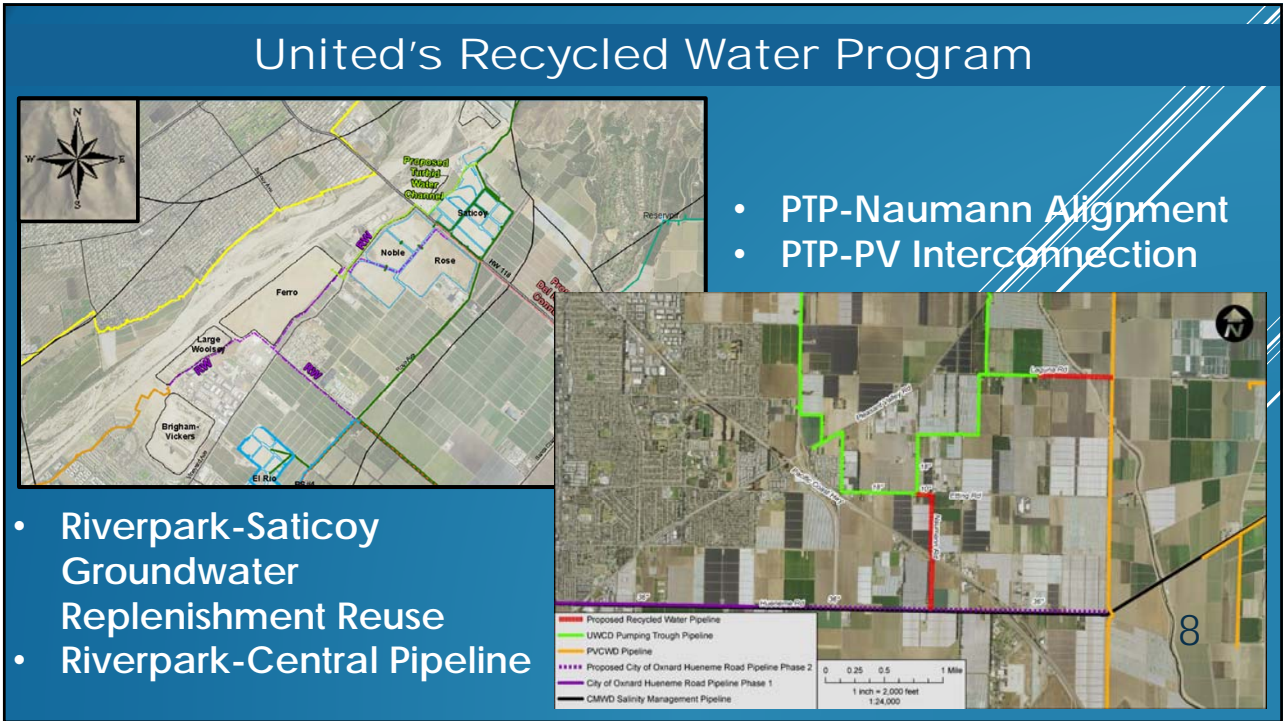
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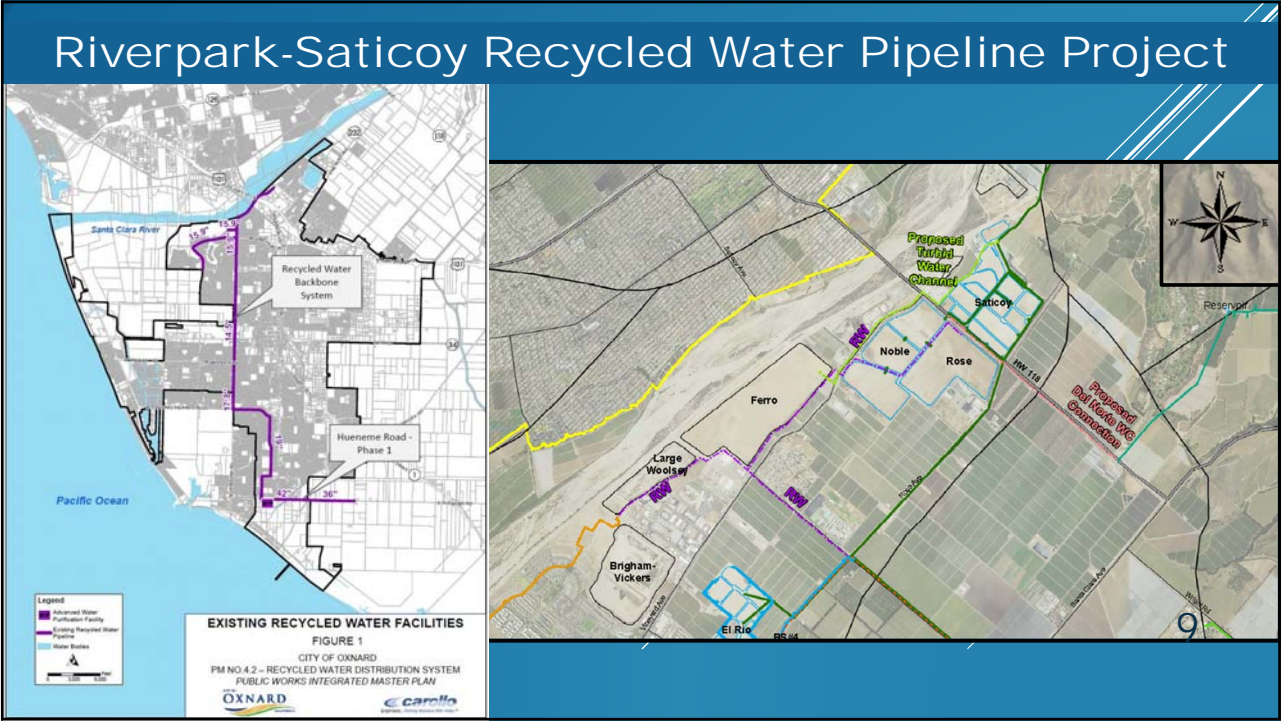
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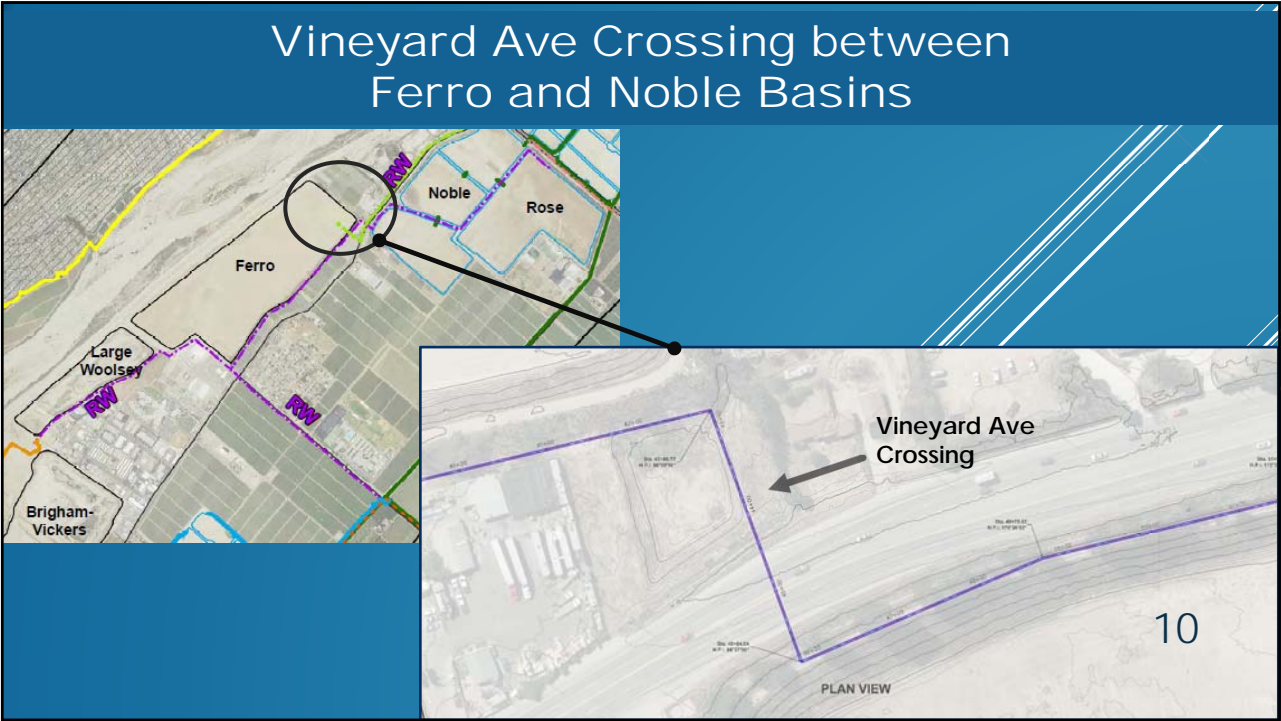
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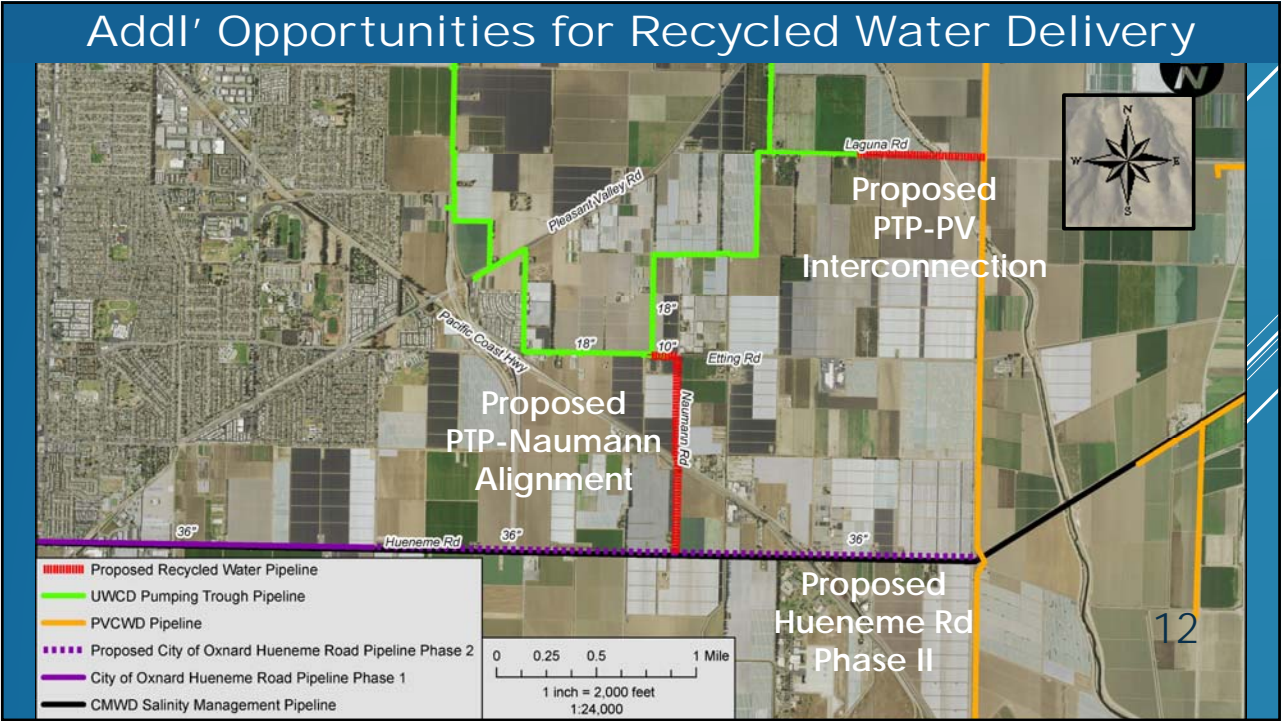
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Project Activities (near future)

- ❑ Prepare Pipeline Alignment Plans
- ❑ Develop Proposed easement maps for Utility Easement Discussions with Oxnard, VCWPD and CalTrans
- ❑ Upcoming meeting with Oxnard
 - ❖ Oxnard’s Recycled Program
 - ❖ United’s work on Groundwater Replenishment Reuse
- ❑ Schedule a meeting with FCGMA
 - ❖ Moratorium on construction of new drinking water wells in UAS in the project area
- ❑ Schedule a meeting with DDW (next fiscal year)

11

11



12

City of Oxnard's Recycled Water Program

A Multi-Dimensional Approach for the use of Recycled Water

- ❑ ASR Project – ASR Loop
 - ❖ Multi-year Project starting in 2020
- ❑ Hueneme Rd Recycled Water Pipeline Phase II Project
 - ❖ Construction to start in 2020 and complete by 2021

RECOMMENDED RECYCLED WATER PIPELINE

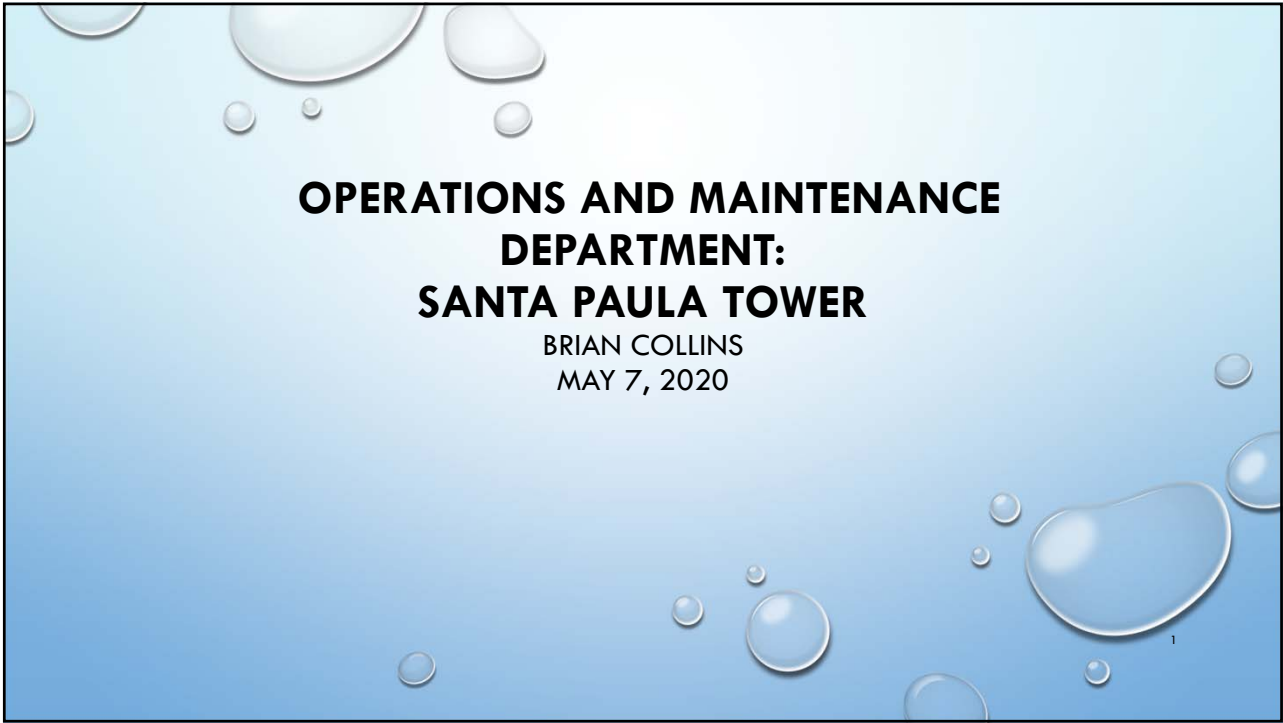
FIGURE 4
CITY OF OXNARD
PM NO. 4.2 – RECYCLED WATER BACKGROUND
PUBLIC WORKS INTEGRATED MASTER PLAN
OXNARD

13

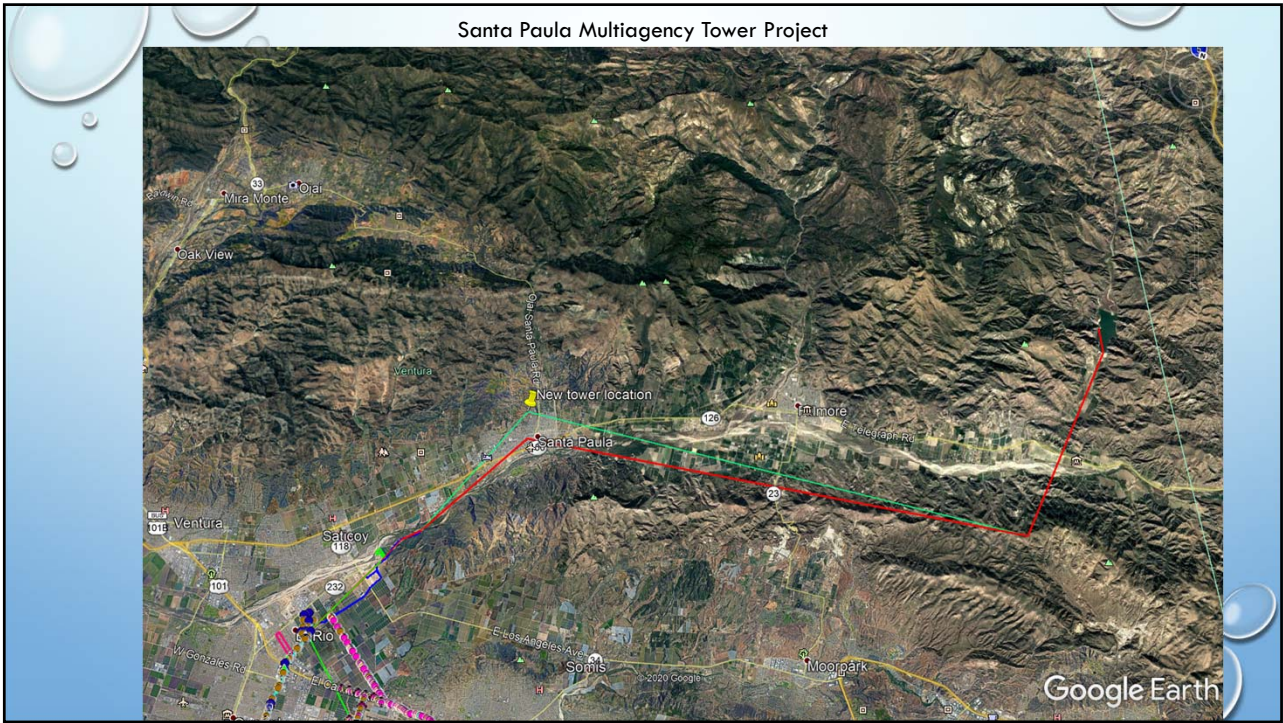
Thank You

14

14



1



2



3



4





Staff Report

To: Engineering and Operations Committee

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

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

Date: June 25, 2020 (July 2, 2020 Board Meeting)

Agenda Item: **3.1 Accept Utility Easement Deeds at Pumping Trough Pipeline Turnout No. 148**
Motion

Staff Recommendation:

The Committee will consider recommending authorizing the General Manager to sign and record utility easement deed granted to the United Water Conservation District by Wilhelmus J. M. Zwinkels and Johanna P. M. Heydra Zwinkels, trustees of the Zwinkels trust dated October 26, 1989 related to Pumping Trough Pipeline (PTP) Turnout No. 148. to the full Board at its Regular July 8, 2020 meeting.

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.

Wilhelmus J. M. Zwinkels and Johanna P. M. Heydra Zwinkels, trustees of the Zwinkels trust dated October 26, 1989 has agreed and executed a utility easement deed granting the District an approximate 423 square foot utility easement, located on Assessor's Parcel No. 255-0-011-110, and shown in Attachment A.

Fiscal Impact

The District would not incur any new costs by signing and recording the utility easement deeds.

Attachments:

Attachment A – 2020-03-30 Wilhelmus J. M. Zwinkels and Johanna P. M. Heydra Zwinkels, trustees of the Zwinkels trust dated October 26, 1989 UWCD Utility Easement Deed of Ventura County APN 225-0-011-110

RECORDING AT REQUEST OF

Hamner, Jewell & Associates

AND WHEN RECORDED MAIL TO:

United Water Conservation District
106 North 8th Street
Santa Paula, CA 93060

APN: 225-0-011-110

SPACE ABOVE THIS LINE IS FOR RECORDER'S USE

Exempt from the \$75 Building and Jobs Act Fee per Gov't Code § 27388.1(2)(D) Public Agency
No Fee Required: Govt. Code Sec. 6103 & 27383
No Transfer Tax Due: R&T Code Sec. 11922

UTILITY EASEMENT DEED

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

***Wilhelmus J. M. Zwinkels and Johanna P. M. Heydra Zwinkels,
trustees of the Zwinkels trust dated October 26, 1989 (hereinafter referred to as "Grantor")***

Hereby GRANT(S) to:

UNITED WATER CONSERVATION DISTRICT (hereinafter referred to as "Grantee")

a perpetual easement and right of way ("Easement Area") to construct, use, maintain, operate, alter, add to, repair, replace, reconstruct, inspect and remove at any time and from time to time subsurface non-potable water pipeline(s) and related purposes which is/are connected to and provide service from Grantee's Pumping Trough Pipeline (PTP), including but not limited to such surface installations and devices that are appurtenant to said non-potable water pipeline(s) as well as the right of pedestrian and vehicle ingress and egress to access such pipelines and related appurtenances, in, on, over, under and across the real property in the County of Ventura, State of California as described and depicted in Exhibit "A" and Exhibit "B" attached hereto and incorporated herein.

Grantor further grants to Grantee the right of assignment, in whole or in part, to others, without limitation, and the right to apportion or divide any of the rights, including but not limited to access and ingress and egress, granted to the Grantee by this Grant of Easement.

Grantor agrees for his/her self, his/her heirs and assigns not to erect, place or maintain, nor permit the erection, placement or maintenance of any structures or improvements within the Easement Area. Grantee, and its contractors, agents and employees shall have the right to trim or cut tree roots or other vegetation as may endanger or interfere with said pipelines and related appurtenances and shall have free access to said pipelines and related appurtenances at all times. Grantee shall have the right, but not the obligation, to construct a fence or other barrier along the perimeter of the Easement Area or within the Easement Area for purposes of protecting said pipelines and related appurtenances. In exercising its rights under this Grant of Easement, Grantee shall act in such a manner to cause the least injury to the surface of the ground and shall restore the surface to as near the same condition as it was prior to such work as is practicable.

GRANTOR:

Wilhelmus J. M. Zwinkels and Johanna P. M. Heydra Zwinkels, trustees of the Zwinkels trust dated October 26, 1989

By: _____

Wilhelmus J. M. Zwinkels, Trustee

By: _____

Johanna P. M. Heydra Zwinkels, Trustee

WITNESS WHEREOF, the undersigned has/have executed this Utility Easement Deed as of

03/30 2020.

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

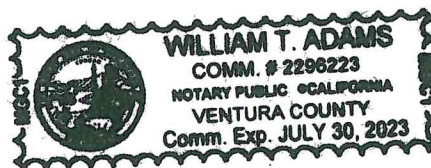
County of VENTURA

On MARCH 30, 2020 before me, WILLIAM T. ADAMS, Notary Public, personally appeared Wilhelmus J. M. Zwinkels, 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 signatures(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 William T. Adams (Seal)



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 VENTURA

On MARCH 30, 2020 before me, WILLIAM T. ADAMS, Notary Public, personally appeared Johanna P. M. Heydra Zwinkels, 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 signatures(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 William T. Adams (Seal)



PUBLIC AGENCY CERTIFICATE OF ACCEPTANCE
(Government Code Section 27281)

This is to certify that the interest in real property conveyed by the Utility Easement Deed dated _____, _____ from ***Wilhelmus J. M. Zwinkels and Johanna P. M. Heydra Zwinkels, trustees of the Zwinkels trust dated October 26, 1989*** ("Grantor"), to the UNITED WATER CONSERVATION DISTRICT ("Grantee"), is hereby accepted by the undersigned officer on behalf of the UNITED WATER CONSERVATION DISTRICT, pursuant to authority conferred by Board action dated _____, _____, and the Grantee consents to recordation thereof by its duly authorized officer.

DATED: _____

UNITED WATER CONSERVATION DISTRICT

By: _____

Its: _____

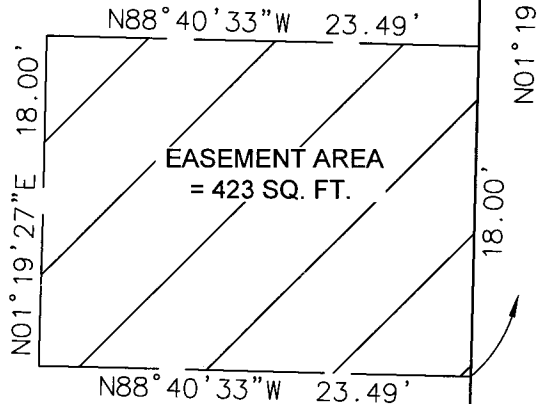
CHANNEL ISLANDS BLVD.

60'

POINT OF BEGINNING
Intersection of west line
Parcel 75882-1 with south
line of channel Islands
Blvd (60 feet wide)

APN: 225-0-011-110

71 DDS 366



N01°19'27"E 348.81'

PARCEL 75882-1
INS No. 2002-0013530, O.R.
RICE AVE.

PORTION OF LOT 2,
SUBDIVISION 44
RANCHO EL RIO DE SANTA
CLARA O' LA COLONIA

VARIABLE WIDTH

LEGEND

APN - ASSESSORS PARCEL No.
INS - INSTRUMENT
O.R. - OFFICIAL RECORDS
No. - NUMBER
SQ. FT. - SQUARE FEET

SCALE: 1"=10'



290 Conejo Ridge Ave, Thousand Oaks, CA 93161
Phone: (805) 230-1266 Fax: (805) 230-1277

P.N. 2064184300

DWG: 2064184300_meter_legals-ph1b(v2019).dwg



EXHIBIT "B"

METER 148 SITE
EASEMENT
UNITED WATER
CONSERVATION DISTRICT
SHEET 1 OF 1
PLOT DATE: 2/10/2020

EXHIBIT "A"
UWCD EASEMENT – METER SITE 148
APN 225-0-011-110

That portion of Lot 2 of Subdivision 44 of the Rancho El Rio De Santa Clara O' La Colonia, in the County of Ventura, State of California, as per the map recorded in Book 3, Page 14 of Maps, in the Office of the County Recorder of said County, more particularly described as follows:

COMMENCING at a point in the south line of Channel Islands Boulevard (60-feet wide), said point being the intersection with the west right-of-way line of Rice Avenue, described as Parcel 75882-1 in the Document recorded January 17, 2002 as Document No. 2002-0013530-00 of Official Records of said County; thence along said west right-of-way line South 1°19'27" West 348.81 feet to the **TRUE POINT OF BEGINNING**; Thence, departing said west line and right of way;

- 1st - North 88°40'30" West, a distance of 23.49 feet; thence,
- 2nd - North 1°19'27" East, a distance of 18.00 feet; thence,
- 3rd - South 88°40'30" East, a distance of 23.49 feet to a point in said west line; thence, along said west line;
- 4th - South 1°19'27" West 18.00 feet to the **TRUE POINT OF BEGINNING**.

Containing 423 square feet, more or less.

Said land is shown on Exhibit "B" attached hereto and made a part hereof by reference.

Prepared by: Stantec Consulting Services Inc.
under the direction of:



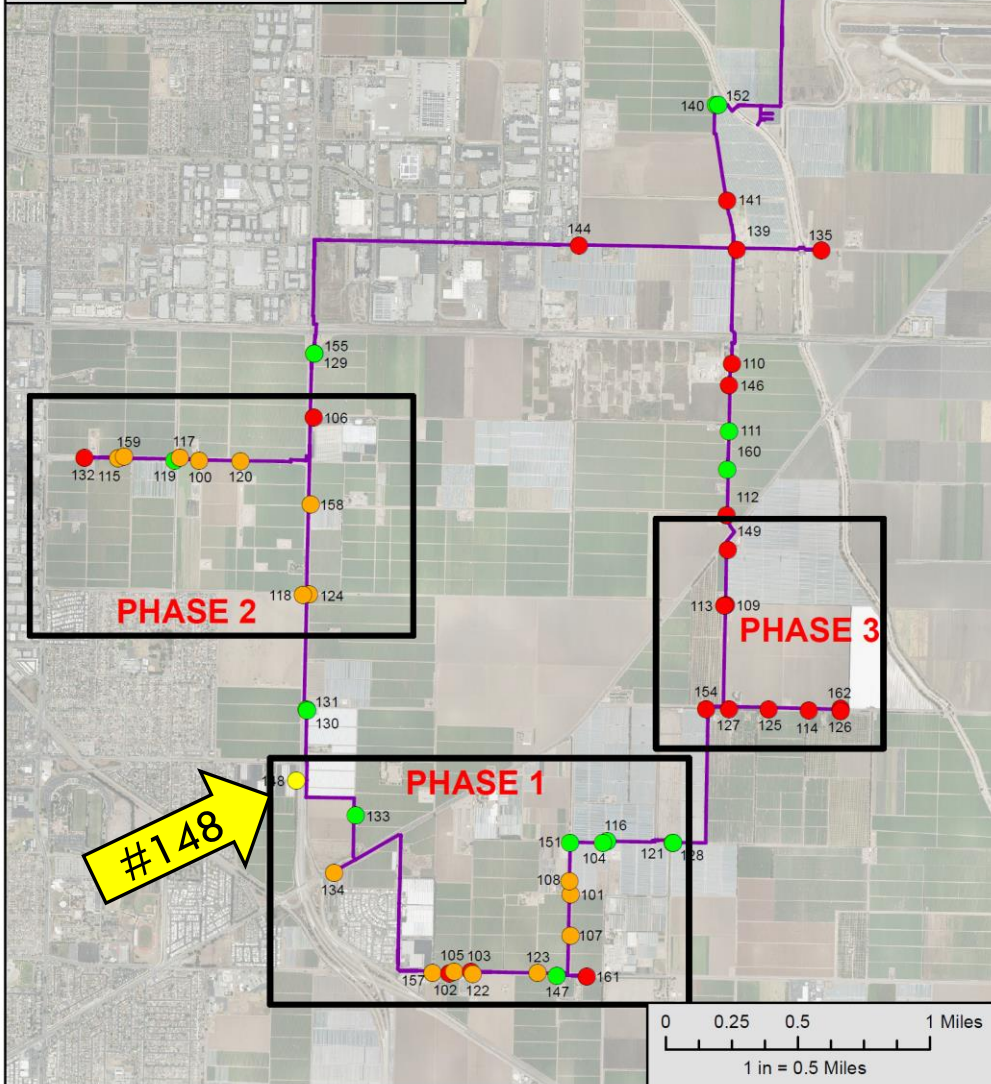
Matthew J. Vernon, PLS 7553

February 10, 2020
P.N. 2064184300



METER STATUS

- INSTALLED- 20
- CONSTRUCTION PLANNED IN 2020- 1
- LETTERS MAILED TO OWNER- 16
- SURVEY COMPLETE- 25
- PUMPING TROUGH PIPELINE

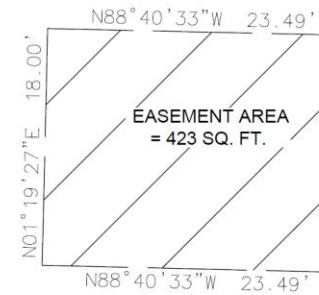


CHANNEL ISLANDS BLVD.

POINT OF BEGINNING
Intersection of west line
Parcel 75882-1 with south
line of channel Islands
Blvd (60 feet wide)

APN: 225-0-011-110

71 DDS 366



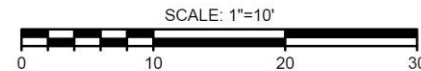
PORTION OF LOT 2,
SUBDIVISION 44
RANCHO EL RIO DE SANTA
CLARA O' LA COLONIA

PARCEL 75882-1
INS No. 2002-0013530, O.R.
RICE AVE.

VARIABLE WIDTH

LEGEND

- APN - ASSESSORS PARCEL No.
- INS - INSTRUMENT
- O.R. - OFFICIAL RECORDS
- No. - NUMBER
- SQ. FT. - SQUARE FEET



290 Conejo Ridge Ave, Thousand Oaks, CA 93161
Phone: (805) 230-1266 Fax: (805) 230-1277


P.N. 2064184300

DWG: 2064184300_meter_legals-ph1b(v2019).dwg



EXHIBIT "B"

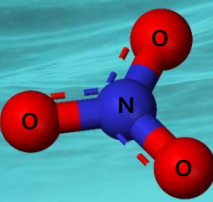
METER 148 SITE
EASEMENT
UNITED WATER
CONSERVATION DISTRICT
SHEET 1 OF 1
PLOT DATE: 2/10/2020



United Water


CONSERVATION DISTRICT

Iron and Manganese Treatment Project Update





26
Fe
Iron
55.847

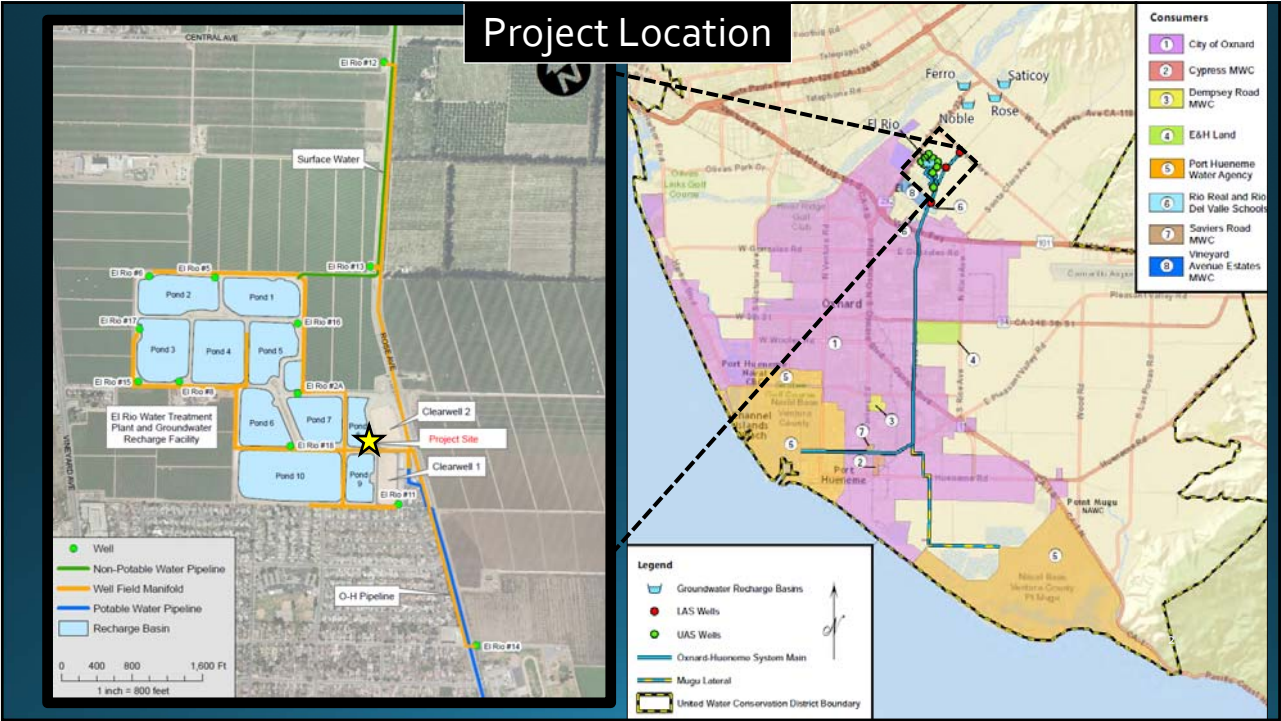
25
Mn
Manganese
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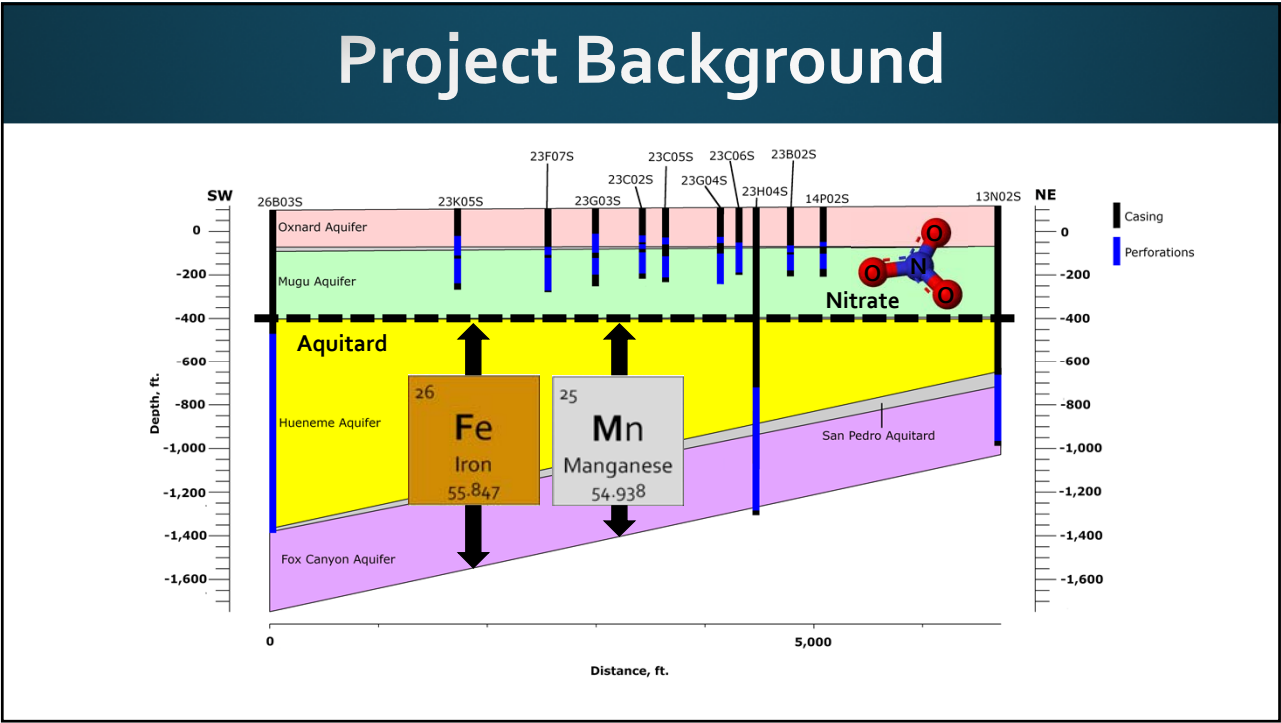
July 2, 2020



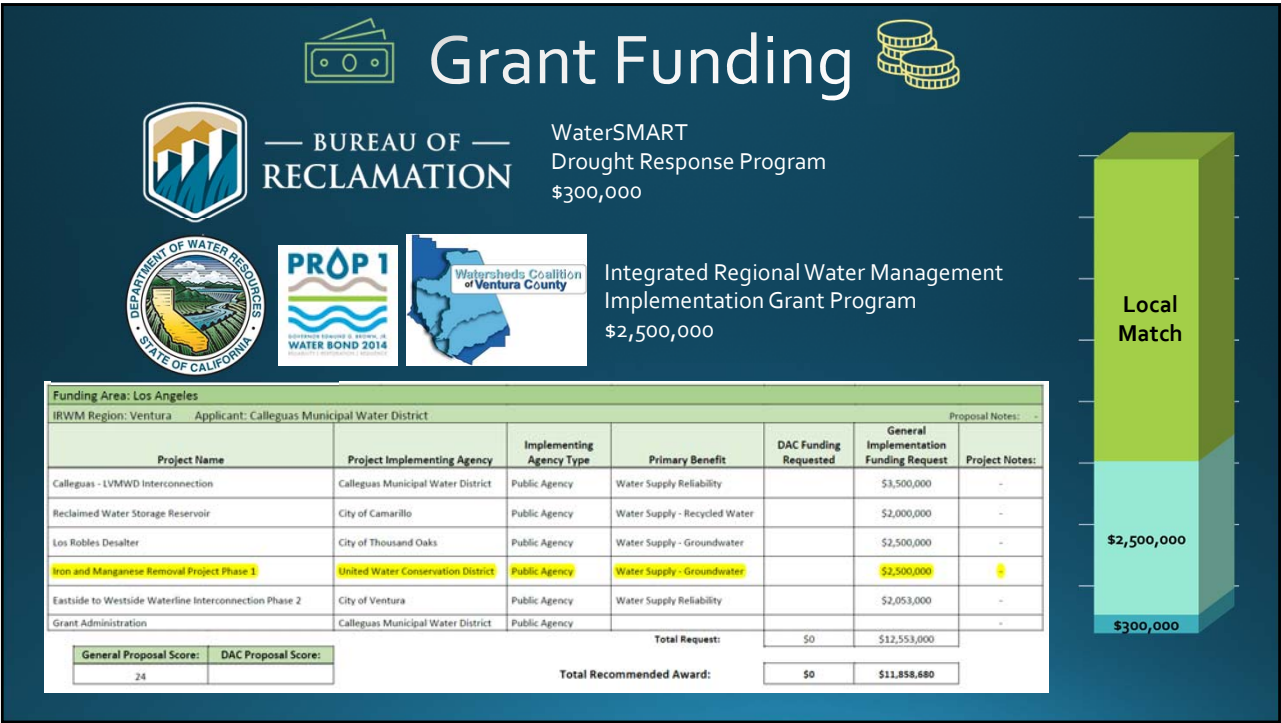
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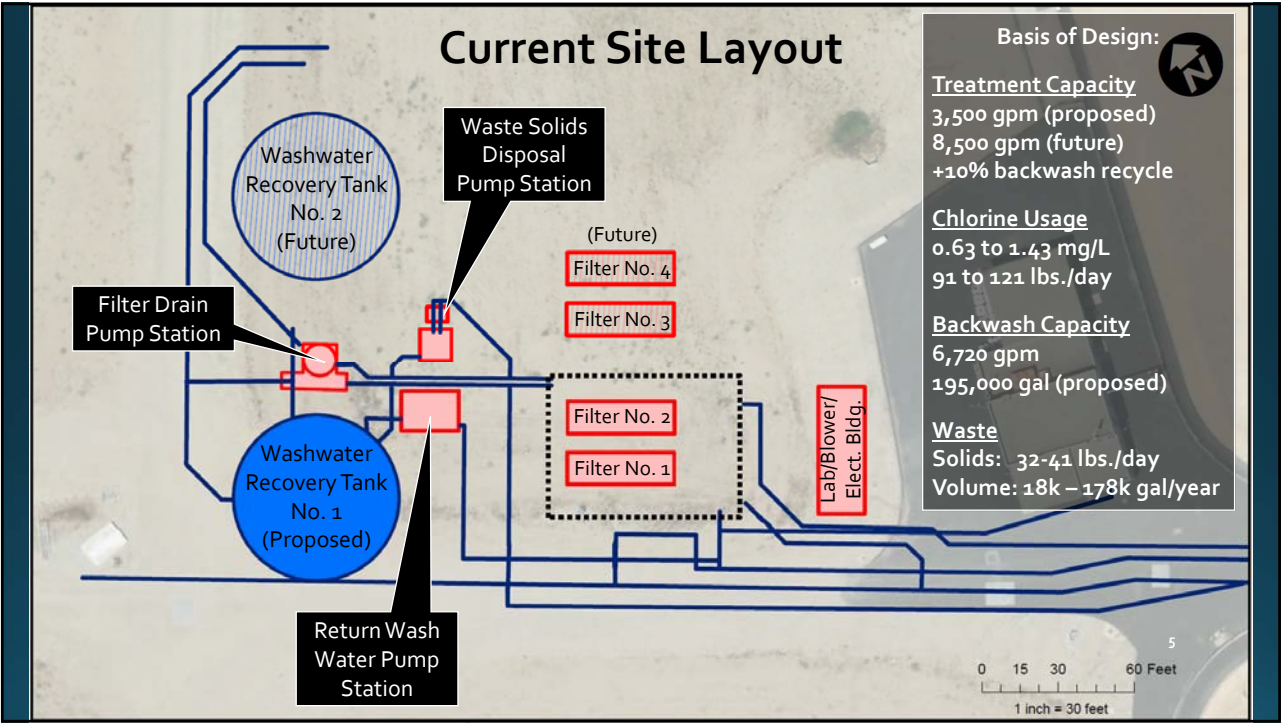
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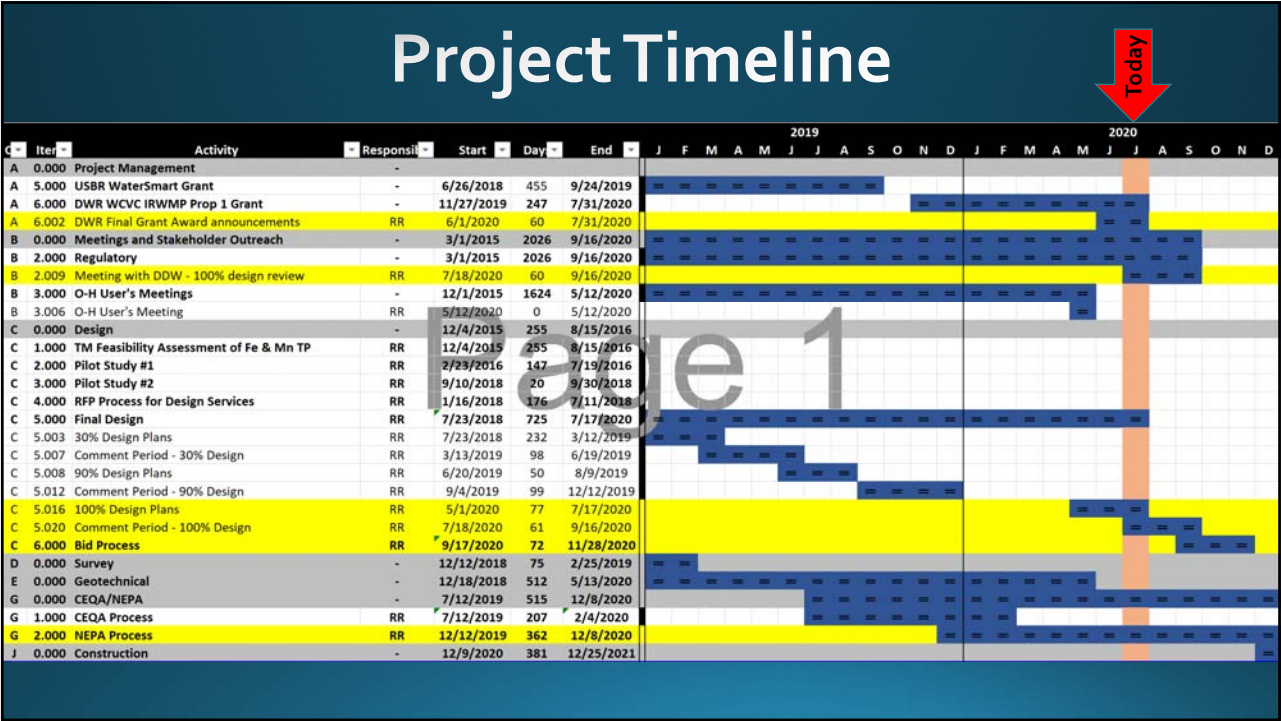
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6

Next Steps

- **Complete 100% Design**
 - Kennedy/Jenks Consultants will complete plans, specifications, estimate and schedule
- **WCVC IRWMP Prop 1 Funding**
 - DWR recommended project for funding in April 2020
 - DWR is anticipated to announce final grant awards in mid-2020
- **NEPA**
 - U.S. Bureau of Reclamation to complete NEPA process
- **Bid Process and Construction**
 - Advertise for bids as early as fall 2020 following DWR funding announcement

**OPERATIONS AND MAINTENANCE
DEPARTMENT:
PTP EMERGENCY GENERATORS AND
FREEMAN SEDIMENT MANAGEMENT PROJECT**

BRIAN COLLINS
JULY 2, 2020

1

PTP WELL 1



PTP WELL 2



2

PTP WELL 3



PTP WELL 4



3

PTP WELL 5



PTP RESERVOIR



4



5



6

Environmental Services Key Highlights

- MSHCP and Associated Permit Applications
- End of Year Shut-down of Freeman Fish Passage Facility
- Comment Letter on 5-year Review of Endangered Listing for Steelhead



1

Multiple Species Habitat Conservation Plan (MSHCP)

- MSHCP and all associated permit applications submitted on June 30, 2020 (Court ordered date)
- NMFS application for Incidental Take Permit
 - USFWS application for Incidental Take Permit
 - CDFW notification and request for a Streambed Alteration Agreement
 - USACE application for authorization under Section 404 of the Clean Water Act
 - SWRCB application for authorization under Section 401 of the Clean Water Act

2

End of Year Shut-down Freeman Fish Passage Facility

June 1 – End of migration season

May 20, 2020 - Issued notification to NMFS Office of Law Enforcement

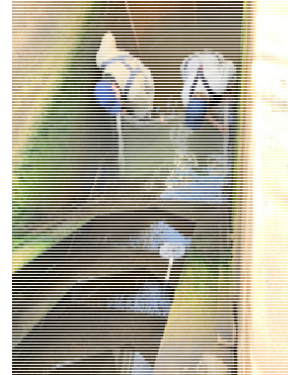
May 27, 2020 – Dewatered fish ladder

- Two smolts relocated to estuary

June 1-5, 2020 – Ramp-down and stranding surveys

- No *O. mykiss* observed

June 6, 2020 – Total river diverted



3

Comment Letter on 5-year Review of Endangered Listing for Steelhead

ESA requires agencies to conduct review of listed species every 5-years

Distinct Population Segment (DPS)

- Based on best available science
- Discrete and significant

United's position:

- Southern CA Steelhead are not discrete and significant from South-Central CA Coast Steelhead
- Anadromous *O. mykiss* not distinct population from resident *O. mykiss*

"ESA regulations and best available science compels NMFS to reclassify Southern CA Steelhead and South-Central CA Coast Steelhead into one DPS that includes resident *O. mykiss*"

4

Staff Report

To: Engineering and Operations Committee

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, Associate Engineer
Adrian Quiroz, Assistant Engineer
Erik Zvirbulis, Engineering Technician

Date: June 26, 2020 (July 2, 2020 meeting)

Agenda Item: 5.1 Monthly Engineering Department Report
Information Item

Staff Recommendation:

Committee will receive the information presented herein.

Discussion:

(Due to the COVID19 stay-at-home order, a majority of staff worked from home, To facilitate communications and coordination, daily conference calls were held in the morning and afternoon on Teams; this has proven to be an effective way of moving all projects and programs forward. In instances where field work was required, all social distancing and safety procedures were followed.)

1. Santa Felicia Dam Safety Improvement Projects

- **Spillway Improvement Project**

- Staff revised the SFD 2020 Drilling Program Plan based on the comments received from DSOD.
- Staff submitted the revised SFD 2020 Drilling Program Plan to DSOD and FERC for review and approval on June 10, 2020.
- The 2020 drilling field activities are tentatively scheduled to start on August 17 and end on November 9th.
- Staff prepared the topographic survey services agreement with Encompass Consultant Group (ECG) in amount of \$45,200. This survey will support the detailed design phase of the SFD Safety Improvement Project. The survey is expected to start on July 6.
- Staff attended the project bi-weekly progress meetings with GEI.
- Staff reviewed the overall schedule of the SFD Safety Improvement Project. The schedule will be submitted to FERC once finalized.

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- **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 with the support from EPCD is working on the Biological Assessment (BA) report as part of the Consultation with federal agencies.

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. Water Resources Staff is in the process of evaluating the proposal to determine if any portion of the Sediment Removal Feasibility Study can be performed internally.
- The 2020 Lake Piru Bathymetric Survey performed by Fugro USA Marine Inc. is underway. The Professional Services Agreement (PSA) was executed on June 11, 2020 and Notice to Proceed was subsequently issued on June 15. District staff conducted a Project Kick-Off Meeting on June 15, 2020 and Fugro mobilized on June 16 to begin the bathymetric survey (Figure 1). The bathymetric portion of the survey was completed on June 18, 2020. Fugro then proceeded to lay out eighteen aerial targets as controls points for the aerial photogrammetric survey. The aerial photogrammetric survey flight is scheduled for June 26, 2020. The flight will conclude the survey's field program. Fugro will then work on post processing data and final deliverables. The survey is on track for a final completion date of July 31, 2020.

3. Freeman Diversion Rehabilitation/Fish Passage Facility

- Staff had multiple, May 14, May 21, June 9 and June 23, teleconferences with NHC, NMFS and CDFW to discuss the Hardened Ramp Design.
- Stantec continues the CFD modeling of the Vertical Slot Design.

4. Grand Canal Hydraulic Optimization

- On June 26, NHC returned construction plans that incorporated staff comments.

5. Ferro-Rose Recharge Basins

- On July 1, NHC delivered design alternatives for the replacement of the inverted siphon and the 3-barrel culvert.

6. Santa Felicia Dam Safety

- On June 09, 2020, FERC's newly formed Security Branch conducted a Special Physical Security Inspection of the Santa Felicia Dam. Due to the COVID-19 contingency, the inspection was conducted virtually via Microsoft Teams. Prior to the inspection date, District Engineering and O&M Staff worked diligently to complete a security checklist provided by FERC. In addition to the checklist, the District provided 150 photos of the SFD facility with an accompanying photo map that mapped the vantage point of every individual photo. The photos focused on the facility's safety features such as fencing, gates, signage and on the critical assets, the hydro power plant and the penstock. The

Agenda Item: 5.1 Monthly Engineering Department Report
Information Item

recently updated SFD Security Plan was also submitted to FERC for review prior to inspection, among other documents. The inspection lasted approximately four hours and FERC interviewed District Staff based on the contents of the security checklist, security documents, and observations made in the photos provided. FERC also made numerous recommendations to the District for minimizing risk and vulnerabilities. A written inspection report will be provided to the District by FERC.

- The District received a Dam Safety Inspection Report dated May 29, 2020 from FERC for the period between May 11, 2017 and September 25, 2019. The report indicated that the SFD's monitoring program, EAP, Public Safety Plan and Owner Dam Safety Program, among other items, were adequate and satisfactory. The current performance measure given to SFD by FERC in the report is "Under Remediation". This measure was given because although deficiencies exist such as the insufficient spillway capacity and seismic stability of the intake tower, FERC recognizes that the District has convened a Board of Consultants to oversee the current design efforts. The District has reviewed the report is in the process of preparing a response.
- On June 19, 2020, FERC responded to the District's request for authorization to install four new survey monuments at the spillway ogee crest. FERC requested additional installation details for the proposed survey monuments and control points, that the District verify that rebar beneath the concrete surface would not be damaged during monument installation and that the District consider additional redundant control points. FERC requested that the District provide a response within 30 days.
- Chief Engineer, Maryam Bral and Assistant Engineer completed the annual review of the Santa Felicia Dam EAP. The SFD EAP will be submitted to CalOES for review by July 1, 2020.

7. Recycled Water Update

- Conducted internal monthly team meetings to progress design of Riverpark-Saticoy Pipeline design and Saticoy GRRP permit.
- Continued to coordinate with City of Oxnard staff for information on existing Recycled Water Backbone System pipeline to further develop hydraulic analysis.
- Staff worked with Kennedy/Jenks Consultants and AWWA staff to prepare a grant application for the PTP-PVCWD interconnection project through the United States Department of Agriculture's Natural Resources Conservation Service (NRCS). However, it was ultimately decided that this grant opportunity was not a best-fit for the project. Staff is pursuing another NRCS funding program through the local NRCS office.
- Presented progress update at AWA WaterWise Breakfast on June 25th.

8. PTP Turnout Metering System Improvement

- Total number of meters installed: 20
- Construction completion: 32.3%
- Easement acquisition completion:
 - Surveying: 100%
 - Map prepared: 82%

Agenda Item: 5.1 Monthly Engineering Department Report
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- Legal description prepared: 72%
- Utility easement deed prepared: 54%
- Easement obtained: 7%
- Stantec provided completed easement maps and legal descriptions at PTP Turnout Nos. 114, 125, 126 and 162.
- Hamner, Jewell & Associates issued remaining Phase 1b letters and deeds to property owners using PTP Turnout Nos. 102, 103 and 105.
- O&M Staff is working to resolve communication issues with the equipment supplier and radio manufacturer.

9. Iron and Manganese Removal at the El Rio Water Treatment Plant

- Conducted internal monthly progress meeting with staff.
- Conducted biweekly progress meetings with Kennedy/Jenks (K/J) Consultants. Completion of 100% design is on schedule and is anticipated to be completed by July 17th, 2020.
- Staff has been responding to numerous requests for information/clarification from K/J to complete the 100% design.
- Coordinated with K/J on scope of work, schedule, and fee for preparation of 3D renderings of plant.
- On June 8, provided formal project progress update letter to the Division of Drinking Water.
- Staff conducted site survey of sluice gate at Pond 8 for planned relocation of corrugated metal pipe (Figure 2)

10. State Water Project (SWP) Interconnection Project

- The City of Ventura is seeking a wheeling agreement from the Metropolitan Water District.
- The City of Ventura SWP Interconnection & Blending Station kick off meeting is tentatively scheduled for July 2, 2020.

11. Rice Avenue Grade Separation – PTP Relocation

- On June 4, the City of Oxnard's design team was given access to the PTP Well #4 for additional geotechnical survey.

12. Pothole Trailhead Parking Area

- No updates to report.

13. Santa Clara River (SCR-1) Levee Improvement Project (VCWPD)

- Bram Sercu attended the progress meeting on June 18th and has the following to report:
 - VCWPD has offered to study an earthen levee with rock revetments in lieu of soil cement on the south side of the Ferro Basin to reduce the loss in infiltration capacity.
 - Staff presented future operating water levels and duration for the Ferro Basin. VCWPD requested a formal report. Staff will provide the data to VCWPD.
 - VCWPD requested a formal report on potential yield loss in the Ferro Basin because of the proposed levee installation. Staff will prepare a report.

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- The existing levee running from Central Ave. drain north will be decertified under a FEMA process, but maintained under PL84-99 authorization with the USACE. A Section 408 permit with the USACE will be required for future operation of the Ferro Basin. This could be grouped with VCWPD's application for SCR-1 (tentatively September).

14. Freeman Diversion and Lower River System Quagga Mussel Control Project

- Staff has been coordinating with EPCD staff on the next phase of pilot testing that includes a veliger mortality study at Santa Felicia Dam.

15. Coastal Brackish Water Treatment Plant

- In June, the District received and signed the Planning Grant with the State Water Resources Control Board under Proposition 1 for "Coastal Brackish Water Treatment Plant – Basin Impact Benefits" in the amount of \$122,563. Commencement of work is underway.
- Engineering and Groundwater staff worked together to estimate extraction well drawdown for different wellfield scenarios in the Oxnard and Mugu aquifers using analytical methods.
- Staff located additional alternative extraction well locations for the U.S. Navy to consider for a treatment plant expansion with a raw water capacity up to 20,000 acre-feet/year.
- Staff prepared a draft Letter of Intent (LOI) to submit to U.S. Navy which starts the "Outgrant Easement" acquisition process.
- On June 18th, Staff held a June monthly progress meeting with U.S. Navy staff. Staff presented updates on the Prop 1 grant award for groundwater modeling, extraction wellsite alternatives and LOI.
- Presented progress update at AWA WaterWise Breakfast on June 25th.

16. CalOES HMGP Sub application

- United submitted a subapplication to CalOES on June 8 for Grant Management Cost associated with the OH System backup Generator. The subapplication was revised and resubmitted to CalOES on June 22.

17. Comprehensive Water Supply and Optimization Plan Support

- Bi-monthly meetings with KJ were put on hold on June 2 until staff revisits the Riverpark-Saticoy Recycled Water project hydraulics. The meetings are expected to be resumed in August.

18. Piru Stormwater Capture for Groundwater Recharge

- The County recently installed a new sign at the Piru Spreading Grounds on June 22. A photo of the new sign is shown in Figure 3.

19. Lake Piru Recreation Area, 2020 Pavement Maintenance Program

- Staff prepared the bid package, including the construction drawings and specifications for the Oak Lane pavement maintenance project.

Agenda Item: 5.1 Monthly Engineering Department Report
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20. Asset Management

- No updates to report.

21. Other Topics, Meetings and Training

- June 2, 2020 – Maryam Bral and Engineering staff participated in a USSD webinar – Professional Ethics.
- June 4, 2020 – Robert Richardson and Erik Zvirbulis participated in Part 5 of the AWIA webinar series: Building an Emergency Response Plan
- June 8, 2020 – Maryam Bral, Michel Kadah, and Adrian Quiroz participated in the Physical Security Inspection Meeting with FERC for the Santa Felicia Dam.
- June 10, 2020 – Engineering and Water Resources Staff Meeting
- June 10, 2020 – Robert Richardson attended AWA CCWUC Virtual Class #1: Pump Efficiency Testing to Track Pump Performance
- June 11, 2020 – Maryam Bral and Robert Richardson participated in DuPont’s Municipal & Desalination webcast: The new face of reverse osmosis and nanofiltration system design options.
- June 11, 2020 – Robert Richardson participated in an APWA virtual meeting: Asset Management – Demystified
- June 16, 2020 – Maryam Bral participated in a DHS webinar: Dams sector security and protection of dams and levees
- June 16, 2020 – Robert Richardson participated in a NCTC webinar: What are freshwater mussels worth?
- June 16, 2020 – Maryam Bral participated in an AWA Water Issues Meeting “Robles Forebay Restoration Project – Path to Permits”
- June 17, 2020 – Robert Richardson attended AWA CCWUC Virtual Class #2: Using Pump Curves to Evaluate Pump Efficiency
- June 18, 2020 – Maryam Bral and Robert Richardson met with the Navy to discuss updates on the Coastal Brackish Groundwater Treatment Plant.
- June 23, 2020 – Robert Richardson participated a webinar for PFAS: Encouraging Results from OCWD Treatment Study
- June 24, 2020 – Robert Richardson attended AWA CCWUC Virtual Class #3: VFD Applications on Pumps to Save Energy
- June 24 – 25, 2020 – Robert Richardson participated in the 2020 WaterReuse California Virtual Conference.
- June 25, 2020 – Maryam Bral presented Water Sustainability Project updates at the AWA WaterWise Event: Keep Water Flowing – Realizing Regional Water Sustainability

**Agenda Item: 5.1 Monthly Engineering Department Report
Information Item**



Figure 1 – Fugro Bathymetric Survey Vessel at Lake Piru



Figure 2 – Staff conducted site survey of sluice gate at Pond 8 for planned relocation of corrugated metal pipe

Agenda Item: 5.1 Monthly Engineering Department Report
Information Item



Figure 3 – The new Piru stormwater capture project sign installed by the Ventura County at the Piru Spreading Grounds

Staff Report

To: Engineering and Operations Committee

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

From: Clayton W. Strahan, Chief Park Ranger

Date: June 24, 2020 (July 2, 2020 Meeting)

Agenda Item: 5.3 Monthly Park and Recreation Department Report
Information Item

Staff Recommendation:

Receive and review the Park and Recreation Department's report for June 2020.

Discussion:

The month of June 2020 has been the third full month that Lake Piru Recreation Area has been closed due to the COVID-19 pandemic. Park Rangers, with the assistance of Parks Management Company staff and Santa Felicia Dam O&M staff, have been focusing on maintenance efforts to prepare the recreation area for reopening for the remainder of the summer season. Some of these maintenance efforts include resetting navigational markers throughout Lake Piru, making repairs to irrigation lines, and making minor repairs to the Lake Piru marina. Park Ranger also responded to the Lime Fire approximately one mile south of Lake Piru Recreation Area. The park was evacuated for 48 hours while Ventura County Fire Department managed the response. The fire damaged approximately 1,000 acres in total but no structures were damaged. In addition, the fire did not impact Lake Piru Recreation Area operations. Park Rangers have been diligent about enforcing the Lake Piru park closure, while also maintaining proper social distancing standards and wearing personal protective equipment. Park Rangers are looking forward to the park reopening so that they can begin providing recreational opportunities to the public.

Tasks and Activities

- June 1-30: Park Rangers have spent several hours a day throughout June patrolling Lake Piru Recreation Area to ensure that the public is obeying the District's park closure order. This consists of daily patrols along the water via patrol boat to contact fishermen from the shoreline and notify them of the park closure orders. In general, the public has been very understanding of the order and was willing to comply. No citations were issued for disobeying the park closure. All contacts made with the public were done using proper social distancing protocols and wearing the proper PPE when necessary.
 - June 2: Park Rangers and Parks Management Company staff worked with Waterworks Plumbing to locate and repair a septic line in the Olive Grove Campground area. The line was repaired without issue.
 - June 10: Park Rangers and Santa Felicia Dam staff worked together to make temporary repairs to the Lake Piru marina. The marina was damaged due to high sustained winds that
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Agenda Item: 5.3 Monthly Parks and Recreation Department Report
Information Item

damaged the frame of the marina. Park Rangers are working with United Water engineers to design a permanent repair for the marina.

- June 10-14: Park Rangers alongside Ventura County Fire Department, The United States Forest Service, Kern County Fire Department, and Santa Barbara County Fire Department responded to the Lime Fire, approximately one mile south of Lake Piru Recreation Area. The Lime Fire was approximately 1,000 acres and no structures were damaged.
- June 15-20: Park Rangers with the assistance of Parks Management Company grounds crew focused their efforts on clearing brush along road shoulders and around critical structures throughout the recreation area. Rangers utilized chainsaws, weed eaters, and hedgers in conjunction with herbicide spraying. This ongoing effort was critical in not only ensuring compliance with Ventura County Fire Department fire clearance standards, but also to maintain presentable landscaping for the public upon the recreation area's reopening in the coming weeks.
- June 18-19: Park Rangers repaired the irrigation system in the Lake Piru marina area. Park Rangers replaced multiple damaged sprinkler heads and located several areas that will need future repairs.
- June 20: Park Rangers coordinated with EPCD and Santa Felicia Dam O&M staff to grade and clean up the swim beach next to the Juan Fernandez Boat Launch Ramp. This was done to provide a safe and usable swim beach to the public upon the reopening of Lake Piru.
- June 23-24: Park Ranger staff reset buoys and navigational markers throughout Lake Piru to better accommodate boaters and increase safety throughout the lake when the facility reopens.

Training/Meetings/Events

- June 5, 12, 19, 26: Chief Ranger Strahan held weekly staff meeting's via Teams to discuss priority projects, maintenance tasks, and scheduling work shifts associated with the public health orders. Also, daily briefings were held with staff to discuss issues in greater detail and to re-prioritize activities.
 - June 10, 17, 24: Park Rangers attended the Association of Water Agencies Channel Counties Water Utilities Committee online training discussing pump efficiency.
 - June 10, 24: Staff held weekly briefings with PMC to discuss the District's updates associated with the COVID-19 pandemic, the protocols being instituted by the District, and efforts to secure the park during the closure. These meetings allowed the District to share new development and policies with the onsite concession service and to address any questions or concerns. Also, the District was able to resolve some long outstanding issues associated with PMC's financial reporting as a result of these meetings.
 - June 15: Park Rangers attended a virtual meeting with Fugro discussing the bathymetric surveys at Lake Piru. Park Rangers provided Fugro staff with keys to access various areas around Lake Piru Recreation Area as well as radio for safety purposes.
 - June 16: The Chief Park Ranger held a meeting with Park Ranger to plan for the reopening of the Lake Piru Recreation Area. This meeting was an opportunity for recreation staff to provide recommendations and input for reopening procedures.
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Agenda Item: 5.3 Monthly Parks and Recreation Department Report
Information Item

- June 24: Staff attended a special Board meeting where they presented a draft re-opening plan to the Board for consideration

Revenue & Visitation Recap

2020 Revenue Recap & Comparison	
2019 Calendar Year (Jan.-May.)	\$ 389,306.83
2020 Calendar Year (Jan.-May.)	\$ 81,909.63
Total Revenue Increase/Decrease from Prior Year	-\$307,397.20

Revenue has been impacted by the park closure order due to COVID-19

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				
August				
September				
October				
November				
December				
TOTAL	441	2885	1282	224

*** Revenue figures for the month of June will not be provided to the District until July 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 September. ***

Incidents/Arrests/Medicals

There was one (1) incident to note during June. On June 10th at 4:30 PM, Park Rangers responded to a brush fire that began approximately one mile south of Lake Piru Recreation area, in Lime Canyon. Firefighting units from Ventura County Fire, US Forest Service, Kern County, and Santa Barbara County responded to assist with the Lime Fire. Park Rangers assisted in facilitating a park-wide evacuation order, keeping the domestic water system running for drafting at fire hydrants and providing shower and restroom facilities for firefighters. This five (5) day effort, in which Park Rangers offered ongoing support to the heroic first responders battling the blaze, burned within a quarter-mile of the park. Suppression efforts associated with this fire included nearly 400

Agenda Item: 5.3 Monthly Parks and Recreation Department Report
Information Item

firefighters, fixed-wing aircraft, helicopters, and more than a dozen bulldozer crews. The brave crews used the recreation area as a source of water for battling the blaze, as a staging area for crews and for a base camp in which firefighters could camp and rest. As mentioned previously, the Lime Fire burned approximately 1,000 acres of land, trees, and brush but no structures were damaged before it was ultimately extinguished.

Citations/Enforcement Summary

There were zero (0) citations issued during the month of June.

Grants

Staff is currently working with County and State contacts to assess potential funding opportunities associated with the COVID-19 pandemic. Many new funding opportunities are starting to roll out and staff is eagerly working on evaluating what those opportunities are and whether the District qualifies for them. Staff will continue to monitor potential grant opportunities and will pursue all available opportunities that may arise. As the COVID-19 pandemic complete closure comes to a close, opportunities may arise for grants and funding to aid the Recreation efforts at the District. Staff will evaluate any potential future funding opportunities as they are identified and evaluated.



Staff Report

To: Engineering and Operations Committee

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

From: Staff, Environmental Planning and Conservation Department

Date: June 26, 2020 (July 2, 2020 Meeting)

Agenda Item: 5.4 Monthly Environmental Services Department Report Information Item

Staff Recommendation:

Receive the report on activities conducted in June 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 for steelhead habitat and migration, when specific triggers are met. Triggers for enhanced habitat water releases are based on cumulative rainfall within the water year (beginning October 1 each year) as recorded at Ventura County Watershed Protection District's rainfall station No. 160, located at Lake Piru (see table below). Based on measured cumulative rainfall for the water year, shown in the table below, triggers for enhanced habitat water releases have been met for the remainder of this water year. Therefore, the minimum required water release will remain at 9 cubic feet per second (cfs) through October 1, 2020.

2020 Habitat Water Release Trigger Date (1 st of every month)	Trigger Criteria (total cumulative) precipitation on trigger date)	Minimum Required Water Release (if trigger is met)	2019-2020 Measured Cumulative Precipitation	Actual Minimum Required Habitat Water Release for Month
January	4.80 inches	15 cfs	8.65 inches	15 cfs
February	8.10 inches	20 cfs	9.38 inches	20 cfs
March	12.00 inches	20 cfs	9.51 inches	7 cfs
April	14.90 inches	20 cfs	15.19 inches	20 cfs

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May	16.30 inches	10 cfs	19.13 inches	10 cfs
June	17.50 inches	9 cfs*	19.26 inches	9 cfs

* If triggered, the minimum required water release will remain at 9 cfs through October 1, at which time, the minimum required water release will be 7 cfs through January 1 of next calendar year.

b. Fish Passage

On February 23, 2020, United filed a letter with FERC in response to an information request issued by FERC on December 10, 2019. In the February 23, 2020 letter, United outlined several measures for monitoring upstream migrating adult steelhead in Piru Creek and the Santa Clara River (below the Santa Felicia Dam), and committed to filing a status update by June 1, 2020. On June 1, 2020, United filed a status update with FERC confirming receipt of proposals from environmental consultants for support in the development of upstream fish passage study elements for the Santa Felicia Project, including design, and fabrication of a low-tech/low-cost interim trapping structure as well as securing any necessary permits and approvals for these actions. Staff is evaluating these proposals and anticipates making a recommendation to management during July. Development of upstream fish passage study elements, and design of the low-tech/low-cost fish trap is expected to be completed in advance of the next migration period (beginning January 1, 2021). United committed to provide another status update to FERC on the proposed activities by November 31, 2020.

c. Habitat Improvement Plan

On April 27, 2020, FERC issued an order modifying and approving United's Habitat Improvement Plan (HIP). On May 27, 2020, National Marine Fisheries Service (NMFS) filed a request for rehearing on FERC's April 2020 order. On June 24, 2020, FERC issued an order granting rehearing for further consideration. The order acknowledges that NMFS' request for rehearing was submitted within the appropriate timeline. In the absence of a response from FERC within 30 days of receipt, the request for rehearing would have been deemed denied. In summary, the order granting rehearing is intended to allow additional time for FERC to consider the matters raised in NMFS' request for rehearing. FERC will issue a response to NMFS' request for rehearing in a future order.

d. Land Resource Management Plan

On June 30, 2020, staff filed the 2020 Annual Report for the Land Resource Management Plan. The annual report outlines activities associated with use of the wet crossing below the Santa Felicia outlet works. During the reporting period (July 1, 2019 through June 30, 2020) the wet crossing was implemented on two occasions (once for ingress, the other for egress), by a D6 Dozer to access the toe of the dam to perform maintenance. All activities, monitoring, and reporting were conducted in compliance with the FERC license and associated biological opinion issued by NMFS.

e. Lake Piru Recreation Area Maintenance

Beginning in May 2020, surveys were conducted at the Juan Fernandez boat launch facility in preparation for development of the seasonal swim beach. Observation of a red-tailed hawk nest with two nestlings caused a delay in project activities. In coordination with recreation, staff monitored the nest weekly and determined the nest to be fledged by June 2, 2020. In accordance with the Lake and Streambed Alteration Agreement for Routine Maintenance at the Lake Piru Recreation Area issued by the California Department of Fish and Wildlife (CDFW), staff conducted follow-up nesting bird surveys on June 15 and 17, 2020. No additional nests were identified. A survey report was submitted to CDFW on June 19, 2020. Swim beach maintenance activities were conducted on June 20, 2020. A qualified biological monitor was onsite during work activities.

f. Santa Felicia Dam Safety Improvement Project

Staff is providing support to the Engineering Department on environmental elements associated with the Santa Felicia Dam Safety Improvement Project. On April 15, 2020, staff submitted a notification package for a Lake and Streambed Alteration Agreement to CDFW for geotechnical study activities. On June 2, 2020, CDFW staff determined the notification package to be complete. This notification started a 60-day timeline for CDFW to provide United with a draft permit agreement. On May 26, 2020, United filed an Application for Non-Capacity Related Amendment of License for the Santa Felicia Project. This amendment is intended to update the FERC license to include the Santa Felicia Dam Safety Improvement Project elements. On June 1, 2020, FERC acknowledged receipt and acceptance of the application submission.

2. Freeman Fish Ladder Operations

In accordance with the 2008 NMFS Biological Opinion, June 1 represents the end of the steelhead migration season and the date when diversion operations are no longer limited by bypass flow requirements. Standard operation procedures call for diversions to be resumed using a phased, ramp-down approach over the course of several days. Environmental Services conducted several surveys downstream of the facility during the ramp-down process under the supervision of a NMFS Office of Law Enforcement (OLE) special agent. Surveys were conducted within the “critical reach,” (i.e., approximately from the 101 bridge to just upstream of the 118 bridge) on June 2, 3, and 4, 2020, during different phases of the ramp-down. On June 2, two separate teams conducted pedestrian surveys of contiguous sections of the critical reach observing for dewatered sections of the river and stranded fish. A third team, accompanied by the OLE special agent, remained on stand-by ready to respond in the event any of the pedestrian teams encountered *Oncorhynchus mykiss* (*O. mykiss*). On June 3, staff conducted targeted snorkel surveys of habitats identified during the June 2 survey which were particularly suitable for *O. mykiss* or otherwise difficult to assess visually from the bank. Pedestrian surveys were conducted again on June 4, focusing on areas further upstream and habitats that were expected to dewater. The June 4 surveys consisted of two pedestrian teams and one overwatch team accompanied by the OLE special agent. No *O. mykiss* were observed during the surveys.

Agenda Item: 5.4 Monthly Environmental Services Department Report Information Item

Also in accordance with the 2008 biological opinion, on June 18, 2020, United notified NMFS OLE of our intent to utilize an Eddy suction pump to remove accumulated sand from the Freeman headworks and minimize the need for sediment sluicing through the roller gate. The notification outlined activities within the facility footprint and measures designed to avoid adverse effects to *O. mykiss*. In response, a NMFS biologist requested additional information, which was provided. In addition, the NMFS biologist forwarded United's notification to CDFW. Staff is in the process of consulting with CDFW on the proposed activities.

3. Multiple Species Habitat Conservation Plan (MSHCP)

The fourth administrative draft of the MSHCP was finalized and filed with resource agencies and the Court on June 30, 2020. This accomplishment was the result of the collective efforts by staff from multiple District departments driven by the leadership of the General Manager. Following is a summary of the most recent efforts conducted during the final month of development.

The habitat conservation planning team (HCP Team, consisting of staff and United's consultants) completed the draft conjunctive use appendix, which was submitted to the resource agencies on June 5, 2020. Subsequently, the HCP Team completed updates to chapters 9 and 10, which were submitted to the resource agencies on June 9, 2020. The conjunctive use appendix and chapter 9 were the subject of live-edit meeting #7, and chapter 10 was the subject of live-edit meeting #8.

Comments from the US Fish and Wildlife Service (USFWS), NMFS, and CDFW were received on the conjunctive use appendix and chapter 9 by June 12, 2020, which were subsequently responded to, forming the basis for the live-edit meeting #7 which took place on June 17, 2020. Comments from the USFWS were received on chapter 10 by June 12, 2020, which were subsequently responded to, forming the basis for the live-edit meeting #8 which took place on June 18, 2020. Comments from NMFS and CDFW were not received by the requested timeline. Representatives from NMFS, USFWS, CDFW, United, and consultants Stillwater Sciences, ICF, and Rincon participated in live-edit meeting #7 and #8, which were conducted in a virtual setting via WebEx. The virtual format continued to be successful and efficient, accomplishing the key functions of these meetings and maintaining coordination with the resource agencies on MSHCP development.

The HCP Team completed updates to chapters 7 and 8, which were submitted to the resource agencies on June 16 and 17, respectively. Comments from the USFWS were received on chapter 7 and 8 by June 23, 2020. USFWS' comments were straight forward, and addressed in the document without requiring discussion during the live-edit meeting. Comments from NMFS and CDFW were not received by the requested timeline. Preliminary comments on chapter 10 from NMFS were received on June 22, 2020, forming the basis for the live-edit meeting #9 which took place on June 24, 2020. Representatives from NMFS, USFWS, CDFW, United, and consultants Stillwater Sciences, ICF, and Rincon participated in live-edit meeting #9, which was once again conducted in a virtual setting via WebEx. Following live-edit meetings, the HCP Team updated each chapter of the MSHCP to complete the fourth administrative draft for submittal on June 30, 2020, meeting the court ordered deadline for all permitting documents to be complete and submitted to the Court and resource agencies.

Agenda Item: 5.4 Monthly Environmental Services Department Report Information Item

Throughout this process, United has engaged with staff from CDFW regarding the jurisdictional waters permitting and incidental take permitting in compliance with California Fish and Game Code. The notification of streambed alteration, in support of a Streambed Alteration Agreement (SAA) for the construction of the Freeman Rehabilitation Project was submitted to CDFW on June 30, 2020. The incidental take permit (ITP) process is underway internally, to be completed by Environmental Services staff. The HCP team will continue to coordinate with CDFW as needed during the SAA and ITP application/review.

An administrative draft Environmental Impact Report (EIR) required under the California Environmental Quality Act (CEQA) for the Freeman Rehabilitation and Freeman Expansion Projects has been completed and included with the MSHCP submittals.

In issuing federal Incidental Take Permits (ITPs) and permitting under the Clean Water Act, NMFS, USFWS, and the Army Corps of Engineers (ACOE) will be performing an evaluation under the National Environmental Policy Act (NEPA) and developing either an Environmental Impact Statement or Environmental Assessment for their decision to issue permits. The NEPA process is not subject to the June 30, 2020 court ordered deadline as United is not the lead agency in this regulatory process. The administrative draft EIR was shared with the consultant performing the NEPA assessment to inform the federal process.

a. Public Records Request

On April 3, 2020, United received a Freedom of Information Act (FOIA) public records request from the Wishtoyo Foundation requesting specific documentation associated with the HCP process. Following receipt of the request, staff (from multiple departments) compiled extensive documentation and correspondence and forwarded documents to legal counsel on June 15, 2020.

4. Quagga Mussel Management

b. Monitoring

Quagga mussel monitoring activities have been considered non-essential and are temporarily suspended due to COVID-19 challenges. Environmental Services is working with the Safety and Security Program Coordinator to develop protocol for recommencing monitoring activities in a manner that is safe for staff and the community.

c. Control

On February 26, 2019, United submitted a permit application package for a special local need permit to the California Department of Pesticide Regulation (CDPR). Since that time, United has provided additional information to CDPR, and CDPR has provided review status updates. On June 22, 2020, United was informed that CDPR surface water staff are close to finalizing an evaluation report on the permit application.