

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

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer



UNITED WATER CONSERVATION DISTRICT
“Conserving Water since 1927”

REGULAR BOARD MEETING
MINUTES

Monday, July 11, 2018, 12noon
Board Room, UWCD G.I. “Irv” Wilde Headquarters
106 North 8th Street, Santa Paula, California

DIRECTORS PRESENT:

Robert Eranio, President, Division 3
Daniel C. Naumann, Vice President, Division 6
Michael W. Mobley, Secretary/Treasurer, Division 2
Sheldon Berger, Division 7
Bruce E. Dandy, Division 5
Edwin T. McFadden III, Division 1

DIRECTORS ABSENT:

Lynn Maulhardt, Division 4

STAFF PRESENT:

Mauricio E. Guardado, Jr., General Manager
Anthony Emmert, Assistant General Manager
Bob Siemak, Assistant General Manager
Tina Rivera, Chief Financial Officer
Mike Ellis, Chief Operations Officer
Brian Collins, Operations and Maintenance Manager
Jim Grisham, Engineering Manager
Christy Ramirez, Executive Coordinator
Clayton Strahan, Senior Park Services Officer
Dan Detmer, Senior Hydrogeologist
Katherine Ayres, Associate Ecologist
Linda Purpus, Senior Environmental Scientist
Kris Sofley, Executive Assistant/Clerk of the Board

PUBLIC PRESENT:

Clark Easter, Global Water Innovations
Mark Juergensen, Wellhead Energy
Jeanette Lombardo, Global Water Innovations
Tony Morgan, Daniel B. Stephens & Associates, Inc
Susan Rungren, Ventura Water
Jeff Savard, Kennedy/Jenks

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

President Eranio called the meeting to order at 12pm and asked Legal Counsel to provide an outline of the matters to be discussed in Executive (Closed) Session.

1.1 Public Comments

President Eranio asked if any members of the public had any comments for the Board, none were offered.

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

The Board adjourned to Executive (closed) session.

2. SECOND OPEN SESSION AND CALL TO ORDER 1:30 P.M.

President Eranio called the second open session to order and asked Director Naumann to lead the group in the Pledge of Allegiance.

2.1 Pledge of Allegiance

Director Naumann led the group in the Pledge of Allegiance

**2.2 Public Comment
Information Item**

President Eranio asked if any members of the public wished to address the Board; no public comments were offered.

**2.3 Approval of Agenda
Motion**

President Eranio asked if there were any changes or amends to the agenda. Mr. Guardado replied that there were no changes to the agenda. President Eranio then asked for a motion to approve the agenda.

Motion to approved the agenda, Director Dandy; Second, Director Mobley. Voice vote: seven ayes (Berger, Dandy, McFadden, Mobley, Naumann, Eranio); none opposed; one absent (Maulhardt). Motion carries 6/0/1.

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

District Legal Counsel David D. Boyer reported that there were no actions taken during closed session that were reportable in accordance with the Brown Act.

**2.5 Board Communication
Information Item**

President Eranio asked the Directors to report on their activities from the previous month.

Director Berger reported that he attended a couple of AWA meetings and events, the Special Board meeting and the Finance Committee meeting and a couple of ad hoc Legislative committee meetings.

Director Dandy reported that he participated in a couple of ad hoc legislative calls, attended the AWA Breakfast, and the District's Operations Committee, Environmental Committee, and Finance Committee meetings as well as the Special Board meeting. Director Dandy also stated that he attended a meeting of the Santa Clara River Watershed committee and reminded everyone that the District's John Lindquist would be the speaker at the next Oxnard Chamber Water Issues Committee meeting on July 16.

Director McFadden reported his attendance at the Fillmore and Piru Basins GSA Board of Directors meeting, and also stated that he would be participating in the upcoming FPBGSA Budget Workshop meeting on Monday, July 16 and Board Meeting on July 17.

Director Mobley reported his participation at the June 13 and June 15 Board meetings, his attendance at the Finance and Environmental Committee meetings and a meeting to review water issues with Groundwater staff and President Eranio in preparation for his participation at the Fox Canyon GMA meeting on June 20. He also attended the Mound Basin GSA Board meeting on June 21 and reported that the Mound Basin GSA would have its first public hearing to establish a groundwater extraction fee on August 23 and its next Board meeting would be July 26.

Director Naumann reported that he had participated in a couple of ad hoc Legislative committee meetings; a JPA prep meeting, and attended the Special Board meeting at the new building. He said he had also attended the Environmental committee meeting and, along with Director Berger, was in the process of reaching out to members of the Oxnard City Council to arrange meetings. He also reported that he would be attending the next Riverpark JPA meeting scheduled for July 18.

President Eranio reported his participation at the June 13 and Special Board meeting on June 25, an Executive Committee meeting on June 18, had several discussions with Legal Counsel regarding ongoing legal issues; had attended the Fox Canyon GMA meeting on June 20 and the Fox Canyon GMA Operations committee meeting on June 4, as well as the AWA Breakfast and Water issues meetings and reminded everyone that on July 17, the District's Groundwater Staff would be making a special presentation of the District's groundwater model to the AWA water issues group.

2.6 General Manager's Report

Information Item

Mr. Guardado reported on his recent trip to Washington, DC as part of a large group of Water District and Agencies' general managers. He said he was advocating for the FISH Act, which Ms. Ramirez would be presenting later in the meeting. He also welcomed the District's new Assistant General Manager Bob Siemak and introduced him to the Directors, saying "Bob would be a great addition" to the District's staff.

President Eranio asked if the Board had any questions or comments. None were offered.

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 June 13, 2018.

B. Groundwater Basin Status Reports

Information Item

Receive and file Monthly Hydrologic Conditions Report for the District.

C. Monthly Investment Report

Information Item

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

D. Substitute Revised Salary Schedule for FY 2018-19

Motion

The Board shall consider substituting a revised salary schedule for the salary schedule originally contained in the adopted Fiscal Year 2018-19 Budget.

Motion to approve Consent Calendar items A through D, Director McFadden; Second, Director Naumann. Roll call vote: six ayes: (Berger, Dandy, McFadden, Mobley, Naumann, Eranio); none opposed; one absent (Maulhardt). Motion carries unanimously 6/0/1.

4. MOTION ITEMS (By Department)

Administrative Department – Christy Ramirez and Tina Rivera

4.1 District Position on Proposition 3 - Water Supply and Water Quality Bond Act of 2018

Motion

Christy Ramirez made a request of the Board to consider taking an official District position in support of Proposition 3, the Water Supply and Water Quality Bond Act of 2018. She reported that Director Dandy had attended a special presentation in Ventura on the Bond and stated that there is \$10 million in funding available for the Santa Clara River and \$60 million for general watershed improvements and that the bond represents a number of opportunities for the District.

President Eranio asked for clarification as there was no Resolution or letter of support. Ms. Ramirez said that the letter was initially thought to come from the General Manager, addressed to local and state representatives, as well as to the Water Quality Initiative, which would add the District's name to its list of endorsers.

Motion to support Proposition 3, Director Naumann; Second, Director Dandy. Voice vote: six ayes (Berger, Dandy, McFadden, Mobley, Naumann, Eranio); none opposed; one absent (Maulhardt). Motion carries unanimously.

4.2 District Position on H.R. 3916 Federally Integrated Species Health Act (FISH Act)

Motion

Ms. Ramirez explained the purpose of the proposed act in providing a consistent voice and direction for agencies by consolidating oversight of Endangered Species in freshwater sources under the US Fish and Wildlife rather than receiving conflicting direction from both US Fish and Wildlife and National Marine Fisheries Service.

Mr. Guardado explained consolidating the management and regulation of the Endangered Species Act (ESA) within the Department of Interior's Fish and Wildlife Service (FWS) would reduce confusion created by the dual administration of the ESA by both the Department of the Interior's U.S. Fish and Wildlife and the Commerce Department's National Marine Fisheries Service (NMFS). The FWS primarily has responsibility for terrestrial and freshwater organisms, while NMFS responsibilities are mainly for marine wildlife, such as whales, and anadromous fish, such as steelhead trout. The FISH Act would transfer all of the NMFS' ESA responsibilities to the FWS for an improved governance structure overseeing a more holistic watershed management approach. Mr. Guardado said this would be a great benefit to the District.

Motion to officially adopt the District's position in support of H.R. 3916 Federally Integrated Species Health Act (FISH Act), Director Naumann; Second, Director Mobley. Roll call vote: six ayes (Berger, Dandy, McFadden, Mobley, Naumann, Eranio); none opposed; one absent (Maulhardt). Motion carries unanimously. 6/0/1.

Engineering Department – Jim Grisham

4.3 California Environmental Quality Act (CEQA) Compliance for Wellhead Energy's Community Energy Reliability Center Proposal in the amount of \$70,442 for a Mitigated Negative Declaration (MND) or \$104,883 for an Environmental Impact Report (EIR)

Motion

Jim Grisham reminded the Board that it had approved an agreement with Wellhead Energy for installation of solar panels above the recharge basins of El Rio. This motion is for the CEQA portion of bringing this project closer to fruition. The price of the project is being paid for by Wellhead, so there is no costs to the District. Mr. Grisham also explained that because Rincon is still completing its study, staff has asked for Board approval of either the Mitigated Negative Declaration (MND) or Environmental Impact Report (EIR) at this time, however, staff will soon determine which of the two reports need to be submitted.

President Eranio asked if there were any questions or comments. Director Naumann asked what the time frame was for the project and a decision on whether it will require an MND or EIR.

Mr. Grisham responded that it was dependent upon Edison's approval of this step of Wellhead's process. President Eranio said that Rincon was working through United, and clarification of direction going forward is expected within 30 to 60 days.

Wellhead's Mark Juergensen then addressed the Board, explaining his company submitted its proposal to Edison on July 3. Roughly it's an 18 month process, so they are looking at March 1, 2020.

Mr. Emmert said that since the Board is typically dark in August, staff didn't want to hold up the process so that is why staff is seeking direction and Board approval at this time.

Motion to authorize the General Manager to execute a Professional Services Agreement (PSA) with Rincon Consultants, Inc. to complete either a Mitigated Negative Declaration (MND) or an Environmental Impact Report (EIR) based on the information set forth in the initial study regarding (CEQA) for the proposed Wellhead Energy's Community Energy Reliability Center (CERC) and authorize an expenditure in the amount of \$70,442 for an MND or \$104,883 for an EIR with either option being fully funded by Wellhead Energy, Director Dandy; Second, Director McFadden. Roll call vote: six ayes (Berger, Dandy, McFadden, Mobley, Naumann, Eranio); none opposed; one absent (Maulhardt). Motion carries 6/0/1.

4.4 Resolution 2018-09 A Resolution of the Board of Directors of the United Water Conservation District making Certain Findings and Determinations in Accordance with the California Environmental Quality Act (CEQA) for Adoption of a Mitigated Negative Declaration (MND) and Mitigation Monitoring Reporting Program (MMRP) and the Implementation of the Pothole Trailhead Parking Area Project Motion

Mr. Grisham explained that when the District's FERC license was approved in 2008, the District's Recreational Plan upon which approval was based, included a trail system on the East side of the reservoir on land the District

didn't own and connected to trails that didn't exist. Compliance officers reminded the District that it needed to proceed with this project. Staff asked for a revision or amendment, but unfortunately, could not get it removed. As a federally licensed project, the District is responsible for providing recreational activities. As a compromise, the District said it would construct a parking lot with restroom and trash facilities.

President Eranio said he thought BluePoint was no longer in use. Mr. Grisham said it is neighboring landowners wanted to keep the gates locked. Director McFadden asked about road maintenance. Mr. Grisham said road maintenance was the responsibility of the Forest Service. He also said the area is underused and that the Juan Fernandez boat ramp hasn't been used since 2012.

Mr. Emmert said at present, anyone who comes through the gate into the Recreation area, you would have to pay. But the Forest Service might want to allow access in future free of charge. One of the things that the District is asking of the Forest Service is to document the easement across District land, specifically for the Pothole Trail, which is part of their project to upgrade the trail. The District will have to haul trash out occasionally from the parking lot area.

Motion to adopt **Resolution 2018-09** a Resolution of the United Water Conservation District approving and adopting the Mitigated Negative Declaration (MND) and accompanying Mitigation Monitoring and Reporting Program (MMRP), approving the Pothole Trailhead Parking Area Project and authorizing its implementation by the General Manager; and directing the General Manager to file a Notice of Determination in accordance with CEQA, Director Mobley; Second, Director Berger. Roll call vote: six ayes (Berger, Dandy, McFadden, Mobley, Naumann, Eranio); none opposed; one absent (Maulhardt). Motion carries unanimously 6/0/1.

4.5 Award Design Contract for the Iron and Manganese Treatment for Deep Wells of the El Rio Water Treatment Plant and Oxnard Hueneme Pipeline System (Phase 1)

Motion

Mr. Grisham reminded the Board that this is the same item brought to the Board in May. Since that time, staff had compared and contrasted the alternative treatment option. He then turned the presentation over to Robert Richardson. Mr. Richardson said the good news was the District's award of a \$300,000 grant through the WaterSMART Drought Response Program from the US Bureau of Reclamation which would offset costs of the project.

Mr. Richardson said the District's upper aquifer system wells have lost approximately 50 percent of operation, becoming unreliable as a result of the drought. The nitrate concentrations have been kept under control through blending with lower aquifer system wells.

Given the water supply and water quality declines in the upper system wells, and the relative stability of lower system wells, staff has made two significant changes. One, blending upper and lower aquifer well production to reduce nitrate concentration; the second, implemented in February 2018, switched lower aquifer system wells to be variable rather than primary sources. Division of Drinking Water has mandated the District install an Iron and Manganese treatment system for the water. In May 2018, staff recommended awarding Kennedy/Jenks with the contract for an iron and manganese treatment plant for deep wells at the El Rio Water Treatment Plant and Oxnard Hueneme Pipeline system. Board asked staff to compare the Kennedy/Jenks system with the alternative proposal from Global Water Innovations. Staff found the Global Water Innovation costs were nearly double that of the Kennedy/Jenks proposal. Recent changes in operations have controlled nitrate levels and reduced energy costs.

Mr. Richardson said staff is recommending a two phase approach: phase one to award a design contract to Kennedy/Jenks for the design of an iron and manganese treatment plant for deep well at El Rio Water Treatment Plant and Oxnard Hueneme Pipeline system; at the same time, staff will conduct analysis of nitrate treatment technologies, some of which may have to be pilot studies, during which time staff may also seek grants to offset the costs of these technologies. Phase two would be the future implementation of nitrate treatment technologies.

Director Naumann asked several questions about the feasibility of addressing all three issues – iron, manganese, and nitrates – at the same time.

Mr. Richardson said staff did some modeling over the past few years. Water quantity will continue to be reduced as the drought continues and energy use will continue to increase as the well levels go lower.

President Eranio invited Clark Easter of Global Water Innovations to address the Board. He said he asked District staff for six years of historical data. Nitrate problem is episodic, and based on historical data, used 7.5 as the set point for nitrate levels. He also saw the District's cost analysis for the nitrate solution (\$17 million), which he felt was overstated (by \$10 million). Over the lifecycle of the project, he felt the cost savings could be between 3 to 1 to 5 to 1 advantage in using nitrate treatment as the primary treatment. District is using 8.6 set point instead of the 7.5 used by Global Water Innovations. District is also assuming it can control blending by using VFD controls, while simultaneously matching lower and upper aquifer wells' operations, which is pretty tricky. Mr. Easter said every time the District pumps from the lower aquifer, it costs the District \$60 more an acre foot. If the projects are separated out, it will cost the District significantly more overall. If the design projects are combined, the District could save a million bucks.

Mr. Easter said the Board ought to reissue an RFP for the design of a treatment system with nitrate included in the design.

Jeanette Lombardo then addressed the Board. She thanked the Board for considering the alternative option. It was her belief that the District could save \$6 million by integrating the treatments of iron and manganese with nitrate.

President Eranio asked if Operations committee had any comments. Mike Ellis took exception to Mr. Easter's assumptions that the District was following Global Water Innovation's approach. He said nitrate removal required pilot testing that would take 18 months or more and extensive amounts of money and he believed that staff's recommendation should be acceptable.

Director McFadden said he supported staff's recommendation.

President Eranio asked for the Finance Committee's thoughts. Director Mobley said that the Finance Committee also supported staff's recommendation.

Mr. Grisham added that the Global Water Innovations approach would require testing that would take at least six to eight months.

Director McFadden said that staff is qualified to make technical assessments and analysis, and he didn't want to be in a position to second guess staff.

President Eranio said he wasn't second guessing staff, he was just sharing his perspective. He then asked what the Board's pleasure was in moving forward.

Motion to authorize the General Manager to execute a professional services agreement in the amount of \$572,675 to Kennedy/Jenks Consultants, Inc. for the engineering design of an iron and manganese treatment plant for deep wells at the El Rio Water Treatment Plant and Oxnard Hueneme Pipeline System, Director McFadden; Second, Director Mobley. Roll call vote: five ayes (Berger, Dandy, McFadden, Mobley, Eranio); none opposed; one abstaining (Naumann); one absent (Maulhardt). Motion carries 5/0/1/1.

4.6 Southern California Edison Request for Overhead Easement (APN 129-0-020-060)

Motion

Mr. Grisham explained that the easement was in a riverbed parcel and Southern California Edison would like to extend the existing 50 foot wide utility easement another 40 feet in each direction.

Motion to grant Southern California Edison a ninety-foot (90-foot) wide overhead easement and right-of-way in the Santa Clara River south of North

Bank Drive and north of the Ferro Recharge Basin, Director Berger; Second, Naumann. Roll call vote: six ayes (Berger, Dandy, McFadden, Mobley, Naumann, Eranio); none opposed; one absent (Maulhardt). Motion carries unanimously, 6/0/1.

Operations and Maintenance – Mike Ellis

Mr. Ellis introduced Brian Collins, acknowledging his recent promotion to Operations and Maintenance Manager, and turned the presentation for Motion 4.7 over to Mr. Collins.

4.7 Rehabilitation of Pumping Trough Pipeline Well #1 and Pump Assembly

Motion

Motion to authorize the General Manager to execute a contract for the rehabilitation of Pumping Trough Pipeline Well #1 in an amount up to \$123,000, Director Naumann; Second, Director Mobley. Roll call vote: six ayes (Berger, Dandy, McFadden, Mobley, Naumann, Eranio); none opposed; one absent (Maulhardt). Motion carries unanimously 6/0/1.

5. PRESENTATIONS AND MONTHLY STAFF REPORTS (By Department)

Administration Services – Tina Rivera and Christy Ramirez

5.1 Monthly Administrative Services Department Report – Tina Rivera
Information Item

Ms. Rivera gave a USB drive to Ms. Sofley, asking her to pull up the presentation on the USB drive.

Ms. Rivera said she wanted to share the fun facts from the month of June. Groundwater Statements have been refined to the maximum, taking one person one day of work to get the statements prepared and ready to be distributed. She said this was a result of the new software as well as the new processes. Going back to the “fun facts,” she said her department dealt with some 363 payables processed; handled payroll for 65 employees; paid out merit pay and vendors related to payroll. Other duties include \$853,000 in billing; processing payment of just over \$1.2 million. Fillmore and Piru Basins GSA processed \$131,155 in cash collections and set up FY18-19 Budget in Quickbooks. Ms. Rivera then went on to report that she and Mike Ellis presented to the Saviers Road Mutual Water Company’s annual Board meeting and developed an interfund loan agreement for the new headquarters project.

Outreach, Legislative, Grants and Training Report – Christy Ramirez

5.2 Monthly Outreach, Legislative, Grants and Training Report
Information Item

Ms. Ramirez provided highlights from the last month in a recap of Mr. Guardado’s meetings in Washington, D.C.; the high open rate for the District’s electronic newsletter (41.6%, double the industry average); staff’s participation in public speaking and outreach efforts on behalf of the District; advocating for various legislative acts and actions; and the award

of a \$300,000 federal grant from the Bureau of Reclamation and staff's continuing pursuit of other grant opportunities.

Engineering Department – Jim Grisham

**5.3 Monthly Engineering Department Report
Information Item**

Mr. Grisham addressed the Board saying he had a couple of updates on the monthly staff report. He said the District received word from DWR that a map will have to be prepared for the SFD Spillway, in the event of a failure (earthquake or other catastrophic event) and submitted by November 1, 2018. He added that the administrative draft EIR on the dam safety projects has been completed and is in review period now.

Director Dandy asked for an update on the Rangers' office.

Mr. Grisham said the attempts to use a crane have been abandoned and other methods are being considered, with change orders in the works.

Operations and Maintenance – Mike Ellis

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

Brian Collins presented a brief slideshow highlighting operations and maintenance activities over the past month. Mr. Collins said the District's production capacity for the Oxnard Hueneme well field is declining. Nitrate blending is working well. Staff training in chlorine and other safety handling procedures continues. Following the Board's direction to reach out to Port Hueneme and Oxnard regarding the Emergency Power generator. Staff have reached out to both entities, but has not had any expressed interest as yet.

Mr. Guardado reported that staff presentations and educational outreach is also taking place with the Cities of Oxnard and Port Hueneme.

Mr. Collins continued with an update of the PTP metering project. He said that four turnouts had been completed to date. Travis Ag helped in removing existing corroded turnouts and with staff, installed SCADA integrated flow meters on each turnout. Mr. Collins reported that the District recently experienced a PTP Reservoir VFD failure. Staff was prepared and ready to replace and repair and had the system back up within the day. Mr. Collins also said the sand separator on PTP #4 was expected to be replaced sometime in August.

He also reported that energy efficiencies continue to return savings on the District's investment of upgrading wells. Sequencing optimization delivered \$1.8 million in savings.

Environmental Planning and Conservation Department – Anthony Emmert

5.5 Monthly Environmental Planning and Conservation Department Report

Information Item

President Eranio asked if the Board had any questions or comments regarding the summary report on environmental and regulatory issues of note to the District. None were offered.

5.6 Quagga Mussel Management Efforts Update

Information Item

President Eranio asked if there were any questions or comments regarding the summary report on the ongoing management and monitoring efforts related to the Lake Piru quagga mussel infestation. None were offered.

Groundwater Department – Staff

5.7 Monthly Groundwater Department Report

Information Item

President Eranio asked if the Board had any questions or comments regarding the summary report on monthly Groundwater Department activities. None were offered.

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

Information Item

President Eranio provide a brief overview of the projects being considered by the Fox Canyon GMA's GSA plan. He said the GMA has eliminated the Moorpark Desalter project as it didn't create any new water supply benefit but rather it only addressed water quality; purchase State Water through Calleguas, with GMA paying differential for pumpers extracting versus State Water than the allocation will be retired; Arroyo Las Posas arundo removal project is a go; buying Simi effluent will be reconsidered at another time; Curtis Hopkins provided new information regarding water yield of AWPf phase II full buildout; RiverPark Saticoy recycled water, taking AWPf water into the spreading grounds is a go; Oxnard stormwater capture project is a wait; District's brackish water project is a wait as more information is required; Recycled water pipeline up Hueneme Road is an infrastructure project not a new water project so that's a no; Anacapa project needs to discuss policy on third party impacts; Freeman expansion project to 750cfs is a yes to go forward for more evaluation; ASAP project not enough information so it's a no for now. Three Sisters project, infrastructure and water supply, is on the bubble; more staff evaluation has to be done.

Mr. Guardado asked for clarification on the ASAP project, bringing high volume yield to Oxnard is a no? President Eranio said it didn't tick all the boxes on the check sheet regarding feasibility, costs, yield, etc.

Temporary fallowing of land did not move forward as more information is required.

Mr. Guardado asked Mr. Emmert to update the Board on the GSAs.

Mr. Emmert said the Mound Basin has selected Bryan Bondy as the GSA's Executive Director. Jennifer Tribo is trying to wind up her outstanding projects. District staff is providing technical assistant regarding the GSA's Basin Boundary Modification.

Fillmore and Piru Basins GSA is considering using the District as Executive Director as well as Tim Moore providing technical support. The GSA is having a budget workshop on Monday and the regular board meeting on Tuesday.

Director McFadden added that the Fillmore Piru Basins GSA is pleased to have United staff as its Executive Director.

Park and Recreation Division – Clayton Strahan

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

President Eranio asked if the Board had any questions or comments regarding the summary report on operations and items of note relative to the Lake Piru Recreation Area. Mr. Ellis said that there was an accident at Lake Piru and the occupant was the nephew of former Lake Piru staffer. There is an article in the newspaper regarding the accident.


President Eranio said that it is likely there will be a Special Board meeting later in August, and asked Board members to keep that in mind as they make their summer vacation plans.

ADJOURNMENT 4:15 p.m.

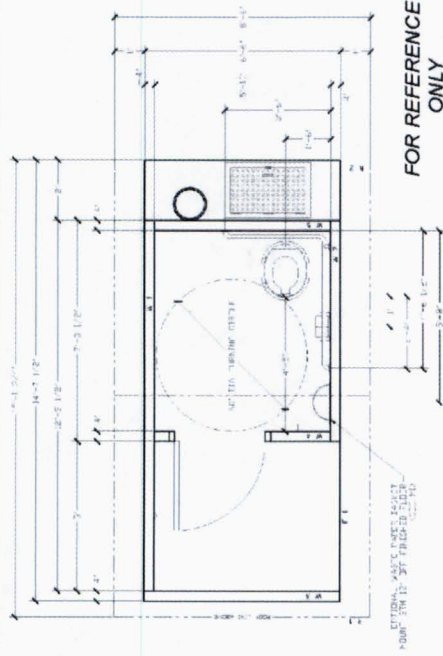
The Board adjourned to the next **Regular Board Meeting** on **Wednesday, September 12, 2018** or call of the President.

I certify that the above is a true and correct copy of the minutes of the Board of Directors Regular Board meeting of July 11, 2018.

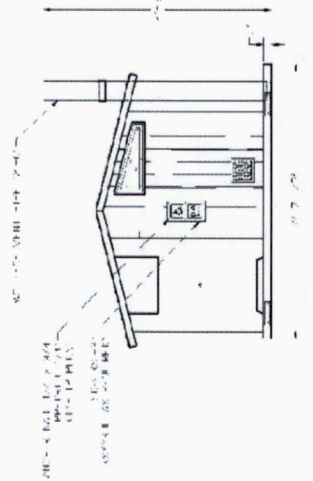
ATTEST: 
Michael W. Mobley, Secretary/Treasurer

ATTEST: 
Kris Sofley, Clerk of the Board

4.4 Pothole Trailhead Parking Lot



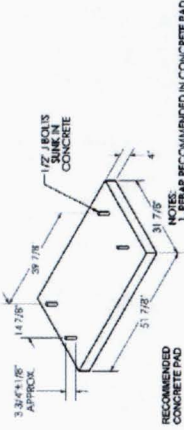
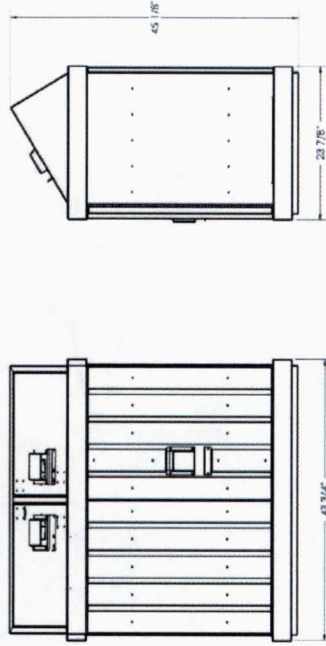
FOR REFERENCE ONLY



FOR REFERENCE ONLY

CXT Precast Concrete
Vaulted Toilet

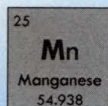
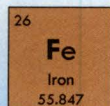
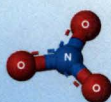
THIS SIDE SHOWN WITH
OPTIONAL WOOD PANELING.



BearSaver-
Trash Enclosure and Recycling

7/11/2018

4.5 IRON AND MANGANESE TREATMENT

U.S. BUREAU OF RECLAMATION
NOTICE OF INTENDED GRANT AWARD

June 22, 2018



Subject: Funding Opportunity Announcement (FOA) No. BOR-DO-18-F008 – WaterSMART Drought Response Program: Drought Resiliency Projects for Fiscal Year (FY) 2018 – DRP-030 Application Review Status, Your Application Titled, "Iron and Manganese Treatment Project."

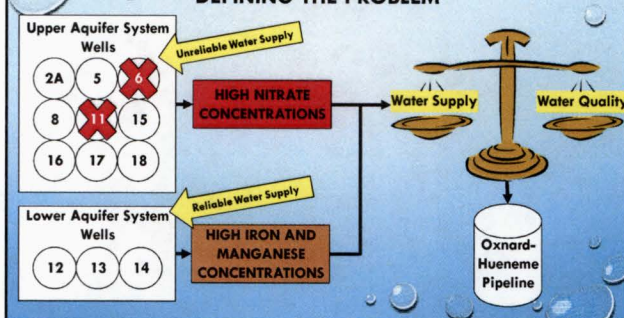
Dear Ms. Ramirez:

Thank you for submitting a WaterSMART Drought Response Program: Drought Resiliency Projects application. The Bureau of Reclamation is pleased to inform you that your application was among those receiving the highest ratings and is now being considered for award of a financial assistance agreement. Your application included a request for \$300,000 to complete your proposal titled, "Iron and Manganese Treatment Project." Reclamation anticipates awarding Federal funds in the amount of \$300,000 for your proposed project.

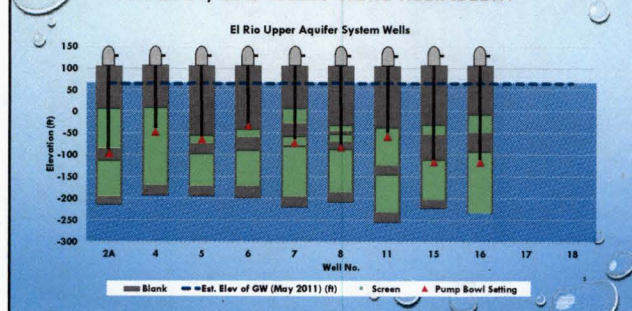
TOPICS

1. Defining the problem
 - a) Water Supply
 - b) Water Quality
2. Change in Operations
3. Why Fe & Mn Treatment?
 - a) SWRCB DDW Mandate
 - b) Impacts to Downstream User
4. Alternative Proposal
5. Moving forward (staff's recommendation)

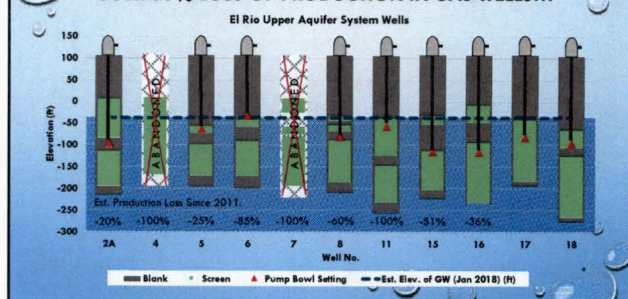
DEFINING THE PROBLEM

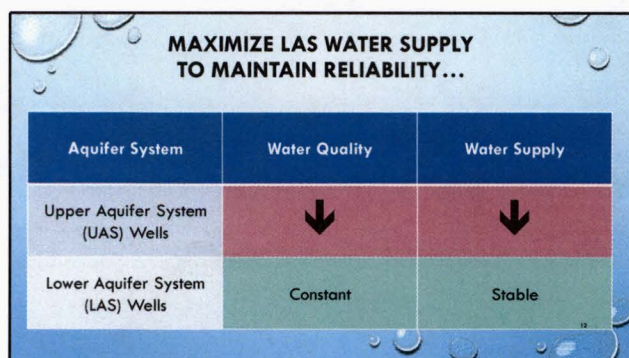
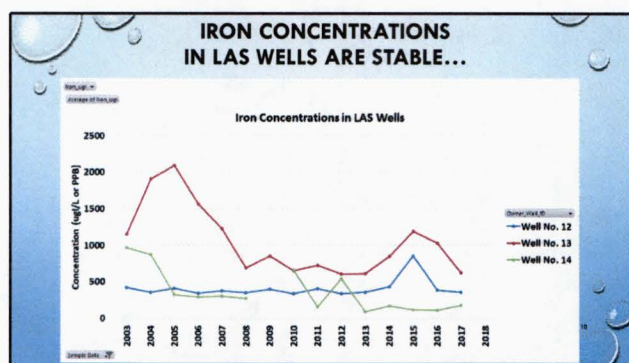
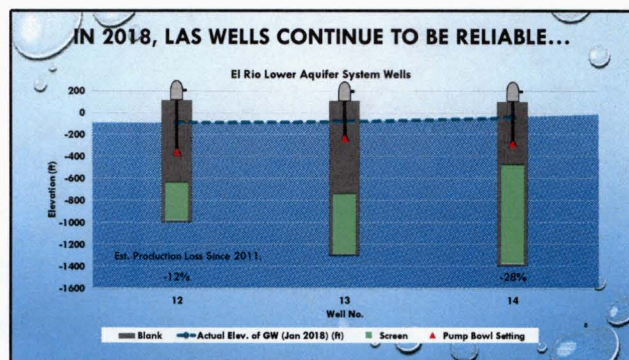


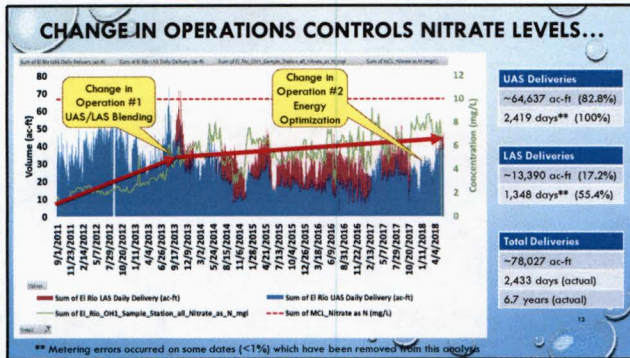
IN 2011, UAS WELLS WERE RELIABLE...



IN 2018, LACK OF GROUNDWATER RECHARGE HAS RESULTED IN OVER 50% LOSS OF PRODUCTION IN UAS WELLS...







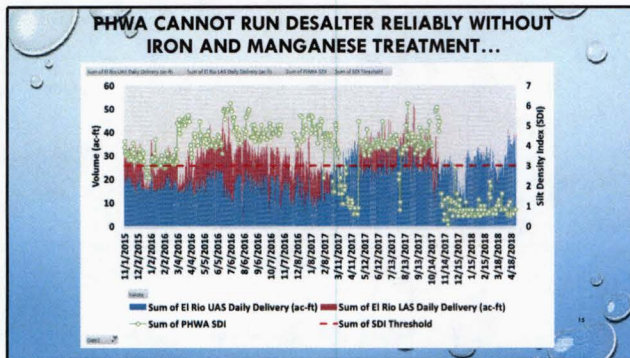
SWRCB DDW MANDATES IRON AND MANGANESE TREATMENT...

Water Boards
State Water Resources Control Board
Division of Drinking Water

DDW response letter to request for iron and manganese waiver for O-H System dated May 4, 2017.

Only three of the eight entities responded to the second survey. Of those responses, all three responded with a request to extend the waiver. Of the five that did not respond, three previously requested a five-year waiver, one requested a one-year waiver, and one did not respond to the first survey. (Non-responses are counted as a request to provide treatment.)

UWGD has requested DDW renew the iron and manganese for an additional one year. Due to the number of non-responses to the 2016 survey, five of the eight votes are counted toward providing treatment and not extending the waiver. Therefore, should UWGD want to continue use of the deep wells past this date, it shall provide treatment to ensure that the OH System remains in compliance with the iron and manganese standards, or comply with the requirements of Section 64449.4 of the California Code of Regulations including public notification of the use of the wells.



BOARD DIRECTED STAFF TO REVIEW ALTERNATIVE PROPOSAL...

Fe
Iron
55.847

Mn
Manganese
54.938

| Project Proposal | Nitrate Treatment of UAS wells | Iron and Manganese Treatment of LAS wells |
|-------------------------|---|---|
| 1. Original Proposal | Indirect – by blending LAS water with UAS | Direct – Manganese Dioxide-Coated Sand ("Greensand Plus") |
| 2. Alternative Proposal | Direct – Microbi Biological Nitrate Removal | Direct – Manganese Dioxide-Coated Sand ("Greensand Plus") |

CAPITAL COSTS REVIEWED BY KENNEDY/JENKS...

| | Iron & Manganese Treatment Only (Greensand Plus) | Nitrate, Iron and Manganese Treatment (Microvi + Greensand Plus) |
|--|--|--|
| Capital Cost (Original) | \$3,822,000 – Location B (Feasibility Study) | \$5,226,000 (2,000 gpm Microvi, 3,000 gpm Greensand Plus) (GWJ Proposal) |
| Capital Cost (Revised) (Kennedy/Jenks) | \$3,972,000 – Location B \$4,372,000 – Location A | Not enough room at Location B \$8,247,000 – Location A |

Figure 18 - Potential Locations

ENERGY OPTIMIZATION EFFORTS WILL REDUCE LAS PUMPING COST BY OVER 70%...

| Year | LAS Well Usage (acre-feet) | | LAS Well Electrical (\$) | |
|-----------------------|----------------------------|------------------------------|--------------------------|------------------------------|
| | Actual | Projected Based on Min. Need | Estimated Actual | Projected Based on Min. Need |
| 2011 (Sept. to Dec) | 1.36 | 0.00 | \$122 | \$0 |
| 2012 | 5.93 | 0.00 | \$534 | \$0 |
| 2013 | 881.71 | 0.00 | \$79,248 | \$0 |
| 2014 | 2,422.65 | 264.73 | \$217,748 | \$23,794 |
| 2015 | 3,250.29 | 850.25 | \$292,136 | \$76,420 |
| 2016 | 4,452.57 | 2,390.95 | \$400,197 | \$214,899 |
| 2017 | 2,350.52 | 78.95 | \$211,265 | \$7,096 |
| 2018 (Jan to Apr) | 25.72 | 29.95 | \$2,312 | \$2,692 |
| TOTAL | 13,391 | 3,615 | \$1,203,562 | \$324,901 |
| ANNUAL AVERAGE | 2,011 | 543 | \$180,715 | \$48,784 |

73%

IN CONCLUSION

- UAS water supply is not reliable, until it rains and we divert our full water right...
- Change in operations has controlled nitrates while optimizing energy consumption...
- Building iron and manganese treatment ensures continued operation while allowing time to plan for potential nitrate treatment in the future.

STAFF RECOMMENDATION

- **Phase 1: Iron and Manganese Treatment**
 - Build iron and manganese treatment facilities.
 - Conduct analysis of nitrate treatment technologies.
 - Include provisions in design for future nitrate treatment.
 - Engage Oxnard-Hueneme (O-H) Pipeline users on nitrate treatment.
 - Monitor water supplies and nitrate trends.
- **Phase 2: Nitrate Treatment (Future)**
 - If required, build nitrate treatment facilities (with approval from O-H Pipeline users).

FINANCE & ADMINISTRATIVE DIVISIONS

JUNE 2018 RECAP

FINANCE DIVISION RECAP

- Accounts Payable
 - 363 payables processed with a total amount of \$933,089
- Payroll
 - 65 employees paid.
 - Gross: \$434,276
 - Net: \$294,564
 - Merit awards paid out in June
- Payroll - continued
 - Paid 11 payroll-related vendors a total amount of \$311,777
 - 253 hours of overtime worked
 - 99 paid out at overtime rate
 - 4 paid out at double time rate
 - 150 accrued as comp earned

FINANCE DIVISION RECAP, CONTINUED

- Pipeline Billing: Total \$852,806
 - OH: 1,192.32 AF; \$599,3010
 - PV: 0 AF; \$28,321
 - PTP: 530.88 AF; \$225,175
- Depreciation
 - Estimated at \$208,050 (process to be completed this week)
- Cash Collections: Total \$1,218,376
 - Property Tax: \$2,667 – General Fund
 - Pipeline: \$974,001
 - Groundwater: \$20,767
 - Other \$220,946 – Casitas, River Ridge, So Cal Edison

FINANCE DIVISION RECAP, CONTINUED

- Fillmore and Piru GSA
 - Processed \$131,155 in cash collections
 - Set up FY 18-19 proposed budget in QuickBooks

ADMINISTRATIVE SERVICES DIVISION RECAP

- Groundwater statements for January 1 – June 30, 2018 were mailed out on June 29.
 - Process now takes 1 employee 1 day, versus taking nearly a month due to technology and process upgrades
- Human resources has processed numerous performance reviews in preparation for fiscal year end as well as prepared for two new executive-level management hires: Bob Siemak and Maryam Bral.
- Auditors were in the office for preliminary fieldwork on June 21 and 22.
- Mike Ellis and Tina Rivera attended the Saviers Road Mutual Water Company annual Board meeting and provided updates on water quality, basin conditions, and the Iron & Manganese removal project
- Finance staff addressed the FY 2018-19 Budget changes and input the budget into Incode
- Finance staff completed year-end Other Post-Employment Benefits reporting requirements
- Inter-fund loan agreements were developed for the new headquarters project

5.2 Admin Staff Report

OUTREACH, LEGISLATIVE, TRAINING, AND GRANTS

OUTREACH

GOVERNMENT RELATIONS
LEGISLATIVE EDUCATION
BOARD INTERACTIONS
BOARD NORMS
BOARD OF DIRECTORS SPEAKERS BUREAU
STAFF RELATIONSHIPS – INTERNAL COMMITTEE
EXTERNAL AGENCY RELATIONSHIPS
PUBLIC RELATIONS
E-NEWS
STAKEHOLDER ENGAGEMENT
SOCIAL MEDIA PLAN
MESSAGE ALIGNMENT

“Continually educate our elected officials about the importance of programs and services in order to garner support for District programs and engage key political leaders and stakeholders to support our mission.”

MEETINGS WITH ELECTED OFFICIALS



D.C. Meetings with Elected Officials

Senators Angus King, Debbie Stabenow, John Tester, Amy Klobuchar, Heidi Heitkamp, Ron Wyden, Tom Carper, Joe Donnelly, Mazie Hirono, James Risch
Congressmen Collin Peterson, Rick Larsen, Adam Smith, Ken Calvert
Commissioner Burman of the Department of Interior.

“Highlight the importance of UWCD programs, services and facilities and their impact on the community.”

DISTRICT OVERVIEW &/OR ECONOMIC IMPACT PRESENTATIONS



June 22 – AGM Emmert attended the City of Oxnard's State of the City
June 27 – Hosting and presentation of District operations to Madera County staff
June 27 – Santa Clara River Watershed Coalition

“Establish UWCD as industry leaders in Ventura County.”

OUTREACH OPPORTUNITIES

June e-Newsletter

- Rice Avenue/5th Street Grade Separation
- November Water Bond
- Ventura Water Commission Presentation

41.6%

Open Rate
Double Industry Average



LEGISLATIVE

WATER BOND

\$8.877 BILLION CITIZENS INITIATIVE; NOVEMBER BALLOT

FISH ACT

CONSOLIDATE THE MANAGEMENT AND REGULATION OF THE ENDANGERED SPECIES ACT (ESA) WITHIN THE DEPARTMENT OF INTERIOR'S FISH AND WILDLIFE SERVICE (FWS)

GRANTS

AWARD OF US BUREAU OF RECLAMATION

IRON & MANGANESE TREATMENT PLANT
\$300,000

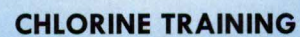
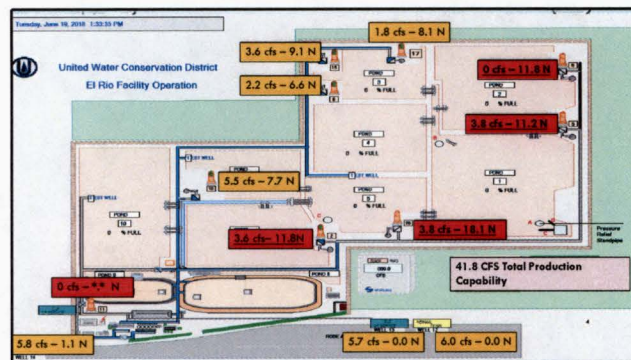
AWAITING:

ZEBRA & QUAGGA MUSSEL INVASIVE SPECIES

RESEARCHING:

FREEMAN DIVERSION PROJECT
DAM REHABILITATION
IRON & MANGANESE TREATMENT PLANT
PROP 1 IRWM GRANT

OXNARD-HUENEME PIPELINE SYSTEM OPERATIONS





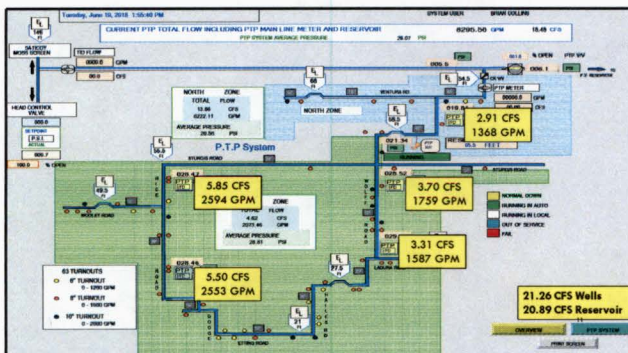
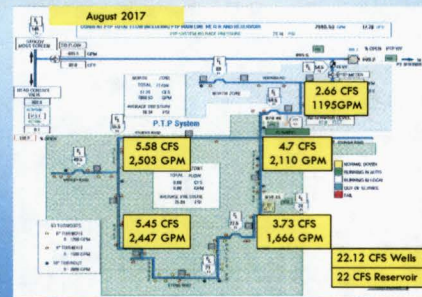
OH Wellfield Emergency Power Options

Covered in Operations Committee meeting

- New emergency generator set - \$860,000 (Engineer's estimate).
- Mutual Aid Memorandum of Understanding (MOU) - Reliant upon others cooperation and equipment availability.
- Solar Behind the Meter (BTM) & battery equipment. Minimal to no capital expenses but ongoing 20+ year operational expense with contractual obligation. Options vary from peak trimming to "Nuclear Winter" - Will entail 3rd party service provider.
- Repair existing 1960s era generator system. \$120,000 - Reliability challenged.
- Stakeholder input will be required.

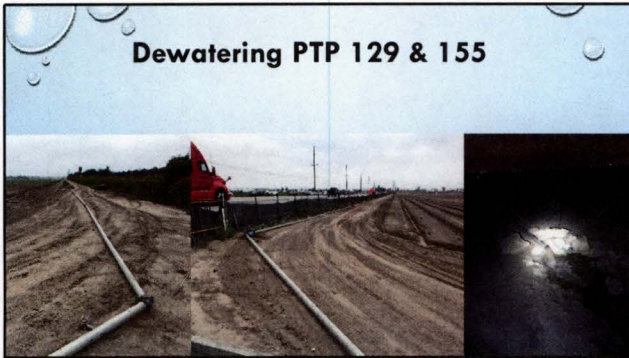
PUMPING TROUGH PIPELINE SYSTEM OPERATIONS

7. PUMPING TROUGH PIPELINE SYSTEM OPERATIONS

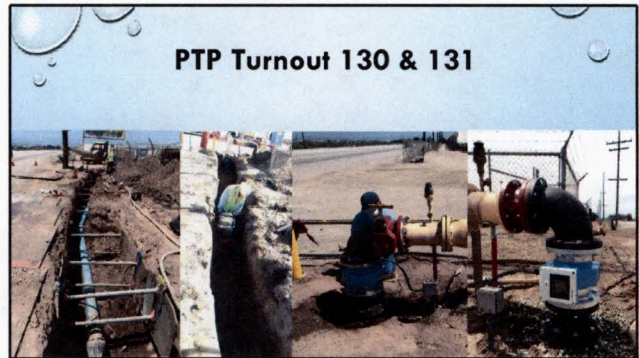


PTP TURNOUT MAINTENANCE

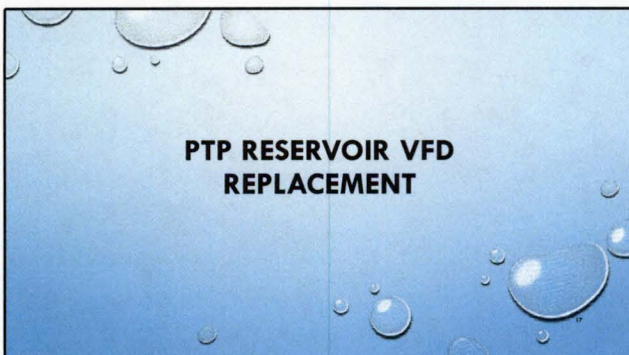
Dewatering PTP 129 & 155



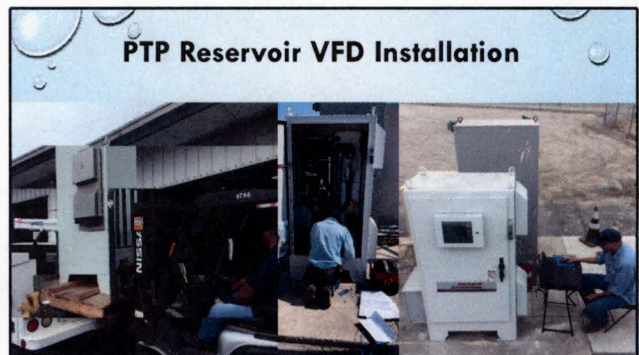
PTP Turnout 130 & 131

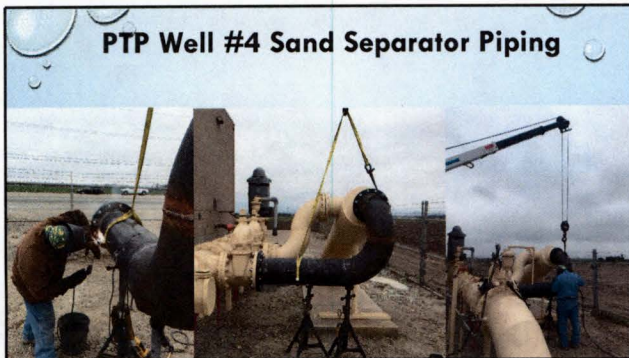


**PTP RESERVOIR VFD
REPLACEMENT**



PTP Reservoir VFD Installation






FY2018-19 WELL REHABILITATIONS

- PTP Well #1 \$123,000 Estimated cost - included in FY18-19 budget.
- OH Well #11 \$83,000 Estimated cost - included in FY18-19 budget. Selected to increase production for OH System.
- Staff working on SCE incentive application package.

Project Details



| Service Account # | Pumping Plant Name | Pump Type | Motor HP | PA Estimates | | | | SR Verified | | | |
|-----------------------------|--------------------|-----------|----------|---------------------------|---------------------------|--------------------|---------------------|--------------------------|--------------------------|-----------------------------|---------------------|
| | | | | Estimated Savings (\$/hr) | Estimated Peak kW Savings | Measure Cost (\$) | Estimated Incentive | Verified Savings (\$/hr) | Verified Peak kW Savings | Installed Measure Cost (\$) | Verified Incentive |
| 1172022 PTP Well #1 | WELL #1 | 750 | 500 | 238.955 | 33.00 | \$75,000 | \$24,000 | 208.587 | 64.04 | \$51,457 | \$24,000.00 |
| 1172023 PTP Well #2 | WELL #2 | 750 | 500 | 197.324 | 21.7 | \$75,000 | \$24,000 | 126.921 | 3.39 | \$105,732 | \$11,500.00 |
| 1172024 PTP Well #3 | WELL #3 | 750 | 500 | 63.825 | 8.00 | \$75,000 | \$24,000 | 32.433 | 13.89 | \$44,437 | \$12,600.00 |
| 1172025 PTP Well #4 | WELL #4 | 750 | 500 | 61.307 | 12.00 | \$75,000 | \$24,000 | 114.416 | 18.36 | \$65,288 | \$12,700.00 |
| 1172026 PTP Well #5 | WELL #5 | 750 | 500 | 61.461 | 12.22 | \$75,000 | \$24,000 | 127.195 | 18.36 | \$65,288 | \$12,600.00 |
| PA Totals | | | | 663.871 | 66.14 | \$360,000 | \$84,000 | 706.761 | 116.36 | \$410,263 | \$77,600.00 |
| | | | | SR Totals | | | | \$0 Submitted | | | |
| 000000 PTP Well #6 | WELL #6 | 750 | 500 | 605.405 | 69.89 | \$750,000 | \$250,000 | 1,708.197 | 113.20 | \$149,701 | \$27,000.00 |
| Implementing Totals | | | | 669.456 | 133.37 | \$1,110,000 | \$358,000 | 2,414.958 | 229.56 | \$560,964 | \$104,600.00 |
| SCE Incentive Totals | | | | 1,029,287 | 133.37 | \$1,110,000 | \$358,000 | 2,414,958 | 229.56 | \$560,964 | \$104,600.00 |

Southern California
REGIONAL ENERGY NETWORK