



# HUMBOLDT BAY MUNICIPAL WATER DISTRICT

## Board of Directors Meeting

August 2020



12kV Project

# MINUTES





HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
828 7<sup>th</sup> Street, Eureka

SECTION 5.1 PAGE NO. 1



Minutes for Special Joint Meeting of HBMWD Board of  
Directors with the Ruth Lake Community Services District  
Board of Directors June 26, 2020

Via Zoom due to COVID-19

Humboldt Bay Municipal Water District (HBMWD) conducted a joint Board Meeting with Ruth Lake CSD to discuss issues or events of mutual interest.

**1. Introductions/Roll Call**

Ruth Lake CSD experienced technical difficulties and joined the Zoom meeting at 9:09 am. President Woo called the meeting at that time. Members of the two Boards and staff as well as guests introduced themselves. See attached sign in list.

**2. Public Comment**

No public comment was received.

**3. Updates from Guests:**

a. Trinity County - 5<sup>th</sup> District Supervisor and Staff

Supervisor John Fenley stated all is well and did not have any updates. CAO Richard Kuhns had some billing questions to discuss with Ruth Lake CSD and stated he would discuss them under Item 5.

b. US Forest Service-

No representative was present.

c. Trinity County Volunteer Fire Department and /or STAR

Mr. Gene Lombardo, Board member of Trinity County Volunteer Fire Department reported the department was able to acquire a Type Three Woodland fire vehicle. This is a good add to the department and they are able to continue to respond to 911 calls.

d. Trinity County Sheriff/OES

No representative was present.

e. Ruth Lake Leaseholders Association

No representative was present.

f. Any other guests

No guests were present.

**4. HBMWD Topics**

4.1 Aquatic Invasive Species:

1. 2019 Annual Report

Mr. Friedenbach reviewed the report from Ruth Lake CSD regarding the number of watercraft inspections last year. Ms. Canale stated this year has been very busy starting Memorial Day weekend. There was a high volume of stickers purchased after the inspections.



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2. Dept. of Boating and Waterways Quagga Prevention Grants

The District has applied for another grant this year but have not heard back regarding the status. Included in the request is \$3,700 for supplies related to the inspection process for Ruth Lake CSD. Director Rupp noted that Ruth Lake CSD charges a fee for the inspection and sticker/banding. He inquired if they were just covering costs or generating income when grant funding is received to cover supply costs. Ms. Canale stated the fees go towards staffing. They are needing more inspectors to keep the process flowing smoothly. Director Rupp thanked Ms. Canale and stated the Prevention Plan is an important program to maintain the integrity of the not only the infrastructure for drinking water but for recreation as well and appreciates the work by Ruth Lake CSD. President Woo echoed the sentiment.
3. Any issues or areas of concern

Ms. Canale stated destruction to the gates and locks at Ruth Lake have increased. She is working on getting them repaired however, due to the pandemic, the repair company does not want to come out. Larger rocks are also deteriorating and being destroyed to allow lake access. Supervisor Fenley inquired if she and her Board have started working towards putting a plan together to deal with the issue and/or worked with Humboldt Bay Municipal Water District. Ms. Canale replied this really all started just last week. HBMWD Ruth Representative Larry Raschein reinforced what Ms. Canale said and noted he has moved large rocks back in place however, they are moved the next day. Director Rupp stated this is the first time he is hearing of deterioration of Ruth Lake CSD capital improvements. He hopes RLCSD has some funds budgeted for capital improvements. Mr. Friedenbach stated he will work with Ruth Lake CSD to come up with some ideas and they will bring them back to their respective Boards.
- 4.2 Law Enforcement on Ruth Lake

Director Rupp stated it sounds like enforcement is an issue based on what was just heard. Ms. Canale stated there is a definite need for enforcement. Mr. Friedenbach stated HBMWD has budgeted \$5,000 to supplement Ruth Lake CSD's enforcement budget. Previously, retired deputies patrolled the lake on weekend. He inquired with Supervisor Fenley and CAO Kuhns if they could reach out to the Trinity County Sheriff and see what options are available. They both agreed to check on options.
- 4.3 Tree Removal Policy

Mr. Friedenbach shared the modified tree removal procedures for leaseholders. The Board approved this in April and it was modified to be more conducive for leaseholders to remove trees on their site with less costs. The normal approval process needs to be followed. Ruth Lake CSD Director Sellman inquired what are the leaseholders supposed to do when the trees



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**Minutes for Special Joint Meeting of HBMWD Board of Directors with the Ruth Lake Community Services District Board of Directors June 26, 2020**

**Via Zoom due to COVID-19**

are down? Especially those with boat access only. Mr. Friedenbach stated it is the responsibility of the lease holder to remove any trees they cut down. Director Latt stated if the tree removal policy is too onerous, it will disincentivize compliance to the policy. Director Rupp stated perhaps they could cut into smaller pieces and split the wood. Mr. Raschein noted only the procedures have changed with the new policy to make it easier for the lease holder to remove trees. What did the lease holders do before? Director Rupp requested ideas from Ruth Lake CSD. None were received.

**4.4 Cannabis Cultivation in the Mad River Watershed**

Mr. Kuhns stated he is working with the Trinity County Sheriff to do some fly-overs to scope out the area. He will try to attend the July meetings to update the boards.

**4.5 California Special Districts Training Opportunities**

President Woo stated she serves on two Boards, including RCEA. Both the Executive Director and Board Secretary of RCEA have learned a great deal through CSDA training. She highly recommends attending GM Summit and Board Secretary training if possible. Mr. Friedenbach concurred. He stated he has attended both the GM Training and the Board Secretary Training. The District sends Ms. Sobol to the Board Secretary Training on a regular basis and the benefits are well worth the investment.

**5. Ruth Lake CSD Topics**

**5.1 Lease Lots: area of concern**

Mr. Kuhns stated he received a call from a Ruth Lake lease holder inquiring about solid waste disposal fees assessed on each parcel. The lease holder has been paying \$100 however, the new bill states the amount is \$70. Ms. Canale stated she spoke with staff at the Trinity County solid waste department and learned that due to a billing software update, multiple bills with varying amounts were sent out. Trinity County staff is aware of the issue and will be sending out corrected bills.

Ms. Canale asked HBMWD if any progress has been made regarding debris removal along the shoreline. Mr. Friedenbach stated staff is still trying to determine a reasonable solution. Director Rupp stated he believed there is a policy in place, the question is about the removal procedure. Mr. Friedenbach confirmed there is a policy. This is an important issue as there is a potential for the debris to go to the spillway which is a dam safety concern.

**ADJOURNMENT**

The meeting adjourned at 10:16 am

Attest:

\_\_\_\_\_  
Sheri Woo, Board President

\_\_\_\_\_  
J. Bruce Rupp, Board Secretary/Treasurer



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1. **ROLL CALL**

President Woo called the meeting to order at 9 am. Directors Fuller, Latt, Lindberg, Rupp and Woo were present. General Manager John Friedenbach, Superintendent Dale Davidsen, Business Manager Chris Harris, Tech Manager Dee Dee Simpson-Glenn and Board Secretary Sherrie Sobol were also present. District Legal Counsel Ryan Plotz and Anne Baptiste, District Engineer Nathan Stevens of GHD, Collette Santsche of LAFCo and Brenda Sutter of Laurel Tree Charter School were present for a portion of the meeting.

2. **FLAG SALUTE**

The flag salute was conducted.

3. **ACCEPT AGENDA**

On motion by Director Latt, seconded by Director Lindberg, the Board voted 5-0 by roll call vote to accept the agenda.

4. **PUBLIC COMMENT**

No public comment was received.

5. **MINUTES**

Minutes of June 11, 2020 Regular Meeting

Director Latt requested clarification to his comment regarding the letter from the Trinidad Rancheria. He would like the minutes to reflect that he stated the letter was not about building a pipeline *today*, but rather a process of inquiry that will take the District a considerable amount of time to consider. The Board concurred with the clarification. On motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 by roll call vote to approve the minutes of June 11, 2020 as amended by Director Latt.

Minutes of the June 26, 2020 Special Joint Meeting with Ruth Lake CSD

There was some confusion regarding the Tree policy and the Board declined to approve the minutes and requested the minutes be brought back in August for possible approval.

6. **CONSENT AGENDA**

Director Rupp requested Item 6.1 be pulled. On motion by Director Fuller, seconded by Director Lindberg, the Board voted 5-0 by roll call vote to approve the Consent Agenda, less Item 6.1.

Director Rupp asked staff to please explain the components of the rate structure. Ms. Harris stated the commodity pass thru is the actual cost of water. As consumption increases, the costs will increase. The base rates are intended to cover the cost of service while the commodity portion is the cost of water only. The Capital Improvement Plan (CIP) costs are related to the age of the infrastructure and maintenance and/or replacement needs. Director Rupp stated he would like to see a rate comparison with other local municipalities for just the water charge. On motion by Director Lindberg, seconded by Director Fuller, the Board voted 5-0 by roll call vote to approve the Consent Item 6.1.

7. **CORRESPONDENCE**

District letter re: LTSAA-sub notification letter

Mr. Friedenbach stated the District has a Long-Term Streambed Alteration Agreement for work in the river. Per the agreement, work in the river must be completed by October 15 and the District must provide sub notification at least fifteen days prior to commencing work. He shared the sub-notification letter and stated that representatives from California Fish and Wildlife (CDFW) were on site yesterday and did not express concerns regarding proposed work.



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8. CONTINUING BUSINESS

8.1 Water Resource Planning

Local Sales, incl. Nordic Aquafarms and Trinidad Rancheria

Mr. Friedenbach stated there is no update on Nordic Aquafarms. In regards to the inquiry request from the Trinidad Rancheria, staff and the local sales committee drafted and sent a response letter that he shared with the Board. No response has been received yet however, a lot of information was requested.

Director Latt noted that Item E on page 2 of the letter states: All costs for the main line extensions are born by the applicant and require a deposit in advance to cover District costs. Director Latt stated he reviewed the bills this month and noted that two items have already been expensed to the vendor GHD. He firmly stated he is not in favor of spending any more ratepayer funds until a deposit is received from the Trinidad Rancheria. Mr. Friedenbach stated at the June Board meeting, the Board directed staff to compile documents previously prepared regarding the water supply to the Trinidad area. The expense referenced is for the time GHD charged the District to compile these records in response to Board direction.

ESS is still working on our grant application. Staff is in the process of soliciting support letters and the grant application will be sent out soon.

The Samoa Peninsula Stakeholder Group now says a report should be available July 10<sup>th</sup>. Staff will distribute the report to the Board when it's received and report out at the August meeting.

Transport

No update.

Instream Flow

The Instream Flow Committee met with CDFW via Zoom. Director Fuller stated they have some new staff who are willing to engage in conversation and seemed positive towards instream flow. President Woo concurred and stated they are educating a new set of people about the process.

8.2 Cannabis affecting Mad River Watershed

Mr. Friedenbach stated last month the Board inquired who was responsible for environmental cleanup from an illegal grow. Ultimately, it is the responsible party who will be billed. Environmental health and other agencies will share in the clean-up and bill the responsible party.

Mr. Friedenbach stated he received an email last night from a citizen concerned about a cannabis grow in Maple Creek. He will respond as appropriate if there are areas of concern to the District relating to the water supply. Director Latt stated he does not want the District to be used as a tool by neighbors who oppose permitted grows. Director Rupp replied and stated he heard staff say they would look into it and respond if the water supply is threatened. Mr. Friedenbach concurred and stated staff goes to the Humboldt County Planning Department to receive factual information on the project.

8.3 LAFCo Municipal Service Review (MSR) and Sphere of Influence presentation

Ms. Collette Santsche of LAFCo provided a presentation on LAFCo services, the Municipal Service Review (MSR) and Sphere of Influence. She discussed LAFCo's mission, why they were created, the composition of the commission and their role as a regulatory agency and resource. She stated the last District MSR was in 2009. The MSR is conducted prior to updating Spheres of Influence and focuses on service delivery. The MSR process consists of data collection, development of agency





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profile, agency review and input, MSR determination followed by Sphere of Influence determination and culminates with a public hearing. Directors asked several questions and thanked her for the response. President Woo noted the public hearing is at the end of the process. She inquired if it was incumbent on the agency being reviewed to involve public engagement. Ms. Santsche said she would be happy to partner with the Board for public engagement prior to the public hearing. She also indicated she would be willing to provide updates on the process at future Board meetings. The Board thanked her for the educational presentation.

8.4 CLOSED SESSION- Conference with Legal Counsel – Anticipated Litigation Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9 (Axel)

Director Lindberg recused himself due to a potential or perceived conflict of interest since he has done work for Axel Properties, LLC. He was sent to the Zoom waiting room. The rest of the Board then entered into closed session. Director Latt reported out in open session and stated there was no reportable action.

8.5 Self Generation Incentive Program (SGIP) -TRF

Last month staff submitted the Essex incentive project with a bank of Tesla batteries to PG&E under the Self-Generation Incentive Program (SGIP). The project was approved but is on the waitlist due to funding availability. After consultation with Tesla, it was determined the TRF could also benefit and see substantial savings with SGIP. The TRF project was submitted to the PG&E SGIP program for possible funding and is also waitlisted.

8.6 Samoa Pacific LLC

Mr. Friedenbach stated the District has concerns regarding fire flow restrictions based on the size of the water meter and supply line to refill the proposed 300,000 gallon water tank which is the intended source for fire suppression. Last February the District sent a letter to the Planning Commission expressing concern about the six-inch service line flowing through a four-inch meter. The District suggested upgrading to a six-inch meter to not have this restriction in water flow for fire suppression purposes. With a six-inch line the tank can be refilled in approximately 1.7 hours. The Planning Commission issued a CUP condition of approval for the Samoa Pacific Group to work with HBMWD on the potential need to upgrade the existing water meter from four to six inches. The new plans now show using a two-inch water supply line instead of a six-inch. Using a two-inch line would take approximately 14.2 hours to fill the 300,000 gallon reservoir. Staff shared concerns with Chief Dale Unea of the Samoa Peninsula Fire District. Chief Unea noted the District's concerns but stated "It is with great apprehension that I approve of this step". Mr. Friedenbach stated that fire suppression is not our purview and we do respect Chief Unea's authority. However, we are still very concerned. Legal Counsel Plotz stated he looked into the liability issue for the District. If there is insufficient water flow for fire suppression, the water supplier is not responsible. Additionally, the District raised the concerns in a letter previously sent which documents our concerns. The District is not undertaking any contractual agreement with regard to fire suppression. This will be made clear again in a letter to Samoa Peninsula CSD. Director Latt suggested the District send another letter to the Humboldt County Planning Commission stating the District disagrees with the pipe size providing water to the tank and why. Director Rupp suggested the District's insurance provider, JPIA be contacted as well. He also suggested staff ask the developer to indemnify the District. He and Director Fuller also agreed it would be a good idea to send a letter to the Planning Commission and get our concerns on record with the County. Mr. Plotz stated the letter to the Planning Commission should be very clear and specific about the concerns. We can only hope the developer agrees to the increased line capacity. Mr. Friedenbach suggested staff discuss concerns with the Samoa Pacific Group and come back to the Board in August with an update.



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8.7 North Coast Railroad Authority (NCRA)

Mr. Friedenbach stated he spoke with the NCRA engineer who requested additional information regarding the conduit that would be placed in the easement. The engineer also stated he was amenable to the project. Mr. Friedenbach will bring updates back to the Board next month.

8.8 Letter from Thomas Law Group to Department of Toxic Substances (DTSC)

President Woo recused herself due to an apparent or perceived conflict of interest since the firm she works for has done some work at the McNamara and Peepe site. She was sent to the Zoom waiting room. Legal Counsel Anne Baptiste and the remaining Board discussed the draft letter to DTSC. Ms. Baptiste stated the letter includes requesting DTSC lower their testing limit to the Public Health Goal, using Frontier Analytical Laboratory which can test to this limit, and no longer use Test America due to their inaccurate test results. She also suggested sending the letter soon, ahead of when DTSC does their sampling. The Directors suggested some wordsmithing changes, including requesting a response from DTSC by August 31, 2020. Director Latt requested Ms. Baptiste prepare a timeline for DTSC. All agreed the letter was well done and suggested it be sent out very soon.

Ms. Jen Kalt of Humboldt Baykeeper provided public comment. She stated Humboldt Baykeeper has been focused on the site for some time now and is supportive of the District's actions. Test results indicate the plume is moving towards the Mad River. She supports the District's efforts to get DTSC to take this matter seriously however, it may be time to go beyond letter writing.

Another commenter inquired if more tests will be done. Mr. Friedenbach stated this letter to DTSC is requesting additional testing on all of the McNamara and Peepe property.

9. NEW BUSINESS

9.1 August Board Meeting consider changing date from August 13 to August 20

Mr. Friedenbach stated he was scheduled to be at a conference on August 13 however, that is now cancelled. Director Fuller stated she will not be able to attend the meeting on August 13 due to a conflict in schedules. After a brief discussion, the Board agreed to keep the meeting on August 13.

9.2 Laurel Tree Charter School Memorandum of Understanding (MOU)

Mr. Friedenbach stated staff received a request and proposed MOU from Laurel Tree Charter School to use the District's Park 1 as an outdoor learning forum for the upcoming school year. Legal Counsel Plotz has reviewed the MOU and made suggested changes. Staff is still awaiting a response from our insurer, ACWA JPIA, but do not anticipate any issues. Ms. Brenda Sutter, the lead teacher at Laurel Tree Charter School was present and stated she was available to answer questions or concerns. She shared there will be one teacher for every 10-15 students. Four teachers will be on the premises with approximately 40-45 students. The students are enrolled in middle school and high school. The Board asked several questions of both Mr. Plotz and Ms. Sutter. After discussion, on motion by Director Latt, seconded by Director Fuller, the Board voted 5-0 by roll call vote to approve the MOU with the suggested wording changes.

9.3 FEMA Emergency Action Plan – Trinity County Face-to-Face meeting

Mr. Friedenbach stated Ms. Samantha Ryan was in charge of the meeting and did an excellent job. She conducted the meeting via Zoom and had a great attendance. The meeting went very well and Ms. Ryan is doing an outstanding job.

9.4 District Conflict of Interest Code

Ms. Harris reviewed the 2020 Local Agency Biennial Notice (Conflict of Interest Code) and stated no changes are needed therefore no amendment is required. On motion by Director Lindberg,

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seconded by Director Fuller, the Board voted 5-0 by roll call voted to approve submittal of the notice with no amendment required.

9.5 Kirkpatrick property: dock request

Mr. Friedenbach stated Roger Kirkpatrick recently purchased a property at Ruth Lake that is not a lease site, but private property. The property has water and mineral rights as well as road easements that grants him rights to access the lake from his newly acquired property. Mr. Kirkpatrick has verbally requested permission to place a dock on Ruth Lake. Staff has not completed the review of files regarding this issue and is not ready to make a recommendation to the Board concerning the request for a dock. It is unknown at this time if there is precedence for this possible action.

Mr. Kirkpatrick addressed the Board and thanked Mr. Friedenbach for his cooperation so far and noted that Mr. Friedenbach and staff have been good to work with. He stated he would like to install a dock on Ruth Lake so his family can enjoy it for years to come. He understands there are dock requirements and he wants to do this properly and in compliance. The Board asked several questions and discussed their concerns. Director Latt stated Mr. Kirkpatrick is seeking entitlement that would add value to his property without payment to the District for the time involved in the process. He requested staff track any time involved in this. Director Rupp stated the public has a right to petition the Board and ask questions without being charged money for the time. He also stated he feels it is premature to approve the dock and more staff and legal work needs to be done. He would like Mr. Kirkpatrick to provide his request in writing. Director Latt replied to Director Rupp and stated there is a difference between entitlement and public comment. He reaffirmed his request for staff time to be tracked regardless of any decision made regarding reimbursement. If legal counsel is needed the applicant should bear the costs. Mr. Kirkpatrick stated he agrees with Director Latt on some of his comments. He also noted that he has provided all documents to Mr. Friedenbach already, as he wants to be upfront and factual. He would like a dock for his family and is willing to pay a fee to the District for having the dock on Ruth Lake. The Board requested the item be on the August agenda for possible approval, that Mr. Kirkpatrick provide his request in writing and that staff work with Mr. Kirkpatrick to move forward. Mr. Kirkpatrick thanked the Board for their time.

10. REPORTS (from Staff)

10.1 Engineering

a) 12kV Switchgear Replacement (\$755,832 District Match)

Mr. Stevens stated payment request three was received and approved in the amount of \$61,750.00.

b) Collector Mainline Redundancy Hazard Mitigation Grant (\$790,570 District Match)

Nothing to report. Still waiting to hear back regarding Phase I funding.

c) Reservoir Structural Retrofit Hazard Mitigation Grant (\$914,250 District Match)

Nothing to report. Still waiting to hear back regarding Phase I funding.

d) TRF Generator Hazard Mitigation Grant (\$460,431 District Match)

Nothing to report. Still waiting to hear back regarding Phase I funding.

e) Appeal of FEMA Funding Denial for Collector 4 Emergency Restoration Work

Mr. Stevens provided a quick recap on the grant request for Collector 4. The District requested FEMA funding to help offset the cost of emergency repair work due to storms. FEMA denied the request and the District filed an appeal. CalOES received the appeal and after reviewing the supporting documents provided, agreed with the District and expressed support for the appeal to FEMA. FEMA has ninety days to respond. The District should know the status of the appeal by



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the middle of September. The Board thanked Mr. Stevens and Friedenbach for their work on the appeal.

- f) Status report re: other engineering work in progress  
Nothing to report.

10.2 **Financial**

- a) Financial Report– approve June 2020 financial statement & vendor detail report

Ms. Harris provided the June financial report. She was happy to report the District has received all the PG&E Bankruptcy Fund money and are 100% whole with the funds. The operations and maintenance budget is at 81% of budget which is excellent. Director Latt reviewed the bills and stated all was in order. On motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 by roll call vote to approve the financial statement and vendor detail report in the amount of \$302,318.02

- b) FY19/20 Project Budget reallocation update

Ms. Harris stated the preliminary project reallocations from last month were \$1,304,276.00. Upon final analysis the revised amount is \$1,284,750.00 with \$19,526.00 being returned to the FY19/20 budget. Director Rupp inquired if this was communicated to the municipal customers. Mr. Friedenbach said it was reaffirmed by the municipal customers last month at the muni meeting. On motion by Director Rupp, seconded by Director Fuller, the Board voted 5-0 by roll call vote to approve the FY19/20 Project Budget reallocation.

- c) FY 2020/2021 Budget Presentation: total proposed budget & revenue estimates

Ms. Harris stated the complete draft of the FY2020/21 budget was presented at the June 11, 2020 Board meeting for review and discussion. Based on feedback, staff is presenting the proposed final budget for FY2020/21 with minimal changes. The Service & Supply budget increased \$6,000.00 due to an anticipated increase in property insurance premiums and is now \$4,643,300.00. There are no changes to the Salary & Wages Budget (\$2,471,600.00) or the Employee Benefits Budget (\$1,749,700.00). Staff recommends the Board approve the FY2020/21 budget as presented. On motion by Director Latt, seconded by Director Rupp, the Board voted 5-0 by roll call vote to approve the FY2020/21 budget.

10.3 **Operations**

Mr. Davidsen provided the June 2020 Operations Report. The Turbidity Reduction Facility shut down for the summer on May 27<sup>th</sup>. Crews are still working on a variety of projects. Five staff members took the HAZWOPER training webinar that is a required annual refresher course. Staff is dealing with the modified staffing arrangements due to COVID 19 as best as possible. It is not an ideal situation but it is the safest situation.

11. **MANAGEMENT**

North Coast Resource Partnership (NCRP)

Mr. Friedenbach stated he resigned from and attended his last TPRC committee meeting for the NCRP. It was worthwhile serving on the Technical Peer Review committee.



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**12. DIRECTOR REPORTS & DISCUSSION**

**12.1 General -comments or reports from Directors**

Director Latt expressed his frustration and outrage that a City of Arcata official would tell an applicant that they did not like dealing with HBMWD and to go as far as to suggest the applicant sue us. Director Latt stated the official has an attitude problem that needs to be addressed and he would like this communicated to the Arcata City Council. President Woo inquired if this was hearsay at this point. Mr. Friedenbach concurred and stated he will have a discussion with the City Manager.

**12.2 ACWA**

Director Rupp stated he attended two meetings. He shared that the investment in CalTrust is doing well. He also stated the audit is completed and it is a clean audit.

**12.3 ACWA – JPIA**

Director Rupp stated he will be attending a virtual meeting on July 27, 2020.

**12.4 Organizations on which HBMWD Serves: RCEA, RREDC**

**RCEA**

President Woo stated it was a very emotional meeting. The board passed a resolution on racial justice. She noted it was not unanimously supported however it did pass. One member chose to abstain. She stated not only was the board emotional but the public as well. Staff suggested the resolution and also an ad-hoc committee to discuss a racial equality action plan. The ad-hoc committee will be on the agenda for approval next month.

**RREDC**

Director Latt stated the guest speaker was Mo Harper Desir from Black Humboldt. They will be having an expo in January 2021 at the Adorni Center highlighting Black-Owned businesses. Also, RREDC funded 33 emergency COVID loans.

**ADJOURNMENT**

The meeting adjourned at 3:45 pm

Attest:

\_\_\_\_\_  
Sheri Woo, President

\_\_\_\_\_  
J. Bruce Rupp, Secretary/Treasurer



**CONSENT**

## Eureka City Council Approves Massive Budget Cuts, Defers Water and Sewer Rate Increases for Residents

STEPHANIE MCGEARY / 07/14/2020 @ 2:49 P.M. LOST COAST OUTPOST

At a special meeting Monday afternoon, the Eureka City Council adopted the city's annual budget proposal, which cuts the city's general fund budget by nearly \$4.6 million and reduces staffing, materials and services in multiple city departments.

The extreme cuts are largely due to a loss in the city's tax revenue as a result of the COVID-19 pandemic. During a budget study session on June 23, Eureka Finance Director Lane Millar explained that the city has seen a 10 percent reduction in its sales and transient occupancy taxes this year, which make up about 75 percent of the city's general fund. This is possibly the largest decline in revenue the city has seen in 20 to 30 years, Millar said.

Public works, community services, police and fire departments will all see significant reductions in the next fiscal year, with the Eureka Police department seeing an over \$900,000 budget cut and losing six staff positions, including four officers.

A resident of Eureka's Third Ward made public comment during the meeting, asking the council to consider allocating less funding to the police department. The resident also criticized the police department for its response to the actions of Officer Drake Goodale, who admitted on film to telling a Native American man, Pete Yellow Bird, to "go back to the reservation."

At the request of the council, EPD Chief Steve Watson addressed some of these concerns, outlining the cuts to the police department budget and reduction to staff during this time. Watson said that the department has seen a 19 percent reduction in full time positions since 2016. Watson also said that Goodale will be retiring from the department within a month, and that he was held accountable for his "choice of words" when addressing Yellow Bird.

"I absolutely do not agree with or tolerate any words that are racially insensitive," Watson said. "It was a poor choice of words in that situation."

Goodale is one of several city employees offered an early retirement incentive, or "golden handshake," to help the city save on salary expenses while avoiding laying off employees. The city plans to freeze these positions at least temporarily.

The budget also calls for the reorganization of some city departments. The development services department will now be managed by Public Works; the Community Access Program for Eureka (CAPE) and UPLIFT Eureka will be moved from the Community Services Department to the City Manager's office; and the city clerk position has been shifted to assistant city manager.

The council voted unanimously (with Councilmember Austin Allison absent) to adopt the proposed budget for 2020/21 and every council member thanked city staff for its tireless efforts in preparing the budget during this difficult time.

Councilmember Natalie Arroyo also mentioned that many Eureka residents have recently reached out to her and the council about the city budget and encouraged those who are not happy with the budget decisions to continue to reach out to the council.

"I want people to not feel afraid to ask us for a personal meeting to address their concerns," Arroyo said, adding that she would be willing to meet with her constituents over the phone, zoom or even on a masked, socially distant walk.

In related business, the council unanimously approved a deferral to the city's scheduled water and sewer rate increases to help minimize financial impacts to Eureka residents during the COVID-19 pandemic.

Following a rates study conducted in 2017, the city developed a five-year implementation schedule for rate increases and Eureka residents have already seen a significant increase in water and sewer rates over the last three years. But with many businesses closing and residents losing jobs or experiencing a reduction in hours, the council felt that the city should wait to execute this years fee increase.

Millar told the *Outpost* on Monday that there is less financial demand on the city's Water and Sewer Fund because it is primarily used for capital improvement projects. By extending the timeline for large projects, the city is able to offer some financial flexibility, Millar said.

The council did not yet decide on a timeline for the rate increase deferral, but will revisit the issue at a later date.

## Arcata water, sewer rates to see big jump over next five years

07/12/2020 Kevin L. Hoover Mad River Union

ARCATA – The City Council last week renewed the coronavirus state of emergency, and in a letter of appreciation, thanked Humboldt County Health Officer Dr. Teresa Frankovich for her leadership.

“You have shown a steadfast commitment to protecting our community members’ lives and health, and your deep respect and knowledge of science has served us all through these challenging times,” said the letter. The letter also acknowledged “healthcare professionals, emergency support staff and first responders in our region.”

### Utility rate increases

The meeting’s most weighty item was the increase in water and wastewater rates for property owners over the next five years. Water rates are to rise beginning in September, and wastewater in January of next year.

Environmental Services Director Mark Andre said 30 valid protest letters had been received regarding the rate hikes, far fewer than the 50 percent plus one of the roughly 6,000 water and wastewater customers that would be required to halt the rate increase.

The rate increases are in support of the \$55 to \$64 million project to upgrade Arcata’s aging Wastewater Treatment Plant (WWTP). The new rates are the result of a consultant’s study, and several subsequent public hearings.

Andre said the average in-city water customer pays about \$28 per month for water, which will jump to \$38 in the first year’s hike. Smaller increases will follow in subsequent years culminating in a roughly \$41 average charge in 2024/2025. Consumers of Arcata water outside city limits will pay more.

Wastewater rates are pushing higher due to capital improvement projects on old infrastructure totaling \$75.2 million, \$64.4 of which are for the WWTP. This includes a conversion to ultraviolet purification from chlorine-based treatment. Maintaining regulatory compliance and avoiding costly fines for illegal discharges is another goal.

The average residential wastewater ratepayer’s monthly charge is presently \$49.62, jumping 10 percent to \$54.99 next year, \$60.49 the following year and ending up at \$77.61 in 2024/2025.

Each year’s increases will be reviewed by the council, and could be modified.

The sewer funding is boosted by \$7 million in recent grants plus “significant” further grants to assist in upgrading the WWTP.

Several letters from the public which were read at the meeting staunchly opposed the rate increases.

Councilmember Brett Watson acknowledged that the increases were “horrible,” but “needed very badly.” The four-member council then unanimously approved the fee increase language, with final approval set for this week’s council **meeting**.

# McK CSD's Greg Orsini stepping down after accomplishment-filled tenure



McKMANAGER McKinleyville Community Services District General Manager Greg Orsini (*McKinleyvillus Orsinica*) in his natural habitat. Submitted photo

**Jack Durham**  
**Mad River Union**

MCKINLEYVILLE – A \$16.5 million upgraded wastewater treatment plant, a McKinleyville teen center, acquisition of an 84-acre ranch and long-term financial planning are just some of the accomplishments of Greg Orsini during his tenure as the general manager of the McKinleyville Community Services District.

But those are just some of the big-ticket items. All over McKinleyville – above ground and underground – are pieces of infrastructure, big and small, that Orsini has overseen or literally installed with his own hands during his 30 years with the district.

Orsini is retiring, with his final day on July 17.



It's been a long journey for Orsini, who started at the lowest possible rung at the government agency in 1990, slowly working his way from utility person 1, step 1, to the district's general manager.

When he started with the district, Orsini spent his days weed whacking, painting, emptying garbage cans and helping install sewer and water lines.

Among the toughest jobs was moving irrigation pipes that were used to dispose of treated wastewater at what was then known as the Lourenco Ranch, at the corner of School and Fischer roads.

"It's physically demanding," Orsini recalled during a recent interview.

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The general manager, who is popular and well-liked by his staff, slowly climbed the ladder at the district.

"I went from step, to step to step," Orsini said. "I did not leap frog any of those steps."

It wasn't until the late 1990s, under Manager Bruce Buel, that Orsini obtained a management position as a maintenance supervisor. This allowed him to oversee a crew, but he was still out in the field operating heavy equipment and climbing into trenches.

Later, Orsini was tapped by the MCSD Board of Directors to be the interim manager after Tom Marking left the district in 2007, and then again in 2012 when Marking's replacement, Norman Shopay, died of a heart attack.

Finally, in early 2013, the board selected Orsini to become the district's general manager.

Having worked all of those positions at the district, from the bottom to the top, might seem like an advantage for a manager, but Orsini said that's not necessarily so.

"It's a benefit and it's a hindrance, both, because it lends itself to micromanaging if you're not careful," Orsini said. "It took me a bit of time to get over that."

On the flip side, Orsini said he has an appreciation for his employees' jobs, because he's done many of them himself.

"I know how bad it sucks to come to [Pierson Park] and empty these garbage cans and find stuff in there that's not just paper plates and beer cans and stuff like that. I've seen it all and had to get it out of there," Orsini said. "I know how dangerous it is to be in a trench, a 24-inch wide trench, where you've got to look straight up to see the sky."

Orsini said his least favorite job was reading water meters back in the day before meters could be read remotely.

"It was too repetitive for me," said Orsini, who added that his dyslexia made it challenging to write the numbers down correctly.

For the most part, working for the MCSD has been a rewarding experience.

"The best part of the job is knowing that it's bigger than what you've done today," Orsini said.

He said there's a satisfaction in putting a pipe in the ground and knowing that you did the job correctly, and it's going to be forgotten about for 30, 40 or 50 years and serve its purpose.

"One of the biggest rewards was just the fulfillment I got being able to serve a community that was so appreciative," he said.

Orsini described the MCSD's culture as a "rarefied air."

"Family, team – I think those are both great descriptions for the relationship between the staff and management," Orsini said.

"You look at what went on in Michigan with the water system and all those things, and knowing that there are people here that care so much that that stuff wouldn't happen over their dead bodies," Orsini said.

Asked about the toughest part of his job, Orsini could have mentioned some horrific sewer repair or an exploding water main, but instead he said it was seeing a staff member struggle.

"I'd say that all the terrible, dirty working in shit up to my waste, or being in a trench, or working like a dog, none of that is nearly as bad as having to witness a staff member who is having difficulties and there's nothing you can do," Orsini said.

Reflecting on his time as general manager, Orsini said there's an unusual aspect to the job.

"It's a rare job to have where you counsel your bosses as much as you take direction from them," said Orsini, referring to the MCSD Board of Directors.

"You have to really be able to navigate that relationship with people," he said. "Everybody should have an opportunity to speak their mind. You should accept input from every single person, within reason... no good idea comes from one mind. Without collaboration something is going to be missed."

Orsini said there are many people who he would like to thank for the experience.

"I would like to thank all the board members, to the original board members all the way to the present board members, for creating a culture to allow me, as a general manager, to do my job. All the managers and staff that came before me made our accomplishments that we've had since I've been the general manager possible," Orsini said.

In retirement, Orsini plans to continue being active in the community. He's a board member with Life Care Humboldt, which hopes to create housing for seniors. He's said he also plans to travel and see family members.

Orsini has been co-managing the MCSD with his replacement, Patrick Kaspari, since June 1. Orsini said that day by day, Kaspari is taking on more duties.

Kaspari was previously an engineer with GHD and worked with both the MCSD and the Humboldt Bay Municipal Water District.

Mad River Union  
8/5/2020

## McK CSD hopefuls emerge

Jack Durham  
MAD RIVER UNION

McKINLEYVILLE – Two candidates have entered the race for three open seats on the McKinleyville Community Services District Board of Directors.



Greg Orsini Scott Binder

Former district manager Greg Orsini and frequent online information poster Scott Binder have both announced their candidacies.

There are two four-year seats, now held by John Corbett and Mary Burke,

and one two-year seat, now held by Shel Barsanti.

Both Corbett and Burke, who hold four-year seats, have announced they are not seeking re-election. Shel Barsanti, who was appointed to fill a seat vacated by the late George Wheeler, holds a two-year seat. She couldn't be reached for comment.

The deadline for signing up to be a candidate would have been Friday, Aug. 7, but with incumbents not seeking re-election, the deadline will be extended to Wednesday, Aug. 12.

The only requirement to be a candidate is that you have to be a registered voter living within the district.

MCS D ❖ PAGE 6

## MCS D | 'Everyone should have a voice'

❖ FROM PAGE 1

Board members are paid \$150 per regular board meeting, which are typically held once a month.

### Familiar on Facebook

Binder is probably best known for posting meeting agendas and other announcements on social media, including the McKinleyville Community Watch page.

"An ongoing goal for me is the continuance of keeping the public informed as to what government is doing on their behalf," Binder said.

He said this was sparked, in part, by the controversy in 2016 over the county's plans to build a social services hub, called The Center at McKinleyville, on Heartwood Drive.

"It became apparent to me that the public at large is unaware and uninformed as to projects such as this. Since then, I've taken it upon myself to inform the public of board agendas, projects, and other details that would affect McKinleyville," Binder said. "I read virtually every board packet and meeting minutes, research details that I need to clarify, and am able to present and answer questions for interested group members."

Binder describes himself as

"semi-retired after 23 years of working in the wholesale food distribution industry but plan on re-entering the workforce when the right opportunity presents itself."

Binder is the vice chair the MCS D's Recreation Advisory Committee and frequently attends both MCS D and McKinleyville Municipal Advisory Committee meetings.

"I've been encouraged to run for the MCS D board in previous election cycles; in this phase of my life I now believe that I can give the position the diligence and attention that it deserves," Binder said.

Binder said he is seeking the two-year seat and was scheduled to officially sign up as a candidate Monday, Aug. 3.

### Former manager

Orsini retired July 17 after working for the district for 30 years. He started at the lowest rung, digging ditches and moving irrigation pipe, and eventually worked his way up to being the manager.

"I want to give back to the community," said Orsini, who is seeking a four-year seat on the board.

Orsini announced his candidacy at the July 29 meeting of the McKinleyville Mu-

nicipal Advisory Committee, which he served on as the MCS D manager.

Orsini is a unique candidate, in that he knows the nuts and bolts of the district, both literally and figuratively.

Orsini would like to lend his expertise to a \$3.4 million sewer pipe upgrade project. He said there are different ways the project can be constructed, with possibilities having district staff do some of the work, and contracting out other parts.

Another project Orsini would like to see come to fruition is the proposed community forest on land now owned by Green Diamond on the east side of town.

"The community forest is one of those projects I'm really looking forward to moving forward with," said Orsini, who was working to secure funding for the project before he retired.

The former manager said another important thing for the board is to make sure everyone gets to provide input.

"Everyone in McKinleyville should have a voice," Orsini said. "The more ideas that are brought to the table for consideration, the better the results will be."

Election Day is Nov. 3.



# the Northcoast Environmental Center

- EcoNews
- August 2020

## Dioxins In and Around Humboldt Bay: Slow but Steady Progress

July 30, 2020

*by Jennifer Kalt, Director: Humboldt Baykeeper*

### The Timber Industry's Legacy

Since 2004, Humboldt Baykeeper has focused on the legacy of wood preservatives used at dozens of lumber mills that once lined the shores of Humboldt Bay, its tributaries and the region's major rivers.

Contaminated soil and groundwater persist at many former mills that used the wood preservative pentachlorophenol ("penta"), which contained dioxins and furans. These extremely toxic, very long-lasting chemicals are known to cause reproductive damage and cancer and are components of Agent Orange.

Accidental spills and carelessness caused soil and water contamination around penta dip tanks, spray booths, and the conical burners used to dispose of treated lumber waste. In many instances, the contamination has never been remediated (cleaned up), and it continues to impact our environment. Humboldt Bay's sediment, fish and shellfish contain varying levels of these toxic compounds. Dioxins become more and more concentrated as they move up the food chain (known as "bioaccumulation"). Fish-eating birds such as eagles and osprey are at risk, along with sea lions and other marine mammals – and of course, people.

In 2006, the State Water Resources Control Board agreed with Humboldt Baykeeper's evidence and formally designated Humboldt Bay as Threatened and Impaired by dioxins. The state scheduled a recovery plan for 2019, but that has since been delayed until 2025.

This Threatened and Impaired designation has enabled us to successfully advocate for dioxin sampling to be required before dredging operations and prior to permitting redevelopment of former industrial sites where ground disturbance has the potential to remobilize contamination and pollute waterways. Remediation has been done in several sites, and more is being planned as a result of our work.



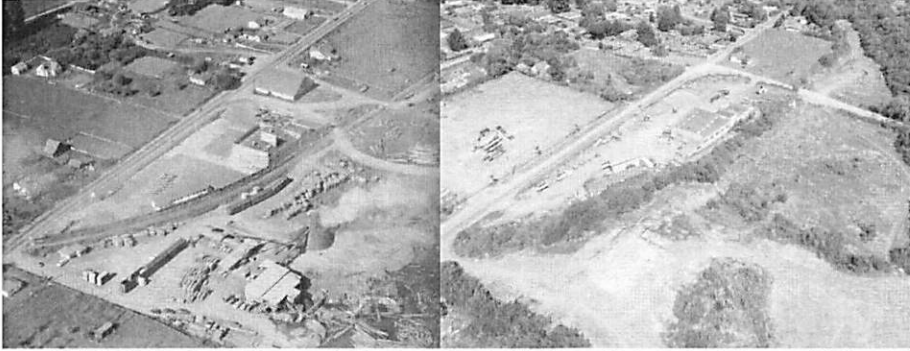


Photo ID# 2001.01.1837, Shuster Collection, Humboldt State University Library, 1954 at left; Humboldt Baykeeper, 2019 at right.

Photo caption: Penta was used for decades at the McNord Lumber Mill at the confluence of Hall Creek and the Mad River in Glendale. A cannabis manufacturing facility was proposed at the site in 2019, but the project appears to be on hold pending soil and groundwater testing for dioxins. Photo credits:

### **Dioxin Cleanups around Humboldt Bay**

Several major dioxin sites have been remediated since 2006, mostly as a result of legal action or U.S. EPA Brownfield grants awarded to local government agencies and Tribes.

The Simpson Plywood Mill in Eureka was the subject of Baykeeper's first lawsuit in 2006, when some of the highest dioxin levels ever documented in North America were discovered in a ditch connected to the bay. The cleanup stopped the discharge into the bay by removing contaminated soil from the ditch, although some contamination undoubtedly remains beneath the site.

The former boat yard on Tuluwat Island was remediated by the Wiyot Tribe, which received a U.S. EPA Environmental Stewardship Award for the project. This cleanup and restoration enabled the Tribe to continue the World Renewal Ceremony that had been interrupted in 1860 by one of several massacres coordinated by white settlers.

The Sierra Pacific Industries Mill in Manila was partially remediated as a result of legal action by Ecological Rights Foundation, Baykeeper's founding organization. The lawsuit put a stop to contaminated discharge into the bay, but contamination remains in Mad River Slough and North Bay sediments and in groundwater beneath the mill site. The lawsuit put a stop to contaminated discharge into the bay, but contamination remains beneath the mill buildings. Contaminated sediment in the Mad River Slough also remains in a fairly wide swath emanating from the mill, both to the north and to the south.

### **Watchdogging Development**

The former McNamara & Peepe Mill (later Blue Lake Forest Products) in Glendale was remediated in the 1990s, but rising groundwater pushed a plume of dioxins toward the Mad River about a mile upstream of intake wells that provide drinking water for two-thirds of Humboldt County. In 2018, the Department of Toxic Substances Control announced it would develop a new cleanup plan, though unfortunately they are well behind schedule with this effort.

Little Lake Industries once operated on what is now part of the Arcata Marsh & Wildlife Sanctuary. The City bought the site in the 1990s and later demolished the mill buildings on South I Street. In 2015, the area around the outlet of Butcher's Slough at the Arcata Marsh was found to have the highest levels of dioxin ever documented in Humboldt Bay sediments to date. The City received a Brownfield grant and is in the process of testing the site to determine the extent of contamination and develop cleanup plans.

At the Balloon Track in Eureka, a former rail yard, an inadequate cleanup and proposed shopping mall ("Marina Center") was stalled by legal action and permit appeals by Baykeeper and EPIC. Dioxins, PCBs, lead, and other contaminants remain at the site and in Clark Slough, a tidal channel that supports juvenile Dungeness crabs. The City recently received a Brownfield grant to conduct testing and work toward a full cleanup of the site.

The former Louisiana Pacific (more recently Evergreen) Pulp Mill in Samoa is the site of Nordic AquaFarms' proposed land-based fish factory. Soil testing has been done, and plans are underway for demolition of structures and debris removal.

Baykeeper staff, volunteers and consultants continue to monitor these sites to ensure that cleanups and development proposals are protective of Humboldt Bay, human health, and the environment. For more info, visit [humboldtbykeeper.org](http://humboldtbykeeper.org).



A CDFW K9 inspection. Ken Davis courtesy photo

## Water agency stops, cleans up mussel-pocked boat

By **Todd R. Hansen** 7-9-2020

WINTERS — A Santa Rosa man went to Chicago to buy a boat.

Well, not literally, but the 25-foot pontoon boat he bought was in Chicago. He then had it transported to California, which meant clearing the state border inspection.

It did, and the boat continued its journey down to Santa Rosa, and eventually was readied to set sail on a recent excursion to Lake Sonoma, located west of Cloverdale in northern Sonoma County.

It was there the boat owner learned he had some stowaways – and the kind of stowaways the Solano County Water Agency spends a considerable amount of funds on annually to keep out of Lake Berryessa.

The exact budget figure was not immediately available.

“We do receive grant funding to help with the funding of (the program),” Sabrina Colias, an associate water resource specialist and mussel program coordinator, said in a phone interview on Wednesday.

Invasive mussels had taken hold on the boat, and if allowed to launch, could have become the start of a serious problem for Lake Sonoma, or any waterway and the water users.

The mussels have been known to destroy pumps and irrigation systems, causing millions of dollars in damage if not held in check. Water quality is also an issue.

Zebra and Quagga mussels have been found in 29 waterways in California, predominantly in the southern part of the state. Millions have been spent in eradication efforts.

Berryessa, Colias said, is completely free of the invasive species, and keeping the waterway clean is why the agency is working to develop a rapid response plan if the lake were to be compromised.

Keeping the mussels from getting into Putah Creek is also a concern.

Colias described the response plan as being in the conceptual stage. She said the agency will look at other reservoirs that have response plans to help develop the Berryessa plan.

Ken Davis, an aquatic biologist and wildlife photographer who helps SCWA inspect the lake for the mussels, thinks this is a good educational opportunity for the boaters who complain about the inspections before being allowed to launch onto Berryessa.

The water agency hires 12 seasonal inspectors to man each boat launch at the lake. It also operates a decontamination center at Steel Canyon – and it was there the much traveled pontoon ended up. Lake Sonoma does not have a decontamination operation.

Davis said the boat went through three decontamination cycles, but a specially trained dog with the state Department of Fish & Wildlife still hit on mussels on the vessel.

Now the boat’s engine will be torn apart in hopes of completing the decontamination task.

Colias said anyone who had walked by the boat may not have noticed the mussels. That likely explains how the boat cleared the border inspection.

Colias was an intern in the mussel program seven years ago, two years before being hired full-time by the water agency, and eventually assigned the mussel program coordinator's job.

The current intern is a Sacramento State environmental studies student, Kyle Johnson. He works under the supervision of Zach Hyer, the program technician.

Additional decontamination work is scheduled for the pontoon boat on Saturday. There is no cost to the boat owner.

"Because of our grant funding, and because it is worth it to us," Colias said of the free service.

# State Water Resources Control Board Adopts Definition of "Microplastics in Drinking Water"

ACWA News

On June 16, the State Water Resources Control Board approved the definition of "microplastics in drinking water," pursuant to Senate Bill 1422 (Portantino, 2018), which required the State Water Board to adopt a definition by July 1 of this year.

The adopted definition is significantly different from what the State Water Board originally proposed in March. The critical difference is the scope of the covered size of the particles. The proposed definition in March would have encompassed a particle size of "at least two dimensions" and "greater than 1 and less than 5,000 micrometers." The adopted language encompasses "... particles which have at least three dimensions that are greater than 1 nm [nanometer] and less than 5,000 micrometers."

The State Water Board expanded the scope of the definition to include "nano" size particles to be more consistent with the definitions used by other agencies and entities such as California's Ocean Protection Council and the National Oceanic and Atmospheric Administration. The State Water Board views the adopted definition as the basis for a long-term approach to better understanding microplastics in drinking water.

Currently there is very little information available about microplastics in drinking water, including what levels are present and whether or not there are any associated human health effects. The World Health Organization stated in 2019 that "although there is insufficient information to draw firm conclusions on the toxicity related to the physical hazard of plastic particles, particularly the nano size particles, no reliable information suggests that there is a concern through drinking water exposure."

SB 1422 also requires the State Water Board to establish the following by July 1, 2021:

- Adopt a standard methodology for testing of microplastics in drinking water;
- Adopt requirements for four years of testing and reporting of microplastics in drinking water, including public disclosure of those results;
- Consider issuing quantitative guidelines (e.g., notification level) to aid consumer interpretations of the testing results, if appropriate;

- Accredited qualified laboratories in California to analyze microplastics in drinking water.

ACWA submitted a comment letter to the State Water Board on April 23 on the proposed definition and continues to coordinate with the Water Quality Committee's Microplastics Working Group to engage on this issue. The comment letter is available at [www.acwa.com/resources](http://www.acwa.com/resources).

In adopting the definition, the State Water Board approved a resolution that future regulatory action in this area would be subject to regulatory procedures. The State Water Board added this provision in the context of what little information is available and the fact that the definition had been broadened so quickly.

State Water Board staff noted that in the near-term there will not be test methods available to cover the full scope of the adopted definition. Staff will explore what methods are available and come back to the board with those methods as part of an iterative process. Board Member Sean Maguire noted that the full project could take many, many years. ♦

## EMPLOYMENT

### General Manager Redway Community Services District

Contact Name: Glenn Gradin

E-mail Address: [redwaycsd@gmail.com](mailto:redwaycsd@gmail.com)

Salary Range: The salary range is from \$72,800.00 to \$104,000.00 depending on experience, with excellent benefits.

Job Description: The Redway Community Services District is located in Humboldt County 207 miles north of San Francisco. Humboldt County features 160 miles of unspoiled coastline, hundreds of thousands of acres of majestic coastal redwood trees, wild rivers, bustling seaports, quaint farming communities and fascinating historical areas. The District provides wastewater collection, wastewater treatment, drinking water treatment

and drinking water distribution services. This includes service to approximately 578 residential connections and 106 commercial connections. The District also maintains more than 30 miles of water and wastewater pipeline, three water storage tanks, five wastewater lift stations and one water pumping station over a 1.25 square-mile area. The District also maintains a surface water treatment facility for drinking water and an activated sludge, extended aeration wastewater treatment facility.

The Board of Directors is seeking a seasoned manager and highly resourceful leader with a strong knowledge of policy, regulatory, and compliance issues within the water and wastewater industry as well as strengths in finance, engineering, public relations and personnel matters. The District has eight staff and a FY

2019-20 Operating Budget of \$1.0 million. Any combination of education and experience that would allow the selected candidate to perform the functions of the position is qualifying. Preferred are five to seven years of broad and extensive work experience in the administration of water and sewer utility systems along with a bachelor's degree in Civil Engineering and registration as a Professional Engineer and/or certifications for Water Distribution/Treatment or Wastewater Collection/Treatment.

Please send your cover letter and resume electronically to:

Redway Community Services District care of Glenn Gradin

[redwaycsd@gmail.com](mailto:redwaycsd@gmail.com)



# State Water Resources Control Board Adopts Expenditure Plan for Safe and Affordable Drinking Water Fund

ACWA News

The State Water Resources Control Board on July 7 unanimously adopted the Fiscal Year (FY) 2020-'21 Fund Expenditure Plan for the Safe and Affordable Drinking Water Fund, which was created by the enactment of SB 200 (Monning, 2019) to support drinking water solutions.

The Fund Expenditure Plan is an annual document that outlines how the Fund's dollars will be spent and, in the future, will include a summary of how funds were spent the previous fiscal year. The Fund, together with the state budget for FY 2019-'20, generally secured \$130 million per year over 11 fiscal years. The funding amount for FY 2020-'21 may be less and will depend on the status of the Greenhouse Gas Reduction Fund. State Water Board staff estimated at the Board meeting that all drinking water funding sources combined will provide \$496 million during FY 2020-'21 for drinking water solutions.

"Adoption of the Safe and Affordable Drinking Water Fund's first Fund Expenditure Plan is a major milestone in the effort for ensuring access to safe drinking water for California communities that currently lack that access," said Cindy Tuck, ACWA Deputy Executive Director for Government Relations.

The Fund Expenditure Plan outlines the following top expenditure priorities:

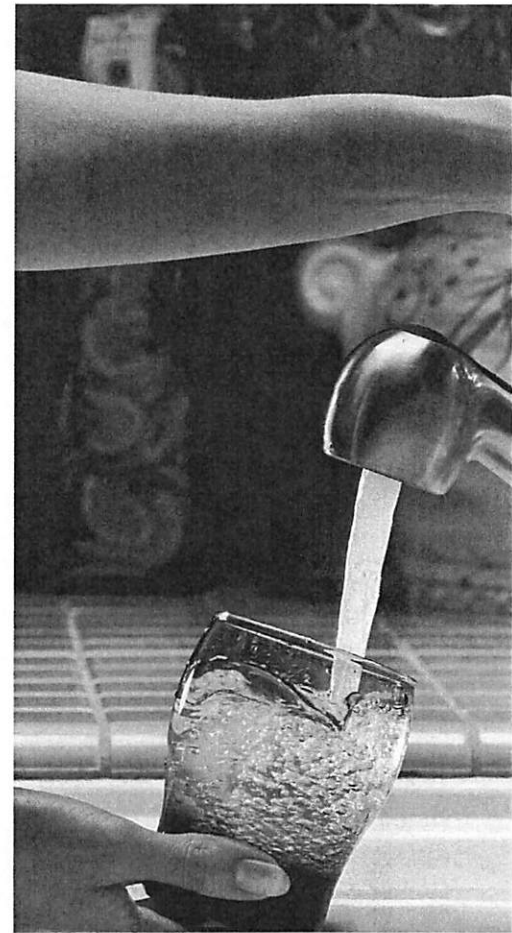
1. Addressing emergency or urgent funding needs, where other emergency funds are not available and a critical water shortage or outage could occur without support from the Fund;

2. Addressing community water systems (CWSs) and school water systems out of compliance with primary drinking water standards, focusing on small Disadvantaged Communities (DACs);
3. Accelerating consolidations for systems out of compliance, at-risk systems, as well as state small water systems (state smalls) and domestic wells, focusing on small DACs;
4. Providing interim solutions, initiating planning efforts for long-term solutions, and funding capital projects for state smalls and domestic wells with source water above a primary maximum contaminant level (MCL).

ACWA has been actively engaged in the State Water Board's efforts to implement SB 200, including submitting joint comments in coordination with the California Municipal Utilities Association (CMUA) on the Draft Expenditure Plan and attending the Safe and Affordable Funding for Equity and Resilience (SAFER) advisory group meetings.

This advisory group, created pursuant to an SB 200 requirement, is comprised of representatives from public water systems, technical assistance providers, local agencies, nongovernmental organizations, residents served by community water systems in disadvantaged communities, state small water systems and domestic wells, and the public.

In addition, ACWA remains engaged in the State Water Board's efforts to develop a statewide needs analysis of water



systems. As ACWA has suggested to the State Water Board, ideally the needs analysis will be solution-oriented, and the SB 200 funding will align in future years with the identified needs.

Safe drinking water for all is an ACWA policy priority. ACWA's advocacy is guided by ACWA's DAC Drinking Water Initiative Task Force and the joint ACWA and CMUA SB 200 Implementation and Needs Assessment Working Group. ♦

***"Adoption of the Safe and Affordable Drinking Water Fund's first Fund Expenditure Plan is a major milestone in the effort for ensuring access to safe drinking water for California communities that currently lack that access."*** – Cindy Tuck, ACWA Deputy Executive Director for Government Relations

PACIFIC  
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## How the Coronavirus Pandemic is Affecting Water Demand

July 6, 2020

### Changes in Water Demand

The COVID-19 pandemic has imposed massive health and economic burdens on communities around the world, and no sector of society is going untouched, including the vitally important water sector. The full extent of impacts of the coronavirus pandemic on the water sector are still emerging, but one area that has come to the fore is the effect on municipal water demand. Available data indicate that residential water demand has increased while non-residential demand has decreased. In Portsmouth, England, for example, residential demand increased by 15 percent during the lockdown, while non-residential demand declined by 17 percent. Likewise, in San Francisco, California, residential demand increased by 10 percent, while non-residential demand declined by 32 percent.

*“Available data indicate that residential water demand has increased while non-residential demand has decreased.”*

These changes are, in part, due to the simple fact that people are doing more at home during the coronavirus pandemic – like cooking, washing dishes, flushing toilets, and showering – and less in the office, at restaurants, and at the gym. Moreover, while business is up for a handful of sectors – like hospitals and some food production – other important water-using sectors of the economy have slowed or shut down entirely.

The net effect of the COVID-19 pandemic on total water demand varies from community to community, depending on the relative proportion of residential and non-residential water uses and the makeup of the non-residential sectors. Most communities – including larger metropolitan systems in Boston (Massachusetts) and Austin (Texas) – have experienced a reduction in total water demand. More residential communities have experienced either modest increases or the smallest decreases.



## A Ripple of Effects

Sudden changes in the levels and patterns of water demand from stay-at-home orders and business shutdowns can have knock-on effects, affecting building water quality, customer water bills, utility revenue, and water and wastewater operational conditions:

**Building Water Quality:** Under normal conditions, the regular flow of disinfected tap water keeps water and plumbing free of corrosion, leached minerals, and bacteria. But when water systems are shut down or inactive for weeks or months, residual disinfectants in water, such as chlorine, can dissipate. Several potential hazards must be considered before reopening buildings or water systems, including the risk of mold, *Legionella* (the cause of Legionnaires' disease), leaching of lead and other metals, and the presence of disinfection by-products. Many building owners are unaware of the risks and the actions they should take, and there are no official national or industry regulations for safely reopening buildings after extended shutdowns.

**Customer Water Bills:** Changes in water use will lead to changes in customer bills. Because water bills typically include a fixed fee that would remain unchanged, the change in the bill is typically considerably less than the change in water usage, i.e., the additional cost of a 10 percent increase in water usage would be much less than 10 percent. But for those already struggling to pay bills or newly unemployed, even a modest increase in household bills can be problematic. Businesses are likely to see costs go down temporarily, but these savings are moderated by fixed fees and could still be problematic for those that are shutdown.

*"For those already struggling to pay bills or newly unemployed, even a modest increase in household bills can be problematic."*

**Utility Revenue:** Utilities where total water use has declined during the coronavirus pandemic will see a drop in revenue. Revenue losses are compounded by higher costs and likely increases in non-payment, putting further pressures on water utilities. For example, a survey of U.S. water utilities during the pandemic indicated that some are offering hazard pay and overtime to essential workers, expanding training, and spending more on certain supplies. Moreover, many states have placed a temporary moratorium on customer disconnections, further affecting revenue. Impacts are likely to be more severe for small utilities, as they have a smaller customer base to absorb revenue losses.

**Water and Wastewater System Operations:** Even with a small change in total water demand, changes within a water system may be more dramatic. For North Carolina's Cape Fear Public Utility Authority, water demand across its service area was down only three percent, but demand in two subsystems serving largely residential areas increased by 25 percent and 36 percent. Moreover, as businesses reopen and implement hygiene and disinfection practices and as temperatures rise, water use may rise dramatically. Such rapid and dramatic changes in water use can exacerbate existing — and reveal new — system weaknesses. Managing these weaknesses may be more difficult as operators adjust to reduced staffing, working remotely, and other

changes related to the COVID-19 pandemic. Here, too, small water systems are more vulnerable because they have fewer operators.

Some of these impacts will be short-lived, generally limited to the period when stay-at-home orders are in place and businesses closed. However, there could be longer-term impacts if, for example, the pandemic remains out of control, unemployment remains high, people continue to work from home, or there are deeper changes to the economy.

*“There could be longer-term impacts if the pandemic remains out of control, unemployment remains high, people continue to work from home, or there are deeper changes to the economy.”*

There is still much we don't know. For example, we don't know the extent or duration of the pandemic, or the range of impacts on different water systems, or the effectiveness of efforts to mitigate these impacts. But we do know that we are facing a more variable and uncertain future – from social disruptions like the COVID-19 pandemic to more extreme droughts and floods due to climate change. Immediate action is needed to ensure the safety of water during building reopening, and sustained effort is needed improve the financial and operational resilience of water utilities to ensure that they can continue to provide critical water and wastewater services.

### **Ensuring Water Safety During Building Reopening**

- **Building operators and managers should take immediate proactive steps** to protect public health by addressing building water quality prior to reopening, and actions taken should be shared with building occupants.
- **Water utilities should proactively reach out to commercial and industrial customers with information about safe reopening procedures.** In North America, the American Water Works Association (AWWA), Canadian Water and Wastewater Association, CDC, U.S. EPA, and other groups offer recommendations for both specific actions and community outreach.
- **Facilities with their own water systems must consider protective actions.** Groups that maintain their own water supply, including some schools, restaurants, churches, and recreational facilities, should contact their primary agencies with specific questions.
- **Local, state, and federal agencies should make special efforts to reach out to groups with limited access to technical expertise and financial resources.** This includes small rural water systems, disadvantaged communities, Native American communities, and other groups with special water supply and quality challenges.

- **Water utilities should expand their efforts to develop more robust and sophisticated “resilience” plans.** Such plans can help water utilities prepare for and mitigate a wider range of risks than traditional planning approaches have addressed, including extreme climatic conditions, health threats like the COVID-19 pandemic, and the failure of key infrastructure.
- **Water utilities and municipalities should accelerate the pace and scale of digital monitoring and operational technologies.** Such technologies can provide advance notice of developing problem and allow the continued safe operation of critical systems even with reduced staffing and shelter-in-place orders.
- **Water utilities should proactively update their pricing and financial policies.** While it may not be feasible to change pricing policies in response to the immediate impacts of the pandemic, changes may be needed to address the longer-term economic impacts and build resilience to future crises. Some strategies that should be evaluated include budget-based or inclining block rates, drought surcharges, and cash reserves.
- **Water utilities should consider purchasing commercial insurance products that provide coverage for business interruptions.** While commercial products may not specifically address all the challenges posed by the pandemic, more general policy terms can be negotiated in case of future disruptions.
- **National governments and international aid agencies should increase financial assistance and accelerate the disbursement of this assistance.** Financial assistance can help ensure much-needed utility infrastructure investments are maintained and stimulate economic recovery. Such funding should be prioritized for small systems and for projects that (1) enhance sustainability and resilience outcomes and (2) serve disadvantaged communities that lack comprehensive access to safe water and sanitation.

Learn more in the Pacific Institute Issue Brief [Water and the COVID-19 Pandemic: Impacts on Municipal Water Demand](#).



<https://paloaltoonline.com/blogs/p/print/2020/07/19/will-two-lined-swimming-pools-connected-by-a-pipe-help-us-get-rid-of-natural-gas>

**By Sherry Listgarten**

## Will "two lined swimming pools connected by a pipe" help us get rid of natural gas?

Uploaded: Jul 19, 2020

A Montana-based clean energy developer described his proposed pumped hydropower facility as "two lined swimming pools connected by a pipe". Could this possibly be the key to reducing our natural gas dependency? California seems to think so.

Earlier this year, California's Public Utilities Commission (CPUC) released planning guidance for utilities. It suggests we add the following resources to our grid in the coming decade (1).

Resource Type	2020	2021	2022	2023	2024	2026	2030
Wind	-	34	1,950	1,950	2,737	2,737	2,837
Wind on New Out-of-State Transmission	-	-	-	-	-	-	606
Utility-Scale Solar	2,000	4,000	6,000	8,000	8,000	8,000	11,017
Battery Storage	152	2,453	2,453	2,453	3,299	6,127	8,873
Pumped (long-duration) Storage	-	-	-	-	-	973	973
Shed Demand Response	-	222	222	222	222	222	222
Natural Gas Capacity Not Retained	-	-	-	-	-	-	(30)

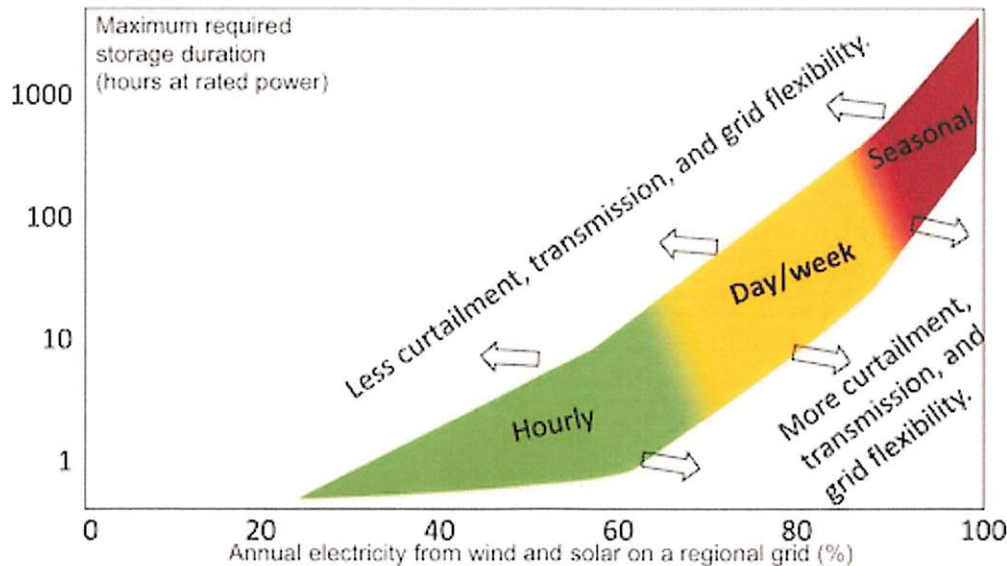
*CPUC's resource buildout guidance, given a 46 million metric ton emissions target (Source: CPUC)*

In addition to a big increase in solar power and battery storage plus a modest increase in wind, we see a first-time need for "long-duration storage". Traditional lithium-ion batteries can provide energy for a few hours, but this type of storage is designed to last for most of a day. In a more aggressive scenario in which we decommission some of our natural gas plants, CPUC suggests even more long-duration storage:

Resource Type	2020	2021	2022	2023	2024	2026	2030
Wind	-	34	2,924	2,924	3,811	3,811	5,279
Wind on New Out-of-State Transmission	-	-	-	-	-	-	3,000
Utility-Scale Solar	2,000	4,000	6,000	8,000	8,000	8,684	11,995
Battery Storage	152	2,453	2,453	2,453	3,107	5,036	9,714
Pumped (long-duration) Storage	-	-	-	-	-	1,605	1,605
Shed Demand Response	-	222	222	222	222	222	222
Natural Gas Capacity Not Retained	-	-	-	-	-	-	(2,046)

CPUC's resource buildout guidance, given a 38 million metric ton emissions target (Source: CPUC)

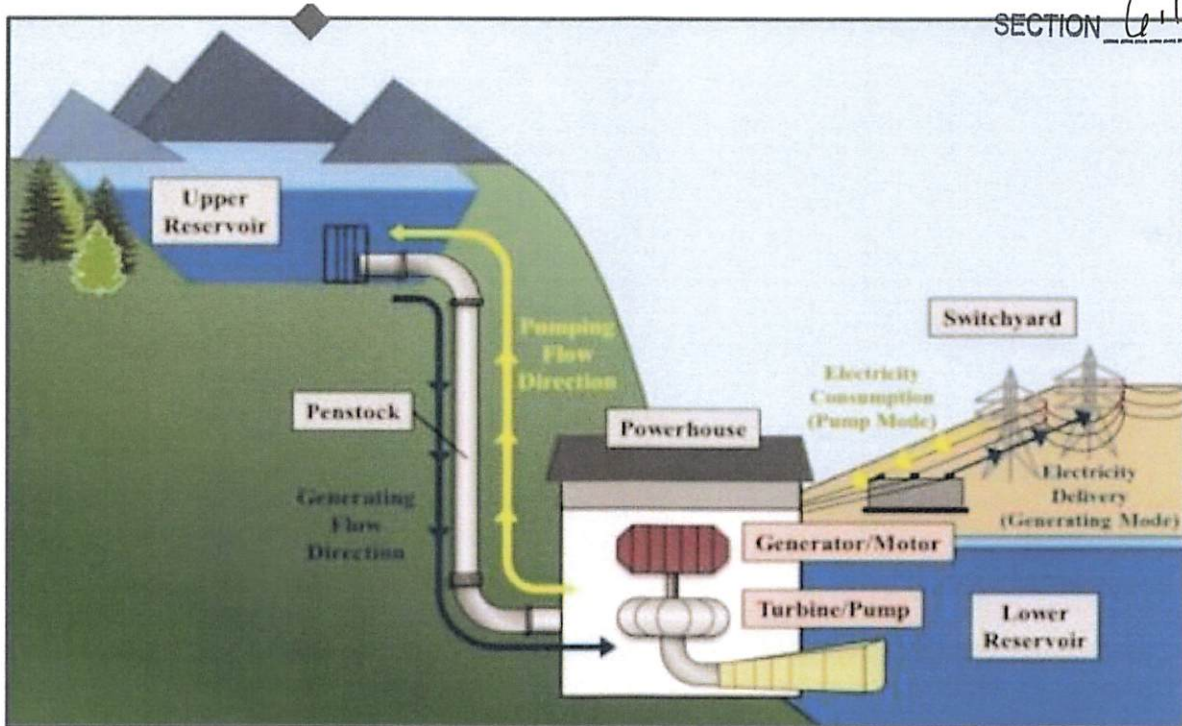
As solar and wind displace gas on our grid, we need to handle extended cloudy or windless periods. The graph below (highlighted in a recent talk by previous Secretary of Energy Steven Chu) shows this general relationship. When a grid has a relatively low penetration of renewables (e.g., less than 40-50%), short-duration storage like batteries suffices to cover gaps in renewable energy. For grids up to about 80% penetration, storage for up to a day's worth of energy is needed. That is where solutions like pumped hydropower come in. (2)



Once a grid is more than 50% or so solar and wind, longer duration storage is needed (Source: Joule)

Pumped storage hydropower (PSH) is a pretty simple technology. When renewable energy is plentiful, water is pumped uphill from a lower reservoir to an upper reservoir. When renewable energy is scarce, water flows downhill, spins a turbine, and generates electricity. The effect is not to create energy. In fact, these facilities are net consumers of energy. But by making renewable energy available when it is most needed, PSH helps renewables better match demand, reducing the need for gas on the grid.

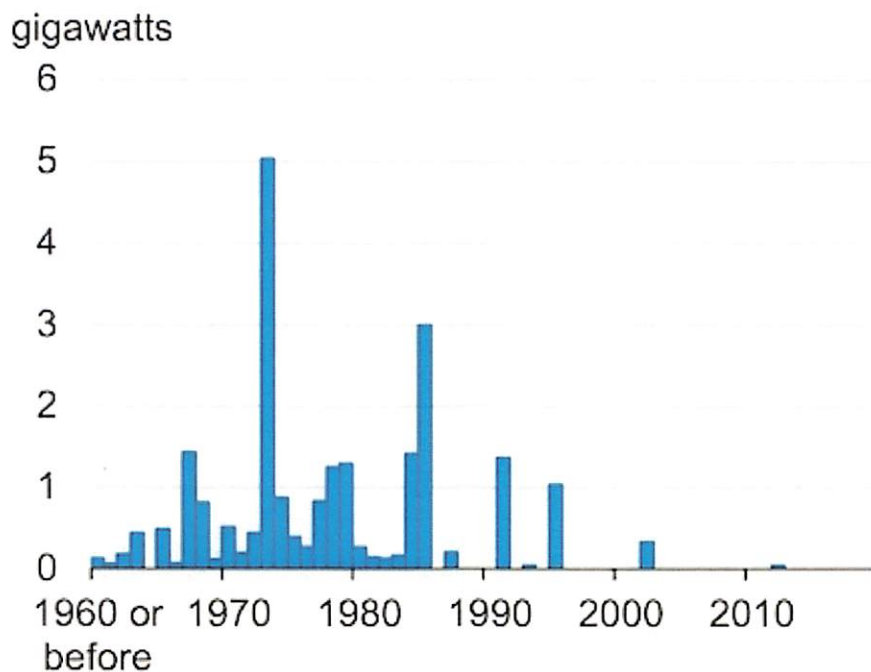




This diagram shows the basic components of a pumped storage hydropower facility (Source: US Dept of Energy). (3)

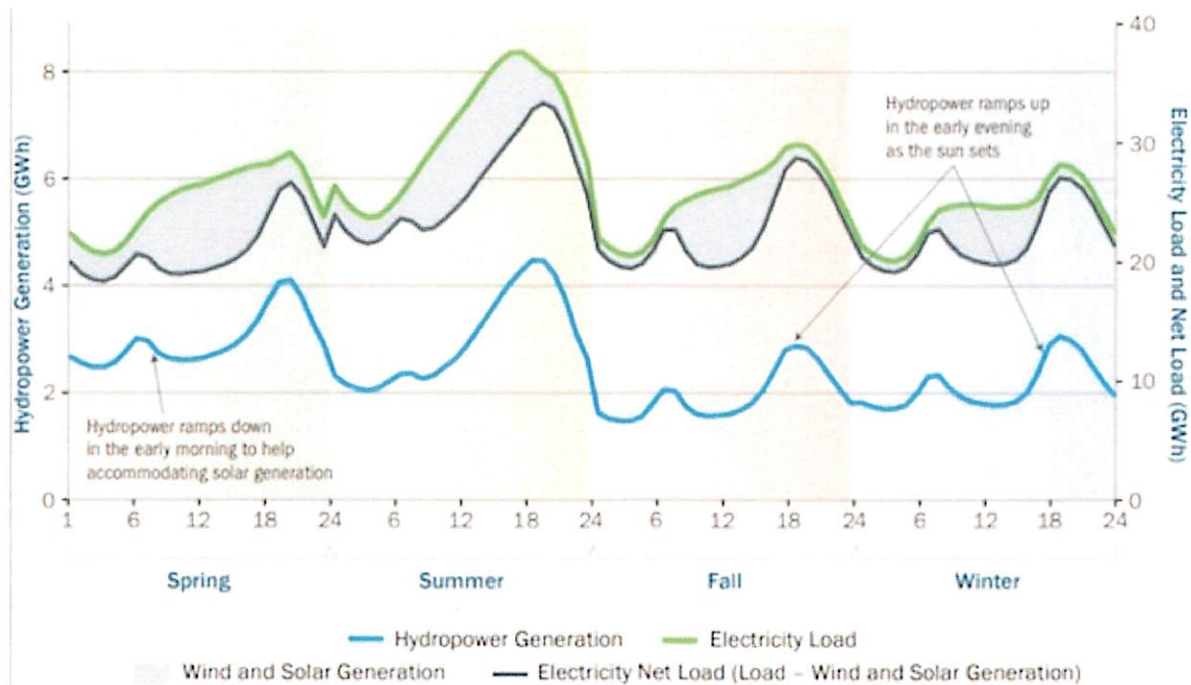
The greater the height difference between the two reservoirs, and the larger the pipes (aka penstocks), the more power can be produced. The bigger the reservoirs, the more energy can be produced (the longer the power can last). These facilities can be pretty flexible. Newer ones can switch between generating a small amount of power for a long period or a larger amount for a shorter period. And most can switch between pumping and generating energy in minutes, reacting quickly to changes in demand. Moreover, they are pretty efficient, generating about 80% of the energy that they take in. (4)

This isn't new. Pumped hydropower has been around since the late 1800s, but it took off in the United States in the 1960s and 1970s with the development of large, inflexible coal and nuclear power supplies.



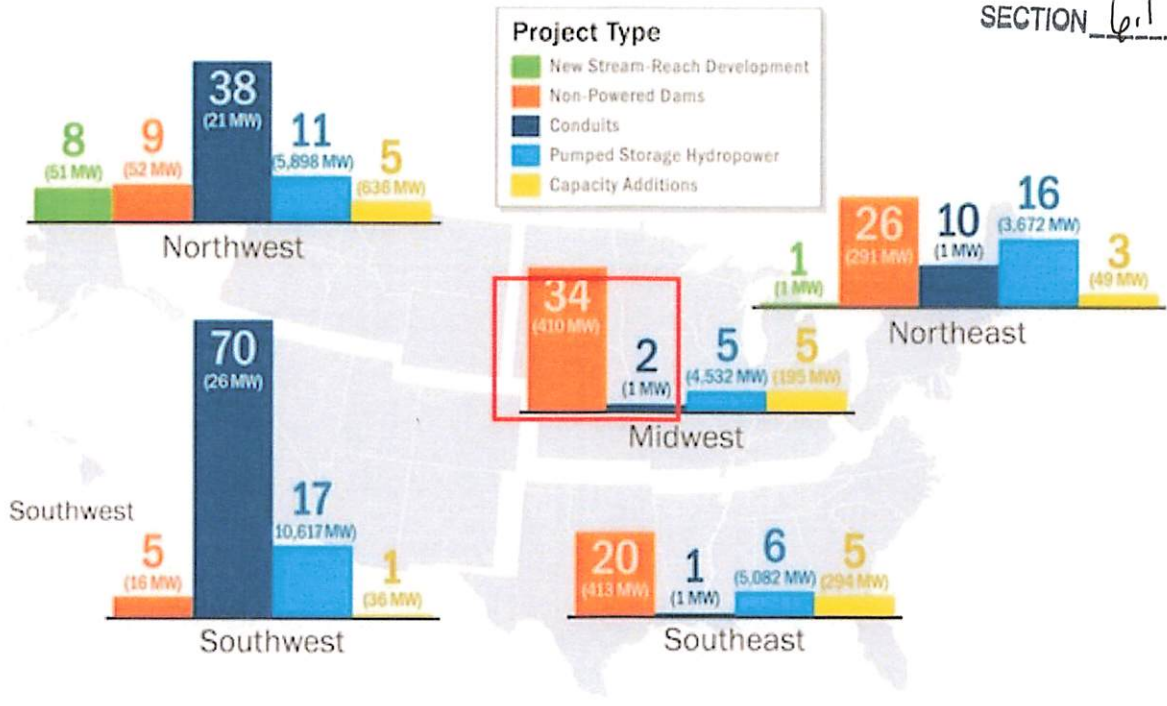
*Pumped storage hydropower capacity by initial operating year (Source: EIA)*

The flexible hydropower resource was ramped up and down to better meet the demand curve. Today it serves a similar purpose, helping to fill in gaps when our inflexible renewables fall short. You can see how that works in the chart below. This type of flexible hydropower makes up around one-third of Palo Alto's power supply.



*Pumped hydropower on California's grid ramps up to meet early morning and evening demand, when solar is insufficient (Source: US Dept of Energy)*

Today over 95% of electricity storage in the US is in the form of pumped hydropower, but there's just not that much of it. The 40-odd facilities we have cover only 2% (22GW) of our total power capacity (1 TW). (5) It's not for lack of trying. The Department of Energy reports that 55 new PSH projects were in the development pipeline at the end of 2018, totalling about 30 GW. (6)



Hydropower projects in the pipeline in the US at the end of 2018, with pumped storage in light blue (Source: US Dept of Energy)

But some of these applications have been lingering. In fact, as you can see in the bar chart above, only one PSH system has been built since 2010. The problem is that big projects in remote areas have long permitting times and large upfront costs. Permitting complications include impacts on free-flowing rivers, harm to fish and wildlife, flooding of scenic areas, additional transmission requirements, and use of increasingly scarce water resources. And although PSH is cheaper than batteries for these long durations (7), the capital costs can be several billion dollars for a large facility. How can we mitigate these problems?

It can simplify things if you are adding a pump to an existing hydropower dam, as is being proposed for the Hoover and Glen Canyon Dams. But even so you need to identify and connect to an upper reservoir. Most developers now are proposing "closed loop" facilities that recycle water between the two reservoirs rather than taking in fresh water from a river. This can reduce environmental impact. You can further reduce costs and impact by developing the reservoirs in existing features like old mines.

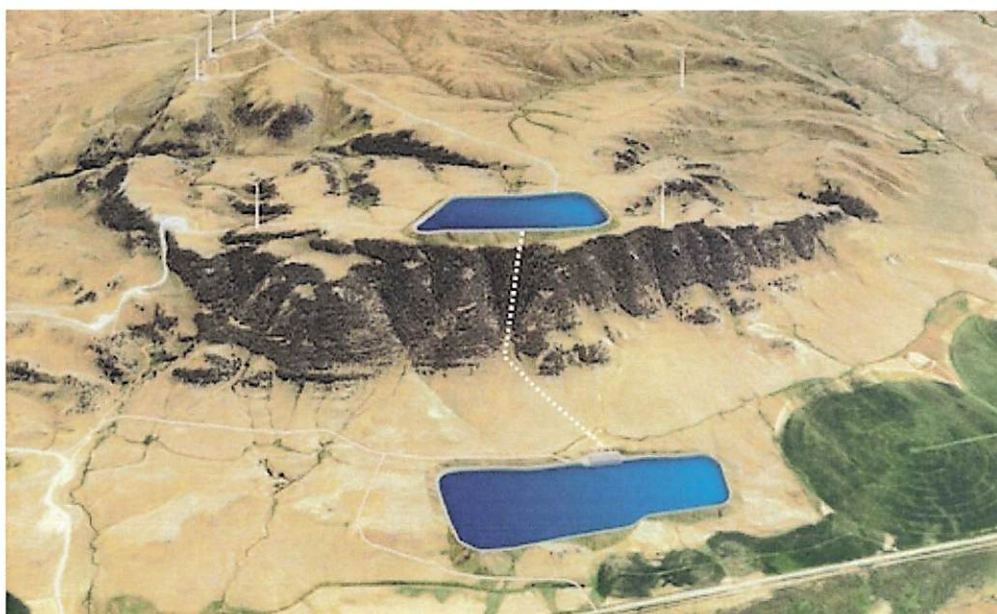




*An open pit mine that is one of Eagle Mountain's two reservoir sites (Source: GEI Consultants)*

The proposed 1.3 GW Eagle Mountain project near Joshua Tree National Park in Southern California is proposing closed-loop PSH with each reservoir located in an open pit mine. This has helped with permitting (they have a license to construct), as has its proximity to a major transmission line. But concerns remain about the use of an underground aquifer to fill and replenish the reservoirs, and they are still working on financials.

Another relatively promising project is the 400 MW Gordon Butte project in Montana. It is also a closed-loop facility on private land located near transmission, though it requires construction of two reservoirs.



*Proposed Gordon Butte reservoir in Montana (Source: Absaroka Energy)*

Goldendale in southern Washington is yet another closed-loop proposal on private land, with two man-made reservoirs near ample transmission. The site is an old aluminum smelter, so the proposal includes cleanup of



the site as well. It would use water from the Columbia River for the initial fill and replenishment. With an impressive 2400 vertical feet between reservoirs, they are aiming for 1.2 GW of power and hope to be operational by 2028.



*Depiction of the Goldendale project (Source: Rye Development)*

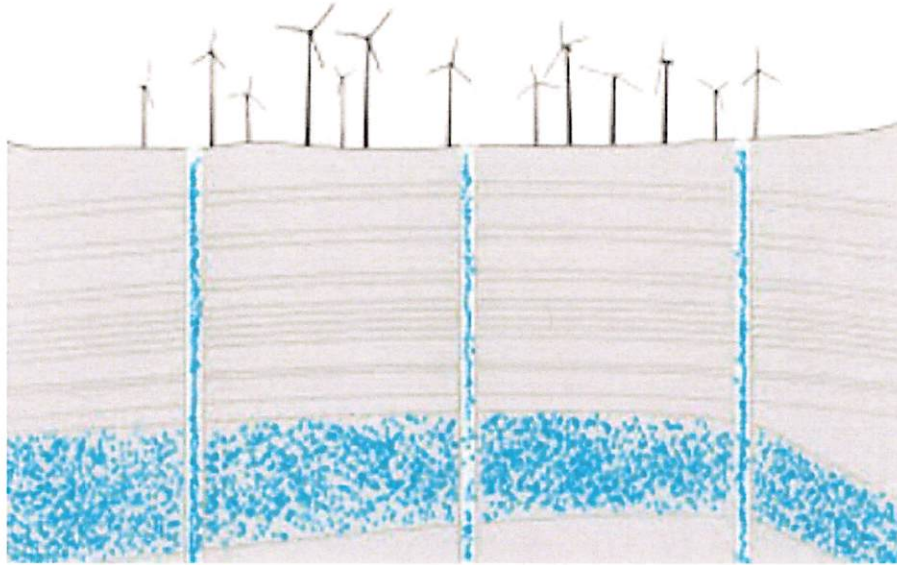
A different approach is to use the ocean. Below you can see a small closed-loop system on an island, using the ocean as the lower reservoir.



*Pumped storage hydropower in the Canary Islands (Source: Idom)*

But some projects are more difficult. A plan to build pumped storage at Lake Elsinore in southern California has been on the books since 1997. The lake would serve as the lower reservoir and an upper one would be built nearby. This is a recreational lake in the middle of a small town, with residents concerned about impacts on recreation use and water quality. Furthermore, a new 32-mile transmission line is needed that will route through local forest, and residents are concerned about fire. Lake Elsinore residents and lake users continue to organize in opposition.

Even the best large, custom designs are expensive and slow, so the US Dept of Energy has looked into small modular systems. But it's not clear that the reduction in overhead would be enough to offset the much smaller size of the projects. Other developers are looking at using tunneling machines to expedite construction and reduce costs. Quidnet Energy is looking to drill into underground rock layers for the lower



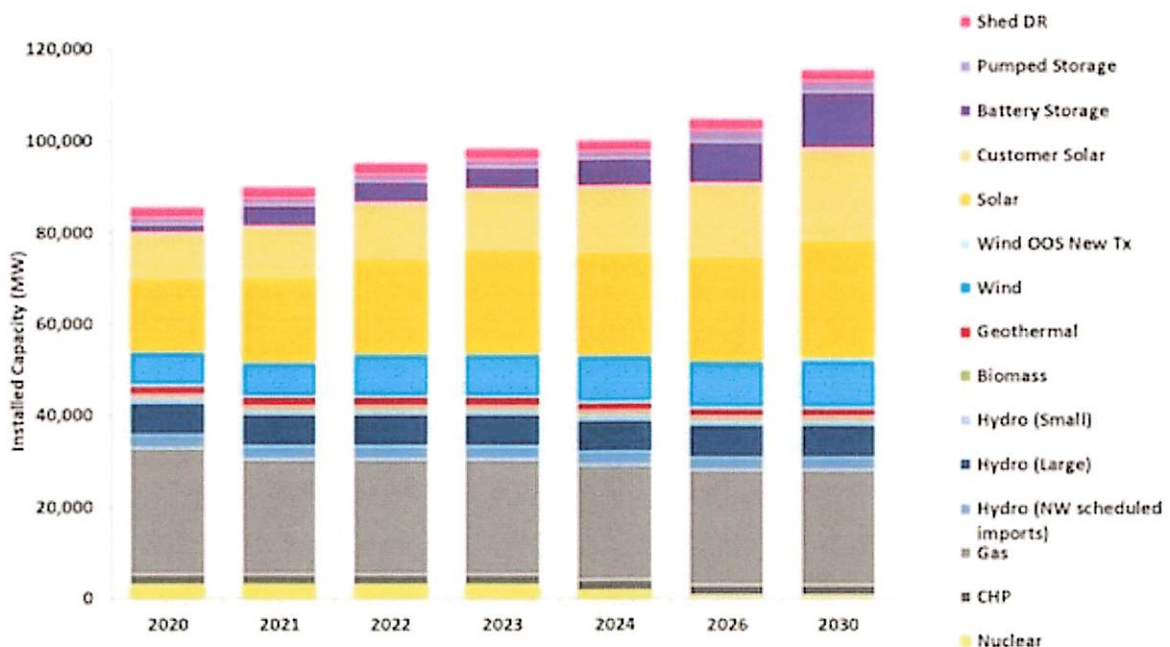
Standard parts and oil and gas expertise can be used to create an underground reservoir (Source: Oil and Gas)

These ideas can save time and cost. Leasing is another possibility to help with large upfront costs that may otherwise deter buyers. The CPUC’s new signal confirms a market, which can reassure buyers. Will one of these projects get over the finish line by 2026? Or will a cheaper or lower-impact option take hold, like compressed air or flow batteries? It will be interesting to see what innovators come up with and whether our government is able to streamline the path from invention to deployment as we accelerate our efforts to clean up our power grid.

**Notes and References**

0. The City of Palo Alto Utilities has recently started a sustainability e-newsletter for kids. You can find the first two issues with fun educational activities to help your kids learn about environmental sustainability here.

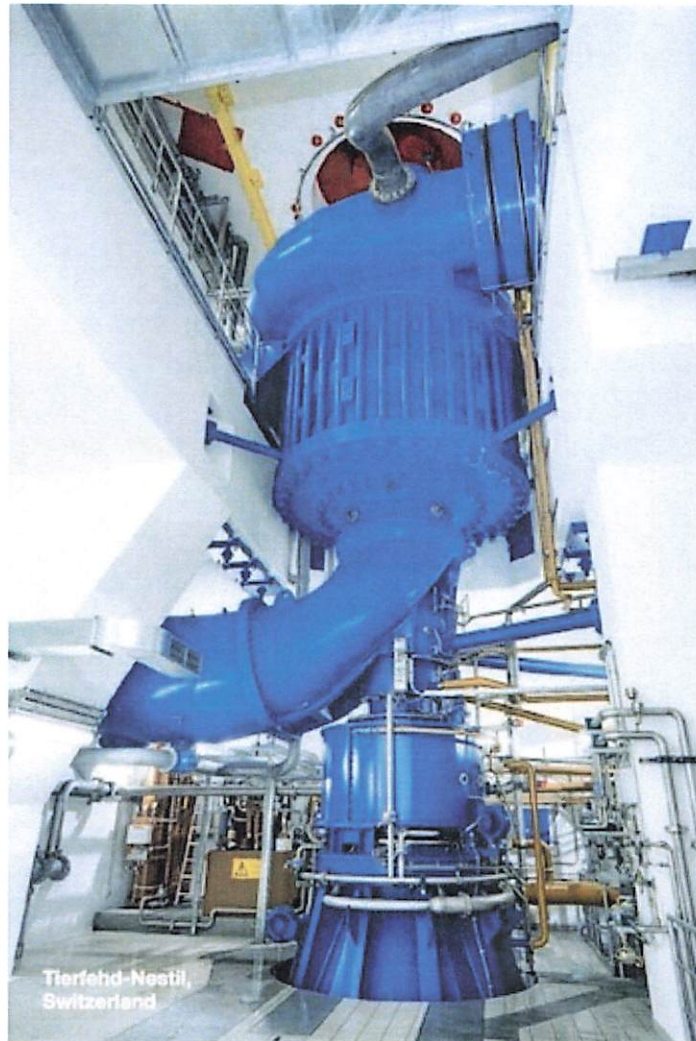
1. The chart below shows how CPUC’s guidance evolves today’s energy mix over the coming decade.



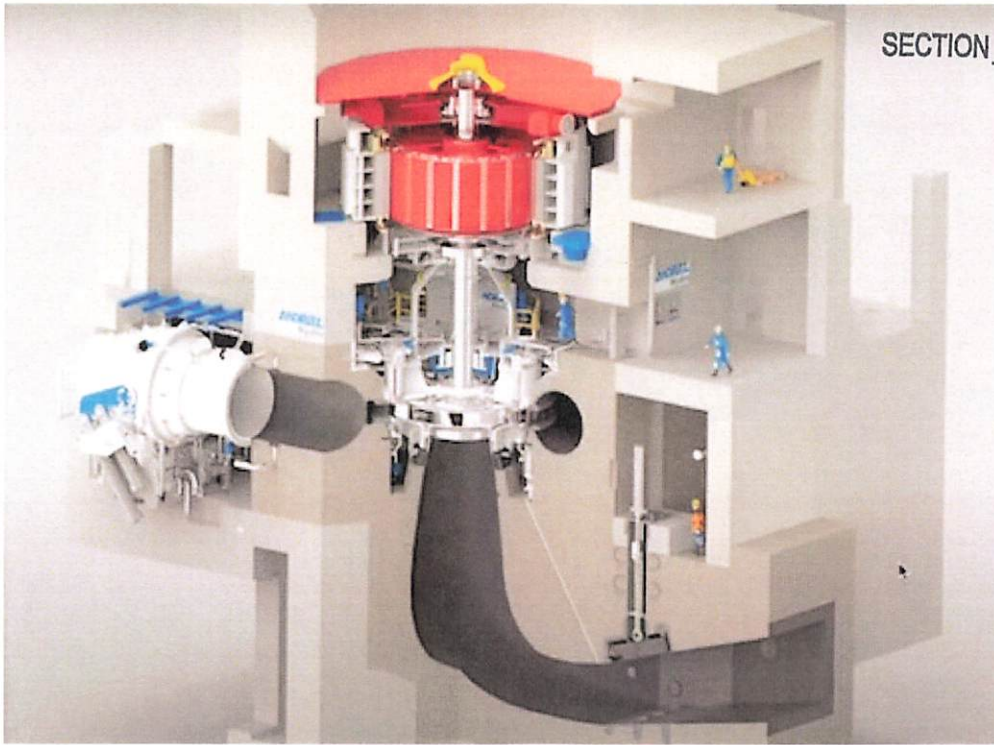


2. With 80% or more renewables, we need to handle multi-day or even multi-week periods without sun or wind, which might involve hydrogen or something new. But what's reassuring is that we can have a lot of renewables on the grid without zero-emission seasonal storage.

3. Here is a photo of a pumped storage mechanism from hydropower developer Andritz. The reversible pump-turbine is on the bottom and the motor-generator is on top.



Here is diagram of a recent PSH installation in China, also from hydropower developer Andritz.



4. Plants with larger vertical drops (called "heads") are more efficient, and may be as high as 85%.
5. This data is from 2017. For comparison, by the end of 2018, we had less than 1GW of battery storage.
6. The LA Times reports FERC applications for 51 GW of pumped storage hydropower.
7. Section 4.3.8 of this lengthy report on storage cost and performance for the US Dept of Energy has a lot of information about the costs associated with PSH and technical innovations.
8. The Global Energy Storage Database inventories energy storage facilities around the world.
9. A team in Australia has identified potential sites for pumped storage hydropower. It's fun to play around with. They have suggestions for flooding various portions of Wunderlich County Park, Portola Valley, and Pescadero, to name a few....
10. Stanford's Global Energy Forum hosted a conversation with Steven Chu, Nobel Prize-winning Professor of Physics at Stanford and the twelfth Secretary of Energy. It is jam-packed with information about long-duration storage technology and government programs to encourage it. Chu is also pretty funny -- worth watching!

### **Current Climate Data (June 2020)**

Global impacts, US impacts, CO2 metric, Climate dashboard (updated annually)

The first half of 2020 was the second warmest in the 141-year record, with combined land and ocean surface temperatures at 1.93F above average.





TIM QUINN: FORTY YEARS OF CALIFORNIA WATER POLICY: WHAT WORKED,  
WHAT DIDN'T, AND LESSONS FOR THE FUTURE

Maven July 16, 2020

Tim Quinn spent more than ten years as the executive director of the Association of California Water Agencies and more than twenty years as the Deputy General Manager of the Metropolitan Water District of Southern California. Over the course of that career, he was at the center of every major water management issue facing the state of California, including the state's use of Colorado River water, management of the Bay-Delta, and sustainable groundwater management. After retiring from ACWA, [Mr. Quinn became a Landreth Visiting Fellow at Stanford University](#), where he has recently written a white paper titled, [Forty Years of California Water Policy](#). At a webinar in June hosted by the Southern California Water Coalition, Mr. Quinn discussed the importance of collaboration in solving some of California's more vexing water policy problems.

Mr. Quinn began with a spoiler alert. *"Much of what I'm about to talk about comes from boots on the ground experience over a 40-year career in California water, so this presentation is to a significant degree, autobiographical,"* he said. *"I would date the beginning of my water career to 1978, 42 years ago. I had just come back from serving on the White House staff in Washington DC and decided to write my Ph.D. dissertation in economics at UCLA on groundwater management. At the same time, I was working at the RAND Corporation, rubbing elbows with some truly extraordinary water economists at Rand."*

*"In 1985, my phone rang and it was the Metropolitan Water District and so I started a 22-year stint at MWD,"* he continued. *"In 2007, I went to the Association of California Water Agencies as its Executive Director where, like my years at Metropolitan, I had some really great opportunities to influence California water policy and changes therein. When I retired at the end of 2018, I was notified by Stanford that they wanted me to be a fellow there, which gave me this great opportunity to be reflective about what my 40-year career meant. At Stanford, I combined that experience with things I was learning from my colleagues at Stanford and from students at Stanford, especially political scientists that I got to know all around the country."*

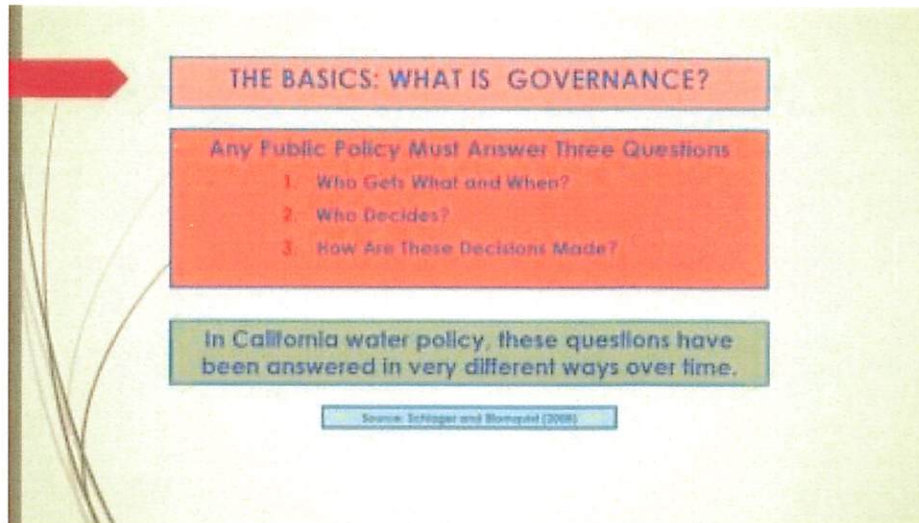
What his experience at Stanford has taught him is governance is the most important decision we make in advancing new policies or projects, especially when they are complicated or controversial, but we don't think about governance as much as we should, he said.

*"Another valuable general lesson from that 40-year career is that collaboration works and conflict doesn't. I learned this by reaching across silo boundaries hundreds of times during my career,"* Mr. Quinn said, pointing out the picture of Carl Boronkay, former general manager of Metropolitan Water District, on the slide. *"Carl wanted a coalition builder, and one of the first things was that I helped Carl build a north-south urban coalition which had never existed before and which changed the pattern of California water, I believe."*

*"So far, I hit you with two bold assertions: The first one is that governance is really important, maybe the most important decision you make when you're trying to do something big and controversial, and the second one is that collaboration is the best form of governance. I'm going to spend the rest of this presentation convincing you that those aren't mere assertions but are in fact very logical conclusions."*



## WHAT IS GOVERNANCE?



The definition of governance comes from a book titled, [Embracing Watershed Politics](#), written by Edella Schlager and William Blomquist, said Mr. Quinn. In the book, Schlager and Bloomquist argue that any public policy has to answer three basic questions: Who gets what and when? Who decides? And how are these decisions made?

*“Governance is the umbrella over how those three questions are approached in any particular public policy arena, and in California water policy, we have answered those important basic questions in very different ways over time,”* he said.

### Three decision making eras

Schlager and Bloomquist also suggest that there are three eras of decision making for natural resources and watersheds, which Mr. Quinn noted was something that fits California water exceptionally well.

**The first era is the development era** which began in the early 20<sup>th</sup> century with LA DWP and the [Los Angeles Aqueduct](#), and ran through roughly until the early to mid-1980s. *“The development era focuses almost entirely on economic growth and the infrastructure that is necessary for a growing economy,”* he said. *“The environment doesn’t count for much in the development era, so the negative environmental consequences were substantial and widespread.”*

**The second era is the regulatory era** which sought to remedy the environmental consequences of the development era and to make sure that future economic development was more environmentally sound. *“The regulatory era started in California water in started in the early 1970s and I would argue that it still lingers today,”* he said.

**The third era is the collaborative era.** *“I think is a logical evolution of the first two eras of decision making. In the collaboration era, we’ve been experimenting with collaboration since the 1980s, and certainly over my entire career, I would strongly argue we have not entered a truly collaborative era of decision making just yet.”*

He also noted that the eras don’t line up sequentially, and at any point in time, you might see decision making from each of these eras in California water. *“I think that will be less true when we get into a full collaborative era, but today, we’re still trying to decide if we want to get there or not.”*

### Three types of decision making processes

Just as there are three eras of decision making, there are three types of decision-making processes, he said, noting that this is drawn from a 2007 paper written by two UC Berkeley political scientists, Chris Ansell and Allison Gash, titled [Collaborative Governance in Theory and Practice](#).

**The first form of decision making is managerialism**, which is defined as public agencies going through relatively closed processes and unilaterally making decisions based on what their in-house agency experts think. The public may be involved in a managerial decision-making process, but they are only commenters; they are not decision-makers in any way, shape, or form.

**The second form of decision making is adversarialism.** This is where adversaries face off with each other and go to battle in a 'winner take all' process. This most often is a courtroom, but adversarial clashes can happen in legislative arenas or in regulatory arenas as well.

**The third type of decision making is collaboration**, which involves public agencies and stakeholders shaping policy jointly through an open and transparent process; stakeholders are an integral part of the collaborative process, they are not merely commenters.

Mr. Quinn then presented a slide that showed how the three eras and three decision-making processes match up with each other. In the development era, the policy goals are almost purely economic and the decision-making process was very centralized and managerial.

*"Think about Mulholland, O'Shaughnessy, Harvey Banks, and a lot of icons that built our infrastructure back in the 20<sup>th</sup> century," he said. "Those projects faced fierce opposition in some cases, but the governmental decision-making process did not allow the critics to influence policy."*

During the regulatory era, the policy objectives shifted from economic development to environmental protection and restoration where possible. *"What I found really interesting when I got to thinking about this at Stanford is that the decision-making process did not change. In the regulatory era just as in the development era, the decision-making process was highly centralized, managerial, and oftentimes adversarial. The only difference was that it wasn't driven by water agencies but by regulatory agencies."*

*"In the collaborative era, things are going to get more complex in terms of the types of policies that you pursue," Mr. Quinn said. "The collaborative era will almost always have multiple policy objectives, the economy and the environment count equally, and all the stakeholder sectors – ag, urban, and environment – they all play a role and have to be dealt with. I believe that will require a collaborative, decentralized, inclusive governance model and we need to start thinking about how do we want to go about doing that."*

### WATER POLICY AND POLITICS


Water policy is always being made in a political environment. Some of his students have a strong aversion to politics and think of it as something to be avoided, but Mr. Quinn said he's trying to convince them they shouldn't.



**In Managing Natural Resources,  
You Can't Escape Politics**

- In a democracy, public policy is forged through a *political process*.
- "For people to govern watersheds well requires that they make collective choices... Collective choices are ultimately political choices. Thus, governing watersheds well requires *embracing politics*."

Source: Schlager and Bloomquist (2008, x)



*"You have to think about that black box of politics because in the political world, you have lots of stakeholders, you have lobbyists which seem to be climbing all over our democratic institutions, and you even have to deal with people like David Bernhardt and his boss, Donald Trump, because they will influence the policy making environment," he said. "The fact is our policy making process is very, very participative. In any public policy arena, you have scores, even*

*hundreds of decentralized entities and interest groups that are working the legislative or administrative process to try and influence policy outcomes. So in making or understanding water policy, you must deal with the reality that you can't escape politics. In a democracy like ours, public policy is forged through a political process."*

Schlager and Bloomquist wrote in their 2008 paper, 'For people to govern watersheds well requires that they make collective choices ... collective choices are ultimately political choices, thus governing watersheds well required embracing politics.'

*"I actually realized this at a very young age," said Mr. Quinn. "I knew when I was writing my Ph.D. dissertation that I couldn't ignore the political environment in which water policy was being made, and at the time as an economist, it seemed natural to think about political decision making in terms of market dynamics. After all, private markets are places where decentralized entities compete to provide goods and services. In political markets, decentralized entities compete to influence policy decision."*

*"In private markets, at least in classical economic theory, decisions are made by decentralized entities guided by Adam Smith's famous invisible hand to determine the price, supply, and demand for goods and services," he continued. "In political markets, decisions are made by centralized public entities with considerable stakeholder participation. Political markets determine the rules of the game, which we all know is really important. To influence decisions, stakeholders compete oftentimes by building coalitions. How many of you have worked to put together that letter with over a hundred logos or signatures to advance a common policy position in a regulatory agency or a legislature? Almost all of you have in one way or another participated in that kind of process."*

**Coalition Building is  
The Essence of Political Competition**

- In the Political Marketplace, You Build Coalitions to Influence Public Decisions
- Shifts in Demand and Supply Drive Private Market Outcomes
- Shifts in Coalitions Drive Political Market Outcomes



Mr. Quinn pointed out there's an interesting difference between private markets and political markets. *"In private markets, collaboration is viewed as bad; economists call it collusion, and it's bad because it introduces inefficiency and reduces aggregate wealth. In political markets, collaboration within and amongst interest groups is essential in the political marketplace to securing sound policy outcomes. Certainly*

*based on my experience, coalition building is the essence of political competition. In the political marketplace, elected officials and regulators are obviously important, they make the*



decisions in the end, but they are working in a sea of stakeholders who build coalitions to try and influence public policy decisions.”

Shifts in demand and supply drive private markets, but shifts in coalitions drive outcomes in political markets. Coalition building is universal in the political marketplace; Mr. Quinn said he has participated in hundreds of political and policy processes over the course of his career, and they were always focused on building a coalition to support a common policy goal.

## COLLABORATION IS HARD

At Stanford, Mr. Quinn came to realize that not all coalitions are alike. *“In particular, warrior coalitions are driven to grow their silos and make them as big and powerful as possible so they can defeat the other silos in the political battle. Warriors tend to participate in all or nothing decision-making processes. And their goal, like Cassius Clay in 1964, soon to be Muhammad Ali, is to put your opponent, in this case, Sonny Liston, on the mat. In collaborative coalitions, stakeholders work to knock down those silo walls, get people to venture out of their silos and work together across silo boundaries and you’re not trying to put the other interest groups on the mat, you’re trying to work together to climb to the top of the policy mountain.”*

Mr. Quinn acknowledged that collaboration is really hard work. It requires venturing outside of your silo and getting others to do so in order to forge compromises, but this will almost always greatly irritate the hardliners who can be found in every one of the silos.

*“You reach compromise through a decentralized inclusive open and transparent process which usually requires a big tent, bigger than the more powerful stakeholders usually are comfortable with,”* he said.


Collaboration also means considering multiple goals simultaneously. Unlike the regulatory era or the development era, it’s not just about maximizing one thing and deal the residual to other interests; all the interests have to be dealt with simultaneously.

*“A successful collaboration has to work for the economy and the environment and it has to work for all interest sectors that are engaged in it which is complicated and to accomplish this almost always requires more complex policy solutions than was true in earlier eras,”* he said. *“That’s why I always told my staff at MWD and at ACWA that ‘war is easy, collaboration is hell.’ I just want to underscore that doing collaboration is hard work but it’s also the only way to solve some of these wicked problems that we face in California water.”*

## PRIVATE MARKETS VERSUS POLITICAL MARKETS

WHAT MAKES A NEW POLICY DURABLE?

<b>A Stable Policy Equilibrium</b>
Private Market Equilibrium
➢ Demand = Supply
➢ “Normal” Profits
Political Market Equilibrium
➢ Coalition Dynamics
➢ A Broad Support Coalition Stabilizes a New Policy
➢ Significant Opposition Undermines a New Policy



A Durable Policy is All About Building a Broad-Based Support Coalition

So if you’ve gone through a successful collaboration, how do you make the new policy stand up and not be a victim to the entropy that often afflicts the political marketplace? Mr. Quinn said that in market terms, that question comes down to how do you assure a stable policy equilibrium. How can we be sure that the scales are viewed as fair and balanced by a wide range of interest groups that are out there?



*"To start with, you need equilibrium in both the private and the political market," he said. "In the private market, equilibriums are pretty straight forward: demand = supply, all firms are making a normal profit, so that resources don't want to go one place or another. In a political market, I think the equilibriums are trickier and more complicated. In the political market, equilibrium is driven by coalition dynamics. If you have taken the time and the trouble to build a broad-based coalition that supports a new important controversial policy, that policy would be more likely to be sound and to be durable. A policy that has not made that investment in coalition building with splintered stakeholders and warriors determined to bring the policy down, will be unstable and may well be undone. The bottom line: A sound, durable policy is all about building a broad-based support coalition."*

## **EXAMPLES OF SUCCESSFUL COLLABORATIONS**

Mr. Quinn then recounted successful collaborations in California, some that he has been a part of and others not. These examples are summarized in the 40 years report.

### **Successful collaborations at the state level**

#### **1991 [Best Management Practices](#) Agreement**

One of the first collaborations Mr. Quinn was extensively involved with was the urban conservation [best management practices](#) agreement in the late 80s and early 90s. This came about because urban agencies understood in the 1980s that conservation and recycling was going to be important for reliability, he said.

*"Managers at Metropolitan and elsewhere were trying to turn conservation into a positive so that local boards and directors would support it, and then we got hit from the State Board that relied almost exclusively on one size fits all regulation of urban conservation," he said. "The urban community went up in protest, and to their credit, we convinced the State Board staff that we should work on a collaborative process that resulted in the BMPs. That agreement was eventually signed by 354 entities, including almost 200 public urban water supply agencies and nearly 40 environmental NGOs. It didn't last forever, but it set the state for conservation for 20 years."*

#### **1991 Drought Water Bank**

During the 1987 to 1992 drought, they went through a collaborative process and developed the 1991 drought water bank. *"Talk about something that threatened to get the warriors out battling each other, but we did a collaborative process," he said. "We developed the 1991 drought water bank ... it was a remarkable showing how the marketplace could work to deal with the challenges on the ground. To me, more importantly, it replaced potential serious adversarialism with a collaborative approach."*

#### **1994 Bay Delta Accord**

In 1994, chaos in the Delta was averted or at least it was lessened with the Bay Delta Accord, Mr. Quinn said. *"In my view, it was probably the high point of collaboration over the last few decades. The Accord stabilized the Delta for a decade, although entropy eventually took over."*

#### **Monterey Agreement**

Also in 1994, the State Water Contractors and DWR at an ACWA fall conference in Monterey announced they had reached agreement on what became known as the Monterey Agreement.

*"That agreement was the subject of considerable controversy and extensive litigation by some environmentalists," said Mr. Quinn. "But Monterey was a clear victory of collaboration over*



*adversarialism and it gave the State Water Contractors the ability to modernize their water supply portfolios and deal with a new age."*

### **21<sup>st</sup> century collaborative success**

Since the 2000s, Mr. Quinn noted the truly historic legislation including the 2009 Reform Act, the 2014 Sustainable Groundwater Management Act, and Proposition 1 which he noted passed by a 2 to 1 margin which approved \$7.5 billion to invest in California's water system.

### **Local collaboration successes**

Collaborative success stories have also been happening at a local level. In the Sacramento Valley, Butte Creek Salmon Restoration Project, the Yuba River Accord, and the Battle Creek Restoration Project are true success stories for collaboration for fish and for the farmers up in those regions, and the Lower Colorado River Multispecies Conservation Plan is a vital link in modern management of the Lower Colorado River, said Mr. Quinn.

He acknowledged there are far more success stories of collaboration in local water management than he can mention. There are agricultural and urban integrated water resources management plans or IRPs which is work that has happened all over California.

*"It diversified water supply portfolios, but it was also a fundamental revolutionary change in governance where governance became more collaborative so you could get more parties working together towards a common goal of responsible water supply reliability,"* he said.

One of Mr. Quinn's favorite examples of collaboration is the Freeport Intake which serves East Bay MUD and South Sacramento County.

*"For over 20 years, East Bay MUD was engaged in an adversarial process trying unsuccessfully to throw its weight around and get a diversion on the American River at Lake Natomas,"* he said. *"They were opposed by Sacramento County, they were opposed by fishery champions on the American River, and amazingly, East Bay MUD decided to switch gears. They stopped working through an adversarial process, switched to a collaborative model, and within a few years, they built their second peripheral canal with an intake downstream on the Sacramento River for the benefit of their ratepayers, to the benefit of South Sacramento County water users, and for the American River fisheries."*

*"Now for a Southern California audience, this may irritate you,"* he continued. *"They have two peripheral canals and you don't have one, but what I want you to think about is how they got that through collaboration."*

### **Collaborative successes at the watershed scale**

Collaboration can even work in highly complex [watershed](#) environments, he said, pointing out that the San Gabriel River Basin and the Santa Ana River Basin are both examples of something that started with adversarial decision making in the courts and eventually gave way very successfully to collaborative decision making that is working at a [watershed](#) scale.

In the Yakima River basin in Washington, they have collaborated on a multiple benefit resources management plan. *"I've looked it over and it looks pretty sound to me, but it's something they are looking to replicate perhaps in some ways up in the Sacramento Valley,"* he said.

In the Platte River Basin, they have done some remarkable things with collaboration, he said. *"Not unlike the Bay Delta, it started with ESA actions back in the 90s when the whooping crane and five other species were listed under the Endangered Species Act. What they did in*



the Platte River Basin is they used collaboration to solve these problems and they are well down the road, unlike California where we are still suing each other in the courts 30 years later.”

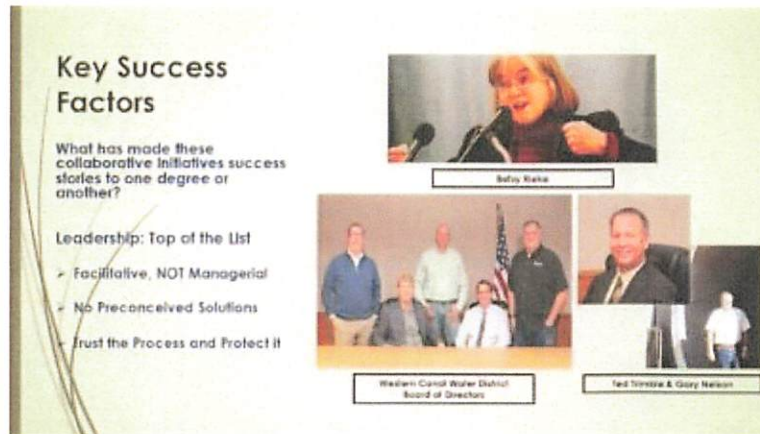
“So hopefully I’ve convinced you that collaboration is important, but that it’s also very hard, and all of these examples I think are informative and they’ve all been successful to one degree or another.”

## FACTORS OF SUCCESS

Mr. Quinn then turned to the factors of success. Why have these initiatives been largely successful?

### Leadership

At the top of the list is leadership. “This is really an important point,” he said. “It is not the top-down managerial leadership of Mulholland, O’Shaughnessy, Harvey Banks or the others that built our infrastructure in the 20<sup>th</sup> century. Collaboration requires what Ansell and Gash call ‘facilitated leadership.’ If you think of leadership as ‘we’re going to construct tunnels under the Delta and you’re going to live with it whether you like it or not,’ well good luck with that strategy.”



Collaborative leaders lead from the bottom up, which is not an easy thing to do, he acknowledged.

“I learned that at ACWA that you gain value and knowledge from the diverse participants in the process and you can’t lead a collaborative by deciding upfront all the details that you want and trying to get others to agree with you,” he said. “Leadership comes from many, many different places.”

“Now, I can tell you for certain, Betsy Rieke did not know at the beginning of the Bay-Delta Accord process that it was going to produce an agreement with four categories of agreement,” he continued. “She let the process work. Western Canal didn’t know that they were going to end up retrofitting most of their distribution system. In particular, they took out the largest dam in their service area and replaced it with a \$10 million siphon. That was something they learned about in the process. These were leaders that did not dictate upfront. They trusted the collaborative process, protected it, and let it make decisions.”

### Engaging Stakeholders

The second success factor is engaging the stakeholders, which Mr. Quinn acknowledged can be really difficult because for some stakeholders, the pull of going to court and winning can be pretty strong which can make it difficult to keep people at the table.

“There’s always conflict between warriors and collaborationists, and if you want a successful collaboration, you have to be watching for that and have strategies for dealing with it,” he said.

The photo was taken on December 15, 1994 as Governor Wilson and Interior Secretary Babbitt celebrated the Bay-Delta Accord. Mr. Quinn noted that the stage is filled with state and federal officials, but also representatives from the Environmental Defense Fund, the Bay Institute, the State Water Contractors, Metropolitan Water District, and others.

*"In 1994, there were warrior critics of the Accord in all three camps, but the agreement had a broad enough base of support to hold up for over a decade, so my message to you in Southern California or Northern California, if you want a collaborative success, be prepared to make the compromises that are necessary to fill up that stage when you announce a successful negotiation," he said.*

### **Institutional design**

Institutional design is deciding who is in the tent and who is not in the tent: Mr. Quinn advised that more inclusiveness is better.

*"How are decisions going to be made by the group? What are your rules for voting? Do you just one tent or more than one tent? A big tent with little tents underneath it? How are you going to make decisions? Unanimity is always a worthy goal but rarely achievable and you rarely see successful collaborations that have unanimous consent required for decision making. Typically they have some sort of supermajority and there are all sorts of clever ways to approach this where on the one hand, you can make decisions, but on the other hand, no interest group feels like it's been left out."*

Most collaboratives wind up with big tents and you should just get used to the idea that they are going to be bigger than some of you would like them to be, Mr. Quinn advised. *"In terms of who is in the tent, it's really important to look beyond just the project or policy opponents. Who is going to be affected by the policy, positive or negative, and who might want to take a corner or otherwise get in your way? Think about some environmental NGOs. When you're thinking about who is in the tent, give those thoughts some consideration."*

It's absolutely imperative that the decision-making process be fully open, transparent, and inclusive, and not just lip service, as you see a lot of lip service with these things, he said. *"It has to be truly open, transparent, and inclusive. Be prepared to confront angry members of the public early and with empathy because you're going to have to deal with a fair amount of conflict inside that big tent."*

Mr. Quinn added this final comment: *"One huge difference between adversarialism and collaboration is collaboration opens up a wide range of opportunities for what I'll call entrepreneurs, which are people to be creative about how you work around conflict and how you can move a complicated group towards consensus."*

### **Many successes triggered by crisis**

Mr. Quinn noted that in most of the examples he gave, they were triggered by a crisis, such as a drought, proposed harsh regulations, or threatened litigation.

*"To me, that's the best thing about adversarialism: you can use the crisis to trigger collaboration," he said.*

### **THE DELTA**

One region that always seems to be in crisis in California is the Delta. *"Despite crisis after crisis, with the brief exception of the Bay-Delta Accord, we have yet to resort to true collaboration in the Delta in a meaningful and durable way," he said. "I don't have to convince anybody watching this that the Delta is important. It's the hub of the system, it's important for the environment, it's important for urban and agricultural water users and the economies and because it's so important, every Governor for the last 40 plus years have had to think about the Delta."*



He then briefly ran down the list: There was young Jerry Brown with the peripheral canal, followed by George Deukmejian and Duke's Ditch, and then Pete Wilson with some success with the Bay-Delta Accord. Gray Davis signed the record of decision for Cal Fed, Arnold Schwarzenegger started the [Bay Delta Conservation Plan](#) which was also supported by Governor Brown, which then became the California Water Fix. Then Gavin Newsom became governor and pulled the plug on Water Fix project, and now we're starting all over with the water resiliency portfolio.

*"If you asked the question if all these bipartisan governors supported action in the Delta, why is it still such a mess? I think the answer is because we got the governance wrong," he said. "The Delta is where the warriors clash in California water. It has been the subject of managerial and adversarial decision-making processes at both the state level and at the local level. There's been the water users that seem to want to go back to the development era in a lot of cases and the environmentalists definitely want to go back to the regulatory era where they think they had more power but they can't solve their problems in that era that gave them power."*

*"Most important in the 21<sup>st</sup> century, we have not invested in a coalition building strategy around any Delta action plan. Governor Brown certainly didn't have a broad-based coalition to support the Water Fix and I think that's one of the main reasons why Governor Newsom pulled the plug. We have not even tried in this century to fill up that stage."*

*"Bottom line, we fail in the Delta because we are using decision-making processes from earlier eras when only collaboration will work in a 21<sup>st</sup> century collaborative era,"* said Mr. Quinn.

## **THE CURRENT STATE OF COLLABORATION IN CALIFORNIA WATER**

Mr. Quinn noted that there is a lot currently going on that is concerning. The state and federal leaders do not see the world in the same way.

*"Their relationship and the relationship between California and the federal government has in my view created a huge vacuum of leadership on governance," he said. "That vacuum creates opportunities for the warriors to be on the march and they certainly are on the march. The weapon of choice lately is a mind-boggling series of lawsuits which is like a circular firing squad in the cartoon, and from which I don't think anybody's going to walk out alive. We need to figure out a way to get these lawyers to lower their pistols. And all of this of course is supported by combat science."*

Mr. Quinn recommended [a recent commentary in Cal Matters written by Dr. Jeff Mount and Greg Gartrell](#) which elaborates on the combat science going on in the Delta.

## **RECOMMENDATIONS FOR MOVING FORWARD**

He then gave some suggestions for going forward.

**Support collaboration where it has a foothold to prove that it works.** He said he is encouraged by the Sacramento Valley's thinking on multiple benefits water management and big picture governance. *"Water management and collaboration seem to be in the DNA of those folks,"* he said. *"I would encourage you all to go on the Northern California Water Association's website, learn more about it, and be prepared to visibly support what's going on in the Sacramento Valley."*

**Urge the Newsom Administration to lead us into a truly collaborative era in water policy.** *"I don't think we're going to be successful with this in the current political environment, but we certainly at a minimum right now, we should support Wade Crowfoot as he tries to get the voluntary agreements going again,"* he said.

**Use the November election as an opportunity to reset governance to collaboration in California.** *"If Trump is elected, I'm not sure what the best strategy is going to be on that. If Biden is elected, during the transition, I would encourage you guys to work with Northern Californians, environmentalists and others to form as big of a coalition that you can that wants to support getting back to collaboration and then work with the transition team with the Biden administration if that's what we have, work with them like crazy."*

**Put a spotlight on the science to get rid of the combat science.**

## DISCUSSION PERIOD

**Question:** Lately, there's an argument to be made that we're really moving further to polarization, particularly within the partisan political arena. Do you see that as being an opportunity or still a problem to overcome, because the vitriol between political parties – it's not just a disagreement of philosophy and approach, it becomes almost like personal hatred. Isn't that harder to bring people together just to sit around a table?

**Answer:** *"It is, and I don't think there's an easy path for dealing with it but we need to find some way to make lemonade out of these lemons we've got today. This is not new, by the way. We had a lot of collaboration going on in California water in the 90s. I think it's fair to say when George W. Bush got elected, the agricultural interests thought that that was very much in their interests, so why should they pay so much attention to collaboration. Same thing I would say happened with Obama, which the environmentalists in the Bay Area thought they had an upper hand. If you think you have an upper hand with the new administration, why sit down and bargain with people who don't agree with you? That's what's happening to a degree now with Trump where once again agriculture thinks it has an upper hand."*

*"But the simple fact we all have to realize is that the upper hand isn't doing you any good in a governance system that can't produce, so the best way to deal with this is to get lots of people interested in the collaborative model. And to get some juice behind it so that when the administration changes, you still got a chance of keeping your collaboration going. We've done that to an extent in recent decades, but we need to do it a lot more effectively than we have."*

**Question:** What have you learned regarding how to really successfully collaborate when there appears to be no agreement on facts or on regulatory structure; there's no agreement across the board. There are people who have really dug in and taken a position before they ever come to the table. What's the one golden nugget that you've pulled out of there to get that shift for people to have that conversation?

**Answer:** *"Two comments in that regard. The first one is that it's really important to develop those relationships on a personal level. In my early days, I spent a lot of time and energy on the road getting to know people and putting a human face on the Metropolitan Water District of Southern California, and I was pretty successful. We've built relationships. One of the things I mentioned in the 40 years paper is the three-way process. We need more of that kind of just people sitting down with each other and getting to know them. We have to invest more in relationships than we have in the past."*

*"The second thing ... I don't like to think about collaboration this way, but collaboration comes down to divide and conquer. In all of the silos, there are people who know collaboration is the best thing and there are warriors that are never going to get there, so you have to do something that empowers the collaborationists in each of those silos to part company with their warriors and be willing to get some black and blue bruises on them because they're going to get them, but you've got to empower and engage through relationship building of people in each of silos that are interested in actually getting something done."*



**Question:** I understand the trust based relationships. Those just don't materialize overnight. How would you characterize the IID San Diego Water Authority agreement and related QSA and those agreements back in 2003. Would you list those as collaborative or was that forced change?

**Answer:** *"Obviously there's some collaboration going in between IID and San Diego, something that was unheard of a half a century ago which became an important part of the QSA. That's an example of something where you have both collaboration going on between the parties, which also had a lot of warrior stuff going on between San Diego and the Metropolitan Water District. Frankly the world would have been a better place if we had collaboration on a broader scale there, but sometimes you have elements of both types of governance going on."*

**Question:** Folks come to the table and they get accustomed to a certain formula or culture because it starts to work for them. With warriors, it can be a business model: It pays me to be confrontational. It pays me to take you to court. It pays me to come up with alternative science. I'll use science and science facts that are to my benefit because I know I can win with them, as opposed to getting neutralized science facts. Is there a value in that? How do you overcome those business models, and then can you or how do you use science and experts over time to actually soften or change that?

**Answer:** *"It certainly is a huge problem. There are people with preconceived notions about what should be happening out there. One of the things we're trying to do at Stanford is create in some public forums, put a spotlight on the science, show where the science agrees and where it disagrees because a lot of people are telling a lot of stories about the science that simply isn't true, so just shining on the light on that."*

*"Another one is, I think it's absolutely true that some people's business model is built around being a warrior. I think that happens in all of the silos. To some people, warriorism is profitable to them. It protects them in alignment when the hardliners are strong. I want to strongly emphasize – dare I name names, but NRDC in the environmental community, their business model is, 'bad people are doing bad things, give me money and I'll sue them.' I don't think NRDC is ever going to break out of that, but I really want to emphasize strongly that is not the business model of everyone in the environmental community."*

*"The Environmental Defense Fund has very much a collaborative business model. We should be making sure that gets rewarded. So does American Rivers. So does the Sierra Conservancy. So does Cal Trout. So does Trout Unlimited. So does The Nature Conservancy. There are lots of environmental organizations out there that do not have that warrior model as their business model attitude. You need to find them, you need to create relationships, and you need to work with them."*

**Question:** Some of the collaborative processes you talked about as being as a success were predicated off of some form of disaster. And so the question is, because of the way the Delta is currently so lawyered up, are we really going to need an earthquake or some disaster, some major flooding where islands get wiped out and then there are certain people that have to now come back to the table because it's so broken?

**Answer:** *"My answer to that is I hope not. I think the circular firing squad of lawyers is a big enough crisis to stimulate an interest in collaboration. It was legal disputes and the circular firing squad of lawyers that stimulated collaboration in the Santa Ana River and the San Gabriel River basins, and many of the examples I put out there were also stimulated by crisis. I think we have plenty of crisis; we need to take advantage of it."*

*"In fact, a lot of time the leadership can come from the locals, but sometimes you need leadership coming from the administration. I'd like to get the Governor of California to be our leader into the collaborative era. Right now I think it's going to be very hard to have that"*

happen, but we need to use the election, regardless of how it comes out, as a turning point to try and get Governor Gavin Newsom to realize that if he wants to have a water policy, he needs to have a collaborative governance policy as well."

**Question:** We're talking about the Delta at this point which is that hub and is most critical and also the most controversial piece of California water conflict. Are their linkages then to that local policy process that can help us drive that state or federal policy? or in that regard, you have to start there and work your way down? For instance, Metropolitan's going through their next iteration of integrated resource planning. The outcome of that may well be predicated on where is the state and the federal government in terms of the ability to move water statewide. Does one have to come before the other? How does that work?

**Answer:** "I was very involved in the first Integrated Resources Plan of the Metropolitan Water District. That's where we got into truly collaborative governance. Member agencies weren't just customers; they were partners in regional water supply reliability. I know there are people who think that Met could be doing things differently in the IRP, but the fact that they are out there doing that and using that as a lever to get the right kind of decision making up in the Delta."

"I wrote the policy in the early 2000s that Met wasn't looking for more water; Met was looking for reliable water. They wanted to know what they can count on in the future. I think we need to be beating that drum which we did but by the time it got to the 2010s, quite frankly you guys were shoulder to shoulder with Tom Birmingham and Westlands Water District, who were saying this is all about getting more, we have to have more. I think Southern California needs to be loud and clear that that's not what's driving your water policy when it comes to the Delta. You need to know how much you can get when it's wet, how much you can get when it's dry, and when it's wet you want to combine that with your storage programs and your conservation programs, and Southern California's been doing a marvelous job of that for the last 30 years."

## 'Magic ion' in public drinking water linked to lower suicide rates, study finds

THE SACRAMENTO BEE BY KATIE CAMERO JULY 27, 2020 02:54 PM

An element found in some batteries has an anti-suicidal effect when consumed via public drinking water. Areas with high concentrations of lithium in public drinking water had lower suicide rates JIM COLE AP

An element commonly found in aircraft and some batteries is said to have an anti-suicidal effect when consumed via public drinking water, new research has found.

A compilation of studies conducted between 1946 and 2018 show that areas with high concentrations of lithium in public drinking water had "correspondingly lower suicide rates," according to a news release.

Research that has touted this connection suggests the element — sometimes dubbed the "magic ion" — could be used to combat risks associated with mental health conditions, especially in communities that have a high prevalence of criminal behavior, chronic substance abuse and risk of suicide.

The study was published Monday in The British Journal of Psychiatry.

"This study shows that the boundaries between medication and nutritional interventions are not as rigid as we used to think, opening up the possibility of new treatments that span both domains," Dr. Carmine Pariante, a professor of biological psychiatry at the Institute of Psychiatry, Psychology and Neuroscience at the King's College London, said in the news release.

"More knowledge of the beneficial properties of lithium and its role in regulating brain function can lead to a deeper understanding of mental illness and improve the well-being of patients with depression and other mental health problems."

### WHAT IS LITHIUM?

Lithium is a naturally occurring element found in vegetables, grains, spices and rocks where it is weathered down into soils and thus into public drinking water, the researchers said.

It's also the lightest-known metal that is "so soft that it can be cut with a kitchen knife and so low in density that it floats on water," according to LiveScience.

What's more, lithium is a mood stabilizer, the National Alliance on Mental Illness says. It's widely used in medications for the treatment and prevention of bipolar disorder, which involves episodes of depression and mania.

These health benefits have "been known for centuries," the researchers said, and have ties to an ancient Native American medicinal spring famous for its lithium-enriched water and "health giving properties."

"In fact, the popular soft drink 7-Up contained lithium when it was created in 1929," according to the researchers.

The team identified 415 studies that looked at the association between lithium concentrations in drinking water and suicide rates in 1,286 regions in Austria, Greece, Italy, Lithuania, Japan, the UK and the U.S., according to the paper.

They then narrowed it down to 15 studies that demonstrated that "higher levels of trace lithium in drinking water may exert an anti-suicidal effect and have the potential to improve community mental health," lead author of the study Dr. Anjum Memon, chair of epidemiology and public health medicine at the Brighton and Sussex Medical School, said in the release.

Although the levels of lithium found in drinking water are "far lower" than those found in medicines, the duration of exposure to the element in water "may be far longer," Dr. Allan Young, chair of mood disorders at King's College London, said in the release.

"In these unprecedented times of COVID-19 pandemic and the consequent increase in the incidence of mental health conditions, accessing ways to improve community mental health and reduce the incidence of anxiety, depression and suicide is ever more important," Memon said.

Previous studies have also linked lithium to "reduced incidence of Alzheimer's disease and other dementias," according to the researchers.

# **CORRESPONDENCE**

**Humboldt Bay Municipal Water District**

To: Board of Directors  
From: John Friedenbach  
Date: August 7, 2020

Re: Inundation Map for CAS failure

**Discussion**

The California Department of Dam Safety promulgated new regulations requiring California dam owners to prepare dam failure inundation maps for the loss of Critical Appurtenance Structures (CAS) of a dam. For the R. W. Matthews dam, the spillway is considered a CAS. Staff has corresponded several times with DSOD regarding the inappropriateness of this requirement to our dam as all of our Probably Dam Failure (PFM's) concerning spillway failure lead to total loss of the dam. Unlike the Oroville Dam configuration which has a gated spillway which is totally disjointed from the dam structure, our spillway is an integral component of our earthen filled dam. The spillway failure at Oroville was the motivation for creating this new regulatory requirement.

Irrespective, DSOD is requiring an additional set of inundation maps for potential failure of our spillway CAS.

Staff has solicited bids from the following firms: GEI, GHD and Condor Earth. All of the bids were not received at the time of writing this staff report. Therefore, staff will verbally communicate the results at the Board meeting.

**Staff Request**

Staff requests that the Board authorize staff to enter into a contract with the lowest bidder to prepare the required CAS inundation maps to meet the DSOD regulatory requirements. This would be an addition to our Project Budget for \$20,000. Funding will initially be from District Reserves, but staff will include this project in the annual budget re-allocation process in the spring.

STATE OF CALIFORNIA – CALIFORNIA NATURAL RESOURCES AGENCY

GAVIN NEWSOM, Governor

**DEPARTMENT OF WATER RESOURCES**1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791

July 14, 2020

Mr. John Friedenbach, General Manager  
Humboldt Bay Municipal Water District  
828 Seventh Street  
Eureka, California 95502

H.B.M.W.D. JUL 20 2020

Robert W. Matthews Dam, No. 1013  
Trinity County

Dear Mr. Friedenbach:

The Division of Safety of Dams (DSOD) has reviewed the inundation map dated May 15, 2019, and GHD consultant's letter dated March 6, 2020, submitted with your letter dated March 30, 2020, for Robert W. Matthews Dam. The inundation map submitted for the spillway failure only shows a sunny day failure of the dam as you assert that a spillway failure would cause the progressive failure of the dam. Your letter states that a separate inundation map showing the failure of the spillway only would create an unreasonable financial burden with no tangible benefit to enhance the District's dam safety program.

The spillway at this dam is considered a critical appurtenant structure (CAS) per section 6002.5 of the California Water Code (Water Code) because it impounds over 5,000 ac-ft of water. Section 6161 of the Water Code requires that dam owners prepare inundation maps for state jurisdictional dams and all CAS, except for dams that are classified as "Low" hazard.

DSOD has the responsibility to ensure that every dam owner produces inundation maps that meet the requirements and intent of the law in the Water Code and Title 23, Division 2, Chapter 1, Article 6 of the California Code of Regulations (CCRs). Both the Water Code and the CCRs require the modeling of separate failure scenarios unique to the dam and its CAS and for the results to be used to prepare inundation maps. Neither source allows for progressive failure scenarios or their likelihood to be considered in determining the number of inundation maps required.

After a thorough review of the submitted materials, DSOD has determined that the submitted inundation map does not meet the requirements in the Water Code and CCRs. You are required to submit a separate inundation map for the spillway failure only, which does not include the failure of the dam, and a technical study prepared in accordance with Article 6 of the CCRs.

Though the spillway inundation map must show the failure of the spillway only, it would be beneficial to provide emergency managers with information about the potential failure mechanisms of the spillway as it could affect decisions related to emergency response planning. We recommend that this information be provided in your emergency action plan (EAP) that also contains approved inundation maps and is exercised regularly with local emergency management agencies.



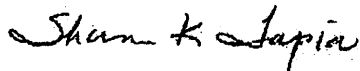
Mr. Friedenbach  
July 14, 2020  
Page 2

Please note that the hazard classification of Robert W. Matthews Dam is "High" and its EAP must be completed expeditiously, since the due date of January 1, 2019, for submitting the EAP to the California Governor's Office of Emergency Services (Cal OES) has passed. We recommend initiating EAP preparation per section 6161(b) of the Water Code using the draft inundation maps and updating the EAP as necessary when the map is approved.

Please submit your spillway inundation map and technical study in conformance with the requirements in the statutes and regulations as soon as possible for DSOD's review and approval. If the inundation map and technical report cannot be submitted at this time, then a plan and schedule must be submitted by August 31, 2020, for DSOD's approval.

If you have any questions or need additional information, you may contact Dam Safety Engineer Kristen Martin at (916) 565-7877 or Project Engineer Vojislav Cvijanovic at (916) 565-7875.

Sincerely,



Sharon K. Tapia, Chief  
Division of Safety of Dams

cc: Mr. José Lara  
Dam Safety Planning Division  
California Governor's Office of Emergency Services  
3650 Schriever Avenue  
Mather, California 95655

Mr. Frank Blackett, P.E., Regional Engineer  
Federal Energy Regulatory Commission  
100 First Street, Suite 2300  
San Francisco, California 94105



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

828 SEVENTH STREET, PO Box 95 • EUREKA, CALIFORNIA 95502-0095

OFFICE 707-443-5018 ESSEX 707-822-2918

FAX 707-443-5731 707-822-8245

EMAIL [OFFICE@HBMWD.COM](mailto:OFFICE@HBMWD.COM)

Website: [www.hbmwd.com](http://www.hbmwd.com)

**BOARD OF DIRECTORS**  
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**GENERAL MANAGER**  
 JOHN FRIEDENBACH

 **COPY**

March 30, 2020

Ms. Sharon K. Tapia, Chief  
 Division of Safety of Dams  
 Department of Water Resources  
 2720 Gateway Oaks Drive, Suite 300  
 Sacramento, CA 95833

**RE: R. W. Matthews Dam (State Dam No. 1013) Critical Appurtenant Structure (CAS) Failure Inundation Mapping**

Dear Sharon K. Tapia,

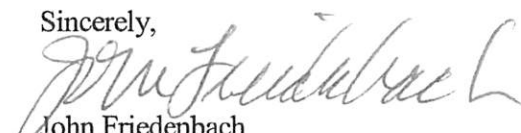
Humboldt Bay Municipal Water District (HBMWD) has been working with the Division of Safety of Dams (DSOD) to ensure the Emergency Action Plan for R. W. Matthews Dam contains inundation maps for a CAS failure scenario that comply with 23 CCR § 335 while ensuring the inundation maps reflect all the communities that should be notified during a CAS failure scenario (FEMA-64, pg. II-20).

On December 19, 2019, Kristen Martin, Senior Engineer for DSOD, informed HBMWD that the District must submit inundation maps based on a model of a failure of the spillway only. Preliminary modeling for this failure scenario was completed by HBMWD's District Engineer. His CAS failure analysis is summarized in the attached letter, which states in part: "the costs range from \$40,000 to \$80,000 to model the inundation from such a failure. We realize that the District is a small dam operator and that this would create an unreasonable financial burden with no tangible benefit to enhance the District's dam safety program."

As you will see in the attached engineer's report, it is extremely unlikely that our CAS, ungated spillway which is an integral dam structural component, could fail without an entire dam failure. Consequently, we are submitting inundation maps and modeling for a scenario using our existing "sunny day dam failure" inundation mapping that meets the intent of a CAS failure scenario for DSOD's approval.

If you have any questions or concerns, please do not hesitate to contact us.

Sincerely,

  
 John Friedenbach  
 General Manager

Cc: Lakhbir Singh, DSOD

IN WITNESS WHEREOF, I have hereunto set my hand and seal of the said Corporation, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.



**COPY**

THE BOARD OF DIRECTORS OF THE CORPORATION, do hereby certify that the foregoing is a true and correct copy of the \_\_\_\_\_ of the said Corporation, as the same appears from the records of the said Corporation.

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



March 6, 2020

COPY

Reference No.11198795

John Friedenbach  
 General Manager  
 Humboldt Bay Municipal Water District  
 828 Seventh Street  
 PO Box 95  
 Eureka, CA 95502

**Re: R.W. Matthews Dam (State Dam No. 1013) CAS Failure Inundation Mapping**

Dear John,

This letter is in response to the December 19, 2019 email from Kristen Martin, Senior Engineer, Division of Safety of Dams (DSOD), California Department of Water Resources (DWR), in which she requested; "After reviewing the District's letter, DSOD has decided that the District must submit an inundation map showing the failure of the spillway only, that does not include failure of the dam."

As you are aware, on June 27, 2019, Humboldt Bay Municipal Water District (District) submitted the previously prepared 'Sunny-day' inundation model parameters and mapping to DSOD as the failure mode for the critical appurtenant structure (CAS) failure scenario at R.W. Matthews Dam to substantiate the alternative failure mode for the CAS, as allowed by 23 CCR§ 335.6(a)(4)(E). After conversations with Mr. Balakrishnan and Ms. Martin of DSOD on August 21, 2019, and per their request, the District submitted a supporting documentation memo from GEI Consultants on October 11, 2019. The GEI supporting documentation memo analyzed the load capacity of the ogee weir and indicated that the load required to induce the failure scenario specified in 23 CCR § 335.6(a)(4)(D) would require an extreme event that would threaten the integrity of the entire dam. This further supported the use of the Sunny-day scenario as the: "... most appropriate failure mode for developing the EAP" per the Federal Guidelines for Emergency Action Planning for Dams (FEMA-64, pg. II-20). Subsequent to the October 11, 2019 District letter, Ms. Martin sent her December 19, 2019 email requesting the inundation map showing the failure of the spillway only.

In order to analyze the CAS failure of the spillway only, the hypothetical CAS scenario supposes a shear or overturning of the entire ogee section. As detailed in the GEI Oct. 11, 2019 memo, GEI considered other failure loading cases for spillway ogee failure including flood and seismic loading. In the case of the PMF loading, they stated that the ogee was not designed for the updated PMF from a structural standpoint even though it can theoretically pass the PMF with about 1.5 ft of freeboard. To quote the GEI memo: "A quick structural review indicates that overtopping the ogee by over 20-25 ft may exceed required factors of safety. Likewise, the seismic loading from a M 9+ Cascadia subduction zone (CSZ) event is greater than the allowable ogee structural capacity and would result in a total spillway failure. Both the PMF and MCE seismic event are low probability events that, if they should occur, would be covered from either the existing sunny day failure inundation mapping or the dam overtopping during a PMF dam break inundation mapping."

To model the breach of the ogee failure during a PMF event, it was assumed that the ogee was topped by a 25-foot spill (spillway crest elevation = 2654-ft, water surface elevation = 2679-ft) and then the ogee fails





and overturns at its bottom elevation of 2640-ft. This results in a breach that is the entire width of the spillway, 100-feet, by 39-feet deep. Since it is assumed that the ogee overturns during this event, the use of typical earthen dam breaching, such as detailed in Table 9-3 of FEMA P-946 is not applicable. Instead the spillway rating curve developed for this spillway was used to estimate the breach flow. The rating curve would result in a conservative peak discharge of 104,411 cubic feet per second at a depth of 39-feet (see attached Winzler & Kelly Memo dated March 25, 2011). As detailed on page 19 of the *R.W. Matthews Dam Inundation Study*, Winzler & Kelly, April 2001, the Sunny-day failure was modeled as producing a peak discharge of 751,865 cfs at the dam, or slightly more than 7 times the ogee overturning failure. Consequently, the use of the existing inundation maps for the Sunny-day failure is a reasonable, albeit extremely conservative, response to the current regulations requiring inundation maps for appurtenant structure failure at the R. W. Matthews Dam.

The District has obtained cost estimates to prepare an inundation map for the small inundation scenario described above. The costs range from \$40,000 to \$80,000 to model the inundation from such a failure. We realize that the District is a small dam operator and that this would create an unreasonable financial burden with no tangible benefit to enhance the District's dam safety program. The fact that modeling a lesser scenario that does not even rise the river inundation to above normal winter conditions is potentially misleading to emergency management agencies and downstream communities, which we have previously communicated to DWR. It is recommended that the attached inundation maps be submitted to the DSOD to model the CAS failure. It is critical that the inundation maps reflect all the communities that should be notified during a CAS failure scenario (as recommended in FEMA-64, pg. II-20) so that the Emergency Action Plan can serve its primary purpose of protecting the lives and property along the Mad River in the unlikely event of a dam failure. I believe that the attached inundation maps meet that intent for a CAS failure scenario.

Please let me know if you have any questions or require additional information

Sincerely,

GHD



Patrick Kaspari, P.E.

District Engineer

Encl. Matthews Dam Spillway Discharge Rating Curve, Winzler & Kelly, March 25, 2011

R.W. Matthews Dam, Dam Number 1013.000, National ID No. CA00833, Inundation Model for Critical Appurtenant Structure Failure Scenario

cc: Bill Rettberg, GEI  
Nathan Stevens, GHD



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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### BOARD OF DIRECTORS

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DAVID LINDBERG, DIRECTOR

### GENERAL MANAGER

JOHN FRIEDENBACH

August \_\_, 2020

US Department of the Interior  
Heather Eggleston, Manager  
National Natural Landmarks Program

**Via email: [heather\\_eggleston@nps.gov](mailto:heather_eggleston@nps.gov)**

*Directors,  
Open to edit -  
suggestions,  
JW*

RE: Lanphere and Ma-le'l Dunes National Historic Landmarks Program

Dear Ms. Eggleston,

We are writing in response to your notice dated July 2, 2020 regarding the proposed designation of Lanphere and Ma-le'l Dunes as a National Natural Landmark (NNL). The meeting for which is scheduled to occur on September 16, 2020. Our Humboldt Bay Municipal Water District (District) is generally supportive of the proposed designation. We bring to your attention the existence of two major water transmissions pipelines that are located within the proposed designated area. The District has recorded easements across the proposed NNL areas. The District continues to operate these pipelines, perform recurring maintenance, and will at some point in time need to replace this aging infrastructure. These activities will require ground disturbance activities with heavy equipment. We understand and appreciate the value and importance of these dunes and take precautions to minimize impacts from our required activities.

Attached are areal depictions of the property and approximate locations of our waterlines for your reference. We welcome the opportunity to discuss this issue further with your staff prior to making a final NNL determination.

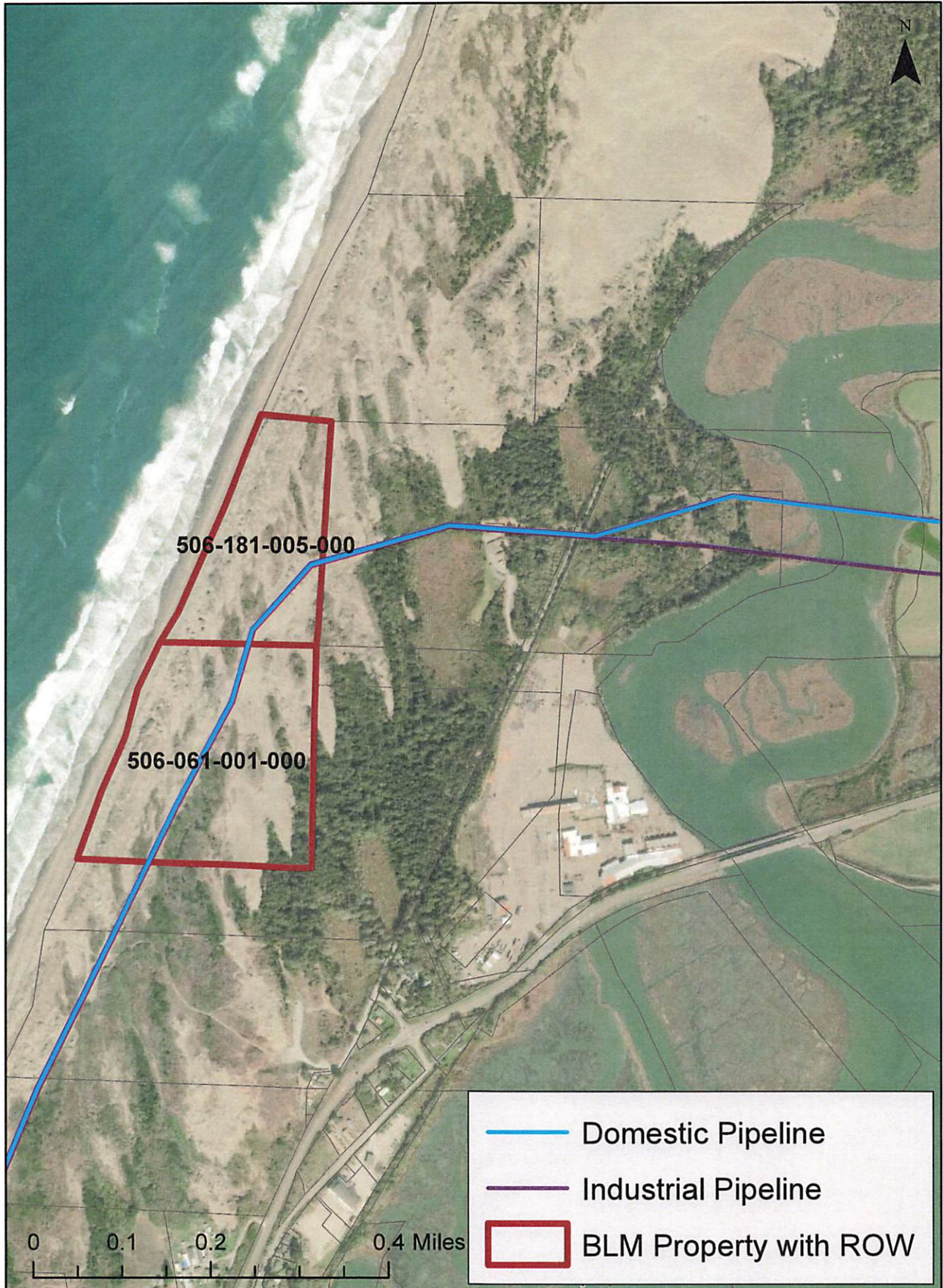
Respectfully,

John Friedenbach  
General Manager

Cc: Congressman Jared Huffman  
US Senator Diane Feinstein



# Humboldt Bay Municipal Water District Pipelines with ROWs on BLM Property



Map By:  
Humboldt Bay Municipal Water District

Coordinate System:  
NAD\_1983\_StatePlane\_California\_I\_FIPS\_0401\_Feet



# United States Department of the Interior



NATIONAL PARK SERVICE  
Interior Regions 8, 9, 10, and 12  
333 Bush Street, Suite 500  
San Francisco, CA 94104-2828

IN REPLY REFER TO:  
10.A (SF-M)

07/02/2020

Humboldt Bay Municipal Water District  
PO Box 95  
Eureka, CA, 95502-0095

Humboldt Bay Municipal Water District:

We are pleased to inform you of the proposed designation of Lanphere and Ma-le'l Dunes as a National Natural Landmark (NNL). Located approximately three miles west of Arcata in Humboldt County, California The site was recently evaluated with permission from the U.S. Fish and Wildlife Service and Bureau of Land Management.

The evaluation report concluded that Lanphere and Ma-le'l Dunes is unique in the North Pacific Boarder biophysiological province for its outstanding example of one of the most diverse and highest quality remnants of coastal dunes habitat in province Lanphere and Ma-le'l Dunes is a remarkably undisturbed yet easily accessible site with an outstanding variety of dune habitats and associated wetlands. These habitats are mostly in excellent condition and contain virtually all the species of vascular plants typical of dune systems in northern California and southern Oregon, plus a number of rare species. The site is very scenic and affords the public an inspiring view of a natural coastal ecosystem that was once common and is now nearly lost. The site also affords a special opportunity to study the natural relationships among dune organisms and physical processes. Based on the evaluation and subsequent peer reviews, the National Park Service (NPS) has concluded that Lanphere and Ma-le'l Dunes appears to meet the criteria for national significance.

Once it has been determined that a proposed site meets the criteria for national significance, National Natural Landmarks Program regulations require the NPS to notify the area's owners and managers, interested individuals, organizations, and appropriate authorities including the executive of the local governmental jurisdiction, the governor and other appropriate state officials, and senators and members of Congress who represent the district in which the proposed NNL is located. Notice of this proposed action is also published in the Federal Register. All notified entities have 60 days from receipt of this letter to provide comment on the proposed designation. Full designation procedures can be found in NNL Program Regulations (36 CFR Part 62, 1999) in Section 62.4.

All comments received will be considered in the submittal to the National Park System Advisory Board, which makes a recommendation regarding NNL designation. The NPS Director then submits the Board's

INTERIOR REGION 8 • LOWER COLORADO BASIN\*  
INTERIOR REGION 9 • COLUMBIA—PACIFIC NORTHWEST\*  
INTERIOR REGION 10 • CALIFORNIA—GREAT BASIN  
INTERIOR REGION 12 • PACIFIC ISLANDS

---

AMERICAN SAMOA, ARIZONA\*, CALIFORNIA, GUAM, HAWAII, IDAHO, MONTANA\*,  
NEVADA, NORTHERN MARIANA ISLANDS, OREGON, WASHINGTON

\*PARTIAL

recommendation and any other pertinent materials to the Secretary of the Interior, who will make the final decision regarding NNL designation.

National Natural Landmark designations are made to herald and support the voluntary conservation of public and private sites that illustrate America's outstanding natural heritage. The NPS partners with NNL managers and owners to encourage and support conservation of these nationally significant sites. Designation as an NNL is not a land withdrawal, does not change the ownership of an area, and does not dictate activity. Owners of NNLs do not give up any rights or privileges of ownership, nor do they give up use of the area. No land will be designated as an NNL over the objection of a property owner.

Enclosed is a copy of the Federal Register Notice announcing the Advisory Board's upcoming meeting and consideration of the proposed NNL designation of Lanphere and Ma-le'l Dunes. If you have questions, please contact NNL Program Manager, Heather Eggleston at 303-969-2945 or [Heather\\_Eggleston@nps.gov](mailto:Heather_Eggleston@nps.gov). We welcome any comments you may have about this proposed designation.

Sincerely,



A handwritten signature in black ink that reads "Woody Smeck". The signature is written in a cursive, slightly slanted style.

Woody Smeck, Acting Regional Director, National Park Service, Interior Regions 8, 9, 10, and 12

Enclosure



# Dune Units of Humboldt Bay NWR

-  Humboldt Bay NWR
-  Ma-le'l Dunes Cooperative Management Area

**Lanphere Dunes Unit**

Access by permit or guided tours only  
Call 444-1397.

**Ma-le'l Dunes Unit**

The Ma-le'l Dunes Cooperative Management Area is open to the public 7 days a week during daylight hours. Use regulations differ by area; the Ma-le'l Dunes Unit of HBNWR is open to pedestrians only (no dogs or horses).

PACIFIC OCEAN

**BLM Manila Dunes**

Ma-le'l Access Road

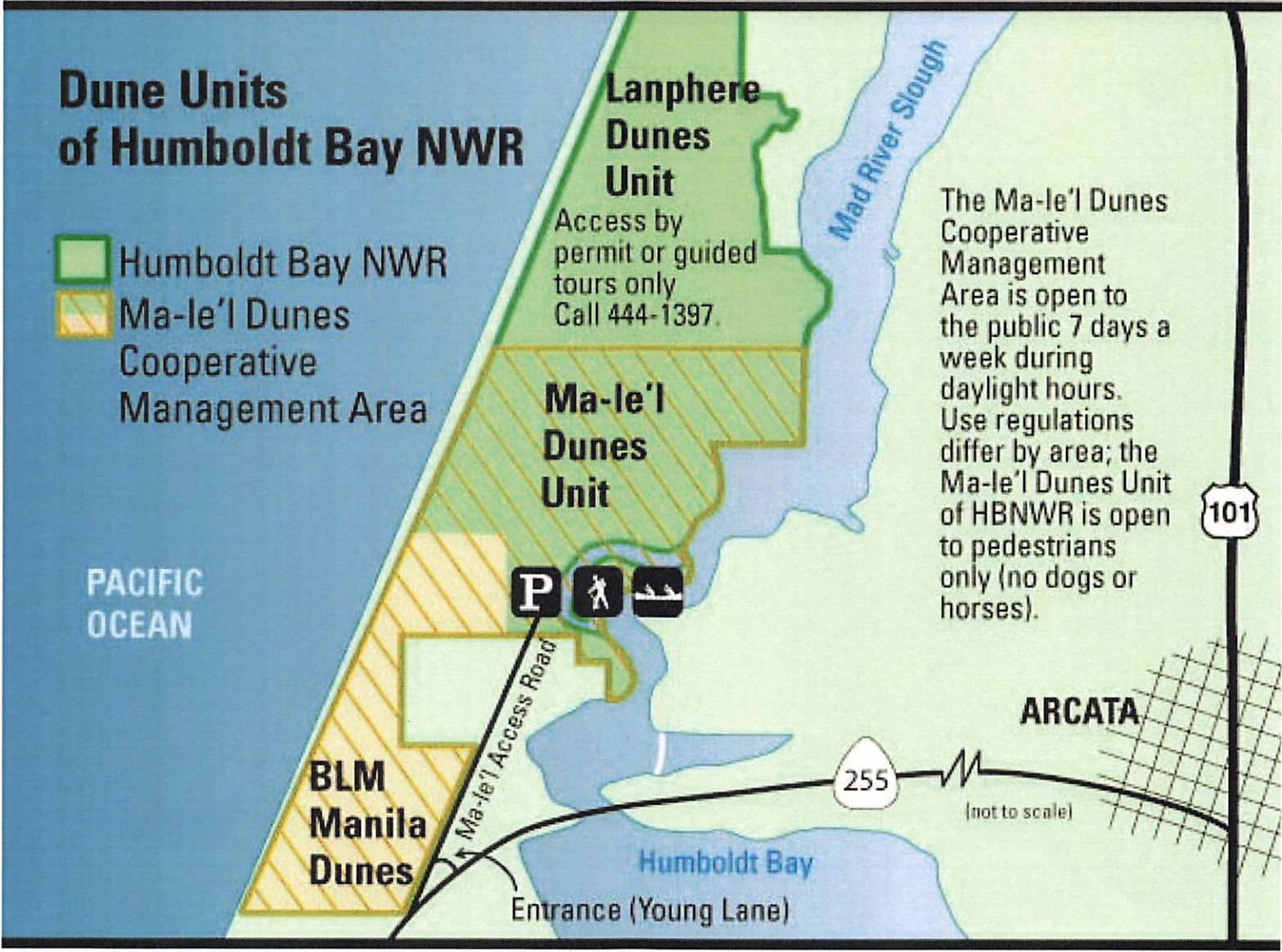


Entrance (Young Lane)

255

ARCATA

(not to scale)



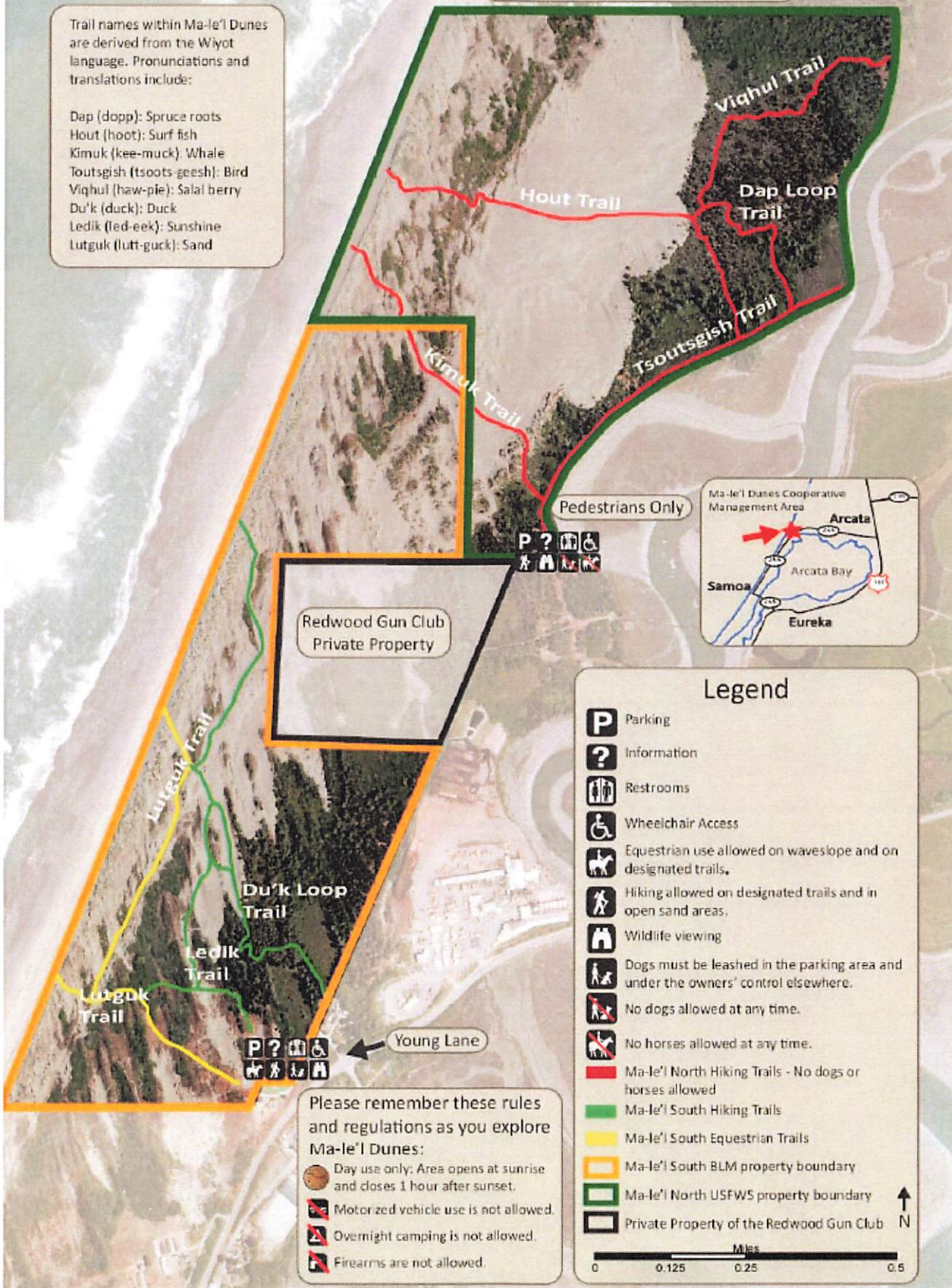


# MA-LE'L DUNES COOPERATIVE MANAGEMENT AREA

Trail names within Ma-le'l Dunes are derived from the Wiyot language. Pronunciations and translations include:

- Dap (dopp): Spruce roots
- Hout (hoot): Surf fish
- Kimuk (kee-muck): Whale
- Toutsgish (tsouts-geesh): Bird
- Viqhul (haw-pie): Salal berry
- Du'k (duck): Duck
- Ledik (led-eeek): Sunshine
- Lutguk (lutt-guck): Sand

Lanphere Dunes - access by permit only



Redwood Gun Club  
Private Property

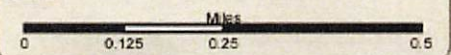
Pedestrians Only

## Legend

- P** Parking
- ?** Information
- ♿** Restrooms
- ♿** Wheelchair Access
- 🐎** Equestrian use allowed on waveslope and on designated trails.
- 🚶** Hiking allowed on designated trails and in open sand areas.
- 🏠** Wildlife viewing
- 🐕** Dogs must be leashed in the parking area and under the owners' control elsewhere.
- 🚫🐕** No dogs allowed at any time.
- 🚫🐎** No horses allowed at any time.
- 🔴** Ma-le'l North Hiking Trails - No dogs or horses allowed
- 🟢** Ma-le'l South Hiking Trails
- 🟡** Ma-le'l South Equestrian Trails
- 🟠** Ma-le'l South BLM property boundary
- 🟩** Ma-le'l North USFWS property boundary
- ⬛** Private Property of the Redwood Gun Club

Please remember these rules and regulations as you explore Ma-le'l Dunes:

- 🌅** Day use only: Area opens at sunrise and closes 1 hour after sunset.
- 🚫🚗** Motorized vehicle use is not allowed.
- 🚫🏕️** Overnight camping is not allowed.
- 🚫🔫** Firearms are not allowed.





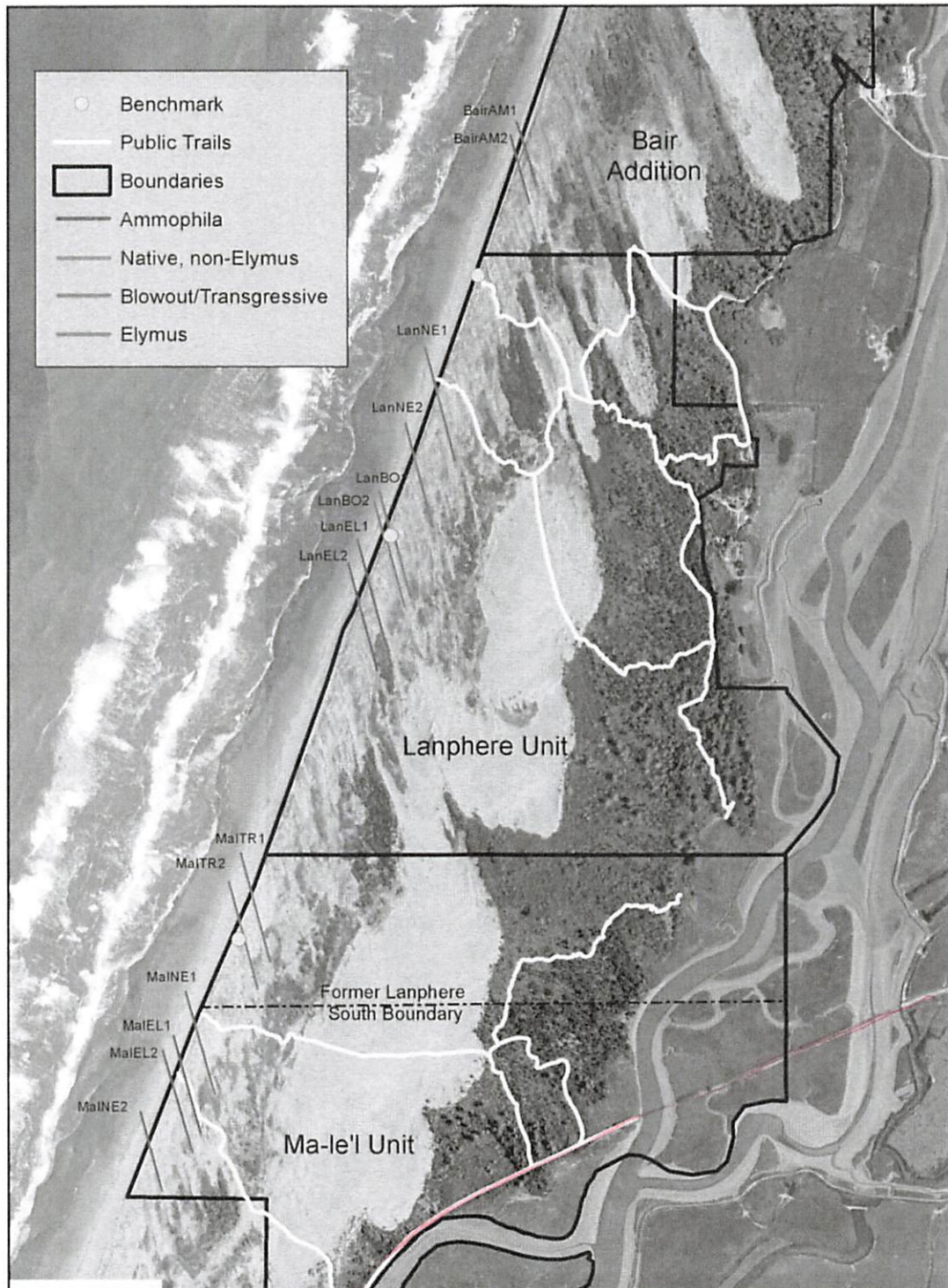


Figure 1. Location of transects on the Lanphere and Ma-le'l Dunes Units, Humboldt Bay National Wildlife Refuge.

would also concentrate the minor amounts of uranium contained in the ore.

- Construction and operation of processing facilities designed to extract and recover vanadium and uranium. The processing facilities would include a processing facility, ancillary facilities, process offices and laboratory, septic tank and leach field, and a pond system.

- Development of various ponds to support ore processing and mine operations that would work together to keep process solution and incident stormwater fully contained within the zero-discharge process solution system.

- Construction and operation of a stormwater management system that would divert stormwater away from mining and processing facilities.

- Development of a borrow area for durable rhyolite rock material, which would be used for overliner, riprap, roads, and infrastructure, was identified from outcrops located approximately one mile to the southeast of the mine site.

- Development of mine access roads including haul, secondary, and general mine roads. The project includes upgrades to approximately 7 miles of the Fish Creek Ranch Road for mine access from State Route 379.

- Construction and operation of power transmission lines (approximately 3.6 miles) that would tie into the 69-kilovolt (kV) power line that currently provides power to the Pan Mine (the Pan Line). The 24.9-kV Gibellini Project power line would extend to the proposed project area and would include a substation in the project area. An additional line would power the water pumps near Fish Creek Ranch.

- Development of mine water resource, which would be supplied by the Fish Creek Ranch irrigation system and pumped from a 15,000-gallon water collection tank south of the ranch to the project area via an approximately 6.25-mile water pipeline. The estimated water use for the project is approximately 500 gallons per minute (gpm) 24 hours per day, 365 days per year for mine use.

- Development of mineral exploration activities, including access roads, drill pads, sumps, trenches, surface sampling, bulk sampling, staging areas, and monitor wells, which would total approximately 46 acres of disturbance in the project area. Exact locations would be identified during plan implementation.

Reclamation of disturbed areas resulting from mining operations would be completed in accordance with BLM and Nevada Division of Environmental

Protection regulations. Reclamation activities proposed in the Plan of Operations include the following:

- Drill hole plugging;
- regrading and reshaping of topography to the approximate original contour;
- wildlife habitat rehabilitation;
- revegetation;
- removal or stabilization of buildings, structures, and support facilities;
- returning of existing roads in project area to pre-project conditions;
- recontouring or regrading of all other mine-related roads and safety berms to approximate original contour; and
- isolation, removal, and/or control of acid-forming, toxic, or deleterious materials.

The purpose of the public scoping process is to identify relevant issues that will influence the scope of the environmental analysis, including alternatives, and guide the process for developing the EIS. The BLM has identified preliminary issues associated with the project: (1) Closure of the heap leach facility; (2) potential impacts to greater sage-grouse, a BLM sensitive species; (3) potential impacts to visual resources; (4) potential impacts to wildlife habitat; (5) potential impacts to surface and groundwater resources; and (6) potential impacts to cultural resources eligible under the National Register of Historic Places.

The BLM will use and coordinate the NEPA scoping process to help fulfill the public involvement process under the NHPA (54 U.S.C. 306108) as provided in 42 CFR 800.2(d)(3). The information about historic and cultural resources within the area potentially affected by the proposed project will assist the BLM in identifying and evaluating impacts to such resources in the context of both NEPA and the NHPA.

The BLM will consult with Native American tribes on a government-to-government basis in accordance with Executive Order 13175 and other policies. Tribal concerns, including impacts on Indian trust assets and potential impacts to cultural resources, will be given due consideration. Federal, State, and local agencies, along with tribes and other stakeholders who may be interested in or affected by the proposed project that the BLM is evaluating, are invited to participate in the scoping process and, if eligible, may request or be asked by the BLM to participate in the development of the EIS as a cooperating agency.

Before including your address, phone number, email address, or other personal identifying information in your

comment, you should be aware that your entire comment—including your personal identifying information—may be made publicly available at any time. While you can ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so.

Authority: 40 CFR 1501.7.

Jon D. Sherve,  
 Field Manager, Mount Lewis Field Office.  
 [FR Doc. 2020-15174 Filed 7-13-20; 8:45 am]  
 BILLING CODE 4310-HC-P

## DEPARTMENT OF THE INTERIOR

### National Park Service

[NPS-WASO-D-COS-POL-30460;  
 PPWODIREPO] [PPMPSASY.YP0000]

### Notice of the September 16-17, 2020, Meeting of the National Park System Advisory Board

AGENCY: National Park Service, Interior.  
 ACTION: Notice of meeting.

**SUMMARY:** In accordance with the Federal Advisory Committee Act of 1972, the National Park Service (NPS) is hereby giving notice that the National Park System Advisory Board (Board) will meet as noted below. The agenda will include the review of proposed actions regarding the National Historic Landmarks (NHL) Program and the National Natural Landmarks (NNL) Program. Interested parties are encouraged to submit written comments and recommendations that will be presented to the Board. Interested parties also may attend the board meeting and upon request may address the Board concerning an area's national significance.

**DATES:** On Wednesday, September 16, 2020, the meeting will convene at 1:00 p.m., and adjourn for the day at 5:00 p.m., Eastern Daylight Time. The meeting will reconvene on Thursday, September 17 at 9:00 a.m., and adjourn at 5:00 p.m. NHL and NNL matters will be presented on September 17. For instructions on registering to attend, submitting written material, or giving an oral presentation at the meeting, please see guidance under **FOR FURTHER INFORMATION CONTACT.**

**ADDRESSES:** The meeting will be conducted at the American Geophysical Union, 2000 Florida Avenue NW, Washington, DC 20036, telephone (202) 462-6900. A teleconference may substitute for an in-person meeting if public health restrictions are in effect. In the event of a switch to

teleconference, notification and access information will be posted by September 9, 2020, to the Board's website at <https://www.nps.gov/advisoryboard.htm>.

**FOR FURTHER INFORMATION CONTACT:** (a) For information concerning attending the Board meeting or to request to address the Board, contact Joshua Winchell, Staff Director for the National Park System Advisory Board, Office of Policy, National Park Service, telephone (202) 513-7053, or email [joshua\\_winchell@nps.gov](mailto:joshua_winchell@nps.gov). (b) To submit a written statement specific to, or request information about, any NHL matter listed below, or for information about the NHL Program or NHL designation process and the effects of designation, contact Sherry A. Frear, RLA, Chief, National Register of Historic Places and National Historic Landmarks Program, National Park Service, email [sherry\\_frear@nps.gov](mailto:sherry_frear@nps.gov). Written comments specific to any NHL matter listed below must be submitted by no later than September 15, 2020. (c) To submit a written statement specific to, or request information about, any NNL matter listed below, or for information about the NNL Program or NNL designation process and the effects of designation, contact Heather Eggleston, Manager, National Natural Landmarks Program, National Park Service, telephone 303-969-2945, email [heather\\_eggleston@nps.gov](mailto:heather_eggleston@nps.gov). Written comments specific to any NNL matter listed below must be submitted by no later than September 15, 2020.

**SUPPLEMENTARY INFORMATION:** The Board has been established by authority of the Secretary of the Interior (Secretary) under 54 U.S.C. 100906, and is regulated by the Federal Advisory Committee Act.

The Board will receive briefings and discuss topics related to improving the visitor experience in NPS managed units and workforce planning for the next century, and consider proposed NHL and NNL actions. The final agenda and briefing materials will be posted to the Board's website prior to the meeting at <https://www.nps.gov/advisoryboard.htm>.

**A. National Historic Landmarks (NHL) Program**

NHL Program matters will be considered at the September 17 session of the meeting, during which the Board may consider the following:

*Nominations for NHL Designation*

Connecticut

- First Presbyterian Church, Stamford, CT

District of Columbia

- Pan American Union Headquarters, Washington, DC

Georgia

- Andalusia Farm (Flannery O'Connor Home), Milledgeville, GA

Massachusetts

- Western Railroad Stone Arch Bridges and Chester Factory Village Depot, Becket, Middlefield, and Chester, MA

Michigan

- Minong Copper Mining District, Isle Royale National Park, Keweenaw County, MI

Nebraska

- Scout's Rest Ranch Headquarters, North Platte, NE

New York

- Grant Cottage, Wilton, NY
- West Point Foundry Archeological Site, Cold Spring, NY

Texas

- Lower Pecos Canyonlands Archeological District, Val Verde County, TX

Virginia

- Patsy Cline House, Winchester, VA
- Stabler-Leadbeater Apothecary Shop, Alexandria, VA

Wisconsin

- Rock Island Site II, Rock Island State Park, Door County, WI

*Proposed Amendments to Existing Designations*

Connecticut

- Hill-Stead, Farmington, CT (updated documentation)
- Hawaii Kalaupapa Leprosy Settlement, Kalawao, HI (updated documentation)

Tennessee

- Hermitage Hotel, Nashville, TN (updated documentation)

**B. National Natural Landmarks (NNL) Program**

NNL Program matters will be considered at the September 17 session of the meeting, during which the Board may consider the following:

California

- Lanphere and Ma-le'l Dunes, Humboldt County, CA

Colorado

- Sulphur Cave and Spring, Routt County, CO

West Virginia

- Bear Rocks and Allegheny Front Preserve, Grant and Tucker Counties, WV

The meeting is open to the public. Interested persons may choose to make oral comments at the meeting during the designated time for this purpose. Depending on the number of people wishing to comment and the time available, the amount of time for oral comments may be limited. Interested parties should contact the Staff Director for the Board (see **FOR FURTHER INFORMATION CONTACT**), for advance placement on the public speaker list for this meeting. Members of the public may also choose to submit written comments by emailing them to [joshua\\_winchell@nps.gov](mailto:joshua_winchell@nps.gov).

**Public Disclosure of Comments:** Before including your address, phone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment—including your personal identifying information—may be made publicly available at any time. While you can ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so.

Authority: 5 U.S.C. Appendix 2.

Alma Ripps,

Chief, Office of Policy.

[FR Doc. 2020-15120 Filed 7-13-20; 8:45 am]

BILLING CODE 4312-52-P

**DEPARTMENT OF THE INTERIOR**

**Office of Natural Resources Revenue**

[Docket No. ONRR-2011-0008; DS63644000 DR2000000.CH7000 19DD1113RT; OMB Control Number 1012-0006]

**Agency Information Collection Activities; Submission to the Office of Management and Budget for Review and Approval; Suspensions Pending Appeal and Bonding**

**AGENCY:** Office of Natural Resources Revenue, Interior.

**ACTION:** Notice of information collection; request for comment.

**SUMMARY:** In accordance with the Paperwork Reduction Act of 1995 (PRA), the Office of Natural Resources Revenue (ONRR) is proposing to renew an information collection. Through this Information Collection Request renewal (ICR), ONRR seeks renewed authority to collect information related to the paperwork requirements necessary to

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NICHOLAS S. AVDIS  
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Of Counsel

July 23, 2020

Ms. Cheryl L. Prowell  
Ms. Nicole Yuen  
Department of Toxic Substances Control  
700 Heinz Avenue  
Berkeley, CA 94710

***RE: McNamara & Peepe Lumber Mill Soil and Groundwater Monitoring***

Dear Ms. Prowell and Ms. Yuen,

Thank you for your letter dated April 6, 2020 (April 6<sup>th</sup> Letter). We have reviewed it and the Fourth Five-Year Comprehensive Review: Former McNamara and Peepe Lumber Mill (2020 5-Year Review). As you know, the Humboldt Bay Municipal Water District (District) supplies drinking water to approximately 88,000 people in Humboldt County and has continually expressed concern about potential contamination migrating from the former McNamara & Peepe property (the Site) into the Mad River and contaminating the District's water supply.

As discussed in greater detail below, the history and timeline of events at the Site show that DTSC has failed to make aggressive remediation a priority, despite the Site's proximity to the Mad River, the District's drinking water supply, and private wells. Further, DTSC has never performed a risk assessment for the risk presented by dioxin in water, despite acknowledging the Site's proximity to the Mad River and potential for contamination to migrate to the District's drinking water supply. Because of this, the level of risk to the District's drinking water supply is unknown. Additionally, there is no guarantee that the Site goal for dioxin in water will be protective of human health, given it is not based upon a risk assessment for the Site which accounts for the potential for contaminated water migrating from the Site to the District's drinking water supply. These shortcomings are further exacerbated by the fact DTSC does not plan to adequately investigate the extent of dioxin migration. Therefore, a risk analysis for dioxin in water must be performed, and site investigations must include sampling and monitoring surface water, soil, and nearby private wells. Finally, the District has ongoing concerns that DTSC is either willfully or negligently failing to provide transparent information regarding the Site.



The District requests a meeting with DTSC, to include Deputy Director Grant Cope, no later than August 31, 2020 to discuss its concerns and to ensure that DTSC prioritizes aggressive investigation and remediation of the Site without continued delay.

**1. Due to the level of contamination and proximity to the Mad River, DTSC must prioritize aggressive investigation and remediation actions at the Site.**

**a. The Site has a history of protracted remediation actions.**

The Site is located approximately one quarter mile north of the Mad River and 550 feet from Hall Creek.<sup>1</sup> Lumber operations began at the Site in 1949. A dip tank was installed in 1967. From 1967 to 1984, lumber was treated with chemical fungicides containing pentachlorophenol (PCP) and tetrachlorophenol (TCP) at 3 locations. The chemical fungicide also contained byproducts of dioxins. Lumber was submersed in PCP in dip tanks located in the green chain building from 1967 to 1981 and in a new dip tank at the southern end of the Site, beginning in 1981.<sup>2</sup> PCP was also sprayed on lumber at the planer chain building.

The environmental damages associated with discharges from the Site have long been known. A fish kill in October 1968 was attributed to PCP discharged from the Site. This event led the North Coast Regional Water Quality Control Board (NCRWQCB) to establish waste discharge requirements (WDRs) for the Site, which stated that no wood preservatives, fungicides, or other toxic materials should be discharged in such a manner that they could reasonably be expected to be carried into the waters of the State. In December 1979, the NCRWQCB observed overspray and drippings from the spray system at the planer chain building falling onto the soil beneath that building. In February 1981, the NCRWQCB sampled surface water runoff draining from the Site and found PCP concentrations at 200 µg/L,<sup>3</sup> resulting in a notice of violation. Then in June 1981, PCP was spilled at the green chain building. Subsequently, the dip tank operation at the green chain was dismantled, and a new dip tank was set up in the southeastern portion of the Site. Lead and PCP exceedances in October 1984 resulted in a notice of violation in March 1985. As the Site's owner was financially unable to comply with the notice of violation's correctional requirements, the California Department of Health Services (DHS) performed interim remedial measures in October 1985 because DHS recognized "the potential for a release of hazardous substances from the dip tank and deteriorating drums to the Mad River, which is used as a drinking water supply, and because of the potential for public exposure to the chemical fungicide in the dip tank."<sup>4</sup>

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<sup>1</sup> Hall Creek runs along the southern side of the Site before converging with the Mad River. DTSC's documents appear to refer to Hall Creek as Mill Creek.

<sup>2</sup> This area now a separate DTSC site: the McNord Lumber Co., site no. 12240047, at 1610 Glendale Drive, APN 516-151-019.

<sup>3</sup> The maximum contaminant level (MCL) for PCP is 1.0 µg/L.

<sup>4</sup> Trans Tech Consultants, Final Remedial Action Plan (Nov. 1994), p. 3-3.

Remedial investigations occurred from 1987 through 1989, but a remedial action plan was not prepared or approved until 1994. The 1994 Final Remedial Action Plan recommended installation of the concrete cap (cap) to prevent PCP and TCP in the soil beneath the green chain from being discharged to groundwater or to surface waters draining from the Site. At the time, there appeared to be no significant impacts to groundwater. A risk assessment was prepared for dioxins and PCP; however, the dioxin risk assessment only analyzed the risk presented by dioxin in soil. Four years later, in March 1998, the remedial actions were completed, and DTSC issued a remedial action certification.

Surface water sampling occurred from 1997 to 2002 when the NCRWQCB rescinded the stormwater sampling requirement due to a decreasing trend in low levels of PCP and TCP. Groundwater sampling has occurred at varying rates of consistency since 1997. Until 2001, no PCP or TCP contamination was detected in groundwater. In 2001, PCP was detected in several groundwater monitoring wells. After Blue Lake Forest Products terminated operations at the Site, groundwater levels rose significantly as a major well at the Site was no longer used. The elevated groundwater came into contact with the contaminated soil beneath the cap, causing the contaminants to mobilize in groundwater. In 2005, grab sample GW-7 had a PCP concentration of 16,000 µg/L. On April 22, 2008, DTSC issued an Imminent and Substantial Endangerment Determination, Docket No. I&SED 07/08-009. DTSC determined “there may be an imminent and substantial endangerment to the public health or welfare or to the environment” and that “response action is necessary at the Site because there has been a release or there is a threatened release of a hazardous substance.”

The above led to a determination in the 2008 5-Year Review that the cap did not “appear to be functioning as intended with regards to protection of groundwater resources.” The 2008 Five Year Review recommended a feasibility study/remedial action plan be developed to assess remedial alternatives and that the “next 5-year comprehensive review should be conducted after the implementation of the approved remedial alternative.”

However, six years later, the subsequent 2014 5-Year Review made the same recommendation, reflecting no remedial action was taken despite the 2008 finding that the cap was not protective of groundwater resources and the potential for “imminent and substantial endangerment to the public health or welfare or to the environment.”

In December 2018, DTSC rescinded the 1998 Remedial Action Certification, finding “soil and groundwater contamination at the Site is not under control and the implemented remedial actions are no longer protective of human health and the environment.” PCP concentrations currently remain high. As recently as the last groundwater sampling at the Site, which occurred in August 2019, PCP was reported at 1,200 µg/L at MW-1 and 110 µg/L at MW-12, both far in excess of PCP’s MCL.<sup>5</sup>

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<sup>5</sup> The District would like to correct section 5.3 of the 2020 5-Year review. Table 3, not Table 2, includes groundwater analytical results from 2015-2019. Additionally, the August 2019 sampling event resulted in the highest detection of PCP at 1,200 µg/L, not the May 2016 event at 1,100 µg/L.

The 2020 5-Year Review states that in July 2019 DTSC accepted a remedial action plan amendment prepared by Apex Companies, LLC; however, the District is unable to locate the accepted amendment on EnviroStor. Please forward a copy of the amendment to the District for review and post on EnviroStor.

**b. The potential for the Site to contaminate the Mad River and the District's drinking water supply is well recognized.**

As noted, the District provides drinking water to approximately 88,000 people, approximately two thirds of the population of Humboldt County. The Mad River lies approximately one quarter mile south of the Site, and the District's intake wells are located about one mile downstream of the Site.<sup>6</sup> Water from the Site can drain into the Mad River through multiple pathways.

A surface drainage ditch on the Site drains into Hall Creek, which discharges into the Mad River. The 1994 Final Remedial Action Plan specifically confirmed that "[b]ecause tributary streams have the potential for becoming contaminated with surface runoff, the Mad [R]iver is a threatened resource."

Additionally, groundwater at the Site flows south towards the Mad River. As stated in section 6.2 of the 2020 5-Year Review, "due to the impact to groundwater and the possible migration of the groundwater plume downgradient to the Mad River which serves as a drinking water source for Humboldt County, there is potential for exposure through drinking water."

Further, it may be possible that groundwater at the Site feeds either the drainage ditch or tributaries to the Mad River. Depth to groundwater is typically about 7-10 feet along the southern edge of the Site, and the depth of the drainage ditch in that area is estimated to be 2-3 feet. Upon intense and sustained rainfall events, potential exists for groundwater to feed water in the ditch through subsurface travel from a temporarily elevated water table. If this occurs, groundwater contamination would likely reach the Mad River faster and in higher concentrations than if it flowed underground to reach the Mad River.

In light of the well-recognized potential for contamination from the Site to drain into the Mad River and the District's drinking water supply, DTSC must aggressively investigate and remediate contamination arising from Site. The fact much of the surrounding area has been proposed for construction and development heightens the urgency as ground disturbance may exacerbate these risks by exposing and disturbing contaminated soil.

**2. DTSC's Site goal for dioxin in water must be based upon a risk assessment.**

The 2020 5-Year Review sets the Site goal for dioxin in water to the MCL (30 pg/L), rather than the public health goal (PHG) (0.05 pg/L), with no evidence to assure the public that this level of

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<sup>6</sup> Specifically, Collector 4 is located 1.1 miles downstream of the Site.

contamination will not endanger human health or the environment. As noted above, the 1994 risk assessment with respect to dioxins was limited to ingestion of or dermal contact with soil. Ingestion of water was not considered.

All parties agree that water leaving the Site may reach the Mad River, the District's drinking water supply. In addition, contamination has been migrating in groundwater and may be impacting private wells on nearby and adjacent parcels. Aerial photos show that the pumphouse for a private well on one adjacent property is directly across the drainage ditch from the cap (and near MW-12). To the District's knowledge, a risk assessment has never been performed to determine the risk that dioxins pose to the private wells in the neighborhood either.

In light of the changed circumstances at the Site, including the migration of contaminants through groundwater, DTSC must undertake a risk assessment for dioxins in water and set the site cleanup goal based on that analysis. There is no guarantee that application of the MCL<sup>7</sup>—which is 600 times greater than the PHG—will be protective of the District's drinking water supply. There is no justification for arbitrarily setting the goal at such a high level without foundation. At the Georgia Pacific Lumber site in Fort Bragg (site no. 23240008), the water quality objective was set to the PHG, not the MCL. DTSC has not provided any explanation why setting the project goal to meet the PHG was feasible at the Georgia Pacific Lumber site but not here. Given the proximity to the District's drinking water supply, remediation goals must be as aggressive and protective of human health and the environment as possible and be based upon a scientific assessment of these site-specific risks.

To ensure future decisions and actions are properly informed, the District demands a risk assessment be prepared within 6 months of DTSC receiving the lab data for the next groundwater and surface water sampling event. The District requests that upon completion of a risk assessment for the risks presented by dioxin in water, the analysis be submitted to the District for concurrence.

**3. Adequate sampling and monitoring must be done to inform aggressive remediation.**

In addition to completing a risk assessment, DTSC must undertake adequate sampling of all contaminants of concern across all potentially effected media to determine the extent of the contaminant plumes. The 2020 5-Year Review only recommends sampling for dioxins in downgradient wells.<sup>8</sup>

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<sup>7</sup> The District notes that, while the text of the 2020 5-Year Review correctly states the MCL for dioxins is 30 pg/L (pages 16-17 of the pdf; the report itself is not paginated), Table 6 incorrectly lists the MCL as 30 µg/L, which is an error of 6 orders of magnitude.

<sup>8</sup> The District would like DTSC's assurance that MW-5, directly downgradient of the green chain area, will be repaired or replaced. The recent reports state that the well monument was rusted shut and precluded sampling in August 2019. Based on its location and current contaminant levels, it is imperative that this well be operational or replaced.



Soil and surface water testing in the drainage ditch and Hall Creek must occur to determine whether contamination is directly traveling to the Mad River via surface water runoff or from heightened groundwater levels feeding the drainage ditch. In the drainage ditch, DTSC should sample soil and surface water in the vicinity of MW-1. DTSC has calculated that the estimated TEQs for dioxins in groundwater in MW-1 and MW-10 exceed the PHG, and levels at MW-1 exceed the MCL as well. This demonstrates that a dioxin plume of contaminated groundwater has migrated to the south, past the drainage ditch and beneath private residences south of the Site. Accordingly, the wells of nearby private residences must be monitored as well. As noted, one private well is directly across the drainage ditch from the cap, demonstrating the potential for these wells to pull in contaminated groundwater.

DTSC contends dioxins do not mobilize in groundwater due to their affinity to strongly sorb to soil. While this may reflect dioxins' typical properties, such statements fly in the face of actual data arising from the Site. It is possible that co-contamination with hydrocarbons has increased the solubility and mobility of the dioxins. Alternatively, fine particles may be moving through groundwater, transporting sorbed dioxins in the process. Regardless of the mechanism, sampling since 2019 has repeatedly shown the presence of dioxins in groundwater. The MCL for dioxins has been exceeded at MW-1 and the PHG exceeded at MW10. Additionally, dioxins were detected in low levels in groundwater on an adjacent property that used to be part of the Site. Thus, arguing that dioxins do not typically migrate in groundwater fails to address the reality that they are doing so here.

DTSC has further alleged that the cap continues to serve the function of preventing contaminant discharge into surface water. The basis for this assertion is indeterminable. Surface water has not been sampled since 2002 when Site conditions were significantly different. At this point, the Site's history is rife with incorrect assumptions. DTSC assumed that the cap would be protective of groundwater, but it has completely failed in this capacity. DTSC further assumes dioxins should not be present in groundwater due to their hydrophobic nature, yet they are. Considering the potential risk to public health, it is irresponsible of DTSC to exclude surface water sampling based on the assumption that the cap is protective of that resource.

In light of the above, the District demands that, in addition to groundwater well sampling, surface water, soil, and private wells be sampled. Knowing the full extent of contamination is a prerequisite for developing an effective remediation plan, which must be carried out aggressively to mitigate any risks to the District's drinking water supply. In 2019, the District requested quarterly sampling occur. The District reiterates that request here to better investigate contamination concentration variability throughout the year due to the rise and fall of water table.

#### **4. Investigation and remediation activities must include the former McNord Property.**

In addition to the above, sampling must be conducted at the former McNord property where PCP was detected in groundwater at 0.49 ppb in 2003. The former McNord property is the site of the second dip tank, where PCP was applied from approximately 1981 to 1984. An application for

voluntary oversight was submitted by the property owner to DTSC and the NCRWQCB on October 24, 2019; to date, no work has been performed under this agreement. This agreement must be signed and implemented.

**5. The District's concerns regarding lab results must be addressed.**

**a. DTSC must require lower laboratory reporting limits.**

The District expressed concern that DTSC is permitting dioxin sampling procedures that result in inaccurate or opaque results because reporting limits of 52 pg/L or 110 pg/L were used, which are 4 to 5 orders of magnitude higher than the PHG. DTSC asserts that the District's request to use reporting limits that match the PHG cannot be achieved but admitted a detection limit of 5 pg/L is feasible. Despite stating 5 pg/L is feasible, DTSC did not commit to ensuring this detection limit would be used, instead stating that it would work to find a lab that can reach the detection limit of 30 pg/L or slightly lower. This is greatly concerning because the District disputes that 5 pg/L is the lowest feasible reporting limit and because the circumstances warrant utilizing the lowest reporting limit possible.

With respect to feasible reporting limits, Frontier Analytical Laboratory (Frontier) has been recommended to the District. Frontier provides a detection limit of 0.155 pg/L, far below the 5.0 pg/L reporting limit asserted by DTSC. Further, in its July 26, 2019 email to DTSC, ERRG specifically listed Torrent Laboratory, Inc. (Torrent) as a potential lab for the dioxin analysis; according to the information provided by ERRG, Torrent is able to reach the 0.05 pg/L reporting limit. This demonstrates that far more accurate testing is feasible than alleged by DTSC.

Given the PHG for dioxins is 0.05 pg/L, the lowest possible reporting limit should be used to quantify the risk as accurately as feasible. DTSC provides no justification for its resistance to pursuing the lowest limit that is feasible and warranted in light of the potential for contamination to reach the District's drinking water supply. Additionally, the outcome of the necessary risk assessment may well demonstrate that the project goal must be lower than the MCL of 30 pg/L. As noted above, the goal for the Georgia Pacific Lumber site was set to 0.05 pg/L, the PHG. Testing needs to reflect this potential and provide the most accurate data possible. The District fears that by seeking to rely on excessively high reporting limits, it is DTSC's intention to continue to characterize sampling results above the PHG, but below the MCL, as "nondetect" and obscure the true scope of the risk. Accordingly, the District demands that a laboratory that can achieve the appropriate reporting limits, such as Torrent or Frontier, be used going forward.

**b. Test America should not be used in the future.**

Uncertainty regarding the MW-10 results in the December 2019 Groundwater Monitoring Report arises in part from the fact that compounds were detected in the method blanks; DTSC and Test America speculate that the compounds in MW-10(FD) are lab artifacts. The failure to provide a proper

method blank is inappropriate. In the future, another lab should be used to ensure accurate test results. The District and the surrounding community are entitled to accurate results and transparent reports. Inaccurate results should not provide an opportunity to strike data and misrepresent risks.

**6. DTSC should refrain from referencing the 2003 Phase II because it in no way reflects current conditions.**

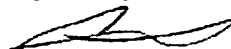
The District is increasingly alarmed that DTSC continues to cite to the 2003 Phase II conducted at the Site by Winzler & Kelley as though it reflects current conditions. The April 6<sup>th</sup> Letter includes a paragraph summarizing the results of the 2003 Phase II, stating PCP concentrations were no higher than 0.49 µg/L, and fails to provide any further discussion of the significant changes in Site conditions which led to PCP readings as high as 16,000 µg/L in 2005 and that remain at 1,200 µg/L in the most recent groundwater monitoring report. More concerning, in 2019, DTSC relied on the 2003 Phase II in providing a comfort letter to APN 516-111-064, which led to confusion in local planning deliberations as to whether that specific parcel was unquestionably safe to develop due to the trust local planners put in DTSC.

Reliance on the 2003 Phase II is inappropriate based on the fact that it is nearly 17 years old and, as such, is significantly outdated. Moreover, DTSC is well aware that Site conditions have deteriorated dramatically since 2003. The past three 5-Year Review Reports have discussed how rising groundwater has caused contaminant migration in groundwater, culminating in DTSC's 2018 rescission of the Site's Remedial Action Certification. There is no question that the 17-year-old 2003 Phase II does not reflect these changed conditions. Accordingly, the District finds DTSC's reference to the 2003 Phase II to be disingenuous and indicative of DTSC's abrogation of its duty to protect California's people and environment from harmful effects of toxic substances. The District demands that DTSC refrain from further references to the 2003 Phase II as indicative of current contamination conditions on the Site or surrounding parcels.

\* \* \* \* \*

Thank you for your time and consideration of this matter. Given the extreme toxicity of dioxin, DTSC's failure to determine the extent of the contamination or develop an effective remediation plan, and the District's need to protect the community's water supply, we look forward to your response and meeting via teleconference or videoconference to discuss and address the District's concerns. Please do not hesitate to contact me with any questions or concerns.

Respectfully,



Anne Baptiste

cc: Humboldt Bay Municipal Water District

**TLG** Thomas Law Group

Meredith Williams, Director, DTSC  
Grant Cope, Deputy Director, DTSC  
Office of Governor Gavin Newsom  
Mike McGuire, Senator, District 2  
Jim Wood, Assemblymember, District 2  
California Department of Fish and Wildlife  
North Coast Regional Water Quality Control Board  
Humboldt County Board of Supervisors  
John Ford, Director, Humboldt County Planning & Building  
Humboldt Baykeeper



## Possible DTSC Discussion Topics

1. Will DTSC include the following in the next sampling event (or no later than the December 2020 sampling event)? If not, what is its justification in terms of protecting the District's water supply?:
  - a. PCP, TCP, and dioxins in
    - i. MW-1, -5, -8, -10, 12 (chromium VI, VOCs, and TPH-d at these sites as well)
    - ii. Soil and surface water in the drainage ditch near MW-12
    - iii. Soil and surface water in Hall Creek
    - iv. Private wells in adjacent properties
  - b. The former McNord property
2. The District expects DTSC to reinstitute quarterly sampling for the above beginning in 2021.
3. Does DTSC intend to add additional downgradient groundwater monitoring wells?
4. The District expects a risk assessment for dioxin in the District's drinking water to be performed within 6 months of groundwater, soil, and surface water sampling and no later than July 2021. The District further demands the site's cleanup goal be revised accordingly after the District has had the opportunity to review and concur with the risk assessment.
5. The District also requests a risk assessment for PCP in the District's drinking water supplies. The 1994 Risk Assessment does not include this evaluation.
6. What is DTSC's plan to aggressively remediate contamination at and leaving the site?
  - a. At what point will DTSC commit to having remedial action plans prepared and pilot studies undertaken?
  - b. Estimated timeline for completion?
7. When will DTSC sign the voluntary oversight application submitted by Tanja Baker and Alexa Davis for the McNord property?
8. Will DTSC cease using Test America for lab analysis at the site?
9. Will DTSC use Torrent or Frontier Analytical Laboratory for sample testing at the site and commit to using a detection limit of 0.155pg/L or less for dioxin moving forward?
10. Will DTSC cease using the 2003 Phase II report as justification for current site conditions?

FEDERAL ENERGY REGULATORY COMMISSION  
Office of Energy Projects  
Division of Dam Safety and Inspections – San Francisco Regional Office  
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July 24, 2020

H.B.M.W.D. AUG - 5 2020

In reply refer to:  
Project No. 3430-CA

Mr. John Friedenbach  
General Manager  
Humboldt Bay Municipal Water District  
PO Box 95  
Eureka, CA 95502-0095

Subject: Ninth Part 12D Independent Consultant's Safety Inspection Report – R. W. Matthews Dam

Dear Mr. Friedenbach:

Three copies of the Ninth Part 12D Independent Consultant's Safety Inspection Report (Report) for R. W. Matthews Dam, which is part of the R. W. Matthews Dam Project, FERC No. 3430, are to be submitted to this office by November 1, 2021. CFR 18, Part 12, Subpart D of the Commission's regulations prescribes the scope of the Independent Consultant (IC) evaluations and field inspection, as well as the information that must be contained in the Report. An electronic version of the Report in a searchable format should also be included with the submission. **To ensure that the Report will not be rejected you are encouraged to take time and review these responsibilities and our guidance as some requirements have changed.** Enclosure 1 is a bullet list highlighting the changes in the Part 12D process discussed in this letter. Your responsibilities as the Licensee, as well as those for your IC, are discussed in more detail in Enclosure 2; and the Report outline to be used by the IC is included as Enclosure 3. We have posted an update to Chapter 14, Appendices J and K, Dam Safety Performance Monitoring Plan and Report; and encourage you to review these updated Engineering Guidelines located at:

<http://www.ferc.gov/industries/hydropower.asp>

We have noticed a disturbing trend within the industry regarding the lack of attention to some of the Part 12D requirements. The FERC will participate in two calls with you during the process of developing a Part 12D report to go over our expectations for the Report as well as those of your Independent Consultant (IC). The first call will

occur shortly after you receive this letter. Having this call early in the Part 12D process should help you frame the scope of work entered into with your IC. The second call will occur at least 90 days before the Potential Failure Modes Analysis (PFMA) review discussed below and will be conducted with your IC also participating.

You are reminded that failure to conform to the requirements of the Part 12D process will result in rejection of the Report.

### **Potential Failure Modes Analysis Update Requirements**

Section 1 of your Supporting Technical Information (STI) document should be a PFMA report completed during a previous submittal under the Part 12D process. During a FERC-wide reevaluation of Potential Failure Modes (PFMs), we discovered that many still do not meet the expectations that we have for complete PFMs. You should be aware that it is likely that many of the existing PFMs may require revision in order to describe more fully the actual mode of failure. Each PFM must have a specific loading condition, mode of failure, defined consequence to public safety, and category. To that end, we are requiring you to set up a telephone conference or a face-to-face meeting at least 90 days prior to the PFMA review with your independent consultant to discuss our expectations for the PFMA review. During this meeting, we will review the level of effort required for the PFMA review, as discussed in our first telephone call. This effort could range from simply reviewing the PFMA Report, to performing a complete revision of the PFMA process overseen by a Facilitator.

Enclosure 4 provides an outline of the topics to be discussed during the initial call with this office. Enclosure 5 provides an outline for additional topics to be discussed during this second call/meeting between your IC, your staff, and the FERC.

For more information on how to complete well-developed PFMs, please refer to our website at:

**<http://www.ferc.gov/industries/hydropower/safety/initiatives/pfms.asp>**

For additional information regarding the entire PFMA process, please reference Chapter 14 of our Engineering Guidelines, which are available at:

**<http://www.ferc.gov/industries/hydropower/safety/guidelines/eng-guide.asp>**

### **Project Features**

Commission Regulations require that the project works of a development subject to Part 12, Subpart D of the Commission's Regulations be inspected and analyzed periodically by an IC. This includes all dams and all principal works of the development. If applicable, the IC's inspection should also include inspecting the spillway apron for undermining. The

↑ following dams and all associated appurtenant water retaining structures require inspection at your project: ↑

- R.W. Matthews Dam

The PFMA report was submitted as part of the revised September 28, 2016 STID. The 2016 PFMA workshop resulted in 5 Category IV, 5 Category II, and 3 Category III PFMs. Our review of 2016 PFMA workshop indicates that the existing Category II PFMs may require further development during the next PFMA Workshop. In addition, per the normal PFMA workshop procedures, any possible new PFMs should be discussed and the Category IV PFMs along with all previous PFMs not developed, should be re-evaluated.

The ongoing recommendations from the Eighth Part 12 Report should be addressed by the IC including the following recommendations:

- The Exemptee should conduct stability analyses to determine the dam's ability to perform under a maximum considered event on the Cascadia Subduction Zone of a M 9.2 and PGA of 0.7g.
- The Exemptee should update construction file drawings in the STID with as-built drawings and updated drawings that were presented in the 2018 Spillway Specific PFMA Workshop.

### IC Approval

You must obtain approval of your proposed IC(s) prior to the initiation of the field inspection. You should eFile your letter requesting approval of the IC (together with the proposed IC's detailed résumé) addressed to:

Mr. Dave Capka, P.E., Director  
Division of Dam Safety and Inspections  
Federal Energy Regulatory Commission  
Office of Energy Projects  
888 First Street, N.E., Room 6N-01  
Washington, D.C. 20426

By regulation, the request for the approval of the IC and the resume are to be filed at least 60 days prior to the initiation of the safety inspection. In order to allow your IC adequate time to inspect your project and prepare the Report, we request that you submit the request letter and resume at least six months before the Report is due; that is, by May 1, 2021.



The first Report for newly constructed projects or projects where a major dam safety remediation has recently been completed may be done by the design engineer or an engineer from the design engineer's firm. The next Report must be completed by a different engineer not associated with either the design or construction firm. Subsequent Reports may be completed by an engineer associated with the design, construction, or remediation work. However, an engineer or engineers from the same firm will not be approved as the IC for more than two consecutive Reports for any project. We will be contacting you shortly after you receive this letter to coordinate a teleconference or meeting prior to selecting an IC. This meeting will serve to coordinate any outstanding issues, studies, discuss the condition of the existing PFMA, and otherwise gain an understanding of our expectations for the inspection. This will enable you to better develop a complete scope of work for the IC.

Once the IC has been approved, it is your responsibility to provide the IC with copies of, or access to, all project files well in advance of the field inspection. You should include file review in your scope of work and strongly encourage the IC to adequately prepare for the field inspection by adequately reviewing all the pertinent background information for the project in advance. Inadequate preparation of your IC may result in the need to reschedule the inspection until they are properly prepared to perform a thorough inspection.

### **Report**

It is critically important that the IC review, evaluate, and comment on the appropriateness and current validity of all the previous analyses located in Section 8 of the STI. Section 7 of the Report should contain your IC's detailed assessment of the STI including the PFMA report. (See Chapter 14, Appendix H, Section 7.0, page 14-H-13) Acceptable technical criteria are prescribed in FERC's Engineering Guidelines. If needed, this publication can be downloaded from our website at:

**<https://www.ferc.gov/industries-data/hydropower/dam-safety-and-inspections/risk-informed-decision-making-ridm-2>**

The Report outline to be used by the IC is also included as Enclosure 3 and a copy of 18 CFR 12D can be obtained from the following link:

**<http://www.ferc.gov/industries/hydropower/safety/guidelines/part12-regs.pdf>**

### **Report Follow-Up**

If the IC makes specific recommendations in the Report, Section 12.39 of the Code of Federal Regulations requires you to submit to us, within 60 days of the date the Report is filed, your plan of action and schedule to satisfy these recommendations. It is also necessary to confirm your agreement with the IC's recommendations to continue any ongoing measures (e.g. annual settlement survey) specifically identified in the Report.

Your plan of action may include any proposal, including taking no action, that you consider a preferable alternative to any corrective measures recommended by the IC in the Report. However, any proposed alternative must be supported by complete justification and detailed analysis and evaluation in support of that alternative.

### **Unresponsive Reports Will Be Returned**

We have noted several instances lately within the industry where an IC did not make "*a clear statement that they have reviewed the pertinent analyses and evaluations along with the underlying assumptions and that they have concluded that the assumptions and methods of analysis or evaluation were appropriate for the structure, were applied correctly and are appropriate given current guidelines and the state of dam safety practice*" as is required by the Commission's Guidelines. A general statement is not acceptable. The Report should indicate in each section that this review and concurrence has been completed. Please ensure that the Report fulfills this requirement, as unresponsive Reports received by this office will be returned for resubmittal.

The Commission's dam safety program is a cooperative process that includes the licensee, the IC, and the FERC. The most important of the three elements is the licensee, as they operate the dam, see the dam on a regular basis, and are responsible for the surveillance and monitoring plan used to determine if a potential failure mode is developing. It is the licensee's responsibility to submit the IC's Report to the FERC and ensure that the Report meets the requirements of the Commission's Regulations and Guidelines before it is submitted. The Report is a FERC requirement and a valuable resource for you as the dam owner. Enclosure 2 provides a more complete discussion of the requirements of the Commission's Regulations and Guidelines.

If you have any questions regarding this letter or Enclosures, please do not hesitate to call me at (415) 369-3318. Your support is critically important and I am available to discuss any concerns or comments that you may have.

Sincerely,



Frank L. Blackett, P.E.  
Regional Engineer

#### Enclosures:

1. Changes to Part 12D Process
2. Licensee and Independent Consultant Responsibilities
3. Part 12D Safety Inspection Report Outline
4. Part 12D Initial Conference Call Agenda
5. 90 Day Pre-Meeting Agenda Conference Call

# CONTINUING BUSINESS

To: Board of Directors  
From: John Friedenbach  
Date: August 6, 2020  
Subject: Water Resource Planning (WRP) – Status Report



The purpose of this memo is to summarize recent activities and introduce next steps for discussion.

**1) Top-Tier Water Use Options**

**a) Local Sales**

Nordic Aquafarms – received EDA grant application support letter.

Trinidad Rancheria – Received response from the Rancheria to District letter dated June 30th. See copy of letter attached. They have requested making a PowerPoint presentation at our Board meeting. See attached. Staff has compiled the list of prior engineering studies regarding a possible water line extension to the Trinidad area. See attached summary.

Staff issued requests for EDA grant application support letters to various local entities to include with our submittal seeking funding for rehabilitating Station 6. We have received several and others are in process.

A status report from Samoa Peninsula Stakeholder Group working group is scheduled to be presented to the Board of Supervisors (possibly in August) prior to issuance of the formal written report.

**b) Transport**

Informational letters regarding this option were sent to Congressman Doug LaMalfa, California's 1<sup>st</sup> District and Brenda Burman, Commissioner for the Bureau of Reclamation. Both were speakers during the ACWA July virtual conference.

**c) Instream Flow Dedication**

At the May Special Board meeting the draft project description was approved. The next steps are to share the project description with the Water Task Force, Water Resource Planning Advisory Committee, NMFS and CDFW(July 8<sup>th</sup>) prior to taking it to the Water Board staff. Staff and the Instream Flow Committee are scheduled to review the draft project narrative with NMFS on August 12<sup>th</sup>. The Committee will report out at the Board meeting.





August 6, 2020

Humboldt Bay Municipal Water District  
Sherri Woo, President  
John Friedenbach, General Manager  
P.O. Box 95  
Eureka, CA 95502-0095

Dear Board of Directors,

On behalf of the Cher-Ae Heights Indian Community of the Trinidad Rancheria, I would like to thank you for your response to our letter of June 4, 2020, regarding water service. We agree this is a complex issue and are prepared and look forward to working through the various components with other affected parties to analyze the feasibility of the extension.

Please find below the information the Board requested to initially move forward as identified in your letter of June 30, 2020, and our responses to those requests:

1) **The quantity of water needed which includes the build out of our Comprehensive Plan**

The Tribe hired the Wright Group as the developer for the hotel project in 2017 and they subcontracted with Thalden Boyd Emery Architects (TBE) for the design and engineering of the hotel. TBE contracted with FEA Consulting Engineers to analyze the water usage for the Hotel Environmental Assessment and the following statement was made in their letter of May 8, 2019:

*"We estimate that the **maximum** water use per day will be 14,184 gallons per day. The calculations were based off of our previous experience in hotel design and construction. **Should the owner decide to implement a grey water recovery system to supplement the guest room toilets, they could see up to a 15% reduction in water used per day.**"<sup>1</sup>*

Based on review and research from resources and our engineers, we estimate the future water need to be approximately 20,000 gallons per day (gpd). This would include the Casino, Hotel, and Tribal Office Complex as well as future development of the RV Park, Gas Station/Mini-Mart, and Community Center.

2) **Regarding our timeline for obtaining water service from HBMWD**

We realize and understand that a project of this magnitude will require planning, preliminary design and engineering, permitting and then final design and construction. We would like to move this forward as soon as possible, but anticipate that it could be a slow process depending on where the pipeline is located. We are hesitant to put forth any dates at this time, but would anticipate a 5-year project.

---

<sup>1</sup> FEA Consulting Engineers Letter to TBE Architects, May 8, 2019

3) **Engineering analyses relevant to our water consumption needs.**

We have the projection from our developer for our build out as outlined in our Comprehensive Plan which includes the 100-room hotel, as stated above. The basis for our analysis is the Water System Design Manual guidance (see link below). Please note that the reduction in water estimated for the hotel is due to the installation of a grey water system.

[http://wiki.watermissions.org/\(S\(jnbqm14501134245no2rmwnp\)\)/GetFile.aspx?Page=MainPage&File=design\\_manual\\_chapter\\_5-WATER%20DEMAND%20REQUIREMENTS.pdf&AspxAutoDetectCookieSupport=1](http://wiki.watermissions.org/(S(jnbqm14501134245no2rmwnp))/GetFile.aspx?Page=MainPage&File=design_manual_chapter_5-WATER%20DEMAND%20REQUIREMENTS.pdf&AspxAutoDetectCookieSupport=1)

4) **Project Funding**

The possible waterline extension from HBMWD to the Trinidad Rancheria could be funded from leveraging grant funds, tribal economic revenues and possibly loans if needed.

5) **Government to Government Consultation**

HBMWD has asked the Tribe to clarify how we are using the term “Government to Government Consultation” relative to the Tribe’s request to HBMWD to extend the existing HBMWD waterline to the Trinidad Rancheria. The concept of Government to Government Consultation is rooted in the relationship between Indian tribes and the United States. The federal government and the State of California both acknowledge that they have a government to government relationship with Indian tribes, and both federal and state agencies are directed to consult and work with tribes on a government to government basis. President Clinton formally acknowledged the federal government’s special relationship with tribe in Executive Order 13175 (November 6, 2000), which directs federal agencies to engage with meaningful consultation with tribal officials. On September 19, 2011, Governor Brown issued Executive Order B-10-11, which recognized that “the State and Tribes are better able to adopt and implement mutually-beneficial policies when they cooperate and engage in meaningful consultation, and that “the State is committed to strengthening and sustaining effective government to government relationships between the State and the Tribes by identifying areas of mutual concern and working to develop partnerships and consensus.” The Brown Executive Order, which was reaffirmed by Governor Newsom in Executive Order N-15-19, further recognized the government to government relationship between the State and Tribes, and directs that every state agency and department subject to the Governor’s executive control encourage communication and consultation with California Indian Tribes.

Consistent with these executive orders, and the recognition of the government to government relationships, the Trinidad Rancheria has engaged in Government to Government Consultation with state and federal agencies on numerous occasions, and these efforts have often resulted in collaborative approaches and projects that have been disputes but for the respectful and open Government to Government Consultation. This is especially true in the area of natural resources, as is reflected in the California Water Action Plan, which states that “collaboration between federal, state, local and tribal governments . . . is essential.” The Tribe and the City of Trinidad have also collaborated on significant achievements when they have been able to engage in such consultation (e.g. mutually supported improvements to the City’s water system and reconstruction of the Trinidad Pier). Although the HBMWD is not a state agency and is not bound by Executive Order B-10-11, the Tribe believes that Government to Government Consultation between the Tribe and the HBMWD may open the door to significant achievements that provide greater water resource resiliency for the entire region. While there



are some vociferous advocacy groups who oppose Government to Government Consultation when it involves an Indian tribe (notably their opposition does not appear to extend to such dialogue and cooperation between non-Indian governments), we know from experience that intergovernmental consultation and collaboration are keys to good governance and lead to the best outcomes.

The Tribe is mindful of the requirements applicable to public entities under California law, such as the Brown Act restrictions. In 2005, the Governor's Office of Planning and Research (OPR), in the context of Senate Bill 18 (Chapter 905, Statutes of 2004) (known as "S.B. 18"), published Tribal Consultation Guidelines Supplement to General Plan Guidelines (OPR Guidelines), which directly address the question of Brown Act compliance. Although SB 18 may not be directly applicable here, the advice provided in the OPR guidelines is instructive. The guidelines recognize that the Brown Act applies to all local agencies within California and that it would be a violation of California's open meeting laws for a local legislative body to take an action in secret (absent certain exceptions for "closed meetings"). See OPR Guidelines at 27. However, noting that the Brown Act defines a "meeting" as a gathering of a majority of the members of an applicable body to hear, discuss, or deliberate on matters within the agency's or board's jurisdiction, the OPR Guidelines advise that, if a local legislative body participates in confidential tribal consultations, it do so as an advisory committee with less than a quorum, so as to not invoke the Brown Act's requirements of public participation. *Id.*

The Trinidad Rancheria requested Government to Government Consultation because it has proven to be essential to intergovernmental collaboration, and can result in mutually beneficial achievements. The OPR Guidelines provide a path for HBMWD to undertake such a process in compliance with its obligations under the Brown Act, and we urge the District to establish a committee tasked with engaging the Tribe and other governmental stakeholders in a dialogue about the potential extension of the HBMWD's waterline to the Trinidad Rancheria. The Tribe has sought this consultation in good faith, and with the intent to discuss these issues with mutual respect and with the understanding that the Tribe and HBMWD are both interested not only in the interests of our individual members, but in our shared community more broadly.

If it would facilitate these discussions, the Tribe would be happy to reach out to Anecita Agustinez, Tribal Policy Advisor for the California Department of Water Resources to request coordination of such discussions.

6) **SWRCB Change in Beneficial Use Location**

We understand that you will need to work through the process to obtain a change in beneficial use location with the CA State Water Board for your water rights and we will be a strong partner to help accomplish this if needed.

7) **McKinleyville Community Services District (MCSD)**

As per the previous discussion at the June Board meeting, we are more than happy to work with MCSD and understand that the waterline extension would originate from the distribution grid in McKinleyville. We believe Mr. Mayo committed to assist us in any way possible and we look forward to the collaboration.

8) **Customer Classification**

We understand that our customer classification would be based on our projected water usage and the relevant District Ordinance governing service will need to be determined.

9) **Application**

We are agreeable to completing the water main line application at your convenience.

10) **Deposit**

We are willing submit a reasonable deposit and believe a reasonable deposit could be mutually negotiated after we have estimated project costs.

We too look forward to working with you and the District Board to explore the possibility of a reliable water source for the future of our Tribe and Tribal Members. We are committed to being a collaborative partner and appreciate your assistance.

Sincerely,



Garth Sundberg  
Tribal Chairman  
Trinidad Rancheria





SECTION 8.10 PAGE NO. 6  
**HUMBOLDT BAY MUNICIPAL WATER DISTRICT**

828 SEVENTH STREET, PO Box 95 • EUREKA, CALIFORNIA 95502-0095

OFFICE 707-443-5018 ESSEX 707-822-2918

FAX 707-443-5731 707-822-8245

EMAIL [OFFICE@HBMWD.COM](mailto:OFFICE@HBMWD.COM)

Website: [www.hbmwd.com](http://www.hbmwd.com)

**BOARD OF DIRECTORS**  
SHERI WOO, PRESIDENT  
NEAL LATT, VICE-PRESIDENT  
J. BRUCE RUPP, SECRETARY-TREASURER  
MICHELLE FULLER, DIRECTOR  
DAVID LINDBERG, DIRECTOR

**GENERAL MANAGER**  
JOHN FRIEDENBACH

June 30, 2020

Mr. Garth Sundberg  
Tribal Chairman  
Trinidad Rancheria  
PO Box 630  
Trinidad, CA 95570-0630

**RE: Water Line Inquiry**

Dear Chairman Sundberg,

We are writing in response to your inquiry dated June 4, 2020 regarding possible discussions with our water district regarding a potential waterline service to the Trinidad Rancheria (Rancheria). We are amenable to meeting with your Tribal Council and/or staff regarding this possibility. As you are aware, the issue of extending a waterline from the Humboldt Bay Municipal Water District (HBMWD) to the Rancheria is a complex issue that will take time to jointly work through the various components with other affected parties to analyze the feasibility of the proposed extension.

During our Board meeting of June 11, 2020, our staff and board identified as first steps various pertinent facts that need to be determined as our initial analysis begins. They are:

1. What is the quantity of water that is desired by the Rancheria? This needs to take into consideration the full extent of future consumption demand for your ultimate build out of your Comprehensive Community Based-Plan, December 2011.
2. What is your timeline for obtaining water service from HBMWD?
3. Have you conducted any engineering analyses relevant to your water consumption needs? If so, could you kindly share those with us?
4. What is your plan for funding a possible waterline extension from HBMWD to the Rancheria?

Answers to the above questions will allow us to begin our discussions regarding a possible waterline extension from HBMWD to the Rancheria.

In your letter, there was mention of "Government to Government Consultation" between our two entities. During our board meeting of June 11<sup>th</sup> and subsequently, our district has received public comment information regarding the use of this term. As we are a California public municipal water district and subject to the California Brown Act's public meeting requirements and to the California Public Records Act, we respectfully request clarification as to how you are using this term relative to our discussions on the current matter, including any legal authority you believe is relevant to its application to California Special Districts.

In addition to the factual questions identified above, some of the issues that we will need to address to move this request forward are:

- A. As the location of the Trinidad Rancheria is outside our current District boundaries, we would need to work through the process to obtain a change in beneficial use location with the California State Water Board for our water rights.
- B. Since our District-owned infrastructure ends on the south side of the Mad River, the most economical waterline extension would originate from the distribution grid in the McKinleyville Community Services District (MCSD). Should a waterline extension prove to be feasible, we would need to initiate discussions with MCSD at an appropriate time.
- C. Based on the quantity of water desired, your customer classification and relevant District Ordinance governing service will need to be determined.
- D. Water main line application will need to be completed and submitted to the District.
- E. All costs for main line extensions are born by the applicant and require a deposit in advance to cover District costs. Should the Rancheria choose to proceed, a reasonable deposit amount must be received by the District prior to advancing this project, including the feasibility analysis.

We look forward to working with the Rancheria to explore the possibility of providing a high quality and reliable water source to satisfy your needs.

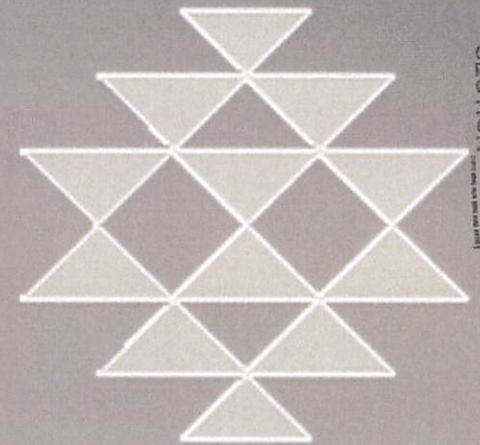
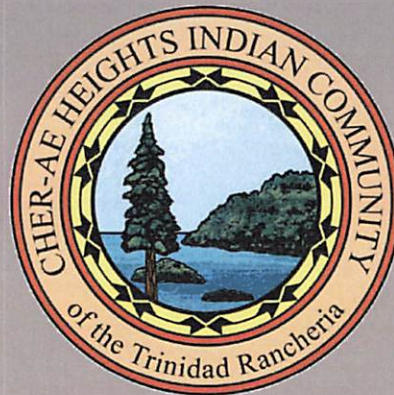
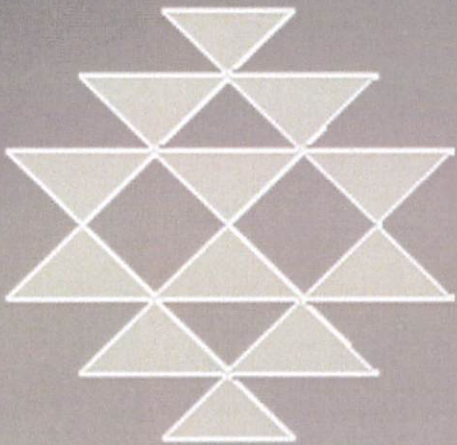
Respectfully,

John Friedenbach  
General Manager

Cc: Jacque Hostler-Carmesin, Chief Executive Officer

# Humboldt Bay Municipal Water District HBMWD

## Trinidad Rancheria Water Request





# Vision Statement

Honoring the Past, Living in the Present, Looking Towards the Future

# Mission Statement

The mission of the Cher-Ae Heights Indian Community of the Trinidad Rancheria is to preserve and promote our cultural and traditional beliefs; improve quality of life and self-sufficiency; uphold tribal sovereignty; create positive partnerships; and protect the environment in order to provide a healthy community, honor our elders, and guide our youth.

# Guiding Principle

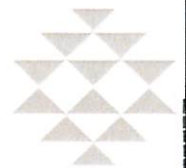
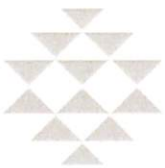
It is with faith in The Creator that we undertake these tasks and it shall be with a spirit of respect and cooperation that we reach these goals.





# Presentation Topics

- Trinidad Rancheria Comprehensive Plan/Master Plan
- Quantity of Water Needed—Including Build out of Comprehensive Plan
- Timeline for Obtaining Water Service from HBMWD
- Engineering Analyses Relevant to Water Consumption Needs
- Government to Government Consultation
- SWRCB Change in Beneficial Use Location
- McKinleyville Community Services District (MCSD)
- Project Funding, Customer Classification, Application, and Deposit



# Comprehensive Plan/Master Plan



# Quantity of Water Needed–Including Build out of Comprehensive Plan

- Based on review and research from resources and our engineers, we estimate the future water need to be approximately 20,000 gallons per day (gpd).
- This would include the Casino, Hotel, and Tribal Office Complex as well as future development of the RV Park, Gas Station/Mini-Mart, and Community Center.

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## Timeline for Obtaining Water Service from HBMWD

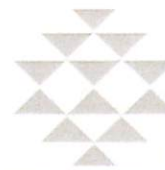
- A project of this magnitude will require planning, preliminary design and engineering, permitting and then final design and construction.
- We would like to move this forward as soon as possible, but anticipate a 5-year project.





# Engineering Analyses Relevant to Water Consumption Needs

- The projection from our developer for our build out is as outlined in our Comprehensive Plan which includes the 100-room hotel.
- The basis for our analysis is the Water System Design Manual guidance (see link below). Please note that the reduction in water estimated for the hotel is due to the installation of a grey water system.
- [http://wiki.watermissions.org/\(S\(jnbqm14501134245no2rnwnp\)\)/GetFile.aspx?Page=MainPage&File=design\\_manual\\_chapter\\_5-WATER%20DEMAND%20REQUIREMENTS.pdf&AspxAutoDetectCookieSupport=1](http://wiki.watermissions.org/(S(jnbqm14501134245no2rnwnp))/GetFile.aspx?Page=MainPage&File=design_manual_chapter_5-WATER%20DEMAND%20REQUIREMENTS.pdf&AspxAutoDetectCookieSupport=1)



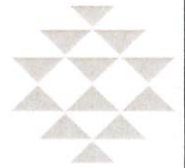


# Government to Government Consultation

- The concept of Government to Government Consultation is rooted in the relationship between Indian tribes and the United States. The federal government and the State of California both acknowledge that they have a government to government relationship with Indian tribes.
- President Clinton issued Executive Order 13175 (November 6, 2000). Governor Brown issued Executive Order B-10-11, which was reaffirmed by Governor Newsom in Executive Order N-15-19.
- This is especially true in the area of natural resources, as is reflected in the California Water Action Plan, which states that “collaboration between federal, state, local and tribal governments . . . is essential.”
- Although the HBMWD is not a state agency and is not bound by Executive Order B-10-11, the Tribe believes that Government to Government Consultation between the Tribe and the HBMWD may open the door to significant achievements that provide greater water resource resiliency for the entire region.

# Government to Government Consultation

- The Tribe is mindful of the requirements applicable to public entities under California law, such as the Brown Act restrictions.
- Although SB 18 may not be directly applicable here, the advice provided in the OPR guidelines is instructive.
- The Trinidad Rancheria requested Government to Government Consultation because it has proven to be essential to intergovernmental collaboration, and can result in mutually beneficial achievements. The OPR Guidelines provide a path for HBMWD to undertake such a process in compliance with its obligations under the Brown Act, and we urge the District to establish a committee tasked with engaging the Tribe and other governmental stakeholders in a dialogue about the potential extension of the HBMWD's waterline to the Trinidad Rancheria.



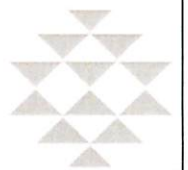
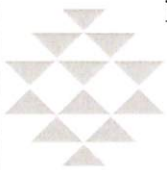
# SWRCB Change in Beneficial Use Location

- HBMWD will need to work through the process to obtain a change in beneficial use location with the CA State Water Board for your water rights and we will be a strong partner to help accomplish this if needed.

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## McKinleyville Community Services District (MCSD)

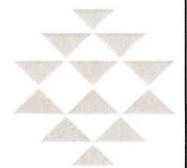
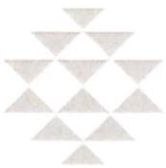
- The Tribe is more than happy to work with MCSD and understands that the waterline extension would originate from the distribution grid in McKinleyville.
- We believe Mr. Mayo committed to assist us in any way possible and we look forward to the collaboration.





# Project Funding, Customer Classification, Application & Deposit

- The possible waterline extension from HBMWD to the Trinidad Rancheria could be funded from leveraging grant funds, tribal economic revenues and possibly loans if needed.
- The Tribe understands that our customer classification would be based on projected water usage and that the relevant District Ordinance governing service will need to be determined.
- The Tribe is agreeable to completing the water main line application.
- The Tribe is willing to submit a reasonable deposit and believe that a reasonable deposit could be mutually negotiated after estimated project costs are known.





# Next Steps

- Move forward in a collaborative manner.
- Build on past work with HBMWD.
- Complete the water main line application.
- Relevant District Ordinance will need to be determined.
- Mutually negotiate and submit a reasonable deposit after we have estimated project costs.



Trinidad Water Supply Reports

	<u>Report Name</u>	<u>BY</u>	<u>DATE</u>	<u>PAGES</u>
1	City of Trinidad Tech Memo #9 Water Feasability Study (supply from HBMWD)	Winzler and Kelly	11/1/2001	24
2	City of Trinidad Preliminary Engineering Report Project Alternatives to improve the operation of the City's water system and to meet state standards	Winzler and Kelly	6/1/2008	81
3	Clean Water at less cost and wth sustainable energy and freedom tanks	Sungnome Madrone	12/8/2008	16
4	Fine sediment sources in coastal watersheds with uplifted marine terraces in Northwest Humboldt County A thesis (Masters)	Stephen Madrone	7/1/2011	93
5	Scope and budget for reconnaissnce level assessment water distrubution Pipeline North to Trinidad area	GHD	4/23/2015	3
6	Letter to Trinidad Rancheria & City of Trinidad re Reconnaissance Level Assessment	HBMWD	5/7/2015	1
7	City of Trinidad Alternative raw water source evaluation (possible pipeline routes)	GHD	9/6/2019	9
8	City of Trinidad Conceptual Hydrological Assessment of the Luffenholtz Creek Watershed	GHD	9/6/2019	12
9	Cityof Trinidad Watershed & Water supply And Storage System Analysis Presentation	GHD	?	11



## My Word: Trinidad mayor on water and community

By STEVE LADWIG |

July 14, 2020 at 12:24 p.m.

I'd like to share some thoughts on what is happening in Trinidad and what I believe is needed to help us build a sense of community. I've been the mayor of this town for several years now and have learned much about the many intersections of thought and beliefs. I wanted to add my piece to recent comments made regarding our town and the folks who make up this community.

I look at Trinidad more like a watershed than simply a square mile of streets, homes and businesses. We provide water to our residents, to some customers in Westhaven, and need to be able to consider new water requests holistically. For years, we've been able to keep pace with the demand for water. Only twice since we put in the treatment plant have we approached the critical point where the creek wasn't able to meet the demand.

Last year, the city invested considerable resources in trying to get a clear picture of:

- how much our water source, Luffenholtz Creek, could produce,
- how much water the treatment plant can produce,
- how much water we're losing to old and leaky pipes, and
- most importantly, what other options exist for us to stabilize this valuable resource and allow our community to meet its needs.

This year-long effort was coming to a point where the city was going to gather its residents, all of the folks who also tap into our water source, and other interested people, and consider a request from the Trinidad Rancheria to supply water to its hotel project. This meeting would have occurred in the spring and would have been a chance for the town hall to fill and have a rich discussion. Then COVID-19 shut down all in-person meetings and we were faced with a need to switch to the infamous Zoom/Webex format of meeting and it didn't go well. A whole community had to learn how to interact in a totally different way. So, as a City Council, and based on input from many, we decided to postpone this important decision until we could again meet in person.

In the last week or so, letters have come out from Mr. Sundberg from the Rancheria and Mr. Madrone from the county Board of Supervisors, both discussing this hotel project and their perceptions of the process. These letters focus on what isn't working instead of encouraging the community to find ways to work collaboratively. It appears to me as if this new way of meeting virtually, less often, and without the crucial element of being face-to-face, has allowed this situation to deteriorate.

I write today to call for us to reflect on what this community needs and who is a part of it. If we don't invest in the people that make up our community, then we're not participating and carrying our own load. The city is in a position to make a decision that reaches far beyond the one square mile that we inhabit and long past our own lifespans. The City Council is an elected body that's meant to represent our residents, our community, and to make decisions in the public eye in a way that isn't driven by our own personal gain. The Rancheria's offered to help the city improve its water plant on the one hand, and has ceased all support on other important projects like the

stormwater project until we provide water for the hotel. Citizen groups like Humboldt Alliance for Responsible Planning (HARP) have opposed the hotel, but haven't successfully offered to help find suitable solutions. There's an incredible amount of talent in the Rancheria and HARP that's lost by making ultimatums. The best use of these talents would be to work together with the city to find a solution. In my time as mayor I've met with all of these groups. Even if I disagree, I always come out better, having learned something about my neighbors' perspectives, experiences, and what's important to them.

The city remains committed to continuing this discussion and finding a solution to our water needs. We also remain committed to having open discussions with all members of the community on important projects within our city and within our neighboring communities. COVID-19 has thrown a major wrench in this process, and I look forward to meeting in person again, to have that rich discussion and democratic process that's so important. I wholeheartedly ask for this community to reflect on our values and to include ALL of us in our decisions.

*Steve Ladwig serves on the Trinidad City Council as mayor.*





July 14, 2020

**H.B.M.W.D. JUL 21 2020**

**PRESIDENT**

Sara Prendergast

**PRESIDENT-ELECT**

Jill Rice

**SECRETARY/TREASURER**

Joshua Cook

**PAST PRESIDENT**

Victoria Copeland

**DIRECTORS**

Robin Bailie

Heather Bergen

Felicia Costa

Tina Christensen-Kable

Ruthie Jones - MLS

Joe Matteoli

Mike Novak

Michelle Rowland

Lauren Smith

Jeremy Stanfield

Somer Wallan

Hannah Winans

**AFFILIATE LIAISON**

Marysa Castro

**EXECUTIVE OFFICER**

Kristen Kelley

Humboldt Bay Municipal Water District  
828 Seventh Street  
Eureka, CA 95501

Re: Letter of Support of Trinidad Area Water Extension Pipeline

Dear HBMWD Board of Directors,

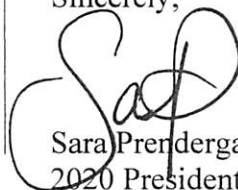
The Humboldt Association of Realtors® would like to convey support of the Humboldt Bay Municipal Water District researching feasible water supply proposals to the Trinidad area.

After reading the articles by Ryan Burns on June 12, 2020, featured on Lost Coast Outpost “Trinidad Rancheria Asks for Pipeline Extension to Get Water Via Humboldt Bay Municipal Water District” and the Jack Durham Mad River Union featured article “Trinidad Rancheria makes McKinleyville pipeline plea”, the Humboldt Association of Realtors® supports taking steps in the direction of supplying water and needed infrastructure where it is greatly needed in underserved communities.

We are in full support of private property rights and understand that the limitation of water effects private property rights to many landowners and in turn entire communities can experience a lack of growth and sustainability.

We thank you for considering the feasibility and implementation of a pipeline extension from the McKinleyville Community Service District to the Trinidad area. As the saying goes, “Water is Life” and communities that greatly need it should be given the opportunity to obtain such a basic commodity. If you have any questions, contact us at (707) 442-2978 or email [kristen@harealtors.com](mailto:kristen@harealtors.com).

Sincerely,



Sara Prendergast  
2020 President



# NEWS FROM THE CENTER

Larry Glass, Executive Director and  
Carrie Tully, Admin & Dev. Director

To quote Julie Sze's *Environmental Justice in a Moment of Danger*, "The resurgence of explicit racism is unsurprising for justice activists, who see their lives impacted by legacies of structural domination and racist public policies. Social movements for environmental and climate justice are mobilizing large numbers of people (including virtually) and having a broad national and global impact outside of local contexts. Oil pipeline protests on the Standing Rock Sioux Reservation; responses to mass lead poisonings in Flint, Michigan; mobilizations against police killings of African Americans [such as Breonna Taylor, George Floyd, and Ahmaud Arbery] and other people of color; impassioned actions of Indigenous and small island populations in opposition to climate change - all comprise a snapshot of the hundreds of protests in the United States that have foregrounded the convergence between environmentalism and movements to combat social justice and inequality."

We see that our job at the NEC is to

provide our members and supporters with factual reporting about the challenges that we all face. Most of the challenges we are confronting are linked together by a common thread of selfishness and greed. The mission is to shine a light on these, and connect the dots.

One of the most frustrating aspects of the current times we live in is the widespread amount of ignorance and science-denial. This has led to us seeing long-time environmental protections being abandoned by the White House, and the elevation of junk-science and conspiracy theories about things as important as climate collapse and worldwide pandemics. Here at the Center, we strive to stay factual and rooted in proven science. Because of that, let us take this opportunity to remind our readers that our natural environment is still being threatened by uncontrolled changes in our climate.

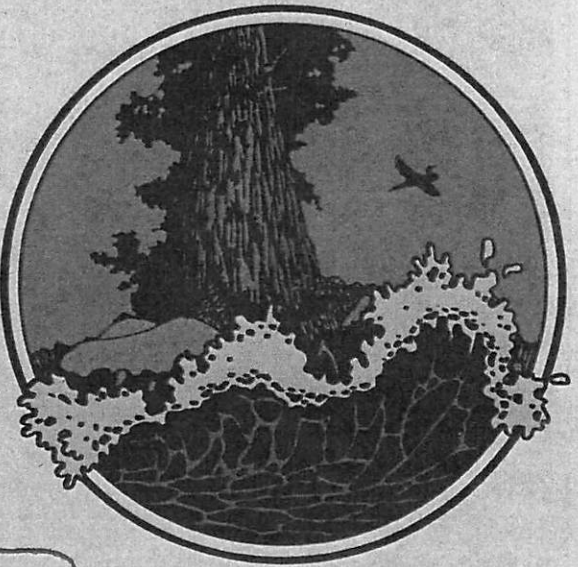
Our office still remains closed. We understand that it's human nature to be impatient and to want to go back to normal life, but we are still in the middle of a pandemic - no matter what propaganda is coming out of Washington D.C. We will continue to

be cautious and protect our staff and members until it is truly safe to open back up.

Closed or not, the NEC staff continues to do their job. Right now we are focused on the new monthly EcoNews print editions, which are being warmly received by the public. If you've been having trouble finding a copy, it's because they've been flying off the racks! We've been restocking as fast as we can. Please visit our website if you wish to become a member, and you can get one mailed directly to you.

As we're going to press, we've just learned about another controversial potential project that will certainly be holding our attention, and that is a proposed water line that would extend the Humboldt Bay Municipal Water District's service area all the way to Trinidad. This proposal could result in an unchecked wave of development in Northern McKinleyville and beyond. We will keep you posted as this project develops or is stopped.

We are excited to introduce the NEC's newest interactive clean-up project: Trash-a-thon! Similar to a walk-a-thon, where you raise money



from sponsors for each mile walked, Trash-a-thon is a way of raising donations for the number of pieces of trash that are picked up within a 24-hour timeframe. Anyone can volunteer to pick up trash, either as an individual or in teams of 2-5 people. Leading up to the day of the cleanup, volunteers are encouraged to collect pledges (donations) from their network. A suggested pledge could range anywhere from \$0.05 - \$5 per piece of trash. Be sure to sign up so you can participate in this great event!

Our dynamic new Administrative Director is heavily involved in

Continued →

EcoNews July 2020

SECTION 8 PAGE NO. 23





## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

828 SEVENTH STREET, PO Box 95 • EUREKA, CALIFORNIA 95502-0095

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Website: [www.hbmwd.com](http://www.hbmwd.com)

### BOARD OF DIRECTORS

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### GENERAL MANAGER

JOHN FRIEDENBACH

August 7, 2020

Brenda Burman  
 Commissioner US Bureau of Reclamation  
 1849 C Street NW  
 Washington CA 20240-0001

### RE: Water Transport – Northern California

Dear Commissioner Burman,

Recently I participated in the ACWA virtual Resilience Rising Conference where I heard your Keynote Speaker presentation in the Opening Session of day two of the conference. Our water district is located in northern California. Our reservoir which serves as the water source for two thirds of the residents of Humboldt County is located on the Mad River in Trinity County. The discussions regarding water resiliency in California has prompted my writing to you.

### Introduction

The Humboldt Bay Municipal Water District (HBMWD) is a regional water supplier that provides drinking water on a wholesale basis to seven municipal agencies located in and around Humboldt Bay. HBMWD's current average annual municipal demand is approximately 10 million gallons per day (MGD). Until recently, HBMWD also supplied up to 60 MGD of untreated water to two large industrial customers - pulp mills who converted wood waste generated by the timber industry into a useful product.

The District is in a unique situation among California water agencies. Given loss of the pulp mills, we are currently using less than 20 percent of the water supply that is permitted and reliably available. Several years ago, HBMWD embarked on a collaborative community process to plan for its future in light of California's use-it-or-lose-it water rights policy, significant revenue reduction given loss of the mills, and the region's commitment to sustainability and use of local resources for local benefit. This is detailed on our District website: <https://www.hbmwd.com/water-resource-planning>.

The District is committed to an integrated, fiscally and environmentally sustainable solution. HBMWD hopes to advance consideration and eventual pursuit of three water-use options: 1) restore some degree of local water use by attracting new commercial or industrial users; 2) transfer water to another municipality outside the District for responsible municipal use; and

3) dedicate a portion of the available water for in-stream flows in the Mad River for environmental enhancement pursuant to Section 1707 of the California Water Code.

### **Transfer**

The District initially explored transferring water only via a marine-based mode. In 2014, we shared the results of a "Reconnaissance Evaluation - Financial Viability Transporting Potable Water by Sea" which found the cost of moving water via tanker or barge to be prohibitively expensive.

Given interest expressed by several agencies, and after consultation with our Advisory Committee and stakeholder groups, the District decided to conduct a companion reconnaissance-level study to assess possible pipeline routes. The District engaged GHD (formerly Winzler & Kelly Consulting Engineers) to assess the feasibility and develop cost estimates for the most viable routes.

The purpose of the study was to develop alternative feasible pipeline routes to transfer HBMWD water to potential customers to the north, south or east of the District's current service territory. The study explored routes in three general directions: 1) east then north to the Trinity River system, 2) east to the State Water Project (which provide access to Bay Area agencies), and 3) south to Mendocino and Sonoma Counties with service options to southern Humboldt. All pipeline routes initiate at the District's Essex diversion facility on the Mad River near Arcata. The study presents WaterCAD model results and estimated design, permitting, and construction costs, as well as operation and maintenance costs, for what appear to be two of the most feasible routes. The study calculates a cost estimate (\$/acre-foot) for delivery of water. The study also summarizes initial feedback provided by stakeholders. This study can also be found on our District website: <https://www.hbmwd.com/water-resource-planning>.

I am sharing this material with you to inform you of our resource that is available to assist with finding solutions to California's water resiliency. Attached is the "terms sheet" that was previously approved by our Board. I appreciate your time and look forward to discussing our available resource with you. Please do not hesitate to contact us if you have any questions.

Respectfully



John Friedenbach  
General Manager



**Term Sheet**  
**Transfer of Water**  
**by**  
**Humboldt Bay Municipal Water District**

1. *Term*

The District is contemplating a long-term (30-40 years) transfer of water. The District proposes two periods. An initial period (5-10 years) would be spent conducting necessary studies, obtaining all necessary regulatory approvals, performing the needed environmental review under NEPA and CEQA, and constructing required infrastructure. The main term of the agreement (25-30 years) would allow the parties to finance and amortize any infrastructure needed for the proposed transfer. The District is also willing to consider a limited number of subsequent terms (perhaps 5-10 years each), subject to the demand for water within Humboldt County and other factors.

2. *Price and Quantity of Water*

The District is exploring transferring up to 30 to 40 million gallons per day (MGD) (34,000 to 45,000 acre-feet per year) of raw water in 5 MGD increments. External factors may limit the maximum amount of water that may be transferred. The quantity of water could vary with hydrologic conditions and/or demands within the purchasing agency or within the District.

The purchasing agency will need to pay a per unit price that at least covers: (i) the District's fixed and variable costs to provide that water through its Surface Water System, (ii) a contribution to the cost of the District's regional water systems in Trinity and Humboldt Counties which supplies water to and directly supports the Surface Water System, and (iii) an additional increment to compensate the District for use of the water outside Humboldt County. The purchasing agency will also need to pay the costs of transporting water from Eureka to its service area. Finally, the parties will need to negotiate an initial payment to the District and an allocation of the costs of regulatory compliance and permitting.

3. *Other Considerations*

The District will give preference to working with agencies that: (i) do not intend to use the transfer water as "base load" to support new development, and (ii) are in compliance with the provisions of SB 7x7. If multiple proposals are received, the District may also consider and give preference to agencies that seek to use the transferred water, either directly or via an exchange, to address problems of groundwater overdraft or to provide water for instream flows/environmental enhancement.



SECTION 8.1b, PAGE NO. 4  
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**GENERAL MANAGER**

JOHN FRIEDENBACH

August 7, 2020

Congressman Doug LaMalfa  
2885 Churn Creek Road, Suite C  
Redding CA 96002

**RE: Water Transport**

Dear Congressman LaMalfa,

Recently I participated in the ACWA virtual Resilience Rising Conference where I heard you speak in the Statewide Issue Forum regarding State and Federal Infrastructure Funding: Investing in Resilience. Our water district is also located in northern California not far from your congressional district. In fact, our reservoir which serves as the water source for two thirds of the residents of Humboldt County is located on the Mad River in Trinity County.

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## RE-RAID OF A PROPERTY YIELDS OVER 46,000 PLANTS THE SECOND TIME PLUS A LIST OF MARIJUANA ENFORCEMENT ACTIONS IN HUMBOLDT COUNTY IN 2020

July 19, 2020 Kym Kemp 52 comments



*This greenhouse off Thomas Road in the Salmon Creek watershed was refilled with clones after having been raided a month prior. [Photo provided by the Department of Fish and Wildlife]*

To get sense of what is happening in the tug of war between cannabis growers and law enforcement, we've put together a list of the known marijuana enforcement actions in Humboldt County so far this year.

We're going to start off with a report of a raid led by the California Department of Fish and Wildlife on a relatively large grow in the Thomas Road area of Salmon Creek that had been served a search warrant by Humboldt County's Marijuana Eradication Team just six weeks earlier on May 15. On the same day, DFW also served a warrant on Fruitland Ridge and one in Redcrest.

According to Janice Mackey, Information Officer for the California Department of Fish and Wildlife, "During the week of June 29 [we know the date was June 30], the California Department of Fish and Wildlife, assisted by the Humboldt County Sheriff's Office and the California Department of Food and Agriculture, served three search warrants in Humboldt County. The parcels were located at Thomas Road in Miranda, Johnson Lane in Redcrest and Kelsey Lane in Myers Flat."



The Thomas Road parcel we know was in the permit process with the County. We are unsure of the other parcels. According to Mackey, "A records check confirmed that none of the parcels were licensed by the state for commercial cannabis cultivation."

On May 18, the MET team said they found over 14,000 plants at the Thomas Road parcel\* and over 1,990 pounds of processed cannabis.



*A wall of weed contained in the ubiquitous black and yellow tuppies was found during the May 18 raid on the Thomas Road piece, according to MET. [Photo from the HCSO MET team]*

Undeterred by the MET raid in May, the optimistic folks on the Thomas Road property rushed to replant. When the Department of Fish and Wildlife arrived at the property on June 30, they say they discovered an estimated 46,791 illegal marijuana plants.

The DFW says they located around 3200 plants total on both the parcels in Redcrest and Myers Flat.

Though DFW would only speak in general terms about the three parcels, we believe around ten suspects were detained on the Thomas Road property but then released. However, it is possible that some of those were located on the other two properties.

Mackey says, "Criminal charges will be filed with the Humboldt County District Attorney's Office for consideration....Criminal charges are pending and these are ongoing investigations."

Below are all the rest of the enforcement actions we know of with brief summaries and links to more complete stories if we have them.

#### **Known Humboldt County Marijuana Enforcement Actions So Far in 2020:**

1. On Monday, **April 27**: [Marijuana Enforcement Team \(MET\) Served Search Warrant in the Mattole Road Area](#)
2. On Wednesday, **April 29**: [Indoor Grow Raided Today](#)
3. On Thursday, **April 30**: [Marijuana Enforcement Team Served Search Warrant in Garberville Yesterday](#)
4. On Friday, **May 8**: [878 Plants Eradicated in Redway Bust](#)
5. On Monday, **May 11**: [Over 17,000 Plants Eradicated at Miranda Property Today, Says Sheriff's Office](#)
6. On Tuesday, **May 12**: There wasn't a press release but our request, Karges was able to gather some details for us. She told us,

...[D]eputies with the Humboldt County Sheriff's Office Marijuana Enforcement Team (MET) served two search warrants to investigate illegal cannabis cultivation in the Cathy's Peak area of Honeydew. The California Department of Fish and Wildlife assisted in the service of the warrant.

Two parcels were investigated during the service of the warrants. The parcels did not possess the required county permit and state license to cultivate cannabis commercially.

During the service of the warrants, deputies eradicated approximately 2,000 growing cannabis plants.

Additional violations with civil fines are expected to be filed by the assisting agencies.

No arrests were made during the service of the warrant. The case will be forwarded to the DA's Office for review.

7. On Wednesday, **May 13**: **Citizens' Complaints Lead to Marijuana Bust on Wilder Ridge, Says Humboldt County Sheriff's Office**
8. On **May 14**, Karges said a search warrant was served in the Dinsmore area. At this point we haven't received information on what MET discovered. We will request information again. We will request information again.
9. On Friday, **May 15**: **Over 14,000 Plants and Nearly 2000 Pounds of Marijuana Found at Salmon Creek Grow, Says HCSO MET Team**
10. On **May 20**, Karges confirmed that there were search warrants served in Southern Humboldt but she hadn't been able to gather details at the time we requested information. We have reports that at least one warrant was served in the Weott area. We will request information again.
11. On **May 26**, MET went to a **Large Indoor Grow in the Weitchpec area-18,690 Plants and 818 Pounds.**
12. On **May 27**, MET Served **three search warrants on parcels without any permits in the Dinsmore area.**
13. On **May 29**, MET eradicated approximately 58,395 growing cannabis plants on a **Blocksburg property** without any permits.
14. On **June 3**, MET eradicated about 353 plants as well as 62 grams of meth and prescription pills packaged for sales. The grow-**in the area of Tobacco Road, Petrolia-** did not possess any permits. One woman was cited and released. One person fled.
15. On **June 4**, MET served **four search warrants in the Alderpoint/Rancho Sequoia area.** Deputies eradicated approximately 10,299 growing cannabis plants and confiscated a ghost gun.
16. On **June 5**, we had a report of a convoy in SoHum but no further information. We will request information again.
17. On **June 17**, MET served **two search warrants in the Blocksburg area.** "One parcel did not possess the required county permit and state license to cultivate cannabis commercially. The second parcel did not possess the required state license to cultivate cannabis commercially." One person was cited. In addition, one trespass grow was eradicated.



18. On **June 22**, a law enforcement convoy went to **Fruitland Ridge and to Eel Rock Road**. We will request information again.
19. On **June 24**, MET “**served two search warrants to investigate illegal cannabis cultivation in the Mad River drainage area of Dinsmore...**[D]eputies eradicated approximately 10,735 growing cannabis plants.”
20. On **June 25**, MET served two search warrants in the Mattole River drainage area of Honeydew. “One parcel possessed the required county permit but did not possess a state license to cultivate cannabis commercially. The other parcel investigated did not possess the required county permit and state license to cultivate cannabis commercially...[D]eputies eradicated approximately 7,930 growing cannabis plants.”
21. On **June 30**, a convoy went to Holmes Flat in Redcrest, then to Fruitland Ridge in the Kelsey Lane area, and returned to a Salmon Creek watershed property. See lead story above.
22. On **July 14**, MET **served one search warrant at a parcel without any permits in the Shively area** and eradicated approximately 2,600 growing cannabis plants. Also, “MET deputies served one search warrant at a parcel in the Honeydew area. The parcel did not possess the required state license to cultivate cannabis commercially. “[D]eputies eradicated approximately 6,900 growing cannabis plants.”
23. On **July 15**, MET **served a search warrant at a Briceland farm** that had a County permit but not a state permit and “eradicated approximately 2,000 growing cannabis plants....MET deputies also visited an additional cannabis cultivation operation in Briceland. Upon contact with the parcel owner, deputies learned the parcel had just received its state license and verified that it was in compliance with current state and local orders.”

(\*Note: This property is near the home of this reporter)



## **DFW SERVED WARRANT LAST WEEK ON PROPERTY THAT HAD A HUMBOLDT COUNTY PERMIT BUT NOT A STATE PERMIT**

July 29, 2020 Kym Kemp RedHeaded Blackbelt

Last Thursday, July 23, the California Department of Fish and Wildlife along with the Humboldt County Sheriff's Office, and assisted by CalCannabis Cultivation Licensing, served a search warrant on a property in the Swains Flat area.

"A records check confirmed the property had no state license to cultivate commercial cannabis," wrote Janice Mackey, Public Information Officer for the Department of Fish and Wildlife. The property, however, had a permit from Humboldt County.

Mackey told us, "During the warrant, officers eradicated 2,181 cannabis plants and confiscated 497 lbs of drying processed cannabis."

She said there were several environmental violations. "Scientific staff observed two water diversions that were diverting 100 percent of the stream flow to water the cannabis plants, which is in violation of FGC 1602(a)," she explained. "Staff also documented two violations of FGC 5650(a)(6) due to sediment delivery caused by an improperly placed culvert and overflowing water tanks that were associated with commercial cultivation activities."

Six people were detained in connection with the search warrant but were not arrested. According to Mackey, "A formal complaint will be submitted to the Humboldt County District Attorney's Office for consideration."

**Below are a list of known Humboldt County Marijuana Enforcement Actions So Far in 2020. This includes both those headed by the DFW and those headed by the Humboldt County Sheriff's Marijuana Enforcement Team:**

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2. On Wednesday, **April 29**: Indoor Grow Raided Today
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4. On Friday, **May 8**: 878 Plants Eradicated in Redway Bust
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24. On **July 23**, see lead story above.

**Humboldt Bay Municipal Water District**

To: Board of Directors  
From: John Friedenbach  
Date: August 7, 2020

Re: Boat Dock Request from Roger Kirkpatrick

**Discussion**

At last month's board meeting, Roger Kirkpatrick made a verbal request for permission to install a dock on Ruth Lake. The Board requested that Mr. Kirkpatrick provide his request in written form to the Board with any supporting documentation. Staff received a written request on August 4<sup>th</sup>. See copy attached – pages 8.3, 3 -12.

Per Ruth Lake Community Service District (RLCSD) Policy Number 6110 "Boat and Swimming Docks for Recreational sublease holders", docks on Ruth Lake are limited to Lease Lot holders. See copy attached – pages 8.3, 13-14.

Mr. Kirkpatrick's property, Trinity County APN 018-520-021 is not a Lease Lot. However, the parcel does have a long and interesting history with the District. This parcel was owned by the Dillon family during the 1950's when the District was formed. The Dillon's were substantial property owners in the Ruth area and conducted ranching activities. The District acquired a significant portion of the Dillon Ranch to facilitate construction of the dam and formation of Ruth Lake. During those periods there were various disputes between the Dillon's and the District which resulted in lawsuits and counter suits. One component of resolution was the granting to the Dillon's from the District of a twelve-foot (12') access road from APN 018-520-021 to the lake. See page 8.3, 10 which was attached to Mr. Kirkpatrick's request letter. The Dillon's also retained "all oil, gas, mineral rights in and under said land", which is not germane to the boat dock request.

As the Board is aware, boat docks on Ruth Lake present a safety hazard to the operation of R. W. Matthews dam in that there is potential for any dock to float down to the dam spillway, become lodged within the spillway thereby reducing flow capacity leading to possible overtopping of the dam. Consequently, strict size, material, and anchoring requirements have been established. See copy of RLCSD Policy Number 6100, Guidelines for the construction of recreational dock and mooring facilities attached – pages 8.3, 15-17.

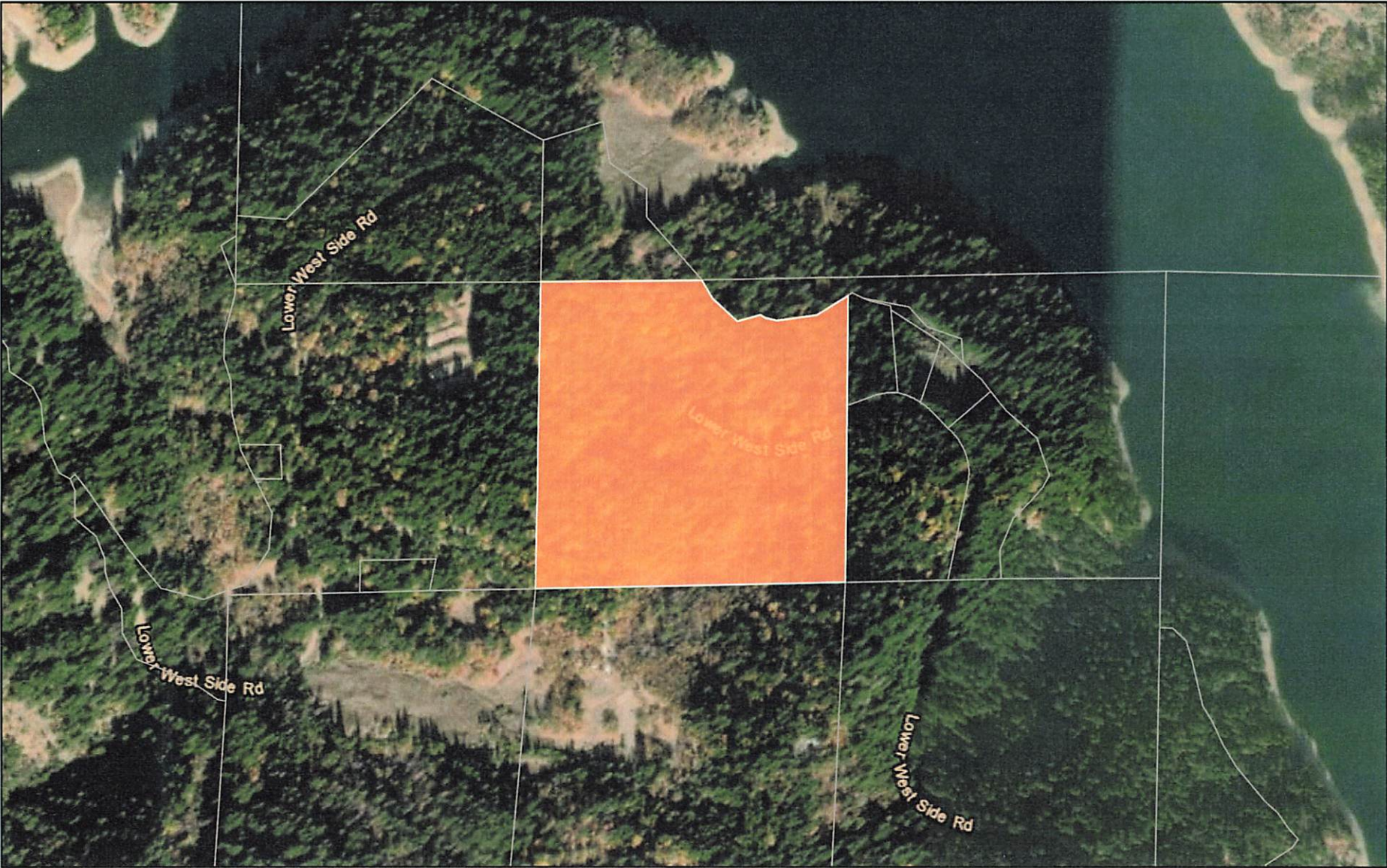
The request for a dock from a previous owner of this property was made in 2001. See attached records – pages 8.3, 18-25. The general discussion was to deny the request for a boat dock for the owner of APN 018-520-21. Staff researched HBMWD Board minutes for discussion on this 2001 issue from January 2001 through March 2003, but did not locate any Board discussion or action regarding the 2001 request. However, the tone of the correspondence leads one to believe this was the resolution since no dock was installed and no Board action granting a dock was recorded.

**Staff Recommendation**

Staff defers to the Board to make the determination regarding the current request from Mr. Kirkpatrick. Some issues for the Board to consider: 1) prior history of request for boat dock; 2) setting precedence for allowing non-lease lot holder to have approved dock on Ruth Lake; 3) dam safety. If the Board decides to grant the request, staff recommends that it be made as a one-time exception and non-transferrable to future owners of this parcel, with removal required upon change of ownership.

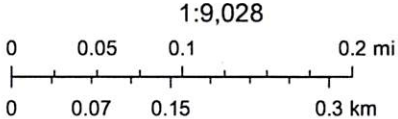


Roger Kirkpatrick APN 018-520-21-00



August 4, 2020

 Parcels



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS,

ROGER KIRKPATRICK PROPERTY  
5791 Lower West Side Road  
Ruth Lake, CA 95526  
APN 018-520-021

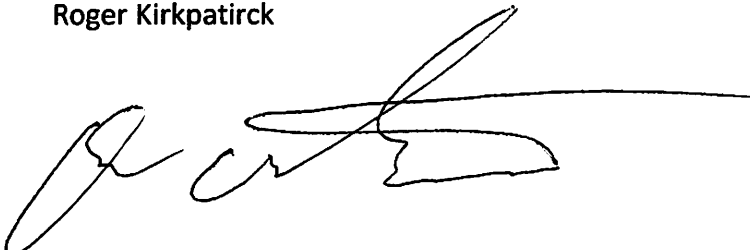
H.B.M.W.D. AUG - 4 2020

Humboldt Bay Municipal Water District,

My name is Roger Kirkpatrick. I recently purchased a vacation property that I have been vetting for years. I am a 5<sup>th</sup> generation Humboldt/Trinity County resident. I personally have been visiting Ruth lake for nearly 40 years. With this property I have created an opportunity for my family to enjoy this unique lake for many years to come. Included in this packet is a copy of my deed, road ingress & egress, water rights and mineral rights to Ruth Lake. I am requesting the possibility of installing a brand-new dock, following all Ruth Lake boat dock policies. I would ask you to consider my property as you would a lease lot as I am more than willing to pay my fair share. I await your decision and hope to be enjoying the new dock with my children and family soon. Thank you to the local staff and board.

Sincerely,

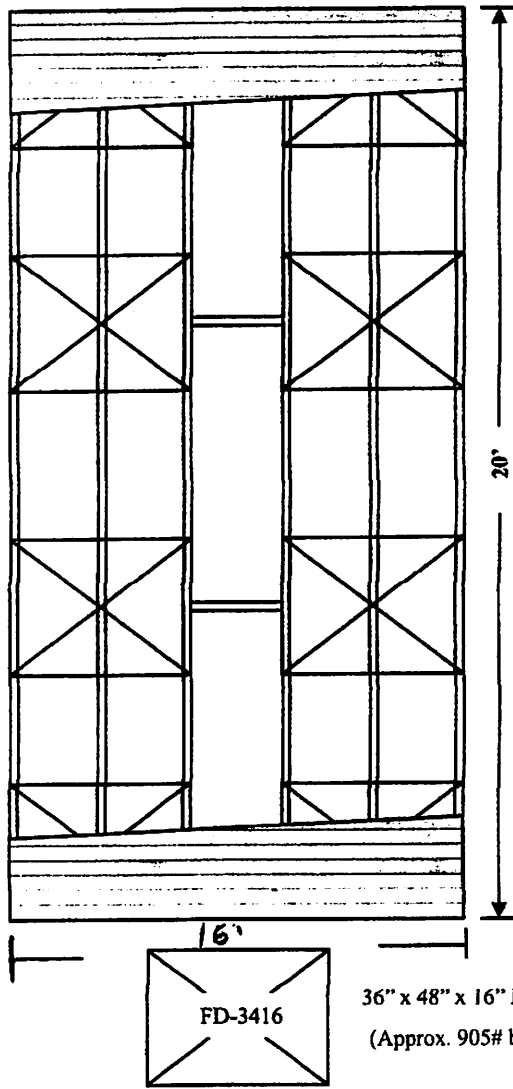
Roger Kirkpatrick



8-3-2020

ROGER KIRKPATRICK PROPERTY  
 5791 Lower West Side Road  
 Ruth Lake, CA 95526  
 APN 018-520-021

- Dock Sketch for 16' X 20' "320 SQ FT"
- Anchored with 6 Manta Ray Earth anchors (MR-88) as recommended by Winzler & Kelly
- 36" x 96" gang way floating on water, sitting on shore attached to dock



#### FLOTATION SUMMARY

- (8) FD-3416 DockBuilders Float Drums (36" x 48" x 16")
- (48) LB-3804SS (3/8" x 4" Stainless Steel Lag Bolts)
- (48) W-38SSF (3/8" x 1.5" Stainless Steel Fender Washers)

#### FRAMING HARDWARE SUMMARY

- (4) Outside Corners – End
- (4) Inside Corners
- (12) Angles (2 per internal stringer/joist)
- (24) Washer Plates (4 per internal stringer)
- (80) Carriage Bolt Sets (1/2" x 3" bolt/washer/hex nut)
- (550) 3" Stainless Steel Decking Screws
- (2) Driver #2 Square (for decking screws)

#### LUMBER SUMMARY (Not Included in Kit)

- (2) 2" x 8" x 10' Fascia Board / Header (cut in half)
  - (6) 2" x 8" x 20' (or 2" x 10" x 20') Stringers / Joists
  - (43) 2" x 6" x 10' Decking Boards
- Extra 2" x 8" lumber required for blocking between stringers and over floats.

All dock designs, floatation, anchoring & size follow boat and swimming docks for recreational sublease holds and guidelines for the construction of recreational dock and mooring facilities. Policy #6100 & #6110



### Ruth Lake

Roger Kirkpatrick property. This would be the cove the dock would sit in where our 12ft wide road goes to, my patio boat is in the picture. very safe and secure cove.



Imagery ©2020 Maxar Technologies, Map data ©2020 50 ft





Box 160  
501 Main Street  
Weaverville, CA 96093  
Phone: (530) 623-5591 Fax: (530) 623-2452

March 12, 2020

Roger Kirkpatrick  
6505 Eggert Rd  
Eureka, CA 95503

Escrow Number: 62120  
Property Address: 5791 Lower West Side Road  
Ruth Lake, CA 95526

The above escrow closed on February 10, 2020; in connection therewith we enclose the following:

Title Insurance Policy

Should you have any questions, do not hesitate to contact your escrow officer. We appreciate your business and look forward to working with you again.

Sincerely,  
Trinity County Title Company

A handwritten signature in black ink, appearing to read "Christian Farrell". The signature is written in a cursive style with some loops and flourishes.

Christian Farrell

RECORDING REQUESTED BY:  
Trinity County Title Company

WHEN RECORDED MAIL TO  
AND SEND TAX STATEMENTS TO:

Roger Kirkpatrick  
6505 Eggart Rd  
Eureka, CA 95503

ORDER NO.  
ESCROW NO. 62120  
APN: 018-520-021

Doc # 202000411

Page 1 of 4

Date: 2/10/2020 03:34P  
Filed by: TRINITY CO. TITLE CO.  
Filed & Recorded in Official Records  
of TRINITY COUNTY, CA  
SHANNA S WHITE  
COUNTY CLERK-RECORDER  
Fee: \$203.50

SECTION 8,3, PAGE NO. 7

SPACE ABOVE THIS LINE FOR RECORDERS USE

**GRANT DEED**

THE UNDERSIGNED GRANTOR(S) DECLARE(S)

DOCUMENTARY TRANSFER TAX is: \$181.50 CITY TAX \$\*

- \* Monument Preservation Fee is: \$\*
- X computed on full value of property conveyed, or
- \* computed on full value less value of liens or encumbrances remaining at time of sale.
- X Unincorporated area: \* City of \_\_\_\_\_, In an unincorporated area; and

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

Jaak Saame and Janice C. Saame, Trustees of The Jaak Saame and Janice C. Saame 2000 Trust

hereby GRANT(S) to Roger Kirkpatrick, a married man as his sole and separate property

the following described real property in an unincorporated area,, County of Trinity, State of California:

LEGAL DESCRIPTION ON EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

Date: February 05, 2020

THE JAAK SAAME AND JANICE C. SAAME 2000 TRUST

Jaak Saame  
Jaak Saame  
Trustee

Janice C. Saame  
Janice C. Saame  
Trustee

MAIL TAX STATEMENT AS DIRECTED ABOVE

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

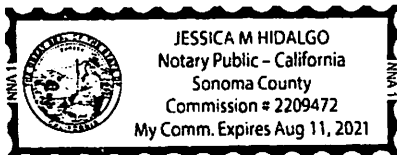
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of Sonoma  
On 02/05/2020 before me, Jessica M Hidalgo Notary Public  
Date Here Insert Name and Title of the Officer  
personally appeared Janice C Saame  
Name(s) of Signer(s)  
Jack Saame

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

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

WITNESS my hand and official seal.



Signature [Signature]  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: Grant Deed  
Document Date: 02/05/2020 Number of Pages: 4  
Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

**EXHIBIT "A"**  
**LEGAL DESCRIPTION**

That real property situated in the County of Trinity, State of California, described as follows:

**TRACT NO. 1:**

The Northwest quarter of the Southeast quarter of Section 32 in Township 1 South, Range 7 East, H.B.&M, according to the official plat thereof.

EXCEPTING THEREFROM that portion thereof as conveyed in the deed to Humboldt Bay Municipal Water District, dated January 31, 1961 and recorded April 10, 1961 in book 90 of Official Records at page 16, Trinity County Records.

ALSO EXCEPTING THEREFROM all oil, gas and mineral rights in and under said land as reserved to Earl P. Dillon and Alta R. Dillon, husband and wife, in the deed from them to Russell D. Barnes, Jr., et al, dated June 29, 1970 and recorded July 30, 1970 in book 141 of Official Records at page 528, Recorder's File No. 1712, Trinity County Records.

**TRACT NO. 2:**

BEGINNING at a point which bears North 89°41' 1/4' East 626.0 feet from the center of Section 32, Township 1 South, Range 7 East, H.M., according to the official plat thereof;

THENCE South 26°11' East 50 feet to the true point of beginning;

THENCE South 62°40' East 251.37 feet to a point in the West line of the parcel of land conveyed to Humboldt Bay Municipal Water District by a deed dated January 31, 1961 and recorded in book 90 of Official Records at page 16, Trinity County Records;

THENCE along the West line of said parcel South 74° 49 1/2' West 58.39 feet;

THENCE North 57 12 1/2' West 178.9 feet;

THENCE North 26°11' West 37.8 feet to the TRUE POINT OF BEGINNING.

EXCEPTING THEREFROM all oil, gas and mineral rights in and under said land as reserved to Earl P. Dillon and Alta R. Dillon, husband and wife, in the deed from them to Russell D. Barnes, Jr., et al, dated June 29, 1970 and recorded July 30, 1970 in book 141 of Official Records at page 528, Recorder's File No. 1712, Trinity County Records.

**TRACT NO. 3:**

That portion of the Northwest quarter of the Southeast quarter of Section 32 in Township 1 South, Range 7 East, H.B.&M., according to the official plat thereof, embraced in the following description:

Beginning at a point 172.3 feet South and 951.2 feet East of the center of Section 32, Township 1 South, Range 7 East, H.M., and running thence South 76°35' East 50.0 feet;

THENCE North 82°25' East 172.0 feet;

THENCE North 58°50' East 180.0 feet;

THENCE South 63°40' East 80.0 feet;

THENCE South 73°25' East 170.0 feet;

THENCE South 44°30' East 95.0 feet;

THENCE South 62°10' East 152.0 feet;

THENCE South 12°30' East 73.04 feet to a point in the West line of the parcel of land conveyed to Humboldt Bay Municipal Water District by a deed dated January 31, 1961 and recorded in book 90 of Official Records at page 16, Trinity County Records;



THENCE along the West line of said parcel North 46°36' West 20.56 feet;  
THENCE North 46°38 1/2' West 88.7 feet;  
THENCE North 57°12' West 86.0 feet;  
THENCE North 57°02' West 211.3 feet;  
THENCE North 84°06' West 89.6 feet;  
THENCE South 60°07' West 216.4 feet;  
THENCE South 82°48 1/2' West 130.2 feet;  
THENCE North 52°47' West 112.6 feet to the POINT OF BEGINNING.

EXCEPTING THEREFROM all oil, gas, mineral rights in and under said land as reserved to Earl P. Dillon and Alta R. Dillon, husband and wife, in the deed from them to Russell D. Barnes, Jr., et al, dated June 29, 1970 and recorded July 30, 1970 in book 141 of Official Records at page 528, Recorder's File No. 1712, Trinity County Records. .

Together with any spring rights that would accrue to said lands by reason of the spring rights reserved in the deed to Humboldt Bay Water District recorded 4/10/1961 in book 90 Official Records at page 16 which recite among other things the following: "and also reserving, for the benefit of their remaining property adjacent to grantee's property, exclusive water right to use water from all springs arising in grantees land above described that arise above the ultimate high water level of the Ruth Reservoir"

An easement affecting the portion of said land for the purposes stated herein. and incidental purposes  
In favor of: United States of America  
For: road  
Recorded: July 3, 1964 in book 108 of Official Records page 272  
Affects: a strip of land 66 feet in width.

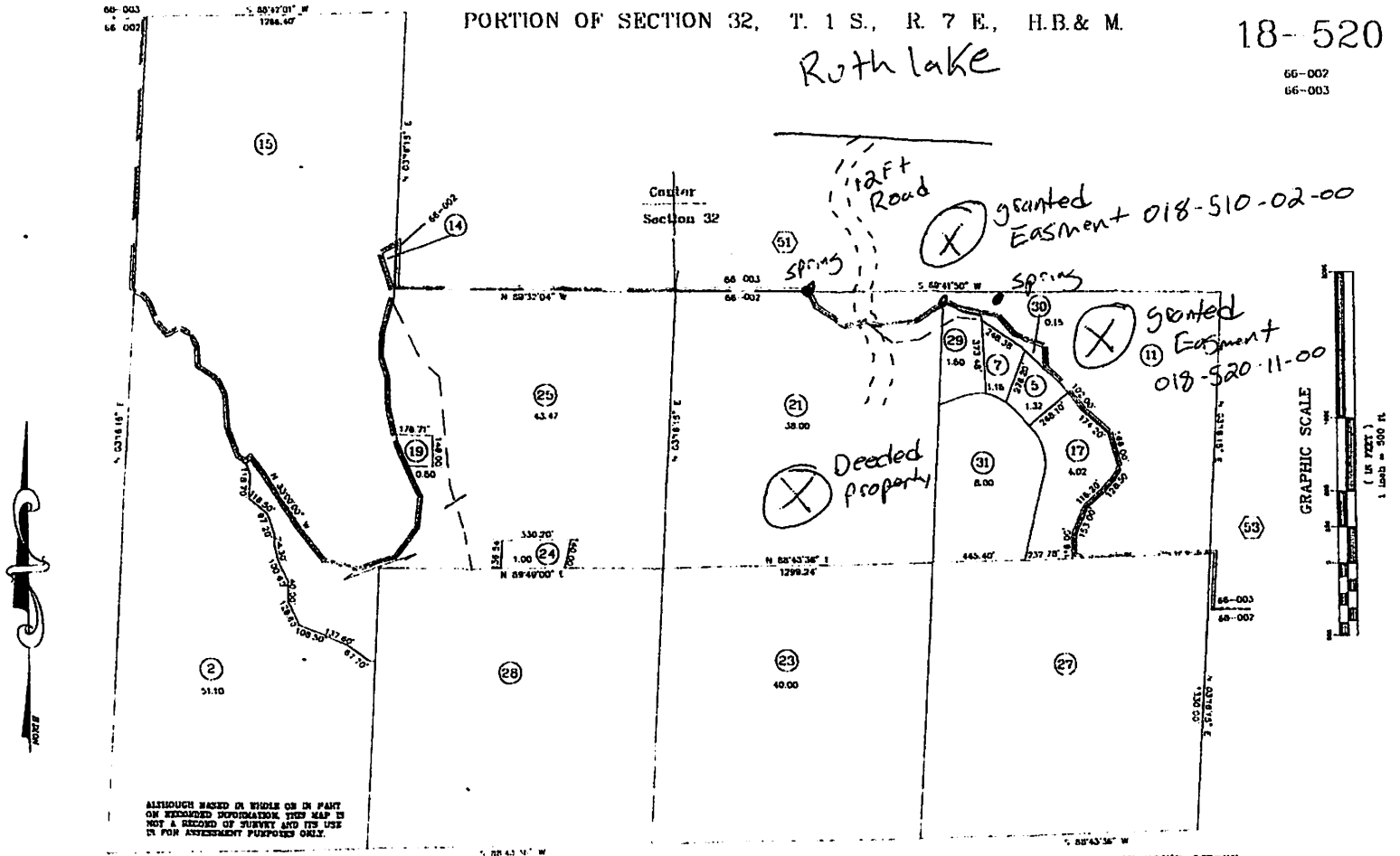
An easement affecting the portion of said land for the purposes stated herein, and incidental purposes,  
In favor of: Earl P. Dillon, et ux  
For: roadway, ingress and egress from Ruth Lake  
Recorded: July 30, 1970 in book 141 of Official Records page 528  
Affects: a strip of land 12 feet in width, no exact location of record.

PORTION OF SECTION 32, T. 1 S., R. 7 E., H.B. & M.

Roth Lake

18-520

66-002  
66-003



ALTHOUGH BASED ON WHOLE OR IN PART ON RECORDED INFORMATION THIS MAP IS NOT A RECORD OF SURVEY AND ITS USE IS FOR ASSESSMENT PURPOSES ONLY.

COPYRIGHT 1994, TRINITY COUNTY ASSESSOR'S OFFICE.

TRINITY COUNTY ASSESSOR'S OFFICE  
BOOK EIGHTEEN PAGE FIFTY TWO  
OCTOBER 7, 1994

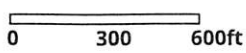
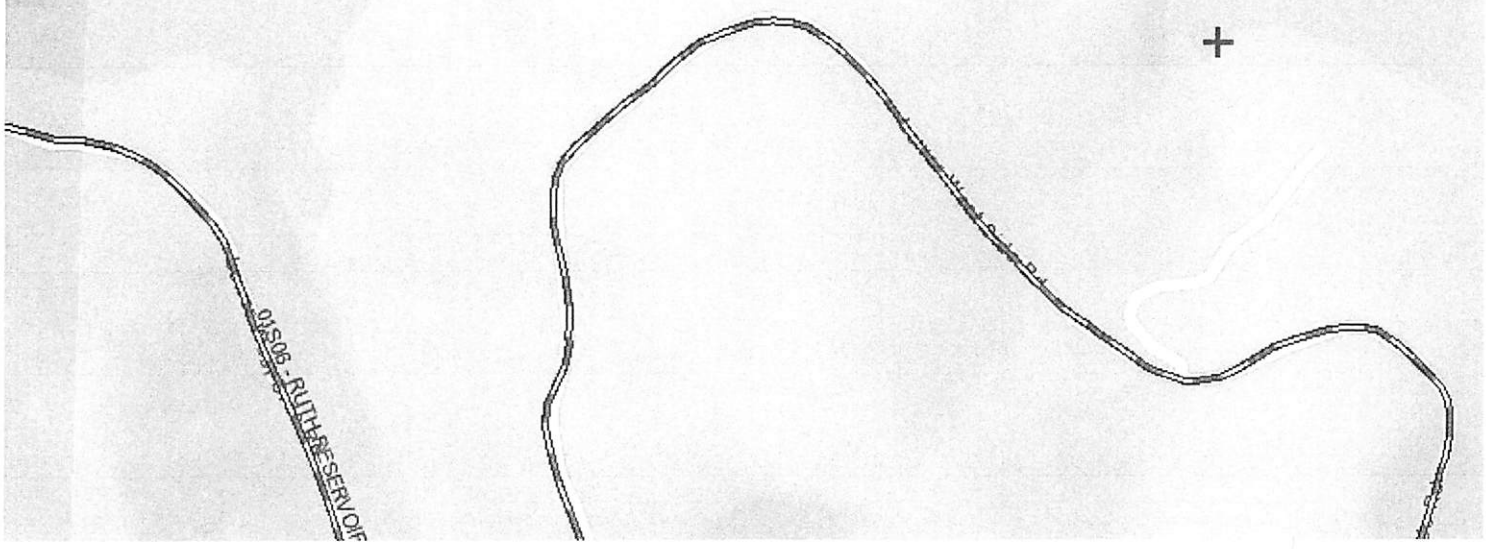
**IMPORTANT** This map is prepared by the Trinity County assessor for tax assessment purposes and it is furnished as a convenience only. There is no guarantee as to dimensions, distances or bearings.



National Forest  
It's all yours.  
(//www.itsallyours.us)

Bay  
Car

-  LAYERS
-  LEGEND
-  CLEAR MAP
-  FEEDBACK



**RUTH LAKE COMMUNITY SERVICES DISTRICT  
POLICY HANDBOOK**

**POLICY TITLE:** Boat and Swimming Docks for Recreational sublease holders

**POLICY NUMBER:** 6110

**6110.10** All current recreational sublease holders may request approval to place one boat or swimming dock on the lake as set forth below.

**6110.20 Location:**

**6110.21** Dock may be moored at the recreational sublease's own site or,

**6110.22** At another recreational sublease site provided that the sub lessee of the site gives written permission for the placement of and access to the dock, or written permission from RLCSO if placement is desired on non-leased buffer strip.

**6110.221** Sub lessee of site is in no way compelled to give such permission.

**6110.222** Permission must extend for the duration of the sublease contract of the dock site or dock owners lease site, whichever is shorter, and must be renewed on the 10 year master lease cycle. (Except as noted in 6110.227)

**6110.223** If the dock transfers ownership, the site SUBLESSEE may withdraw permission within 30 days of notification of transfer.

**6110.224** Upon transfer of ownership for either lease, written approval or disapproval must be provided to the Board of Directors prior to the transfer.

**6110.225** Sub lessee of site may not receive any financial compensation from dock owner for use of site.

**6110.226** Both parties agree not to infringe on the reasonable use of the site and the dock. Unreasonable use would be things such as loud music, foul language, and other behavior generally deemed unneighborly.

**6110.227** Since waterfront lease site holders pay extra for the privilege of lake frontage, they may, with good cause, request the Board of Directors to cancel the approval for the non-lakefront holders dock placement.

**6110.23** Dock owner shall show reasonable access to proper sanitation facilities as part of the application.

**6110.24** Dock shall not be placed at any campground or day use site.

**6110.25** It is the dock owners responsibility to find a suitable site for a dock.

**6110.30 Construction:** Construction and maintenance shall be in accordance with RLCSO policy number 6100, Guidelines for construction of docking and mooring facilities.

**6110.40 Identification:** All docks on Ruth Lake must be identified with the lease number using three inch numerals and letters placed so as to be visible from the water and the shore.



**6110.50 Unidentified docks moored to lease sites:**

**6110.51** Unmarked docks are considered an unauthorized improvement to the lease site and subject the owner or lessee to possible termination of the lease under provisions of the contract.

**6110.52** If the lessee or dock owner can be identified, the owner shall be required to number or remove the dock within thirty days.

**6110.53** If the dock remains unmarked after thirty days the district may:

A. Mark the dock and charge the owner a fee of \$50.00.

B. Remove and dispose of the dock by destruction or sale.

C. Terminate the lease contract for violating its terms and conditions.

**6110.60 Docks loose on the lake**

**6110.61** Docks loose on the lake constitute a safety hazard to lake users and other structures on the lake.

**6110.62** The District shall, when safe, retrieve loose docks and secure them.

**6110.63 Marked Docks;** The owner of an identifiable dock shall be contacted and given an opportunity to retrieve the dock as soon as it is safe to do so. The dock may be returned to the lease site as soon as an acceptable anchoring plan is submitted to the District, and any retrieval and storage fees are paid.

**6110.631** Docks which have been identified but not claimed by the owner after thirty days may be destroyed or sold by the District, the owner charged retrieval and storage fees, and the lease may be subject to termination for violation of its terms and conditions.

**6110.64 Unmarked Docks:** Docks which can not be identified shall be secured and stored by the District for a minimum of thirty days.

**6110.641** If the dock is claimed within the thirty day period, it may be returned to the lease site after it is marked with the lease number, an acceptable anchoring plan is submitted to the District and any retrieval and storage fees are paid.

**6110.642** Docks which are not claimed within thirty days may be destroyed or sold by the District.

**6110.70 Dock anchoring requirements:**

**6110.71** All dock anchors and lines should be able to withstand a 4,000 pound lateral pulling force. Each dock shall have a minimum to two such anchors. (See policy #6100 for detailed anchoring requirements.)

**6110.72** Manta Ray Earth Anchor Systems provide different types of anchors. The MR-88 is recommended by Winzler and Kelly, Consulting Engineers.

Approved by the RLCS D Board of Directors: June 11, 1998

Revised January 10, 2008

Approved revisions by the RLCS D Board, October 8, 2009

**RUTH LAKE COMMUNITY SERVICES DISTRICT**  
**Policy Handbook**

**POLICY TITLE: Guidelines for the construction of recreational dock and mooring facilities**

**POLICY NUMBER: 6100**

**6100.00** This policy is intended as a general guide for the construction of recreational docks on Ruth Lake, and is to be used in conjunction with policies 6110 "Boat Docks for Recreational sub-lease holders," and 6120 "Boat Docks for businesses local to the Ruth Lake Area."

**6100.10 Size and placement:**

**6100.11** Docks may be up to 400 square feet.

**6100.12** Docks and ramps shall not extend more than 30 feet from the waters edge. Exceptions will be considered when water depths are not sufficient to allow for safe boating or swimming within thirty feet from the waters edge.

**6100.13** Docks located on blind corners, high traffic areas, or in water skiing areas shall be marked on the lakeside corners with a high visibility marking system.

**6100.20 Mooring systems:**

**6100.21** All docks must be attached to the shore or underwater with cables, anchors, or dead-mans, by at least two connections capable of controlling the lateral movement of the dock. Each connection must be capable of resisting a 4,000 lb pulling force.

Anchor cables or other securing devices shall not be attached to trees unless all of the following conditions are met: 1) the tree is alive and looks healthy, 2) it is a minimum of 30-inches in circumference (approximately 10-inches in diameter), and 3) the roots are not exposed and are securely in the ground.

Any steel post or stake must have a cap or device to ensure cable or securing device cannot slip off.

**6100.22** Mooring systems must not restrict access along the waters edge.

**6100.23** Mooring systems which pose a trip hazard must be well marked.

**6100.24** Mooring systems shall allow for adjustment to a minus 34 foot water level from dam spillway elevation to a plus 20 foot water level.

**6100.30 Floatation systems:**

**6100.31** Floatation design and material shall be resistant to sinking if damaged.

**6100.32** Dock and gangway floatation systems shall be designed such that a 350 pound weight placed at any point on the dock or gangway shall not cause a tilt greater than one inch in one foot.

**6100.33** Exposed Styrofoam is not allowed. Encapsulated Styrofoam billets which have deteriorated or broken must be replaced before Styrofoam "bb's" can enter the lake.

**6100.34** The float system must be capable of supporting the entire weight of the dock without damage if beached.

**6100.40 Construction:**

**6100.41** Materials used must be weather and corrosion resistant

**6100.42** Corrosion resistant coatings must be approved for marine applications.

**6100.43** Treated wood is not allowed within six inches of water.

**6100.44 Docks** must be constructed to withstand the rigors of beaching and strong wind and wave action.

**6100.45 Decking:**

**6100.451** Plywood (if used) shall be 3/4 inch thick minimum.

**6100.452** Use of 'two by' lumber or commercially available decking is encouraged.

**6100.46 Ramp ways, Gangways, or walkways:**

**6100.461** Ramps shall be a minimum of 24 inches wide, and a maximum of 36 inches wide. Exceptions will be considered to accommodate wheelchairs or other special circumstances on a case by case basis.

**6100.462** Any portion of a walkway or deck more than 30 inches above shore must be protected by a guardrail of a design currently approved by the Trinity County building department for decks, walkways and stairs.

**6100.47** Docks shall be constructed and maintained in such a manner as to blend with the surrounding area as much as possible without interfering with safe boating concerns addressed in item 6100.13

**6100.48 Docks** shall be maintained to provide for the safety of all potential users, for example: no holes in the decking, no exposed nails, and no loose carpet edges.

**6100.49** Design loads for docks shall reflect the Trinity County Standard for live load, wind load, and snow and ice loads and be specific to the dock location. Docks shall be designed to have a minimum Live Point Load of 400 pounds.

**6100.50 Identification:** All docks shall be identified with the lease number using three inch numerals and letters placed so as to be visible from the water and the shore.

**6100.60 Permits, approvals, and inspections:**

**6100.61** Prior to the placement of a dock on Ruth Lake, The Ruth Lake Community Services District and the Humboldt Bay Municipal Water District must approve the placement and construction details of the dock.

**6100.62** A written application must be made to the RLCSD containing:

**6100.621** A plot plan showing the dimensions and placement of the dock and mooring system.

**6100.622** A plan showing construction details and dimensions.

**6100.623** A description of materials to be used.

**6100.624** A time frame stating approximately when construction shall begin and complete. Projects must be completed within one year of approval.

**6100.63** Cables and anchor systems, detailed in section 6100.21, must be in good condition and inspected annually by the owner. Also RLCSD will inspect all dock

anchoring systems annually.

**6100.70 Supersession:** This policy supersedes the RLCSD Dock Policy dated June 11, 1992, and the undated "Guidelines for Construction of Docking and Mooring Facilities."

Approved by the RLCSD Board of Directors: March 7, 1996

Approved revisions by RLCSD Board of Directors: November 12, 09

Approved revisions by RLCSD Board of Directors: November 8, 2011



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RUTH LAKE CSD

PAGE 01

Aug 10 01 12:34p

Richard James Tine

(707) 725-3886

P. 1

*Becky***Richard James Tine**

ATTORNEY AT LAW

t  
95540Phone (707) 725-3800  
Fax (707) 725-3886

August 10, 2001

**Via Fax and Regular Mail (three pages)**

Mr. A. Michael Gladding  
 Administrator  
 Ruth Lake CSD  
 P. O. Box 31  
 Mad River, CA 95552-0031

Re: August 9th Letter; Deeded Access to and from Ruth Lake APN # 018-520-21

Dear Michael:

Thank you for your prompt response to my August 7th letter wherein we were requesting your consideration on placing a dock on the lake.

We concur with the spirit and intent to preserve the natural beauty of Ruth lake which is why we are purchasing property there.

I have enclosed an enlargement of a topo map showing the fee simple parcel APN# 018-520-21 which is approximately 37+ acres on both sides of the West Bank Road. Additionally the road that you see off the west bank road broken line is a private gated road owned in fee shared by the owners of the subject parcel and the adjacent property owner Mr. Filben. The subject parcel was purchased from the Dillion family which you know had ownership prior to the construction of the lake and west side roads. Easements for the West Bank Road were deeded to HBMWD, Trinity County and The United States of America.

On the property there currently exists a mobile home, minor improvements and a water tank which appear to have been there since 1970 wherein the Dillions conveyed the parcel to the Barnes Family who were the owners for over twenty-seven years.

On the enlargement topo which is enclosed I have drawn in the approximate deeded easement which is referenced as a 12 ft roadway to and from the Lake (over the buffer zone) which connects to the private gated road and West Bank Rd. It currently exists and goes to the waters edge. The only access is over the above mentioned private road which is gated and would only be used by us and the adjacent property owner Mr. Bruce Filben.

I have ordered an Aerial photograph which clearly shows this access as well as instructed The Trinity County Title Company to plot all easements affecting the subject parcel.

08/10/2001 13:37 7075746271

RUTH LAKE CSD

PAGE 02

Aug 10 01 12:34p

Richard James Tine

(707) 725-3886

P.2

Mr. Michael Gladding  
August 10, 2001  
Page 2

Both the Humboldt Bay Municipal Water District and the Ruth Lake Community Services District should be pleased that we are purchasing this property because we will take steps to clean up some debris as well as preserve the natural beauty. (This land was recently logged).

I wanted you to have the benefit of the enclosed information and will forward a formal request and further information to hopefully make the next Board meeting.

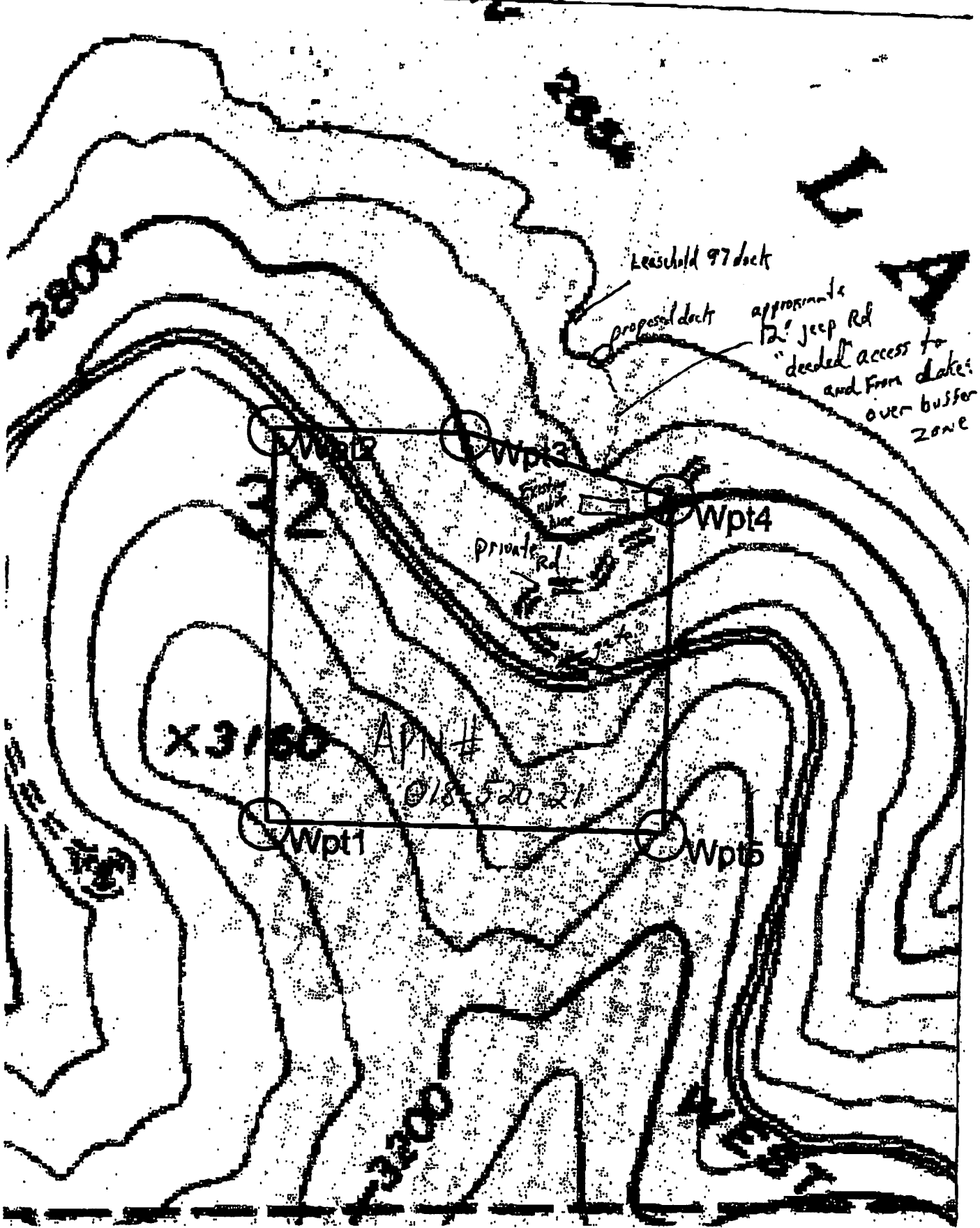
While we understand the Board's unwillingness to allow docks for other than recreational leaseholders, we feel that our request should be evaluated as an enhancement rather than clutter due to the history and legal circumstances of this property. As I will keep you further apprised and thanking you for your expeditious reply, I am,

Very truly yours,



Richard J. Tine

RJT/tm  
enclosures



**Ruth Lake Community Services District**

Telephone: (707) 574-6332

Fax (707) 574-6271

e-mail: ruthlakecsd@saber.net

P.O. Box 31

Mad River CA 95552

① CC: Brian - do you  
know what's  
requested here?

② cc: Barry

f/b

August 9, 2001

Mr. Richard James Tine  
649 Main Street  
Fortuna, Ca. 95540

Dear Richard:

Thank you for your letter of August 7 in which you are requesting permission to place a dock on Ruth Lake. Unfortunately, we received it too late to put it on the agenda for the Board of Directors meeting this evening.

The Board of Directors of the Humboldt Bay Municipal Water District (the property owners) and the Ruth Lake Community Services District have always sought to control development around the lake to enhance and preserve the natural setting. Both Boards are especially sensitive to development on the west side, especially as it relates to roads and vehicle access. Neither Board wants to see vehicles on the buffer strip on the west side. We are unclear if you are stating the deeded access you are referring to includes the buffer strip property or not. Could you please send a copy of that portion to us at your convenience?

The respective Boards have also been unwilling to allow docks for other than recreational sub-leaseholders to avoid the proliferation of docks and clutter which plague other lakes and reservoirs. HBMWD retains the right to deny any improvement request as part of the original lease agreement.

This is a Board decision, and the next RLCSD meeting will be on September 13, 2001, 7 PM at the Community Hall on Van Duzen Road in Mad River. Please let me know if you would like it to be placed on the agenda, I will need to know by September 7th at noon. If you have printed material to present to the Board, I will need that in hand by September 10th. Please allow 2-3 days for delivery of mail from Fortuna.

If you have any questions, please do not hesitate to call. I am usually here Monday - Friday between 8 AM and 2 PM. Development around the reservoir is always a difficult subject, and our Board is most willing to discuss it.

Sincerely,



A. Michael Gladding  
Administrator

cc: Humboldt Bay MWD



08/07/2001 13:34 7075746271

RUTH LAKE CSD

PAGE 01

Richard James Tine

(707) 725-3886

P. 1

# Richard James Tine

ATTORNEY AT LAW

649 Main Street  
Fortuna, California 95540

Phone (707) 725-3800  
Fax (707) 725-3886

Priority	Date	# of pages
Fax Note		
To	Becky	
From	HBmw	
Phone#		

4  
and Regular Mail (three pages)

August 7, 2001

Michael Gladding  
Administrator  
Ruth Lake CSD  
P. O. Box 31  
Mad River, CA 95552-0031

Re: Information on CSD leaseholds; July 30, 2001 letter leaseholds 96, 96A Ski Cove;  
APN # 018-520-21

Dear Michael:

Thank you for providing me and my wife Lisa information on Ruth Lake CSD leaseholds. We were sorry that we didn't get to see you at the festivities this past weekend but with two boys one and three and half you can imagine we are always behind.

We did however get to the above boat access leaseholds as well as those that are currently on the market from leaseholders and have determined that the 96 and 96A would be too rough for the young children.

What did occur is that we are in contract to purchase "fee simple" ownership of APN # 018-520-21, 37 +/- acres located on both sides of West Bank Rd directly across the lake approximately from Fir Cove and Bailey Canyon campgrounds.

I have enclosed for your easy reference a Plat Map as well as a Topo Site map showing the boundaries to Lake District Property. Currently on the parcel are improvements of a mobile home, with septic system which appear to have been there for a long time.

Pursuant to legal documents of record on the parcel there is a "Deeded" right of way access for a 12-foot roadway as ingress to and egress from Ruth lake. This easement accesses the Lake across a cove from Leasehold 97 (that number was on the dock). Additionally, we are told "by a handshake agreement" the owner of leasehold 97 and the owner of the subject property shared the dock.

As the shore where we will have access to the lake is rocky in some spots we are asking for your consideration placing a dock on the shore where we have access to the lake.

We obviously, would agree to be bound by all the conditions, covenants, rules, policies, that other dock owners have and would pay an annual fee as required.

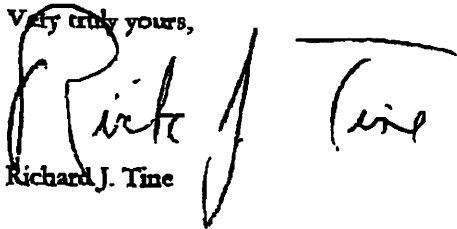
Mr. Michael Gladding  
August 7, 2001  
Page 2.

We feel that our request is both within the spirit and letter of the recreational purpose of the lake and would additionally provide platform for the children to swim, which would be an upgrade of the shore where we will have access.

While I believe the above is a lot of information, we did want to thank you for your help with the information on the lake, and did want to pursue the dock as we will be closing escrow within the next month.

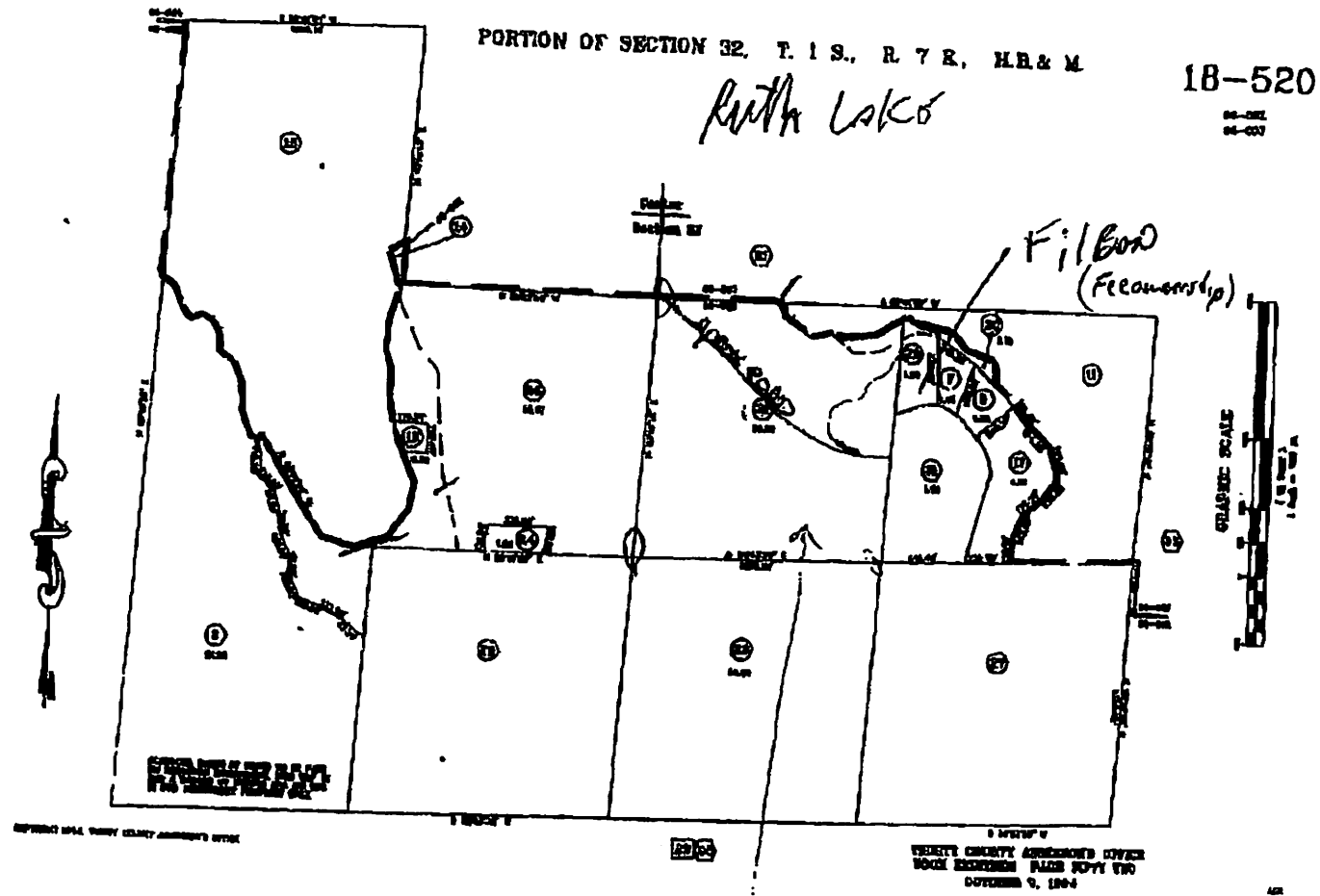
I will give you a call next week to further discuss. Should you require any further information or documentation please feel free to contact me. Thanking you for your professionalism in our previous inquiry, I am,

Very truly yours,

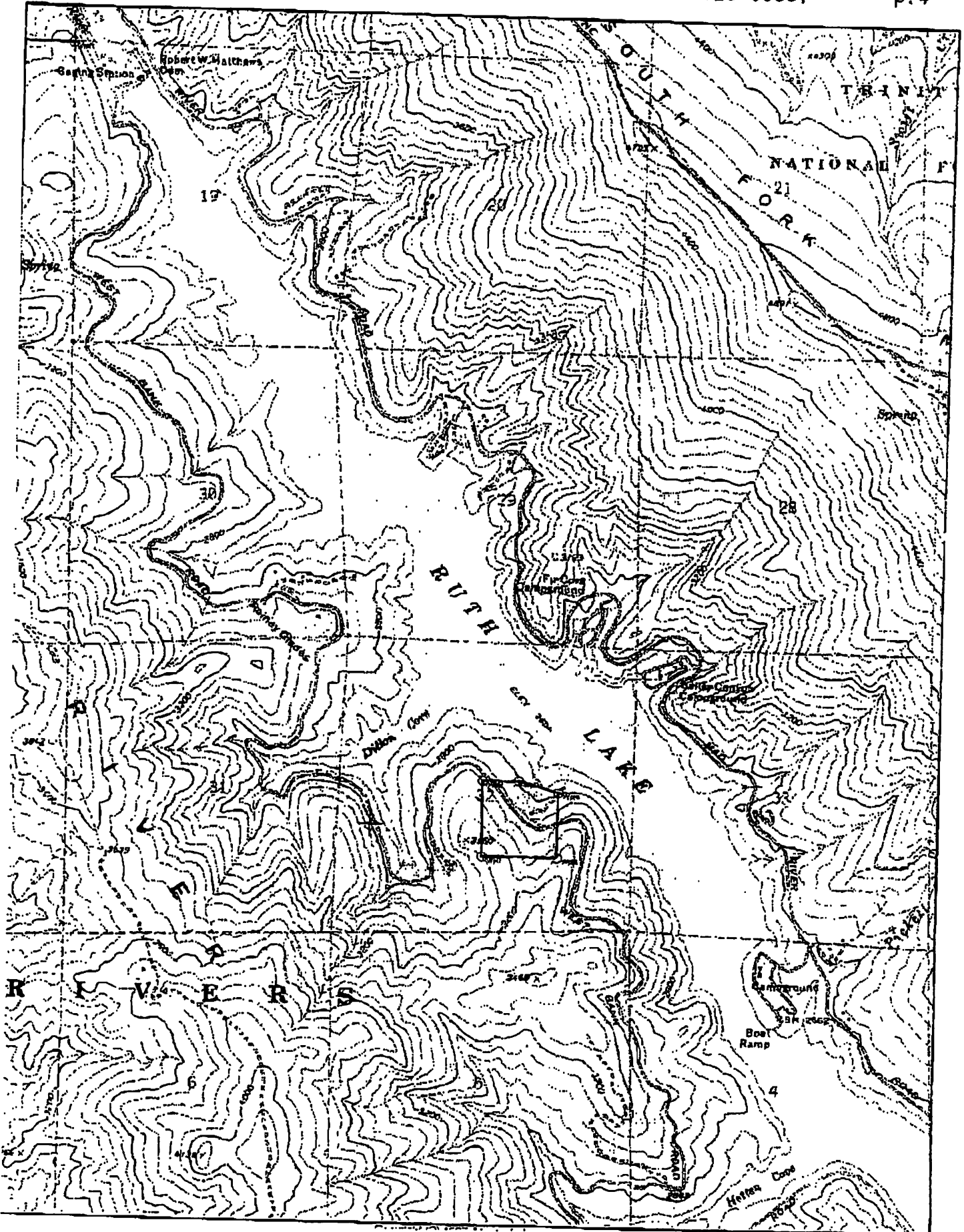
  
Richard J. Tine

RJT/tm  
enclosures

Bailey, I.L.  
Dateman



Parcel 21 APN# 018-520-21  
Fee Ownership  
Bold line is Lake District Boundary





**Humboldt Bay Municipal Water District**

To: Board of Directors  
From: John Friedenbach  
Date: August 4, 2020  
Subject: Memorandum of Understanding (MOU) with Laurel Tree Charter School

**Discussion**

At last month's Board meeting staff presented an MOU from the Laurel Tree Charter School (LTCS) to use the District's Park 1 as an outdoor learning forum for the upcoming school year. The MOU has been reviewed and modified by District Counsel. The MOU has been reviewed by the ACWA-JPIA for compliance with our insurance program. They have not expressed any concerns.

LTCS requests use of Pump Station 1 as a place to hold classes for their middle and high school student for the 2020-21 school year. They propose having four teachers meet with forty-five mixed age students at the site in the morning and afternoon. Each teacher would be responsible for a group of 10-15 students and would remain separated from the others to lower exposure and limit risks. The School Board governing LTCS will be making a determination soon if they will allow in classroom or online instruction due to the Covid-19 pandemic.

**Fees for Use**

Our established Park 1 fees are \$25 for reservation and use of the gazebo area. Since LTCS would be using this facility as part of its use of the park, the District would be prevented from collecting this fee from other potential park users. Therefore, the lost opportunity cost would be \$25 per day. LTCS has agreed that a fee of \$25 per day of use (maximum of 4 days per week or \$100 per week) is a reasonable fee for use of Park 1 and they are willing to pay that amount.

**Staff Recommendation**

Staff recommends that the Board approve entering into MOU with Laurel Tree Charter School with a rental fee of \$25 per day of use effective immediately. I.E. Only to be charged if the Park is actually used.

SECTION 8.4, PAGE NO. 2

**Memorandum of Understanding between  
Humboldt Bay Municipal Water District and Laurel Tree Charter School**

**THIS MEMORANDUM OF UNDERSTANDING** (this “MOU”) is made as of August 13, 2020, by and between the Humboldt Bay Municipal Water District, a California public entity (“District”), and Laurel Tree Charter School, a California domestic nonprofit corporation (“School”).

This MOU is entered into based on the following recitals of facts:

A. The District owns and operates certain real property located along the Mad River and referred to as 7270 West End Road, Arcata, CA (the “Property”). The District operates certain municipal water systems and facilities on the Property and also permits, subject to District law, rules, and regulations, a certain portion of its property for public recreation.

B. In light of the COVID-19 pandemic, School intends to conduct its classrooms outdoors on the Property in order to lower the risk of infection for staff and students. In particular, School intends to hold class on the Property for middle school students in the morning and for high school students in the afternoon.

NOW, THEREFORE, the parties to this MOU agree as follows:

1. **Use of the Property for Classroom Instruction.** School shall have the right to utilize that portion of the Property designated on Exhibit A hereto (the “Premises”) for use as an outdoor classroom area Monday through Thursday from 8:30 AM to 3:30 PM, commencing on September 1, 2020, through October 31, 2020. Notwithstanding the foregoing, the District reserves the right to close or restrict all or any portion of the Property (including the Premises) during an emergency or for health, safety, maintenance or watershed management purposes or for any other reason in the District’s sole discretion. To the extent feasible under the circumstances, the District will provide School ten (10) days’ written notice of any closure or use restriction that would affect the School’s right to use the Premises in the manner contemplated by this MOU. School shall provide District ten (10) days’ written notice of cancellation due to Covid-19 health limitations for use of the Property.

2. **Fee for Use of Premises.** School shall pay to District a monthly fee equal to \$400 in advance, on the first day of each month for the right to use the Premises during the times set forth above in Section 1. The fee is based on School using the Premises for 16 days during each calendar month at \$25.00 per day. In the event School uses the Premises less than 16 days during a calendar month, School shall notify the District at the conclusion of the month and indicate the number of days of actual use. Upon Confirmation, the District shall reimburse the School an amount equal to the number of days not used at \$25.00 per day.

3. **Rules and Regulations for Use of the Premises.** School agrees to comply with the following rules and regulations while on the Property and in its use of the Premises:

- School shall comply with any and all applicable laws, regulations, and orders governing its operation as a Charter School and in its use of the Property, including the Premises.
- School shall comply with all public health mandates concerning COVID-19 and will obtain an approval of its reopening plan and certificate of reopening from the Humboldt County Health Department prior to using the Premises. School will provide a copy of its approved reopening plan and certificate of reopening to the District prior to using the Premises and shall be responsible for compliance with its reopening plan during its use of the Property.
- On a daily basis, School will leave the area clean, free of School property, supplies, tools or hazards, and in a usable state for the general public. It is understood that School’s use of the Premises is non-exclusive.

- School shall comply with all rules and regulations adopted by the District that are applicable to the Property, including, without limitation, District Ordinance 22.
- School shall ensure adequate supervision of all students. At minimum, there shall be at least one teacher employed by School per 15 students on the Property. The District has no responsibility to provide any level of supervision.
- School may use the Premises solely for classroom purposes using a Forest School STEAM (science, technology, engineering, art, math) model. The Premises shall not be used as a playground area, but as an outdoor classroom space with classroom rules and expectations.
- School shall provide portable handwashing stations to the Premises whenever the Premises are in use by School and shall store the handwashing stations daily upon the conclusion of classroom activities in the manner required by Section 5, below.
- School shall provide adequate, portable shelter in the event of rain and shall store the shelters daily in the manner required by Section 5, below.
- School shall not make any alterations to the Premises or the Property without the prior written consent of the District's General Manager.
- School shall provide collective transportation by bus of all students to and from the Property each day.

**4. Use of Restroom Facilities.** School shall have the non-exclusive right to use the public restroom facilities located on the Property. School shall provide, at its cost and expense, regular cleaning service of the restrooms on at least a two-times per day basis during each day the Premises are used and shall be responsible for ensuring the restroom facilities are adequately supplied with toiletries, including toilet paper. In the event School fails to provide adequate cleaning services of the restroom facilities, the District may perform this obligation on School's behalf and at School's expense. School shall reimburse the District within ten (10) days of receiving a demand for reimbursement. School shall have the exclusive responsibility to ensure the safety and supervision of all students using the restroom facilities.

**5. Storage.** School shall be responsible for ensuring that any supplies, desks, or other items needed to conduct classroom activities on the Premises are securely stored at the conclusion of each day of use. If School desires to store the items on the Property, the District will make space available within the Property parking lot for School to locate a small container to store its items. The storage container should be clearly marked "Property of Laurel Tree Charter School" and shall be securely locked. The District is not responsible for providing any level of security and shall not be held liability for any loss, theft, or other damage to School's property.

**6. Insurance.**

**6.1 Liability Insurance.** School shall provide and maintain general liability insurance (as broad as ISO Occurrence From CG 0001) with limits of at least two million dollars (\$2,000,000) per occurrence or the full per occurrence limit of the policy, whichever is greater (\$4,000,000 general aggregate, if used) for bodily injury, personal injury and property damage arising out of the activities and properties as described herein. Coverage shall include contractual liability covering the School indemnity obligations in Section 7. The general liability coverage shall give Humboldt Bay Municipal Water District, its directors, officers, employees, and authorized volunteers insured status using ISO endorsement as broad as CG 2011 85 or CG 20 26 0413. School shall provide the District with a certificate of insurance and additional insured endorsement before scheduled use. Such insurance shall be primary and any insurance, self-insurance or other coverage maintained by District, its directors, officers, employees, or authorized volunteers shall not contribute to it (as broad as ISO endorsement CG 20 01 0413). Coverage is to be placed with a carrier with an A.M. Best rating of no less than A-:VII, or equivalent, or as otherwise approved by the District. School shall, upon demand

of the District, deliver to the District copies such policy or policies of insurance and the receipts for payment of premiums thereon.

**6.2 Worker's Compensation Insurance.** School shall insure, or be a qualified self-insured, with respect to the applicable laws relating to workers' compensation coverage (California Labor Code Section 3700), all of School's employees working on or about the Property. School shall provide the District with a certificate of Workers' Compensation and Employer's Liability insurance coverage to be placed with a carrier with an A.M. Best rating of no less than A-VII, or equivalent, or as otherwise approved by Humboldt Bay Municipal Water District. The employer's liability limit shall be no less than the statutory minimum for each accident or disease.

**6.3 Waiver of Subrogation.** School hereby grants to the District a waiver of any right to subrogation which any insurer of School may acquire against the District by virtue of the payment of any loss under such insurance. School agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the District received a waiver of subrogation endorsement from the insurer.

**6.4 Renewal.** If any of the above coverages expire during the term of this agreement, School shall deliver the renewal certificate(s) including the general liability additional insured endorsement to the District at least ten (10) days prior to the expiration date.

**7. Release and Indemnity.** To the fullest extent permitted by law, School agrees to be solely responsible for, and releases the District its directors, officers, employees, or authorized volunteers from, any and all injuries, damages, and claims to persons or property arising out of its use of the Property, except for any such claims arising out of the sole negligence or willful misconduct of the District or its directors, officers, employees, or authorized volunteers. School agrees to immediately defend, hold harmless, and indemnify the District, its directors, officers, employees, or authorized volunteers against any and all such injuries, damages, and claims. This indemnification agreement shall not be restricted to any insurance proceeds and shall survive the termination or expiration of this MOU.

Without limiting the generality of the forgoing, School acknowledges that there are certain risks inherent in conducting classroom activities on the Premises, including (i) the proximity of the Mad River to the Premises; (ii) risks inherent in swimming activities in the river, it being understood that there are no lifeguards on duty; (iii) the presence of equipment and infrastructure operated by the District on the Property that may be attractive to children; (iv) inclement weather and the risk of falling trees; and (v) other such risks inherent in conducting classroom activities for children in an outdoor public space. School expressly and irrevocably releases the District from any liability for injury resulting from these risks.

**8. Termination.** This MOU may be terminated as follows: (i) immediately upon mutual consent by the parties hereto; (ii) upon thirty (30) days prior written notice by either party for any reason or no reason at all; (iii) in the event of a breach of this MOU that remains uncured after notice from the non-breaching party and ten (10) days' opportunity to cure.

\_\_\_\_\_  
Brenda L. Sutter - Lead Teacher Laurel Tree Charter

\_\_\_\_\_  
Date

\_\_\_\_\_  
John Friedenbach – General Manager HBMWD

\_\_\_\_\_  
Date



# Exhibit A



**Humboldt Bay Municipal Water District**

To: Board of Directors  
From: John Friedenbach  
Date: August 4, 2020

Re: Ruth Lease Lot Tree Removal Procedures

**Background / History**

As the Board is aware, the District owns property adjacent to Ruth lake. Typically, this property is referred to as the "Buffer Strip". In certain areas, the Buffer Strip has been subdivided into lots that are leased through the Ruth Lake Community Services District (RLCSD) to individuals for recreational use. RLCSD and our District have developed policies and procedures regarding use and improvements to the Lease Lots. At our April Board meeting, the Directors approved the attached Tree Removal Procedures to provide a more efficient process to allow Lease Lot holders to self-remove smaller diameter trees and to allow the use of licensed tree fallers to remove larger diameter trees. See attached Removing Dead, Dying and Diseased Trees procedures.

**Discussion**

During the July Board meeting the Directors asked staff to bring back the procedures for discussion. Apparently, there was some confusion regarding the newly approved procedures and an inquiry that was made during the RLCSD joint board meeting on June 26<sup>th</sup>. One of the RLCSD Directors had posed the question: "How do boat lease lot holders on the west side of the lake remove dead, dying or diseased trees?"

Staff mentioned during our July meeting that the lease lot improvement form for tree removal includes a requirement that it is the lease lot holder's responsibility to remove the tree from their site. The District is not responsible for these costs. Lease lot holders are allowed to use felled trees for fire wood.

Staff has also inquired of the US Forest Service if they have any recommendations.

## HUMBOLDT BAY MUNICIPAL WATER DISTRICT PROCEDURES Removing Dead, Dying, and Diseased Trees

Cancels:  
See Also:

Approved by: John Friedenbach, General Manager

### A. Background:

- a. Humboldt Bay Municipal Water District (The District) considers the timber existing on its property surrounding Ruth Lake and the R.A. Matthews Dam to be an asset belonging to the District.
- b. The District acknowledges that dead, dying, and diseased trees can pose a threat to people and property.
- c. The District acknowledges that trees felled in close proximity to Ruth Lake have a potential to add debris to Ruth Lake and/or potentially damage infrastructure of the R. A. Matthews Dam.
- d. The District maintains an annual contract with a Licensed Timber Operator (LTO) to better manage the timber asset.
- e. The District LTO is required to maintain insurance, indemnifying the District.
- f. The District requires its LTO be contacted/consulted regarding removal issues for trees greater than 12 inches in diameter.

### B. Procedures:

- a. All requests for removal of dead, dying, and diseased trees shall follow the established & approved policy regarding any land lease improvements.
- b. Additionally, lessee must contact the District's LTO for an evaluation of the tree(s) in question.
  - i. If the tree is greater than 12 inches in diameter (37-inch circumference)
  - ii. if the tree is less than 12 inches in diameter, Lease Lot holder may remove the tree without LTO. Lease Lot Holder will be required to sign waiver of liability with the District.
- c. The LTO will have two weeks to respond, inspect, and provide a report to the District.
- d. If the LTO fails to respond or is unavailable, the lessee may (at their own expense) contact another licensed/certified tree faller.
  - i. Licensed/certified tree faller must provide a copy of their credentials to the District
  - ii. Licensed/certified tree faller may be required to provide a Certificate of Insurance (see g.i. below)
- e. District's decision will be based on input from the LTO (or other licensed/certified tree faller) if tree is greater than 12 inches in diameter; or Ruth Area Representative if tree is less than 12 inches in diameter.
- f. District will issue a written decision within 14 days of receiving report from LTO (or licensed/certified tree faller).
- g. If approved, the felling/removal of the tree(s) greater than 12 inches in diameter must be performed by either the District's LTO or a licensed/certified tree faller.
  - i. If licensed/certified tree faller is used for felling/removal of tree(s), a Certificate of Insurance, indemnifying the District and District's LTO is required.
- h. At no time may a tree be felled/removed without prior written approval by Humboldt Bay Municipal Water District.
- i. At no time may an approved tree greater than 12 inches in diameter be felled/removed without using the District's LTO (or a licensed/certified tree faller with appropriate insurance on file (see g.i. above)). Intentional felling/removal of trees without authorization may be considered unpermitted timber harvest and/or theft of timber asset.

HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
828 7<sup>th</sup> Street, Eureka



Minutes for Meeting of Board of Directors  
April 09, 2020

you, staff has adequate supplies currently. On motion by Director Fuller, seconded by Director Latt, the Board 5-0 by roll call vote to approve Consent Items 1,3 and 7.

7. Operations Monthly Report

President Woo stated she pulled the section to have the discussion regarding operations staffing that just occurred.

F. NEW BUSINESS

Surplus Items

Mr. Davidsen stated he is requesting surplus of two items. The first is a vehicle that was replaced with a budgeted new vehicle. It is a 2004 Ford F-250, 5.4 L Triton V-8 super cab. The second item a 1995 Onan 4500-watt, 120/240 propane generator. The generator is no longer needed with the large Trinity County/Verizon tower and power facility. On motion by Director Latt, seconded by Director Lindberg, the Board voted 5-0 by roll call vote to declare the items surplus.

Revisions to Tree Removal Policy at Ruth

Mr. Friedenbach stated the District owns the property that is leased through Ruth Lake CSD for recreational purposes. Trees growing on the property are legally District property and therefore strict policies for their removal are in place. Unfortunately, the Licensed Timber Operator (LTO) has been unresponsive under the current procedures in place. Additionally, the lack of availability of a certified arborist in Ruth has been challenging. Obtaining services from an arborist in Weaverville or Redding is cost prohibitive. This resulted in frustration by staff and lease lot holders and is negatively affecting the timely removal of dead, dying and diseased trees. No live trees are taken unless it poses a hazard threat to people or property.

Staff is proposing a new procedure to allow the lease lot holder to self-remove dead, dying and diseased trees up to 12 inches in diameter with prior review and authorization from the District. Trees larger than 12 inches in diameter will require removal by a licensed tree faller with a certificate of liability insurance naming the District as an additional insured under the policy. Director Latt inquired if Ruth Lake CSD has seen the proposed procedure changes. Mr. Friedenbach stated yes, the information was shared with their General Manager Caitlin Canale. Her only concern was regarding the additional insured required for the licensed tree faller.

After a brief discussion by the Board, on motion by Director Latt, seconded by Director Rupp, the Board voted 5-0 by roll call vote to approve the revised Ruth Lease Lot Tree Removal Procedures.

Health Care Coverage Changes

Ms. Harris shared the proposed temporary revision of the Policy for Eligibility Requirements for Health Care Coverage. The COVID-19 circumstances prompted ACWA/JPIA (our health insurance provider) to alter their "hours" eligibility requirements in order to allow employees who have reduced work hours due to COVID-19 pandemic to continuously maintain their Health Care benefit eligibility as an "active" employee from March 1, 2020 through May 31, 2020 (this date may be extended in the future). This change would also apply to full-time employees working zero hours, whether paid or not. If an employee loses eligibility for a reason other than reduction or elimination of work hours related to the COVID-19 pandemic, the coverage termination date will not be extended. Director Latt inquired if this was mandatory. Ms. Harris replied no, but this allows our employees to maintain continuous health coverage if their hours drop below full time due to COVID-19. On motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 by roll call vote to approve the Temporary Revision for Eligibility for Health Care Coverage-Extension of Active Coverage.





## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

828 SEVENTH STREET, PO BOX 95 • EUREKA, CALIFORNIA 95502-0095

OFFICE 707-443-5018 ESSEX 707-822-2918

FAX 707-443-5731 707-822-8245

EMAIL [OFFICE@HBMWD.COM](mailto:OFFICE@HBMWD.COM)

Website: [www.hbmwd.com](http://www.hbmwd.com)

### BOARD OF DIRECTORS

SHERI WOO, PRESIDENT

NEAL LATT, VICE-PRESIDENT

J. BRUCE RUPP, SECRETARY-TREASURER

MICHELLE FULLER, DIRECTOR

DAVID LINDBERG, DIRECTOR

### GENERAL MANAGER

JOHN FRIEDENBACH

July 24, 2020

Delo Freitas  
Senior Planner  
City of Arcata  
736 F Street  
Arcata, CA 95521

**Re: Axel Properties, LLC Minor Subdivision (COA File No. 190-027-DR) ("Project")**

Ms. Freitas:

I write on behalf of the Humboldt Bay Municipal Water District ("District") regarding the proposed minor subdivision by Axel Properties, LLC ("Applicant" and "Property Owner") of the property located at 5550 West End Road, Arcata ("Property"). As you are aware, the District previously opposed the Project on the basis that it would interfere with the District's rights in and to a waterline easement located along the eastern portion of the Property, as more particularly detailed in the May 6, 2020 letter from our attorney Ryan Plotz to the Applicant with copy to you.

The District desires to withdraw its opposition and to recommend approval of the proposed Project with the conditions set forth below. Our decision to withdraw our opposition is based on certain assurances by the Applicant, as detailed in David Crivelli's June 16, 2020 letter to Mr. Plotz. We ask that the assurances be memorialized as project conditions by the City, as follows:

- Condition 1: That the Applicant and Property Owner grant and convey to the District an easement over, across and through "Parcel A" (i.e., the proposed access easement through Parcels One, Two, and Three) as detailed in the attached Tentative Map. The easement shall be in a form approved by the District.
- Condition 2: That the Applicant and Property Owner fill any portion of the existing detention pond located at the southern end of the Property so that no portion of the detention pond is located within five (5) feet of the western boundary of the District's thirty (30) foot easement described in the Easement Deed-Notice of Location recorded on November 9, 2016, as

Instrument No. 2016-021-316. The Applicant and Property Owner shall coordinate all work with the District to ensure the protection of the District's waterline infrastructure located within the 30-foot easement corridor.

Condition 3: That the proposed Drainage Easement depicted on the attached Tentative Map as "Parcel D" be constructed of subsurface pipes and drainage inlets so as to not interfere with or prohibit lateral access over the drainage easement to the District's 30 -foot pipeline easement corridor.

Condition 4: That the Applicant and Property Owner eliminate proposed "Rain Garden #9" and reduce proposed "Rain Garden # 4", each as depicted in the attached Site Plan with Lot Coverage Areas.

With these conditions imposed, the District supports this project. We appreciate the Applicant's cooperation and willingness to accommodate the District's concerns.

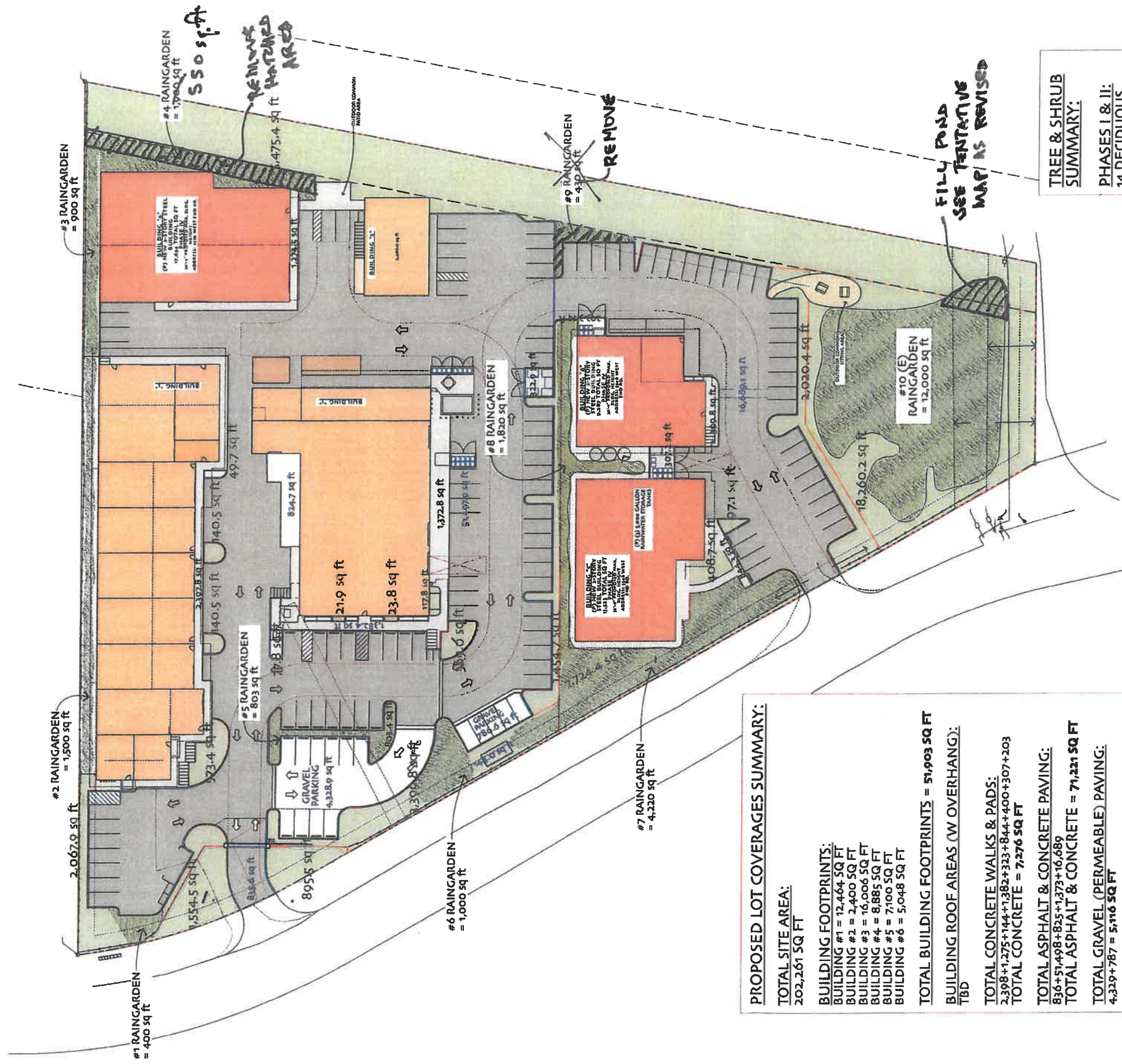
Please do not hesitate to contact me should you wish to discuss further.

Sincerely,



John Friedenbach  
General Manager

CC: Stacia Eliason  
David Crivelli



**TREE & SHRUB SUMMARY:**

**PHASES I & II:**

- 14 DECIDUOUS
- 2 EVERGREEN
- 22 DOGWOOD

**PHASE III:**

- 26 DECIDUOUS
- 0 EVERGREEN
- 19 DOGWOOD

**PHASE IV:**

- 28 DECIDUOUS
- 16 EVERGREEN
- 52 DOGWOOD

**PROPOSED LOT COVERAGES SUMMARY:**

**TOTAL SITE AREA:**  
202,261 SQ FT

**BUILDING FOOTPRINTS:**  
 BUILDING #1 = 12,464 SQ FT  
 BUILDING #2 = 2,400 SQ FT  
 BUILDING #3 = 16,006 SQ FT  
 BUILDING #4 = 8,885 SQ FT  
 BUILDING #5 = 7,100 SQ FT  
 BUILDING #6 = 5,048 SQ FT

**TOTAL BUILDING FOOTPRINTS = 51,903 SQ FT**

**BUILDING ROOF AREAS (W OVERHANG):**  
TBD

**TOTAL CONCRETE WALKS & PADS:**  
2,398+1,275+144+1,382+323+844+400+307+203  
**TOTAL CONCRETE = 7,276 SQ FT**

**TOTAL ASPHALT & CONCRETE PAVING:**  
836+51,498+825+1,373+16,689  
**TOTAL ASPHALT & CONCRETE = 71,221 SQ FT**

**TOTAL GRAVEL (PERMEABLE) PAVING:**  
4,329+787 = **5,116 SQ FT**

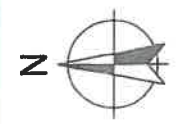
**TOTAL LANDSCAPING:**  
2,068+1,555+573+896+3,400+803+141+141+78+50+369+224+24+118+1,455+409+97+18,260+2,020+7,724+25,475 =  
**TOTAL LANDSCAPE AREA = 65,678 SQ FT**

**TOTAL NEW RAINGARDEN AREAS:**  
400+1,500+900+1,900+803+1,000+4,220+1,820+430  
 =12,973 SQ FT

**TOTAL EXISTING RAINGARDEN AREAS:**  
12,000

**TOTAL RAINGARDEN AREAS = 25,973 SQ FT**

**TOTAL LOT COVERAGE:**  
TBD



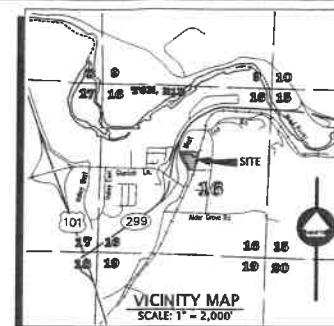
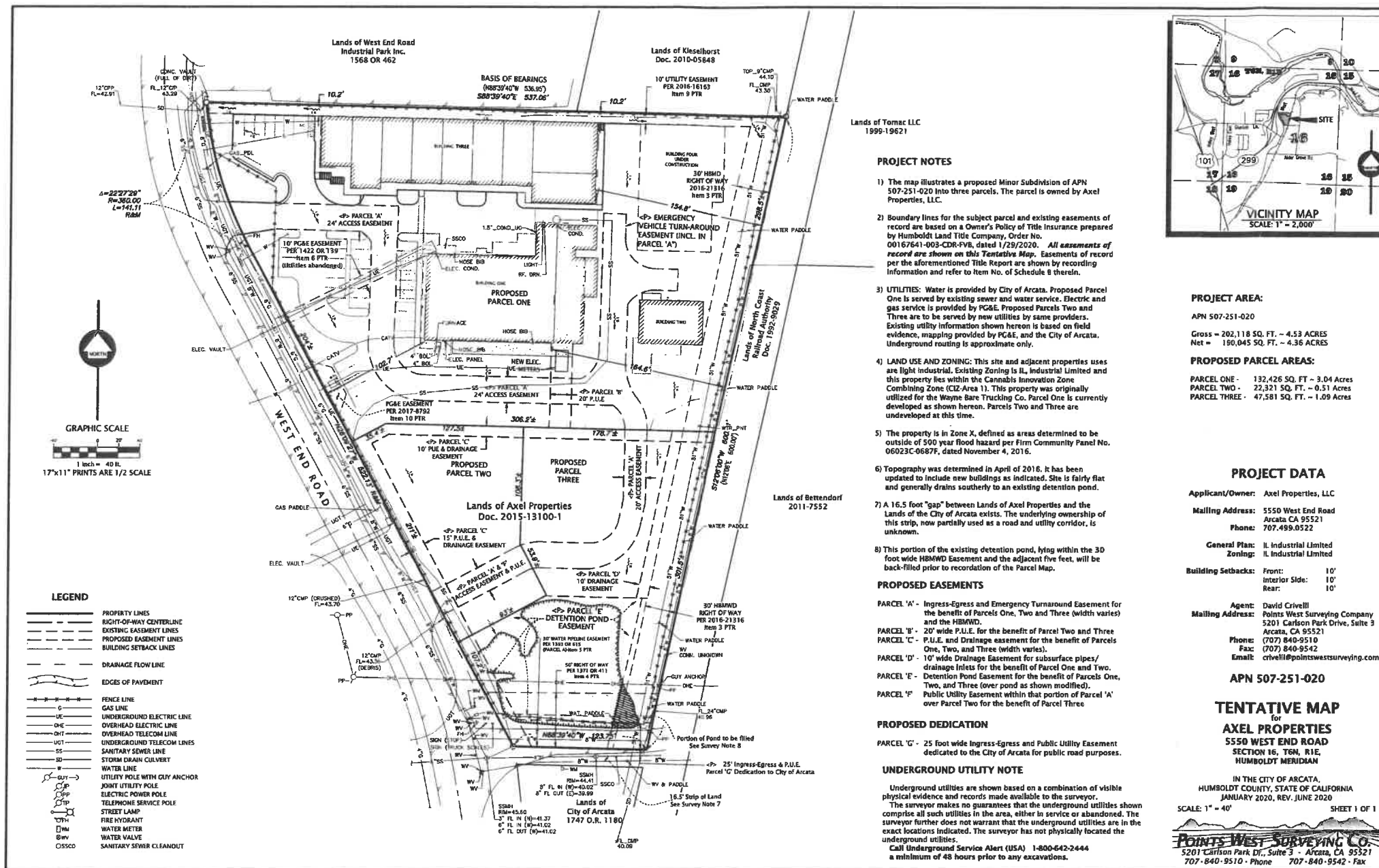
**SITE PLAN - WITH LOT COVERAGE AREAS**

4-12-19

REVISED SUNG 2020

SCALE: 1/32" = 1'-0" (23" X 34" PAPER SIZE)  
 1/64" = 1'-0" (11" X 17" PAPER SIZE)





- PROJECT NOTES**
- 1) The map illustrates a proposed Minor Subdivision of APN 507-251-020 into three parcels. The parcel is owned by Axel Properties, LLC.
  - 2) Boundary lines for the subject parcel and existing easements of record are based on a Owner's Policy of Title Insurance prepared by Humboldt Land Title Company, Order No. 00167641-003-CDR-FV8, dated 1/29/2020. All easements of record are shown on this Tentative Map. Easements of record per the aforementioned Title Report are shown by recording information and refer to Item No. of Schedule B therein.
  - 3) UTILITIES: Water is provided by City of Arcata. Proposed Parcel One is served by existing sewer and water service. Electric and gas service is provided by PG&E. Proposed Parcels Two and Three are to be served by new utilities by same providers. Existing utility information shown hereon is based on field evidence, mapping provided by PG&E, and the City of Arcata. Underground routing is approximate only.
  - 4) LAND USE AND ZONING: This site and adjacent properties uses are light industrial. Existing Zoning is IL, Industrial Limited and this property lies within the Cannabis Innovation Zone Combining Zone (CIZ-Area 1). This property was originally utilized for the Wayne Bare Trucking Co. Parcel One is currently developed as shown hereon. Parcels Two and Three are undeveloped at this time.
  - 5) The property is in Zorae X, defined as areas determined to be outside of 500 year flood hazard per Firm Community Panel No. 06023C-0687F, dated November 4, 2016.
  - 6) Topography was determined in April of 2016. It has been updated to include new buildings as indicated. Site is fairly flat and generally drains southerly to an existing detention pond.
  - 7) A 16.5 foot "gap" between Lands of Axel Properties and the Lands of the City of Arcata exists. The underlying ownership of this strip, now partially used as a road and utility corridor, is unknown.
  - 8) This portion of the existing detention pond, lying within the 30 foot wide HBMWD Easement and the adjacent five feet, will be back-filled prior to recordation of the Parcel Map.

**PROJECT AREA:**  
 APN 507-251-020  
 Gross = 262,118 SQ. FT. - 4.53 ACRES  
 Net = 160,045 SQ. FT. - 4.36 ACRES

**PROPOSED PARCEL AREAS:**

PARCEL ONE	132,426 SQ. FT. - 3.04 Acres
PARCEL TWO	22,321 SQ. FT. - 0.51 Acres
PARCEL THREE	47,581 SQ. FT. - 1.09 Acres

**PROJECT DATA**

Applicant/Owner: Axel Properties, LLC  
 Mailing Address: 5550 West End Road  
 Arcata CA 95521  
 Phone: 707.499.0522

General Plan: IL Industrial Limited  
 Zoning: IL Industrial Limited

Building Setbacks: Front: 10'  
 Interior Side: 10'  
 Rear: 10'

Agent: David Crivelli  
 Mailing Address: Points West Surveying Company  
 5201 Carlson Park Drive, Suite 3  
 Arcata, CA 95521  
 Phone: (707) 840-9510  
 Fax: (707) 840-9542  
 Email: crivelli@pointswestsurveying.com

**APN 507-251-020**

**TENTATIVE MAP**  
 for  
**AXEL PROPERTIES**  
 5550 WEST END ROAD  
 SECTION 16, T6N, R1E,  
 HUMBOLDT MERIDIAN

IN THE CITY OF ARCATA,  
 HUMBOLDT COUNTY, STATE OF CALIFORNIA  
 JANUARY 2020, REV. JUNE 2020  
 SCALE: 1" = 40' SHEET 1 OF 1

**POINTS WEST SURVEYING CO.**  
 5201 Carlson Park Dr., Suite 3 - Arcata, CA 95521  
 707-840-9510 - Phone 707-840-9542 - Fax

- LEGEND**
- PROPERTY LINES
  - RIGHT-OF-WAY CENTERLINE
  - EXISTING EASEMENT LINES
  - PROPOSED EASEMENT LINES
  - BUILDING SETBACK LINES
  - DRAINAGE FLOW LINE
  - EDGES OF PAVEMENT
  - FENCE LINE
  - GAS LINE
  - UNDERGROUND ELECTRIC LINE
  - OVERHEAD ELECTRIC LINE
  - OVERHEAD TELECOM LINE
  - UNDERGROUND TELECOM LINES
  - SANITARY SEWER LINE
  - STORM DRAIN CONDUIT
  - WATER LINE
  - UTILITY POLE WITH GUY ANCHOR
  - JOINT UTILITY POLE
  - ELECTRIC POWER POLE
  - TELEPHONE SERVICE POLE
  - STREET LAMP
  - FIRE HYDRANT
  - WATER METER
  - WATER VALVE
  - SANITARY SEWER CLEANOUT



**Humboldt Bay Municipal Water District**

To: Board of Directors  
From: John Friedenbach  
Date: August 6, 2020

Re: Annie & Mary Trail – Grant Conceptual Approval Letter

**Discussion**

As the Board is aware, the City of Arcata is planning a segment of the Annie & Mary trail from Sunset Avenue to our Park 1 along the old railroad grade. Staff has been participating in the planning meetings and the Board has received several updates during the past year. The City of Arcata is preparing a grant application to the Active Transportation Program to fund construction of this segment of the trail. It is your staff's understanding that this grant does not require a funding match. Therefore, the improvements to our Park 1 will be at no cost to the District nor its rate payers.

In connection with their grant application, they have requested a letter of conceptual approval for the trailhead improvements that we have discussed at our Park 1. Specifically, those improvements include: paving the entrance and parking lot at Park 1, and installing an informational kiosk relating to the trail.

The parking lot and entrance are currently gravel/dirt with large pot holes at various locations. Paving these areas will facilitate ease of access especially for bicycles and ADA individuals and greatly improve this District asset. The estimated cost for paving these areas is approximately \$94,000.

Staff has contacted the Humboldt Trails Council requesting that they maintain the kiosk, so that no District funds are expended for maintaining this trailhead improvement that is not specifically related to the District's operations. See attached letter.

**Staff Request**

Staff requests that the Board authorize staff to submit the attached letter of conceptual approval for the trailhead improvements at Park 1.

**HUMBOLDT BAY MUNICIPAL WATER DISTRICT**

828 SEVENTH STREET, PO Box 95 • EUREKA, CALIFORNIA 95502-0095

OFFICE 707-443-5018 ESSEX 707-822-2918

FAX 707-443-5731 707-822-8245

EMAIL [OFFICE@HBMWD.COM](mailto:OFFICE@HBMWD.COM)Website: [www.hbmwd.com](http://www.hbmwd.com)**BOARD OF DIRECTORS**

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MICHELLE FULLER, DIRECTOR

DAVID LINDBERG, DIRECTOR

**GENERAL MANAGER**

JOHN FRIEDENBACH

August 13, 2020

Netra Khatri, City Engineer

City of Arcata

736 F Street

Arcata, CA 95521

Dear Mr. Khatri,

The Humboldt Bay Municipal Water District (HBMWD) fully supports the Arcata Annie & Mary Trail Connectivity Project that the City of Arcata is submitting for Active Transportation Program (ATP) funding. The City has been coordinating with HBMWD regarding this project for over a year. The project proposes to construct a Class I trail between Sunset Avenue and the HBMWD's Park 1 plus trailhead improvements at Park 1.

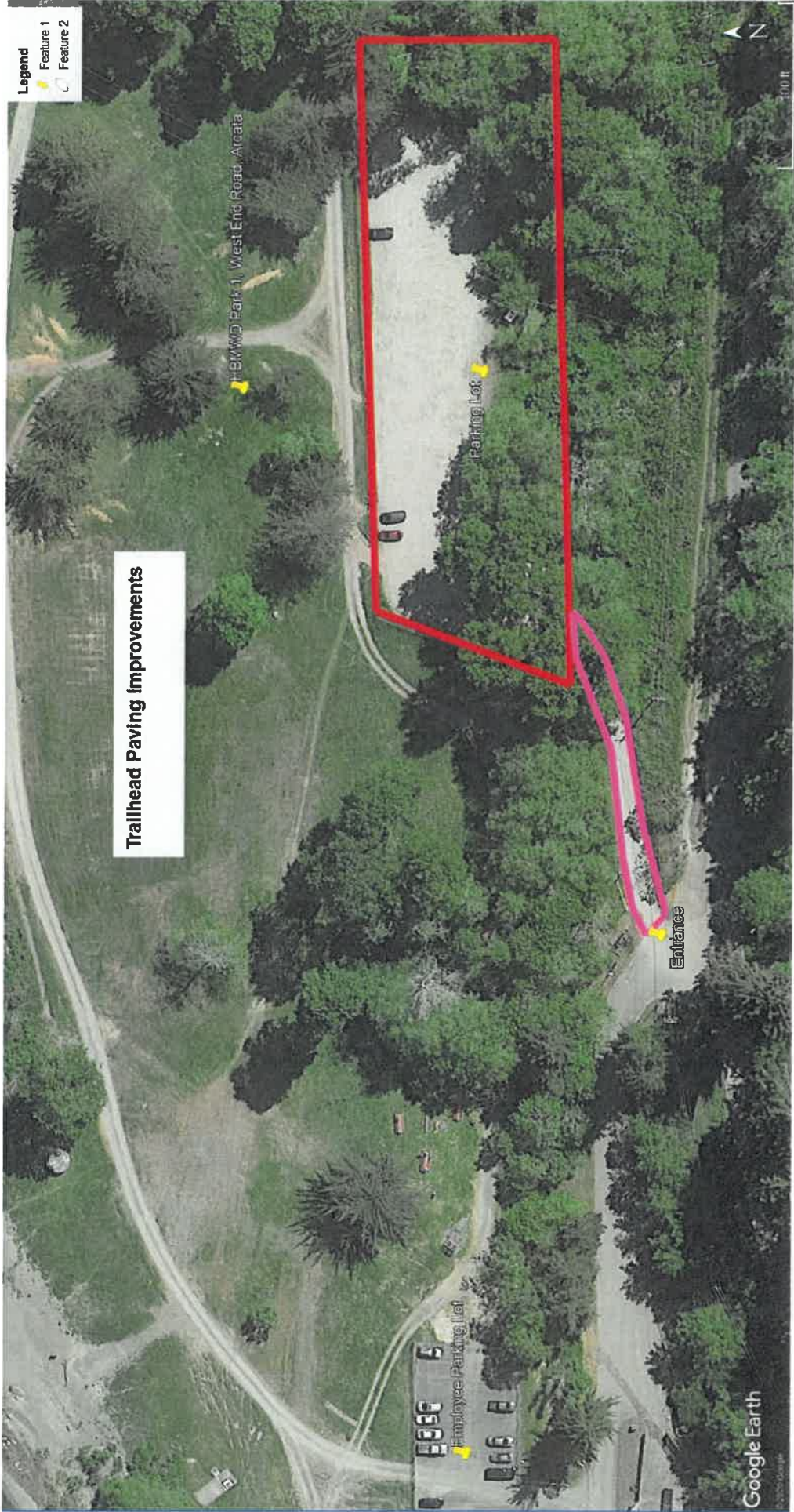
HBMWD provides Conceptual Approval for preliminary designs of these trailhead improvements at Park 1 (including paving of the short entrance to Park 1, a parking area, and adding a kiosk with a trail map and interpretive information) planned in the application. HBMWD agrees to the ongoing operations and maintenance of the entrance to and parking area of Annie & Mary Trail trailhead at Park 1, and this letter serves as a letter of intent to maintain these trailhead components. The Humboldt Trails Council will support the HBMWD by maintaining the planned kiosk at Park 1.

HBMWD also intends to work with the City to grant an easement for construction of the trailhead improvements and trail segment through HBMWD property leading to Park 1. HBMWD will concurrently work with the County of Humboldt (as the trail segment through HBMWD property is outside of Arcata city limits) to grant an easement for operations and maintenance of this trail segment once constructed.

This approval is conceptual for funding application purposes only. HBMWD will work with the City to refine the design of the trailhead improvements on District property, and final approval by HBMWD will be required prior to construction for all work on HBMWD property.

Respectfully,

John Friedenbach,  
General Manager



Trailhead Paving Improvements

**Legend**  
Feature 1  
Feature 2



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MICHELLE FULLER, DIRECTOR  
DAVID LINDBERG, DIRECTOR

**GENERAL MANAGER**  
JOHN FRIEDENBACH

August 5, 2020

Mr. Michael Proulx  
President  
Humboldt Trails Council  
PO Box 1  
Bayside CA 95524-0001

Re: Annie & Mary Trail at HBMWD Park 1

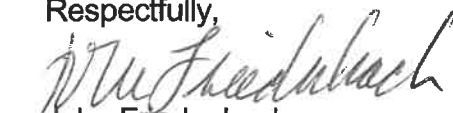
Dear Michael,

As a follow up to our telephone conversation, I am writing on behalf of our District to respectfully request that the Humboldt Trails Council (HTC) consider taking on the maintenance via the Volunteer Trail Stewards program of the proposed trail head kiosk at our Park 1 located on West End Road. As you are aware, the trail extension currently proposed by the City of Arcata starts at Sunset Avenue and terminates at our Park 1. The grant proposal for trailhead improvements at our Park 1 include paving the parking lot and access road and an informational kiosk. The City of Arcata is preparing the size and dimensions of the kiosk and its content.

Once installed, the kiosk will require some level of maintenance on a recurring basis. Our District does not have budget nor mission statement relevance to maintain the kiosk. Consequently, we respectfully request that the HTC perform any necessary maintenance of the kiosk. It is our understanding that the HTC will also be performing trail maintenance along this Annie & Mary Trail segment and we hope that you will be able to incorporate kiosk maintenance as a component of those services.

If you have any questions, or need any additional information, please do not hesitate to contact us. We appreciate your consideration of our request.

Respectfully,

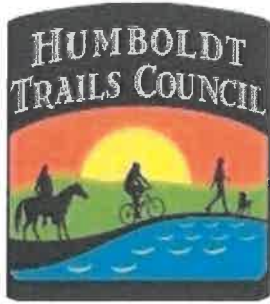
  
John Friedenbach  
General Manager

Cc: Julie Neander, City of Arcata  
Emily Sinkhorn, Redwood Community Action Agency



# SAMPLE TRAIL KIOSK





## Humboldt Trails Council

### OUR MISSION

The Humboldt Trails Council serves as a unified voice to support development, maintenance and use of trails for recreation and transportation throughout Humboldt County.

### OUR VISION

The Humboldt Trails Council envisions a well-maintained network of accessible community pathways traveled by walkers and riders of all abilities, ages and means in the pursuit of unfettered kinetic joy. We are advocates, educators, and coordinators working to enhance the county's active transportation and recreation options, community well-being, economic vitality, visitor captivation, and appreciation of open spaces.

### ACTION GOALS

- to help with coordination of local trail groups' collective efforts
- to provide a clearinghouse of support and information through our VTS program, website and eNewsletter
- to pursue and support regional trail system development throughout Humboldt County
- to develop an online information system for all things trails
- to enhance equestrian opportunities
- to support and continue further development of the Volunteer Trail Stewards (VTS) Program to help offset the cost of trail maintenance
- To support the development of the Great Redwood Trail, both in Humboldt County and regionally
- To collaborate with city and county program staff to promote development of multi-use trails, active transportation, and greater trail connectivity
- To serve as a unified voice for all trail users
- To provide for the trail needs of various user groups: hikers, cyclists, equestrians, commuters, recreationalists, people with disabilities, diverse ethnic groups

## VOLUNTEERS

Currently, the bulk of volunteers engaged with the Humboldt Trails Council are involved in the Volunteer Trail Stewards (VTS) program. This program provides for trail maintenance through regular workdays on several trails throughout the county. Each trail has a Trail Coordinator who organizes the VTS crew members, collaborates with the trail owner (city, county, land trust), and maintains records regarding liability waivers, volunteer days and hours, etc. The Trail Coordinators are also responsible for maintaining a supply of work gloves, tools, and materials necessary for the workdays' activities.

- Current trails include the Hammond Trail, the Hikshari' Trail, Eureka Waterfront Trail (multiple VTS groups), Freshwater Farms, Friends of the Dunes Trail Network, McKay Community Forest, Arcata Community Forest, the Lacks Creek Trail, McKinleyville Land Trust Trails, Bay Trail North, and the Manila Dunes Trail.
- Anyone may volunteer (through the VTS program or through other HTC activities), and volunteers are regularly recruited by the Trail Coordinators as well as by the Board **when attending/tabling public events**. Trail Coordinators are chosen based upon their understanding of the work required, their organizational skills, their ability to commit to the role, and their passion for trails. VTS volunteers' and coordinators' roles are separately spelled out in VTS-related documents.

## STAFF

At this time, the Humboldt Trails Council does not have staff employed by the organization. In 2019, HTC and the City of Arcata began a partnership to support a part-time VTS Coordinator to support the Humboldt Bay Trail Volunteer Trail Stewards groups. The HTC would like to expand this role to include non-Bay Trail VTS support in the future, with funding that is separate from the Humboldt Bay Trail Fund's grants.



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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### BOARD OF DIRECTORS

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MICHELLE FULLER, DIRECTOR

DAVID LINDBERG, DIRECTOR

### GENERAL MANAGER

JOHN FRIEDENBACH

April 13, 2020

COPY

California Transportation Commission  
1120 N Street MS 52  
Sacramento, CA 95814

### Re: Support for Caltrans District 1 Arcata Annie & Mary Connectivity Project


Dear Commissioners,

The Humboldt Bay Municipal Water District (HBMWD) is writing this letter to demonstrate our support for the Arcata Annie & Mary Connectivity Project application to the Active Transportation Program. The HBMWD supplies drinking water to the communities of the Humboldt Bay area, and operates multiple public access parks at our facilities on the Mad River between Arcata and Blue Lake. Several of our properties are adjacent to the historic Annie & Mary Trail railroad line. The HBMWD is a partner and supporter of the Arcata Annie & Mary Trail, as a portion of the proposed trail will provide non-motorized community access to a park that we own and operate – our Park 1. This provides a welcoming public destination for users of this trail segment. This trail segment is a component of The Great Redwood Trail at its northern most end. The extension of the planning project beyond Arcata City limits to the boundary of our property at Park 1 along the Mad River was wholly supported by our board, staff and collaborators within the County of Humboldt.

In addition to being a partner in this project due to the trail connecting to our facilities, the HBMWD strives to support greenhouse gas reduction projects, projects that support long-term community infrastructure needs, and watershed protection. By reducing motorized vehicle trips, this project will support regional greenhouse gas reduction goals. As a whole, the Annie & Mary Trail project offers potential infrastructure benefits that could uphold goals of the HBMWD as well as local transportation needs. Finally, this project supports environmental and watershed health by encouraging mode shift, resulting in a reduction of dependence on motorized vehicle travel and a potential to reduce non-point source pollution associated with vehicle use and maintenance.

The HBMWD was an engaged and active participating agency throughout the planning phase of this project, and we believe that this project as proposed reflects the community's needs and represents positive outcomes for our District. This project is part of a multi-phase Annie & Mary Trail vision which, when implemented, will offer a safe non-motorized route connecting Arcata to Blue Lake. This segment of The Great Redwood Trail allows access to multiple HBMWD-managed facilities along the Mad River that provide recreational opportunities to thousands of people. This proposed phase as a standalone project will provide many new, safe connections for people walking or biking, and equestrians. We believe this project will greatly benefit the Arcata and Humboldt County community, and our agency strongly supports it as proposed.

Respectfully,

  
John Friedenbach,  
General Manager

Cc: Senator Mike McGuire  
Assemblymember Jim Wood  
Humboldt County Board of Supervisors



# New Business

**Humboldt Bay Municipal Water District**

To: Board of Directors  
From: John Friedenbach  
Date: August 4, 2020

Re: Potential Future Easement to Trinity County

**Discussion**

Trinity County will be performing some road repairs on Mad River Road near Ruth Lake. There is one section of road that has slipped out due to landslides. See the attached map. Richard Tippett, P.E., Director of Transportation for Trinity County, has requested two easements from HBMWD to allow for: 1) restoration work on the road, and 2) staging materials and equipment.

**Staff Recommendation**

Staff recommends that the Board authorize staff and District counsel to negotiate the appropriate easements to allow for the reconstruction of Mad River road adjacent to District properties on the Buffer Strip.

**TRINITY COUNTY****DEPARTMENT OF TRANSPORTATION**

P.O. BOX 2490, WEAVERVILLE, CALIFORNIA 96093

PHONE (530) 623-1365

FAX (530) 623-5312

Email; [tcidot@trinitycounty.org](mailto:tcidot@trinitycounty.org)

**RIGHT TO ENTER FOR CONSTRUCTION**  
**APN 018-490-11**  
**TRINITY COUNTY, CALIFORNIA**

The undersigned Owner, (herein after referred to as "Owner") hereby grants to Trinity County, and to its assigns, agents and contractors (hereinafter referred to jointly as "County"), the right to enter upon the land identified as a portion of Trinity County Assessor's Parcel No.018-490-11, located approximately 0.5 miles south southeast of Ruth Lake Dam along Mad River Road-, Trinity County, CA (herein after referred to as "Property") as shown in the attached Exhibit A. The right of entry is needed for purposes of reconstructing the existing County roadway adjacent to the Property damaged by recent storms, the work consists of but is not limited to rock scaling and debris removal. This work will be conducted by teams from Trinity County Public Works Department and private contractors.

The right of entry is granted with the understanding and express conditions listed below:

1. The County shall notify the Owner by telephone or by U.S. Mail at least 7 (seven) days, but not more than 21 (twenty-one) days prior to entering onto the Property.
2. This right of entry includes the right of ingress and egress on other adjacent lands of Owner not described above, provided such ingress and egress is necessary and not otherwise conveniently available to County.
3. The County shall instruct County's contractor to maintain Owners access to the property adjacent to the work, as reasonably possible throughout the duration of construction.
4. The rights granted herein shall terminate 2 (two) years from the start of construction of the Project or upon completion of the Project, whichever occurs first.
5. If any action of the County employees, assigns, or agents, in the exercise of this right of entry results in the physical damage to the real property, the County will, at its option, either repair such damage or make an appropriate settlement with the Owner. In no event shall such repair or settlement exceed the fair market value of the fee interest of the real property at the time immediately preceding such physical damage.
6. County shall indemnify and hold harmless Owner and its subsidiaries from and against any and all claims arising from the County's access of the Property. County shall further indemnify and hold harmless Owner and its subsidiaries from and against any and all claims arising from any negligence of the County or any of the County's agents, contractors, employees and/or invitees relating to the County's access of the Property, and from and against all costs, attorney's fees, expenses and liabilities incurred in the defense of any such claim or any action or proceeding brought thereon and in case any action or proceeding be brought against Owner and its subsidiaries by reason of any such claim. County, upon notice from Owner, shall defend the same at County's expense by counsel satisfactory to Owner.
7. The undersigned hereby warrants by their signature that they are the Owner of said Property or have the legal authority to grant the right of entry subject to the terms and conditions herein. This Agreement and any attachments hereto constitute the entire agreement between the parties concerning the subject matter hereof.



IN WITNESS HEREOF, the parties hereto have caused this Agreement to be duly executed on this \_\_\_\_\_ day of \_\_\_\_\_, 2020.

Signature of Owner

Trinity County

By: \_\_\_\_\_

By: \_\_\_\_\_

Print Name: \_\_\_\_\_

Print Name: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Owners Mailing Address:

\_\_\_\_\_

\_\_\_\_\_

Phone Number: \_\_\_\_\_



## Road Repair and Equipment Staging Areas





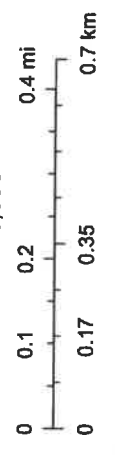
APN 018-490-11



August 7, 2020

Parcels

1:18,056

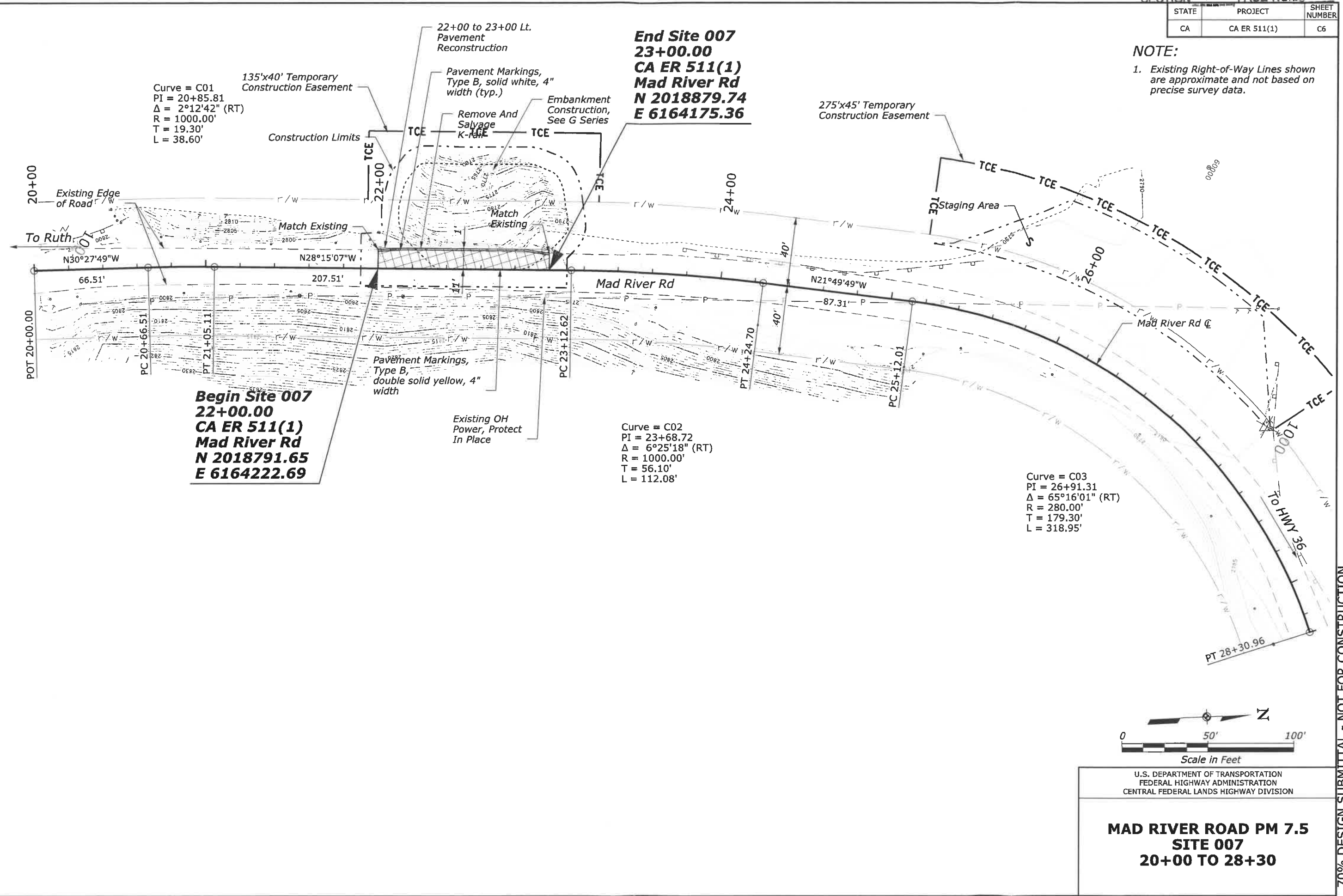


Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS,

STATE	PROJECT	SHEET NUMBER
CA	CA ER 511(1)	C6

**NOTE:**  
 1. Existing Right-of-Way Lines shown are approximate and not based on precise survey data.

4/22/2020 5:22:56 PM p:\projects\wise.ch2m.com\DEN003\Documents\WXY0600 - CTL TO 19-18 RUTH-ZEMIA RD\DESIGN\Trinity Repairs\Design\Jacobs\CADD\_Sheets\C-ML\_P&P\C05\_pmpTR-01.dwg>User: thoward2



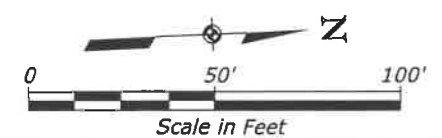
**Begin Site 007**  
**22+00.00**  
**CA ER 511(1)**  
**Mad River Rd**  
**N 2018791.65**  
**E 6164222.69**

**End Site 007**  
**23+00.00**  
**CA ER 511(1)**  
**Mad River Rd**  
**N 2018879.74**  
**E 6164175.36**

Curve = C03  
 PI = 26+91.31  
 Δ = 65°16'01" (RT)  
 R = 280.00'  
 T = 179.30'  
 L = 318.95'

Curve = C02  
 PI = 23+68.72  
 Δ = 6°25'18" (RT)  
 R = 1000.00'  
 T = 56.10'  
 L = 112.08'

Curve = C01  
 PI = 20+85.81  
 Δ = 2°12'42" (RT)  
 R = 1000.00'  
 T = 19.30'  
 L = 38.60'



U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**MAD RIVER ROAD PM 7.5**  
**SITE 007**  
**20+00 TO 28+30**

70% DESIGN SUBMITTAL - NOT FOR CONSTRUCTION



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

828 SEVENTH STREET, PO Box 95 • EUREKA, CALIFORNIA 95502-0095

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DAVID LINDBERG, DIRECTOR

### GENERAL MANAGER

JOHN FRIEDENBACH

August 5, 2020

Tim Saxon, Sheriff

Jill Lynn, Administrative Services Officer

Trinity County Sheriff Office

PO Box 1228

Weaverville, CA 96093

Greetings Tim & Jill,

Our District has a significant interest in southern Trinity County, not only with respects to personal safety and protection of property, but also with respect to dam safety, and boating on Ruth Lake. As you know, Humboldt Bay Municipal Water Districts owns Ruth Lake in Trinity County. The recreational aspect of the lake is managed by Ruth Lake Community Services District. Ruth Lake is the source of drinking water for 88,000 residents in Humboldt County. In 2009, our District and Ruth Lake CSD introduced the Quagga and Zebra Mussel Aquatic Invasive Species Prevention Plan to help keep the invasive and destructive mussels out of Ruth Lake. Watercraft are not allowed on Ruth Lake without an inspection and appropriate sticker noting this.

We understand the Trinity County Board of Supervisors approved an agreement with the Department of Boating and Waterways to provide financial assistance in the amount of \$114,543 to conduct boating safety and enforcement activities. We respectfully request a portion of the funding be allocated to ensure a law enforcement presence on Ruth Lake. If this occurs, we will contribute up to an additional \$5,000 for enforcement activities on Ruth Lake.

With the concurrence of Ruth Lake CSD, we would be willing to enter into an agreement similar to one in the past. (See Attached)

Thank you for your consideration of this request.

Respectfully,

A handwritten signature in cursive script, appearing to read "John Friedenbach".

John Friedenbach  
General Manager

cc: Supervisor John Fenley

Caitlin Canale, Ruth Lake CSD General Manager



## Ruth Lake Community Services District

Telephone: 707-574-6332

Fax: 707-574-6080

Email: ruthlakecsd@saber.net

P.O. Box 31

12200 Mad River Road

Mad River CA 95552

THIS AGREEMENT is between the **Trinity County Sheriff's Department**, the **Ruth Lake Community Services District** and **Humboldt Bay Municipal Water District** for the year of 2011.

The Trinity County Sheriff's Office agrees that a deputy will be assigned to the Ruth Lake area two days a week (weekend) for three of the general deer season weekends during the rifle portion of the deer season. This would include the first and last weekends of the season. Also, one additional weekend would be determined by weather and that decision being finalized between the RLCSD and the assigned deputy.

Reimbursement will be made by the RLCSD to the Trinity County Sheriff's Office. HBMWD will reimburse RLCSD for ½ of the charged amount. It is agreed that the total bill will not exceed \$2,000. If the Sheriff's Office incurs additional expenses and time, RLCSD must be notified as soon as practical. Should it be necessary for the deputy to leave the area for non RLCSD business, the amount will be prorated to the nearest hour.

A site will be provided at the Ruth Lake Marina for the Sheriff's travel trailer. Water, septic, telephone and power will be provided by the RLCSD.

The area of concern is as follows:

(1) Beginning at the Robert W. Matthews Dam at the north, bound on the east side by County Road 501, known as the Mad River Road, bound on the west side by USDA Forest Service Road 1S06, known as the West Side Road, south to county Road 502, known as the Ruth-Zenia Road, County Road 514, known as Rodeo Drive, County Road 536 known as Buckwheat Lane, and south to County Road 526 known as Ruth Airport Road, and bound on the south by the summer crossing at Cedar Gap Road near the USDA Forest Service Ruth Guard Station.

(2) The primary area of focus would be the river bar from the head of the lake to the summer crossing.

Agreement: Pg. 2

Besides the areas listed above, the deputy can patrol or respond to incidents on USDA Forest Service roads in the immediately surrounding areas as seem appropriate. The RLCSD and HBMWD are aware that there may be a call for deputy assistance in the Ruth Lake area that is not specifically related to RLCSD or HBMWD business and understands that this would be within the scope of this agreement.

Either parties has the right to cancel this agreement at any time.

Signed by:

Date:

\_\_\_\_\_  
Thomas D. Felt, Gen. Mgr. RLCSD

\_\_\_\_\_

\_\_\_\_\_  
Carol Rische, Gen. Mgr. HBMWD

\_\_\_\_\_

\_\_\_\_\_  
Bruce Haney, Sheriff, Trinity County

\_\_\_\_\_

**TRINITY COUNTY**  
Item Report 2.15

Meeting Date: 7/7/2020

Department:

Sheriff *Tim Saxon*

Contact:

Jill Lynn, *Admin. Services Officer*

Phone:

(530)623-8108

2.15 Resolution and Agreement: California Department of Parks and Recreation, Division of Boating and Waterways (20-080)

**Requested Action:**

Approve an agreement with California Department of Parks and Recreation, Division of Boating and Waterways to conduct boating safety and enforcement activities and adopt a resolution which authorizes the Sheriff to accept the FY 2020/2021 California Department of Parks and Waterways, Division of Boating and Waterways Financial Aid Program.

**Fiscal Impact:**

Revenue in the amount of \$114,543 to the Sheriff's budget.

**Summary:**

The Trinity County Sheriff's Office and the Department of Parks and Recreation, Division of Boating and Waterways is an annual agreement the Sheriff's Office has had since 2011. This agreement allows the Sheriff's Office to have Deputies providing boating safety and enforcement activities for the Trinity County waterways.

**Alternatives Including Financial Implications:**

Deny the agreement and advise staff.

**Departmental Recommendation:**

Denial of the Resolution will prohibit the Sheriff from accepting the funds and will result in the Sheriff's Office being unable to assign Deputies to patrol the waterways. It is the staff's recommendation that the Board approve a Resolution authorizing the Sheriff to accept the FY 2020/2021 California Department of Parks and Recreation, Division of Boating and Waterways Financial Aid Program to provide boating safety and enforcement activities for the Trinity County waterways.

**ATTACHMENTS:**

Description

2020 Boating and Waterways Agreement  
Resolution 2020

- 2.11 Approved an agreement with Maverick Networks, Inc. to provide professional installation of telephonic system software and hardware.

**Motion:** Judy Morris **Second:** Jeremy Brown **Carried**  
Ayes: Brown, Chadwick, Fenley, Groves, Morris

### Human Resources

- 2.12 Adopted Resolution No. 2020-050 which revises the interim personnel policy regarding COVID-19 (Coronavirus).

**Motion:** Judy Morris **Second:** Jeremy Brown **Carried**  
Ayes: Brown, Chadwick, Fenley, Groves, Morris

### Sheriff

- 2.13 Approved a memorandum of understanding (MOU) with the Sacramento County Sheriff's Office to provide assistance during the course of any investigations that involve internet crimes against children and authorized the Sheriff to sign the MOU.

**Motion:** Judy Morris **Second:** Jeremy Brown **Carried**  
Ayes: Brown, Chadwick, Fenley, Groves, Morris

- 2.14 Approved an agreement with Axon Enterprise, Inc. to purchase tasers for the Sheriff's Office.

**Motion:** Judy Morris **Second:** Jeremy Brown **Carried**  
Ayes: Brown, Chadwick, Fenley, Groves, Morris

- 2.15 Approved an agreement with California Department of Parks and Recreation, Division of Boating and Waterways to conduct boating safety and enforcement activities and adopted Resolution No. 2020-056 which authorizes the Sheriff to accept the FY 2020/2021 California Department of Parks and Waterways, Division of Boating and Waterways Financial Aid Program.

**Motion:** Judy Morris **Second:** Jeremy Brown **Carried**  
Ayes: Brown, Chadwick, Fenley, Groves, Morris

### Treasurer/Tax Collector

- 2.16 Adopted Resolution No. 2020-051 which distributes excess proceeds from the 2018/2019 tax defaulted property tax auction.

**Motion:** Judy Morris **Second:** Jeremy Brown **Carried**



# Engineering

APPLICATION AND CERTIFICATION FOR PAYMENT

TO: **HBMWD** PROJECT: **HBMWD 12kV Switchgear Relocation** APPLICATION NO: **4**  
**828 7th St** PERIOD FROM: **07/01/20**  
**Eureka, CA 95501** PERIOD TO: **07/31/20**

FROM: **Sequoia Construction Specialties** ENGINEER: **GHD** FEMA NO.: **4240-DR-CA-PJ0017**  
**PO Box 6061**  
**Eureka, CA 95502-6061**

CONTRACT FOR: APPLICATION DATE: **07/31/20**

**APPLICATION FOR PAYMENT**

Application is made for Payment, as shown below, in connection with the Contract.  
Continuation Sheet is attached.

<b>1. Original Contract Sum</b>	<b>2,448,063.00</b>
<b>2. Net Change by Change Orders</b>	<b>23,265.00</b>
<b>3. Contract Sum to Date (Line 1 and 2)</b>	<b>2,471,328.00</b>
<b>4. Total Completed &amp; Stored to Date</b>	<b>266,450.00</b>
<b>5. Retainage:</b>	
<b>a. 5% of Completed &amp; Stored Work</b>	<b>13,322.50</b>
<b>Total Retainage</b>	<b>13,322.50</b>
<b>6. Total Earned Less Retainage</b>	<b>253,127.50</b>
<b>7. Less Previous Certificates for Payment (Net amount)</b>	<b>173,850.00</b>
<b>8. Current Payment Due</b>	<b>79,277.50</b>
<b>9. Balance to Finish, Plus Retainage</b>	<b>2,204,878.00</b>

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months.	23,265	0
Total approved this Month	0	0
<b>TOTALS</b>	<b>\$23,265</b>	<b>\$0</b>
<b>NET CHANGES BY Change Order</b>		<b>\$23,265</b>

The undersigned Contractor certifies that to the best of the contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued an payments received from the Owner, and that current payment shown herein is not due.

Contractor:

By: Brian Pritchard 7/31/2020

**PAID**

JUL 31 2020

CK # 48087

APPROVED BY

*Mark Ste*

ENGINEER: GHD

*[Signature]*  
OWNER: HBMWD  
7/31/2020  
*General Manager*

PROJECT: HBMWD 12kV Relocation  
 Application and Certificate for payment,  
 containing Contractor's signed certification is attached.  
 In tabulations below, amounts are stated to the nearest dollar.

APPLICATION NO: 4.00  
 APPLICATION DATE: 07/01/20  
 PERIOD TO: 07/31/20

ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		STORED MATERIALS	TOTAL COMPLETED AND STORED TO DATE	%	BALANCE TO FINISH	RETAINAGE
			PREVIOUS APPLICATIONS	THIS PERIOD					
1	Mobilization	120,000.00	35,000.00	0.00	0.00	35,000.00	29%	85,000.00	1,750.00
2	Erosion Control	10,000.00	0.00	0.00	0.00	0.00	0%	10,000.00	0.00
3	Access Road	32,500.00	0.00	0.00	0.00	0.00	0%	32,500.00	0.00
4	Trenching	320,895.00	61,000.00	51,000.00	0.00	112,000.00	35%	208,895.00	5,600.00
5	Vaults	109,450.00	77,000.00	32,450.00	0.00	109,450.00	100%	0.00	5,472.50
6	Building Pad	108,020.00	0.00	0.00	0.00	0.00	0%	108,020.00	0.00
7	Drainage	24,453.00	0.00	0.00	0.00	0.00	0%	24,453.00	0.00
8	Ramp & Wall	81,070.00	0.00	0.00	0.00	0.00	0%	81,070.00	0.00
9	Site Grading	119,340.00	10,000.00	0.00	0.00	10,000.00	8%	109,340.00	500.00
10	Fence	27,025.00	0.00	0.00	0.00	0.00	0%	27,025.00	0.00
11	IPA Building	404,808.00	0.00	0.00	0.00	0.00	0%	404,808.00	0.00
12	PG&E Interconnection	33,000.00	0.00	0.00	0.00	0.00	0%	33,000.00	0.00
13	1200 A Metering	34,068.00	0.00	0.00	0.00	0.00	0%	34,068.00	0.00
14	1200 A Breakers	169,514.00	0.00	0.00	0.00	0.00	0%	169,514.00	0.00
15	1200 A Feeders	482,470.00	0.00	0.00	0.00	0.00	0%	482,470.00	0.00
16	1200 A Bus	108,966.00	0.00	0.00	0.00	0.00	0%	108,966.00	0.00
17	Switchgear Battery	57,108.00	0.00	0.00	0.00	0.00	0%	57,108.00	0.00
18	Relocate Gen Controller	43,287.00	0.00	0.00	0.00	0.00	0%	43,287.00	0.00
19	Testing	116,186.00	0.00	0.00	0.00	0.00	0%	116,186.00	0.00
20	Decommissioning	45,903.00	0.00	0.00	0.00	0.00	0%	45,903.00	0.00
C.O.									
1	Fence upgrade	23,265.00						23,265.00	0.00
Sub-Total		2,471,328.00	183,000.00	83,450.00	0.00	266,450.00	11%	2,204,878.00	13,322.50

LICENSE #624264  
POST OFFICE BOX 6061  
EUREKA, CALIFORNIA 95502



(707)442-3596  
FAX: (707)442-0304

John Friedenbach  
Humboldt Bay Municipal Water District  
828 7<sup>th</sup> St  
Eureka, CA 95501

**RE: 12kV SWITCHGEAR RELOCATION PROJECT - NOTICE OF POTENTIAL DELAY AND RESERVATION OF RIGHTS**

We are all aware of the ongoing outbreak of the Coronavirus 2019 (COVID-19), which was recently declared a pandemic by the World Health Organization and the President and Governor have declared a national and state emergency, respectively. Although the situation continues to evolve rapidly, Sequoia Construction Specialties along with our subcontractors remain fully committed to pursuing the completion of our work in a safe, diligent and reasonable manner under the current circumstances. We must recognize, however, there is a strong likelihood that we will encounter certain delays as a result of this pandemic.

We anticipate our work will be delayed and our productivity will be negatively impacted by the cumulative effect of this outbreak. Potential impacts may include, but are not limited to, labor shortages due to infection or quarantine as well as material shortages and significant delays in lead times as a result of factory closings across the globe. In addition, we are monitoring whether there will be a mandatory shut down. At this time, it is not possible to quantify the delay or compute the impact costs.

Our contract requires that we furnish you written notice of any delays. Accordingly, pursuant to the terms of our contract, please consider this correspondence to be our formal notice of potential delays to our performance through no fault of our own and that are beyond our control, including, but not limited to, changed conditions, constructive suspension of work, constructive change, force majeure/act of God, etc. Sequoia Construction Specialties hereby reserves all rights it may have under our contract and applicable law to protect its legal and commercial interests, including without limitation the right to seek an extension of time. Please keep records as you deem appropriate to confirm any extensions or increased or unabsorbed costs if we do, in fact, submit same. I can assure you that we are evaluating all options to minimize and mitigate the impact to your Project. As more information becomes available, we would like to discuss our options for successfully completing this Project.

We will continue to keep your project representatives informed of these delays and their effect on overall job completion. We will diligently seek to minimize to the best of our ability, the effects of these delays on our work. Your cooperation in minimizing these impacts are appreciated as work our way through this unprecedented event.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian Pritchard', written over a horizontal line.

Brian Pritchard  
President



**Humboldt Bay Municipal Water District**

To: Board of Directors  
From: John Friedenbach  
Date: August 6, 2020

Re: FEMA Hazard Mitigation Grant – 3 Tank Seismic Retrofit, Phase One

**Discussion**

Per the attached correspondence from CalOES, FEMA has approved Phase One funding for our HMG to seismically retrofit the three reservoirs owned by the District. See attached letter dated July 23, 2020. Page one of the letter lists the required items/documents to proceed with grant funding.

- A valid, current Governing Body Resolution [we have this]
- A Project Assurances for Federal Assistance agreement [need Board authorization]
- A Supplemental Grant Subaward Information sheet [need Board authorization]
- A current Federal Funding Accountability and Transparency Act (FFATA) Financial Disclosure form. [need Board authorization]
- An active DUNS Number registration with the SAM website. [we have this]

**Staff Request**

Staff requests that the Board authorize staff to complete the required forms and information to obtain grant funding for this project.



July 23, 2020

0202 7 27 2020 H.B.M.W.D.

John Friedenbach  
General Manager  
Humboldt Bay Municipal Water District  
P.O. Box 95  
Eureka, CA 95502-0095

*3 Tank Seismic Retrofit*

Subject: **Notification of Subapplication Approval**  
Hazard Mitigation Grant Program  
FEMA-4344-DR-CA, Project #P0040, FIPS #023-91000

Dear Mr. Friedenbach:

The California Governor's Office of Emergency Services (Cal OES) received notification that the Federal Emergency Management Agency (FEMA) has approved your organization's subaward application in the amount of **\$246,750.00**. A copy of the FEMA award package is enclosed for your records. In order to receive payment as a grant subrecipient, your organization must have the following on file with the Recovery Grants Processing Unit:

- A valid, current (approved within the last 3 years) Governing Body Resolution
- A Project Assurances for Federal Assistance agreement
- A Supplemental Grant Subaward Information sheet
- A current Federal Funding Accountability and Transparency Act (FFATA) Financial Disclosure form. This form must be submitted each fiscal year.
- An active DUNS Number registration with the federal System for Award Management (SAM) website. The registration must remain active for the duration of this grant subaward.

For your convenience, this subapplication approval package includes the required post-obligation documents as well as guides to completing and renewing a SAM registration. Please complete the documents and mail copies to the address listed at the end of this letter, keeping the originals with your records. Alternatively, you may scan and email the completed documents to the Recovery Grants Processing Unit at [HMgrantsPayments@CalOES.ca.gov](mailto:HMgrantsPayments@CalOES.ca.gov). Electronic copies of the post-obligation documents can also be requested at the same address.



Payments will be made on a reimbursement basis using the enclosed Hazard Mitigation Reimbursement Request Form. A ten percent (10%) retention will be withheld from all reimbursement payments and will be released as part of the subaward closeout process.

Reimbursements can be made only for items listed on the approved subaward application. Expenditures for any other work should be separately maintained and are the sole responsibility of the subrecipient. Any funds received in excess of current needs or approved amounts, or those found owed as a result of a final inspection or audit, must be refunded to the State within 30 days of receipt of an invoice from Cal OES.

When mailing documents to the Recovery Grants Processing Unit, please use the following address:

California Governor's Office of Emergency Services  
Attention: Recovery Grants Processing Unit  
3650 Schriever Avenue  
Mather, CA 95655

For further assistance regarding post-obligation documents or the reimbursement request process, please contact the Recovery Grants Processing Unit at (916) 845-8110. For program-related questions, please contact the Hazard Mitigation Grants Programs Unit at (916) 845-8150.

Recovery Grants Processing Unit

Enclosures

c: Applicant's File

\*The Recovery Grants Processing Unit has the District's universal Resolution No. 2019-19, passed on 11/14/19, on file. A copy of the resolution is included in this package for your review. With your permission, the resolution can be applied to this project.



STATE OF CALIFORNIA  
GOVERNOR'S OFFICE OF EMERGENCY SERVICES  
Cal OES 130

Cal OES ID No:

Resolution 2019-19

**DESIGNATION OF APPLICANT'S AGENT RESOLUTION  
FOR NON-STATE AGENCIES**

BE IT RESOLVED BY THE Board of Directors OF THE Humboldt Bay Municipal Water District  
(Governing Body) (Name of Applicant)

THAT General Manager, OR  
(Title of Authorized Agent)  
Business Manager, OR  
(Title of Authorized Agent)  
Superintendent  
(Title of Authorized Agent)

**RECEIVED**  
NOV 25 2019  
694353  
GRANTS PROCESSING UNIT

is hereby authorized to execute for and on behalf of the Humboldt Bay Municipal Water District, a public entity  
(Name of Applicant)  
established under the laws of the State of California, this application and to file it with the California Governor's Office of Emergency Services for the purpose of obtaining certain federal financial assistance under Public Law 93-288 as amended by the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988, and/or state financial assistance under the California Disaster Assistance Act.

THAT the Humboldt Bay Municipal Water District, a public entity established under the laws of the State of California,  
(Name of Applicant)  
hereby authorizes its agent(s) to provide to the Governor's Office of Emergency Services for all matters pertaining to such state disaster assistance the assurances and agreements required.

Please check the appropriate box below:

- This is a universal resolution and is effective for all open and future disasters up to three (3) years following the date of approval below.
- This is a disaster specific resolution and is effective for only disaster number(s) \_\_\_\_\_

Passed and approved this 14th day of November, 2019

Sheri Woo, President  
(Name and Title of Governing Body Representative)  
Neal Latt, Vice President  
(Name and Title of Governing Body Representative)  
J. Bruce Rupp, Secretary/Treasurer  
(Name and Title of Governing Body Representative)

**CERTIFICATION**

I, J. Bruce Rupp, duly appointed and Secretary/Treasurer of  
(Name) (Title)  
Humboldt Bay Municipal Water District, do hereby certify that the above is a true and correct copy of a  
(Name of Applicant)

Resolution passed and approved by the Board of Directors of the Humboldt Bay Municipal Water District  
(Governing Body) (Name of Applicant)  
on the 14th day of November, 2019.

[Signature] President  
(Signature) (Title)



## PROJECT ASSURANCES FOR FEDERAL ASSISTANCE HAZARD MITIGATION GRANTS

Note: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact California Governor's Office of Emergency Services (Cal OES). Further, certain federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

***As the duly authorized representative of the applicant, I certify that the applicant:***

1. Has the legal authority to apply for federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States, Federal Office of Inspector General 2 CFR 200.336, and if appropriate, the state, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with federal assistance funds to assure nondiscrimination during the useful life of the project.
4. Will comply with the requirements of the assistance-awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or state.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gains.
8. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§ 4801 et seq.), which prohibits the use of lead based paint in construction or rehabilitation of residence structures.

9. Will comply with all federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§ 1681-1683 and 1685-1686) which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794) which prohibit discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§ 6101-6107) which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 93-255) as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616) as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§ 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. § 3601 et seq.), as amended, relating to nondiscrimination in the sale rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for federal assistance is being made, and (j) the requirements on any other nondiscrimination statute(s) which may apply to the application.
10. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provides for fair and equitable treatment of persons displaced or whose property is acquired as a result of federal and federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of federal participation in purchases.
11. Will comply with the flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$5,000 or more.
12. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.O. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved state management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§ 1451 et seq.); (f) conformity of federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. § 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended, (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended, (P.O. 93-205).
13. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§ 1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.

14. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), EO 11593 (identification and preservation of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).
15. Will comply with Standardized Emergency Management (SEMS) requirements as stated in the California Emergency Services Act, Government Code, Chapter 7 of Division 1 of Title 2, Section 8607.1(e) and CCR Title 19, Sections 2445, 2446, 2447 and 2448.
16. Subrecipients expending \$750,000 or more in federal grant funds annually are required to secure an audit pursuant to OMB Uniform Guidance 2 CFR Part 200, Subpart F. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act of 1984 and the Single Audit Act Amendments of 1996.
17. Will disclose in writing any potential conflict of interest to the Federal awarding agency or pass-through entity in accordance with §200.112.
18. Will comply with all applicable requirements of all other federal laws, Executive Orders, regulations and policies governing this program.
19. Has requested through the State of California, federal financial assistance to be used to perform eligible work approved in the subrecipient application for federal assistance. Will, after the receipt of federal financial assistance, through the State of California, agree to the following:
  - a. The state warrant covering federal financial assistance will be deposited in a special and separate account, and will be used to pay only eligible costs for projects described above;
  - b. To return to the State of California such part of the funds so reimbursed pursuant to the above numbered application, which are excess to the approved actual expenditures as accepted by final audit of the federal or state government.
  - c. In the event the approved amount of the above numbered project application is reduced, the reimbursement applicable to the amount of the reduction will be promptly refunded to the State of California.
20. The non-Federal entity for a Federal award must disclose, in a timely manner, in writing to the Federal awarding agency or pass-through entity all violations of Federal criminal law involving fraud, bribery, or gratuity violations potentially affecting the Federal award §200.113. Failure to make required disclosures can result in any of the remedies described in §200.338 Remedies for noncompliance, including suspension or debarment.
21. Will not make any award or permit any award (subaward or contract) to any party which is debarred or suspended or is otherwise excluded from or ineligible for participation in Federal assistance programs under Executive Order 12549 and 12689, "Debarment and Suspension.

"I, the official named below, CERTIFY UNDER PENALTY OF PERJURY that I am duly

authorized by Humboldt Bay Municipal Water District  
(Name of Organization)

to enter into this agreement for and on behalf of said subrecipient, and by my signature do bind the subrecipient to the terms thereof .

John Friedenbach  
Printed Name of Authorized Applicant's Agent

General Manager  
Title

\_\_\_\_\_  
Signature of Authorized Applicant's Agent

\_\_\_\_\_  
Date

**Authorization**

I, \_\_\_\_\_, do hereby certify as the authorized representative or  
Printed Name

officer of \_\_\_\_\_, that the information contained in this  
Name of Organization

application is true and correct.

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



**California Governor's Office of Emergency Services  
SUPPLEMENTAL GRANT SUBAWARD INFORMATION**

The California Governor's Office of Emergency Services (Cal OES), makes a Grant Subaward of funds set forth to the following:

1. Subrecipient: Humboldt Bay Municipal Water District 1a. DUNS#: 04-739-1776

2. Implementing Agency: Humboldt Bay Municipal Water District 2a. DUNS#: 04-739-1776

3. Implementing Agency Address: PO Box 95 Eureka CA 95502-0095  
Street City State ZIP+4

4. Location of Project: Arcata Humboldt 95521  
City County ZIP+4

5. Federal Award Identification Number: FEMA-4344-DR-CA 6. Performance Period: 07/17/2020 to 03/17/2021

7. Indirect Cost Rate:  N/A  10% de minimis  Federally Approved ICR \$76,981

**8. Supplement Information**

Supp No.	Federal Share	Non-Federal Share	Admin Cost	Total Supplement Cost	Fed / Non-Fed Percentage
121	\$246,750.00	\$82,250.00	\$0.00	\$329,000.00	75% / 25%
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	
<b>Totals:</b>	\$246,750.00	\$82,250.00	\$0.00		

Total Project Cost: \$329,000.00

**9. Primary Authorized Agent:**

Name: John Friedenbach Title: General Manager

Phone: 707-443-5018 Email: friedenbach@hbmwd.com

Mailing Address: 828 7th Street Eureka CA 95501-1114  
Street City State ZIP+4

Payment Mailing Address: PO Box 95 Eureka CA 95502-0095  
Street City State ZIP+4



**Cal OES**  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES

Cal OES ID No.: 023-91000

DUNS Number: 047391776

Previous Fiscal Year End Date: 06/30/2020

### Federal Funding Accountability and Transparency Act (FFATA) Financial Disclosure

Public Law (PL) 109-282 Federal Funding Accountability and Transparency Act of 2006, as amended by Section 6202(a) of the Government Funding Transparency Act of 2008 (PL 110-252), which is outlined in the U.S. Department of Homeland Security, Federal Emergency Management Agency's Grant Program Directorate Information Bulletin No. 350, dated November 23, 2010 ([www.fsr.gov](http://www.fsr.gov)).

Entity Name: Humboldt Bay Municipal Water District

You are subject to FFATA Financial Disclosure and must complete the below table if you can answer **YES** to **ALL** of the below criteria:

- Received 80% or more of annual gross revenues in U.S. federal contracts, subcontracts, loans, grants, subgrants, and/or cooperative agreements in your preceding fiscal year
- \$25,000,000 or more in annual gross revenues from U.S. federal contracts, subcontracts, loans, grants, subgrants, and/or cooperative agreements
- The public does not have access to information about the compensation of your senior executives.

Executive Name	Title	Annual Salary	Annual Dollar Value of Benefits	Total Compensation

Not subject to FFATA Financial Disclosure.

I, John Friedenbach, do hereby certify, as the authorized agent  
Printed Name

of the above named entity, the information contained in this document is true and correct.

General Manager  
Title of Authorized Agent

Signature of Authorized Agent

Date

**From:** Jeff Knauer <Jeff.Knauer@ghd.com>  
**Sent:** Wednesday, July 22, 2020 8:34 AM  
**To:** Nathan Stevens <Nathan.Stevens@ghd.com>  
**Subject:** HBMWD 2 MG Tank Monthly Rectifier Assessment Form

HBMWD Team,

Attached to this email is a file titled "2 MG Tank Monthly Rectifier Assessment Form". Please review the "2 MG Tank Monthly Rectifier Assessment Form" and let us know if you have any questions or comments; or would like any changes made to the document. Pending your approval, you may wish to begin using the document immediately (at the time of the next monthly assessment). We recommend that you print a few copies and place them in the rectifier cabinet in a laminated sleeve, large plastic bag, plastic folder, or other such air-tight enclosure so that they will not mildew or otherwise degrade over time. We also recommend annually scanning the forms and saving the electronic copies to your server while the hard copies can stay with the rectifier.

There are seven (7) fields on the form that should be recorded on a monthly basis:

1. The date
2. Reference Cell A1 potential (voltage) reading
3. Reference Cell A2 potential (voltage) reading
4. The DC voltage output from the panel gauge in Volts.
5. The DC current output from the panel gauge in Amperes\*.
6. The set Mode\*\*
7. The set Voltage

\*The gauge was noted as reading "0.0" as a part of the 2016 assessment (by others). The current output may be below the resolution of the gauge: there is some amount of DC current output from the rectifier but it cannot be measured by the gauge at very low levels.

\*\*The Mode should always be set to Auto.

A manufacturer's Operations & Maintenance manual for the tank rectifier could not be located. Attached is an O&M Manual for the Universal Rectifier RK19 Solid State Rectifier: it is not the same rectifier that serves the 2 MG tank but it is similar. You may wish to print, laminate, and keep the manual in the door of the rectifier cabinet.



# FINANCIALS



**HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
STATEMENT OF FUND BALANCES - PAGE 1 OF 2**



<b><u>BANK ACCOUNT BALANCES AT MONTH-END</u></b>	July 31, 2020	July 31, 2019
<b>GENERAL ACCOUNTS</b>		
1. US Bank - General Account	2,392,911.26	1,666,581.44
2. US Bank - Xpress BillPay/Electronic Payments Account	6,888.38	-
<i>Subtotal</i>	2,399,799.64	1,666,581.44
<b>INVESTMENT &amp; INTEREST BEARING ACCOUNTS</b>		
3. US Bank - DWR/SRF Money Markey Acct	166,489.60	165,336.96
4. US Bank - DWR/SRF Reserve CD Account	547,336.94	547,336.94
5. US Bank - PARS Investment Account	821,939.71	747,239.31
6. L. A. I. F Account - General Account	1,687.78	1,677.45
7. L. A. I. F Account - MSRA Reserve Account	439,698.55	-
8. CalTRUST - Restricted Inv. Account (Medium Term)	1,320,606.21	-
9. CalTRUST - Unrestricted Inv. Account (Medium Term)	420,267.00	-
10. CalTRUST - DWFP Reserve Account (FedFund)	239,586.72	-
11. CalTRUST - ReMat Account (LEAF Fund)	554,889.73	-
12. CalTRUST - General Reserve Account (Short-Term)	1,235,420.22	-
13. Humboldt County - SRF Loan Payment Account	96,281.96	96,052.79
14. Humboldt County - 1% Tax Account	392,205.46	31,906.24
15. Principle Investment Account	22,657.62	30,993.36
<i>Subtotal</i>	6,259,067.50	1,620,543.05
<b>OTHER ACCOUNTS</b>		
16. ReMat Deposit - Mellon Bank	27,000.00	27,000.00
17. Cash on Hand	650.00	650.00
18. Humboldt County - Investment Account (clsd)	7,368.53	1,398,705.78
19. Humboldt County - DWFP Reserve Account (clsd)	1,028.36	238,086.51
20. Humboldt County - MSRA Reserve Account (clsd)	1,861.87	435,757.74
21. Humboldt County - ReMat Account (clsd)	2,158.18	507,787.05
<i>Subtotal</i>	40,066.94	2,607,987.08
<b>TOTAL CASH</b>	<b>8,698,934.08</b>	<b>5,895,111.57</b>

**HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
STATEMENT OF FUND BALANCES - PAGE 2 OF 2**

**FUND BALANCES AT MONTH-END**

July 31, 2020

July 31, 2019

**RESTRICTED FUNDS - ENCUMBERED**

1. Prior-Year Price Factor 2 Rebate	(24,045.17)	(59,786.27)
2. Prior-Year Restricted AP Encumbrances	(216,627.00)	(134,067.00)
3. Advanced Charges - 12Kv Relocation	(173,427.00)	(499,950.00)
4. Advanced Charges - 18,000lb Excavator	(222,800.00)	(54,343.00)
5. Advanced Charges - 3x Tank Seismic Retrofit	(191,667.00)	(30,000.00)
6. Advanced Charges - Cathodic Protection Project	(8,333.00)	-
7. Advanced Charges - Collector 2 Rehabilitation	(641,434.00)	(385,000.00)
8. Advanced Charges - On-Site Generation of Chlorine	(422,860.00)	-
9. Advanced Charges - Redundant Pipeline	(104,167.00)	-
10. Advanced Charges - TRF Emergency Generator	(277,083.00)	(225,000.00)
11. Advanced Charges - Chlorine Scrubber	-	(350,000.00)
<i>Subtotal</i>	(2,282,443.17)	(1,738,146.27)

**RESTRICTED FUNDS - OTHER**

12. 1% Tax Credit to Muni's	(392,205.46)	(31,906.24)
13. DWR Reserve for SRF Payment	(166,489.60)	(165,558.79)
14. DWR Reserve for SRF Loan	(547,336.94)	(547,336.94)
15. Pension Trust Reserves	(821,939.71)	(747,239.31)
16. ReMat Deposit	(27,000.00)	(27,000.00)
17. HB Retail Capital Replacement Reserves	(55,737.98)	-
<i>Subtotal</i>	(2,010,709.69)	(1,519,041.28)

**UNRESTRICTED FUNDS**

**BOARD RESTRICTED**

18. MSRA Reserves	(443,248.20)	(435,757.74)
19. DWFP Reserves	(240,615.08)	(238,086.51)
20. ReMat Reserves	(557,047.91)	(507,787.05)
21. Paik-Nicely Development	(4,158.00)	(4,158.00)
22. Principle Investment Reserves	(22,657.62)	(30,993.36)
<i>Subtotal</i>	(1,267,726.81)	(1,216,782.66)

**UNRESTRICTED RESERVES**

23. Accumulation for SRF Payment	(50,441.44)	(50,441.36)
24. Accumulation for Ranney/Techite Payment	(18,897.80)	76.70
25. General Fund Reserves	(3,068,715.17)	(1,376,409.14)
<i>Subtotal</i>	(3,138,054.41)	(1,421,141.36)
<b>TOTAL NET POSITION</b>	<b>(8,698,934.08)</b>	<b>(5,895,111.57)</b>

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

REVENUE REPORT

July 31, 2020

SECTION 10.20 PAGE NO. 3

Of Budget Year

**A. REVENUE RETURNED TO CUSTOMERS VIA PF2**

	MTD RECEIPTS	YTD RECEIPTS	PRIOR YEAR	BUDGET	% OF BUDGET
<b>1. Humboldt Bay Retail Water Revenue</b>	22,316	22,316	36,294	318,394	7%
<b>General Revenue</b>					
Interest	0	0	232	30,000	0%
FCSO Contract (Maint. & Operations)	57,362	57,362	62,485	225,000	25%
Power Sales (Net ReMat)	32,805	32,805	11,725	220,000	15%
Tax Receipts (1% Taxes)	0	0	0	825,000	0%
<b>2. Miscellaneous Revenue*</b>	9,351	9,351	2,651	50,000	19%
<i>*Detail on following page</i>					
<b>TOTAL PF2 REVENUE CREDITS</b>	<b>121,833</b>	<b>121,833</b>	<b>113,388</b>	<b>1,668,394</b>	<b>7%</b>

**B. DISTRICT REVENUE**

	MTD RECEIPTS	YTD RECEIPTS	PRIOR YEAR	BUDGET	% OF BUDGET
<b>3. Industrial Water Revenue</b>					
Harbor District	0	0	0	0	0
<i>Subtotal Industrial Water Revenue</i>	0	0	0	0	0
<b>4. Municipal Water Revenue</b>					
City of Arcata	100,235	100,235	108,133	1,265,868	8%
City of Blue Lake	14,305	14,305	15,177	176,555	8%
City of Eureka	239,615	239,615	0	3,001,011	8%
Fieldbrook CSD	12,878	12,878	14,245	159,894	8%
Humboldt CSD	78,202	78,202	87,389	946,349	8%
Manila CSD	5,546	5,546	5,857	69,016	8%
McKinleyville CSD	80,454	80,454	86,952	1,005,975	8%
<i>Subtotal Municipal Water Revenue</i>	531,235	531,235	317,752	6,624,669	8%
<b>TOTAL INDUSTRIAL &amp; WHOLESALE REVENUE</b>	<b>531,235</b>	<b>531,235</b>	<b>317,752</b>	<b>6,624,669</b>	<b>8%</b>
<b>5. Power Sales</b>					
Power Sales (ReMat Revenue)	67,408	67,408	19,367	300,000	22%
Interest (ReMat Revenue)	2,774	2,774	0	0	
<b>TOTAL REMAT REVENUE</b>	<b>70,182</b>	<b>70,182</b>	<b>19,367</b>	<b>300,000</b>	<b>23%</b>
<b>6. Other Revenue and Grant Reimbursement</b>					
HB Retail Capital Replacement Rev.	2,842	2,842	2,443		
FCSO Contract (Admin & Overhead)	7,584	7,584	7,809		
FEMA/CalOES Grant Revenue	0	0	0		
SWRCB In-Stream Flow Grant Revenue	0	0	0		
Quagga Grant (Pass-Through)	0	0	0		
Interest - Muni PF2 Retained	1,605	1,605	0		
Net Increase/(Decrease) Investment Accounts	20,500	20,500	144		
<b>TOTAL OTHER/GRANT REVENUE</b>	<b>32,531</b>	<b>32,531</b>	<b>10,397</b>		
<b>GRAND TOTAL ALL REVENUE</b>	<b>755,781</b>	<b>755,781</b>	<b>460,904</b>	<b>8,593,063</b>	<b>9%</b>

HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
 MISCELANEOUS REVENUE - DETAIL REPORT  
 July 31, 2020

**B. MISCELLANEOUS RECEIPTS (RETURNED TO CUSTOMERS VIA PF2)**

	MTD RECEIPTS	YTD RECEIPTS
<b><u>Miscellaneous Revenue</u></b>		
ACWA/JPIA HR LaBounty Safety Award	250	250
Dividend - Principal Life	299	299
Fees - Park Use	-	-
Rebate - CALCard	-	-
Refund - Diesel Fuel Tax	-	-
Refunds - Miscellaneous	-	-
Reimb. - Copies & Postage	1	1
Reimb. - Gas	-	-
Reimb. - Telephone	-	-
Rent - Parking Lot	-	-
Rent & Deposit - Vivid Green	500	500
Retirees' Health Ins./COBRA Reimb.	7,991	7,991
Sale - Surplus Equipment	-	-
UB - Bad Debt Recovery	-	-
UB - Water Processing Fees	30	30
<b><u>Ruth Area</u></b>		
Lease - Don Bridge	-	-
Rent - Ruth Cabin	280	280
<b>TOTAL MISCELANEOUS REVENUE</b>	<b>9,351</b>	<b>9,351</b>

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

WHOLESALE AND INDUSTRIAL - MONTHLY EXPENDITURE REPORT - PAGE 1 OF 3

July 31, 2020

8% Of Budget Year

**SALARY AND EMPLOYEE BENEFIT EXPENDITURES (S. E. B.)**

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
<b>Compensation</b>					
1. Wages - Regular	158,608.29	158,608.29	85,182.60	2,241,878	
2. Wages - Sick	5,249.19	5,249.19	2,659.80		
3. Wages - Vacation	16,028.30	16,028.30	21,899.94		
<i>Subtotal</i>	179,885.78	179,885.78	109,742.34	2,241,878	8%
4. Wages - Overtime	815.59	815.59	2,680.64	15,000	
5. Wages - Holiday (Worked)	588.49	588.49	1,434.73	15,000	
<i>Subtotal</i>	1,404.08	1,404.08	4,115.37	30,000	5%
6. Wages - Part-Time	5,392.50	5,392.50	3,755.98	78,551	7%
7. Wages - Shift Differential	815.20	815.20	803.80	11,000	7%
8. Wages - Standby	6,356.83	6,356.83	7,339.03	81,000	8%
9. Director Compensation	1,920.00	1,920.00	2,000.00	26,000	7%
10. Secretarial Fees	262.50	262.50	262.50	3,200	8%
11. Payroll Tax Expenses	15,063.98	15,063.98	7,897.89	192,173	8%
<i>Subtotal</i>	29,811.01	29,811.01	22,059.20	391,924	8%
<b>Employee Benefits</b>					
12. Health, Life,& LTD Ins.	57,429.10	57,429.10	227.11	704,507	8%
13. Air Medical Insurance	-	-	-	2,145	0%
14. Retiree Medical Insurance	12,822.90	12,822.90	11,405.30	103,530	12%
15. Employee Dental Insurance	2,812.60	2,812.60	417.28	39,399	7%
16. Employee Vision Insurance	612.48	612.48	612.48	7,350	8%
17. Employee EAP	85.09	85.09	11.75	1,116	8%
18. 457b District Contribution	2,600.00	2,600.00	2,650.00	30,600	8%
19. CalPERS Expenses	232,769.21	232,769.21	201,123.73	547,851	42%
20. Workers Comp Insurance	22,090.53	22,090.53	26,534.32	100,961	22%
<i>Subtotal</i>	331,221.91	331,221.91	242,981.97	1,537,459	22%
<b>TOTAL S.E.B</b>	<b>542,322.78</b>	<b>542,322.78</b>	<b>378,898.88</b>	<b>4,201,261</b>	<b>13%</b>



HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
 MONTHLY EXPENDITURE REPORT - PAGE 2 OF 3  
 July 31, 2020

SECTION 10.20, PAGE NO. 6

8% Of Budget Year

**SERVICE & SUPPLY EXPENDITURES (S & S)**

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
<b>Operations &amp; Maintenance</b>					
1. Auto Maintenance	1,631.97	1,631.97	3,082.42	39,700	4%
2. Engineering	1,958.27	1,958.27	-	75,000	3%
3. Lab Expenses	-	-	75.00	13,000	0%
4. Maintenance & Repairs					
General	945.28	945.28	2,915.53	48,000	2%
TRF	-	-	1,168.62	20,000	0%
<i>Subtotal</i>	<i>945.28</i>	<i>945.28</i>	<i>4,084.15</i>	<i>68,000</i>	<i>1%</i>
5. Materials & Supplies					
General	4,533.56	4,533.56	5,599.54	38,000	12%
TRF	-	-	1,140.71	35,000	0%
<i>Subtotal</i>	<i>4,533.56</i>	<i>4,533.56</i>	<i>6,740.25</i>	<i>73,000</i>	<i>6%</i>
6. Radio Maintenance	535.00	535.00	524.28	8,500	6%
7. Ruth Lake License	-	-	-	1,500	0%
8. Safety Equip./Training					
General	1,258.64	1,258.64	1,910.22	22,000	6%
TRF	-	-	135.00	2,000	0%
<i>Subtotal</i>	<i>1,258.64</i>	<i>1,258.64</i>	<i>2,045.22</i>	<i>24,000</i>	<i>5%</i>
9. Tools & Equipment	157.31	157.31	15.16	5,000	3%
10. USGS Meter Station	-	-	-	8,500	0%
<i>Operations Subtotal</i>	<i>11,020.03</i>	<i>11,020.03</i>	<i>16,566.48</i>	<i>316,200</i>	<i>3%</i>

**General & Administration**

11. Accounting Services	-	-	-	18,000	0%
12. Bad Debt Expense	-	-	-	-	0
13. Dues & Subscriptions	1,727.70	1,727.70	1,695.37	28,100	6%
14. General Manager Training	-	-	-	3,000	0%
15. IT & Software Maintenance	1,294.64	1,294.64	2,306.48	31,000	4%
16. Insurance	42,984.65	42,984.65	29,374.70	111,000	39%
17. Internet	802.76	802.76	789.45	10,000	8%
18. Legal Services	2,052.00	2,052.00	3,833.50	35,000	6%
19. Miscellaneous	50.00	50.00	456.67	11,500	0%
20. Office Building Maint.	1,775.07	1,775.07	1,289.83	16,000	11%
21. Office Expense	2,500.82	2,500.82	3,096.08	40,500	6%
22. Professional Services	184.47	184.47	987.50	20,000	1%
23. Property Tax	-	-	-	1,000	0%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
 MONTHLY EXPENDITURE REPORT - PAGE 3 OF 3  
 July 31, 2020

SECTION 10.20 PAGE NO. 7

8% Of Budget Year

<b>SERVICE &amp; SUPPLY EXPENDITURES (con't)</b>					
	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
24. Regulatory Agency Fees	-	-	1,946.83	141,000	0%
25. Ruth Lake Programs	-	-	-	5,000	0%
26. Safety Apparel	-	-	(159.00)	3,000	0%
27. Technical Training	250.00	250.00	-	14,500	2%
28. Telephone	3,835.83	3,835.83	4,454.61	49,000	8%
29. Travel & Conference	-	-	-	25,000	0%
<b>Gen. &amp; Admin. Subtotal</b>	<b>57,457.94</b>	<b>57,457.94</b>	<b>50,072.02</b>	<b>562,600</b>	<b>10%</b>
<b>Power</b>					
30. Essex - PG & E	59,914.98	59,914.98	57,637.26		
31. 2Mw Generator Fuel	3,358.48	3,358.48	-		
<b>Subtotal Essex Pumping</b>	<b>63,273.46</b>	<b>63,273.46</b>	<b>57,637.26</b>		
32. All other PG & E	5,884.16	5,884.16	7,211.50		
<b>Subtotal All Power</b>	<b>69,157.62</b>	<b>69,157.62</b>	<b>64,848.76</b>	<b>764,500</b>	<b>9%</b>
<b>Total Service and Supplies incl. Power</b>	<b>137,635.59</b>	<b>137,635.59</b>	<b>131,487.26</b>	<b>1,643,300</b>	<b>8%</b>

**PROJECTS, FIXED ASSETS & CONSULTING SERVICES**

	Month-to-Date	Year-to-Date	Budget	% of Budget
	278,710.00	278,710.00	11,116,238	3%

<b>GRAND TOTAL EXPENSES</b>	<b>958,668.37</b>	<b>958,668.37</b>	<b>510,386.14</b>	<b>16,960,799</b>	<b>6%</b>
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33. Debt Service - SRF Loan	-	-	-	547,337	0%
34. Debt Service - US Bank	-	-	-	162,200	0%

**TOTAL EXPENSES WITH DEBT SERVICE**

	<b>966,252.67</b>	<b>966,252.67</b>	<b>510,386.14</b>	<b>17,670,336</b>	
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**OTHER EXPENSES**

35. ReMat Consultant Exp.	7,584.30	7,584.30	3,779.34		
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**HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
PROJECT PROGRESS REPORT**

July 31, 2020

SECTION 10.20 PAGE NO. 8

8% Of Budget Year

**A. CAPITAL PROJECTS**

	MTD	YTD		% OF
<b>ACTIVE GRANT FUNDED CAPITAL PROJECTS</b>	<b>EXPENSES</b>	<b>TOTAL</b>	<b>BUDGET</b>	<b>BUDGET</b>
1 Grant - 12kV Switchgear Relocation <i>(\$3M - FEMA Grant)</i>	157,953	157,953	2,517,062	6%
2 Grant - Collector 2 Rehabilitation <i>(\$1.6M - NCRP Prop 1 Grant)</i>	233	233	1,600,000	0%
3 Grant - 3x Tank Seismic Retro <i>(\$3.5M - FEMA Grant, Phase 1 Approved)</i>	0	0	329,000	0%
<b>NON-GRANT FUNDED CAPITAL PROJECTS</b>				
4 Fiber Optic Link - Collector 2 (Phase 1)	2,970	2,970	65,000	5%
5 On-Site Generation of Chlorine <i>(\$850k - FY21-22, Treatment Facility Project)</i>	0	0	850,000	0%
6 Techite Intertie Location Abandonment	0	0	12,000	0%
7 FY21 Mainline Valve Replacement	0	0	31,750	0%
8 Main Office Emergency Generator	0	0	37,250	0%
9 Transformer at Hydro Plant	0	0	160,000	0%
10 Interruptor Switchgear Panel	0	0	28,000	0%
11 Headquarters Remodel	0	0	120,000	0%
12 Headquarters Fire System & Pump House	0	0	4,500	0%
13 Headquarters & Bunkhouse Generator	0	0	15,000	0%
14 Curbing on Mad River Road	0	0	5,800	0%
<b>TOTAL CAPITAL PROJECTS</b>	<b>161,156</b>	<b>161,156</b>	<b>5,775,362</b>	<b>3%</b>

**B. EQUIPMENT AND FIXED ASSET PROJECTS**

	MTD	YTD		% OF
	<b>EXPENSES</b>	<b>TOTAL</b>	<b>BUDGET</b>	<b>BUDGET</b>
15 FY21 Replace Admin Computers (Ops)	0	0	2,500	0%
16 Ruth Vehicle (Unit 6)	0	0	62,500	0%
17 High Pressure Washer	0	0	11,250	0%
18 Portable Sandblasting Unit	4,195	4,195	4,750	88%
19 Wheels/Tires on Ziemann Trailer	0	0	3,250	0%
20 Ergonomic Desks for AOS, WOS, Electrical Shop	0	0	4,750	0%
21 2 New Laptop Computers	0	0	3,000	0%
22 Tractor Mower	0	0	8,500	0%
23 Tools & Equipment Storage for Shop	0	0	2,750	0%

**HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
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**B. EQUIPMENT AND FIXED ASSET PROJECTS (con't)**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
24 Trench Shoring Equipment	0	0	3,750	0%
25 Portable Electric Valve Operator	0	0	11,000	0%
26 Hazardous Spill Containment Equipment	0	0	2,500	0%
27 Tractor	0	0	70,750	0%
28 Tilt-Deck Equipment Trailer	0	0	12,750	0%
29 Hydraulic Bolt Torque Machine	0	0	12,000	0%
30 Sieve Shaker	0	0	2,500	0%
<i>(Treatment Facility Project)</i>				
31 Replace Admin Computers (Office)	0	0	5,500	0%
32 Ergonomic Desk for Customer Service Desk	0	0	3,000	0%
33 Front Office Doors	0	0	6,000	0%
34 Base Radio Units for HQ & Relief Operator	0	0	3,750	0%
35 Howell Bungler Valve Cylinders	0	0	8,750	0%
36 Ruth Property Maintenance Equipment	0	0	4,000	0%
37 Ruth HQ Shop Lighting Upgrade/Equipment	0	0	6,250	0%
38 Log Boom Inspection Equipment	0	0	2,500	0%
<b>TOTAL EQUIPMENT &amp; FIXED ASSET PROJECTS</b>	<b>4,195</b>	<b>4,195</b>	<b>258,250</b>	<b>2%</b>

**C. MAINTENANCE PROJECTS**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
39 FY21 Pipeline Maintenance	0	0	12,750	0%
40 FY21 12kV System Maintenance	0	0	4,000	0%
41 FY21 Main Line Meter Flow Calculation	0	0	14,000	0%
42 FY21 Technical Support/Software Updates	0	0	17,250	0%
43 FY21 Generator Services	0	0	3,500	0%
44 FY21 TRF Generator Services	0	0	500	0%
<i>(Treatment Facility Project)</i>				
45 FY21 Hazard/Diseased Tree Removal	0	0	8,000	0%
46 FY21 Cathodic Protection	0	0	6,500	0%
47 FY21 Maintenance Emergency Repairs	0	0	50,000	0%
48 FY21 Fleet Paint Repairs	0	0	5,000	0%
49 Surge Tank Refurbishments	0	0	3,000	0%
50 Microsoft Office Package Upgrade	0	0	8,250	0%
51 FY21 Pipeline Repair Parts	0	0	12,250	0%
52 Collector Lube Oil Reservoir Replacement	0	0	16,000	0%
53 Oil Filter Crushing Station	0	0	2,500	0%
54 35kW Voltage Selector Switch	0	0	5,500	0%
55 Fence/Gate-DG Fairhaven Fire Service Meter	0	0	6,400	0%
56 FY21 TRF Limitorque Valve Retrofit Supplies	0	0	14,500	0%
<i>(Treatment Facility Project)</i>				

**C. MAINTENANCE PROJECTS (con't)**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
57 FY21 Chemical Pump Spare Parts Inventory <i>(Treatment Facility Project)</i>	1,043	1,043	5,250	20%
58 Emergency Sample Sump Pump <i>(Treatment Facility Project)</i>	0	0	6,250	0%
59 TRF Process Pumps Rebuild Kit Inventory <i>(Treatment Facility Project)</i>	160	160	8,250	2%
60 Sludge Bed Lighting Project <i>(Treatment Facility Project)</i>	0	0	4,250	0%
61 Emergency Limitorque Gear Boxes <i>(Treatment Facility Project)</i>	0	0	14,750	0%
62 Brush Abatement - Ruth Hydro	0	0	6,500	0%
63 Howell Bungler Valve Inspection	0	0	1,110	0%
64 Ruth LTO Insurance	0	0	5,000	0%
65 Log Boom Inspection	0	0	1,000	0%
66 FY21 Abandoned Vehicle Abatement - Ruth	0	0	4,000	0%
67 Log Boom Hardware Replacement	4,127	4,127	7,000	59%
<b>TOTAL MAINTENANCE PROJECTS</b>	<b>5,330</b>	<b>5,330</b>	<b>253,260</b>	<b>2%</b>

**D. PROFESSIONAL & CONSULTING SERVICES**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
68 FY21 Crane Testing/Certification	0	0	10,000	0%
69 FY21 Chlorine System Maintenance	0	0	16,750	0%
70 FY21 Backflow Meter Training	0	0	3,000	0%
71 Hydro Plant Annual Elect. & Maintenance Inspection	0	0	2,050	0%
72 FY21 Essex Mad River Cross-Sectional Survey	0	0	10,000	0%
73 FY21 Technical Training	0	0	23,250	0%
74 FY21 O & M Training	0	0	20,000	0%
75 FY21 Essex Server Backup System (Monthly Fees)	8,580	8,580	8,750	98%
76 FY21 Public Education Funds	0	0	5,000	0%
77 Water Plan	187	187	30,000	1%
78 FY21 Electrical Technical Training	0	0	13,250	0%
79 FY21 Annual Section 115 Pension Trust Contribution	50,000	50,000	50,000	100%
80 FY21 Grant Application Assistance	0	0	20,000	0%
81 Comp. Domestic Pipeline Fitness Eval.	0	0	195,000	0%
82 Staff Gauge Survey	0	0	3,800	0%
83 Retail Rate Study Assistance	0	0	5,000	0%
84 FERC Part 12 - Plunge Pool Underwater Inspection	0	0	13,500	0%
85 FERC Part 12 - Geologist Inspection	0	0	6,800	0%
86 FERC Part 12 - Ind. Consultant Insp. (FY22)	0	0	20,000	0%



**HUMBOLDT BAY MUNICIPAL WATER DISTRICT**  
**PROJECT PROGRESS REPORT - PAGE 4 OF 5**  
 July 31, 2020

**D. PROFESSIONAL & CONSULTING SERVICES (CONT)**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
87 FERC - Dam Safety Surveillance & Monitoring Report	0	0	8,000	0%
88 FERC - Dam Safety Engineer	0	0	12,000	0%
89 Dam Spillway Wall Monument Survey	0	0	7,600	0%
90 Spillway Repair, Inspection & Reporting Assistance	0	0	10,000	0%
<b>TOTAL PROF/CONSULTING SERVICES</b>	<b>58,767</b>	<b>58,767</b>	<b>493,750</b>	<b>12%</b>

**E. INDUSTRIAL SYSTEM PROJECTS**

91 Maintain Water Supply to PS6 during Low-Flow	0	0	13,250	0.0%
<b>TOTAL INDUSTRIAL SYSTEM PROJECTS</b>	<b>0</b>	<b>0</b>	<b>13,250</b>	<b>0%</b>

**F. CARRY-OVER PROJECTS FROM PRIOR YEAR**

92 Collector 5 Security & Anti-Vandalism Measures	0	0	7,500	0%
<b>TOTAL CARRYOVER PROJECTS</b>	<b>0</b>	<b>0</b>	<b>7,500</b>	<b>0%</b>

**G. PROJECTS NOT CHARGED TO MUNICIPAL CUSTOMERS**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
93 18,000 Lb. Excavator	0	0	222,800	0%
<i>(Advanced Charges)</i>				
94 HB Retail Radio-Read Meter Project	0	0	7,500	0%
<i>(HB Retail Capital Replacement Funds)</i>				
95 Streambed Flow Enhancement Grant	2,016	2,016	467,969	0%
<i>(DWR Grant)</i>				
96 Refurbish PS-6 (Phase 1)	2,217	2,217	3,500,000	0%
<i>(EDA Grant &amp; Reserves)</i>				
97 I/W Reservoir Fencing Repairs/Replacement	0	0	11,250	0%
<i>(Reserves)</i>				
98 I/W System Evaluation Memo	0	0	26,000	0%
<i>(Reserves)</i>				
99 PS6 Gravel Bar Work	0	0	76,100	0%
<i>(Reserves)</i>				
100 Industrial System Assistance	0	0	10,000	0%
<i>(Reserves)</i>				
101 Industrial/Domestic System Intertie	0	0	11,000	0%
<i>(Reserves)</i>				
<b>TOTAL NOT CHARGED TO CUSTOMERS</b>	<b>4,232</b>	<b>4,232</b>	<b>4,332,619</b>	<b>0%</b>

**ADVANCED CHARGES & DEBIT SERVICE FUNDS COLLECTED - FY21**

	MTD	YTD	BUDGET	% BUDGET
102 Grant - Collector Mainline Redundancy Pipeline <i>(\$3.1M - PENDING FEMA Grant)</i>	4,167	4,167	50,000	8%
103 Grant - Collector 2 Rehabilitation <i>(\$1.2M - NCRP Prop1 Grant)</i>	16,667	16,667	200,000	8%
104 Grant - 3x Tank Seismic Retro <i>(\$3.5M - FEMA Grant, Phase 1 Approved)</i>	16,667	16,667	200,000	8%
105 Grant - TRF Generator <i>(\$1.9M - PENDING FEMA Grant)</i>	2,083	2,083	25,000	8%
106 Cathodic Protection Project <i>(\$405k, FY22)</i>	8,333	8,333	100,000	8%
107 On-Site Generation of Chlorine <i>(\$850k, FY21-22)</i>	6,667	6,667	80,000	8%
108 Ranney Collector 3/Techite Debit Service Funds	14,745	14,745	162,200	9%
<b>TOTAL ADVANCED CHARGES COLLECTED - FY21</b>	<b>69,329</b>	<b>69,329</b>	<b>817,200</b>	<b>8%</b>

**PROJECT PROGRESS REPORT SUMMARY OF ALL ACTIVITY**

CUSTOMER CHARGES	MTD	YTD	BUDGET	% BUDGET
TOTAL NON-GRANT FUNDED CAPITAL PROJECTS*	2,970	2,970	479,300	1%
TOTAL EQUIPMENT & FIXED ASSET PROJECTS	4,195	4,195	258,250	2%
TOTAL MAINTENANCE PROJECTS	5,330	5,330	253,260	2%
TOTAL PROF/CONSULTING SERVICES	58,767	58,767	493,750	12%
TOTAL INDUSTRIAL SYSTEM PROJECTS	0	0	13,250	0%
TOTAL CARRYOVER PROJECTS	0	0	7,500	0%
TOTAL ADVANCED CHARGES/DEBIT SERVICE - FY21	69,329	69,329	817,200	8%
<b>TOTAL CUSTOMER CHARGES</b>	<b>\$140,590</b>	<b>\$140,590</b>	<b>\$2,322,510</b>	<b>6%</b>

\*EXCLUDES ON-SITE GENERATION OF CHLORINE

NON-CUSTOMER CHARGES	MTD	YTD	BUDGET	% BUDGET
TOTAL GRANT FUNDED CAPITAL PROJECTS	158,186	158,186	4,446,062	4%
TOTAL NON-CUSTOMER CHARGES	4,232	4,232	4,332,619	0%
TOTAL USE OF ENCUMBERED FUNDS	22,515	22,515	229,305	10%
<b>TOTAL NON-CUSTOMER CHARGES</b>	<b>\$184,933</b>	<b>\$184,933</b>	<b>\$9,007,986</b>	<b>2%</b>
<b>GRAND TOTAL PROJECT BUDGET ACTIVITY</b>	<b>\$325,523</b>	<b>\$325,523</b>	<b>\$11,330,496</b>	<b>3%</b>

**HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
ENCUMBERED FUNDS RECONCILIATION REPORT  
July 31, 2020**

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	MTD EXPENSES	YTD TOTAL	AMOUNT ENCUMBERED	REMAINING
<b>A. CAPITAL PROJECTS</b>				
1 TRF Line Shed 5	4,742	4,742	14,950	10,208
<b>B. EQUIPMENT &amp; FIXED ASSET PROJECTS</b>				
2 Chlorine System Maintenance	393	393	3,050	2,657
3 Col. 2 Underground 12Kv Power/Fiber Optic	0	0	21,460	21,460
4 Eureka Office Carpeting	0	0	14,500	14,500
5 Eureka Office ADA Upgrades	0	0	3,275	3,275
6 Fleet Maintenance Equipment	0	0	300	300
7 Meter Reader Handheld Unit	3,100	3,100	4,500	1,400
8 Replacement of UPS's (Phase 2)	12,306	12,306	27,950	15,644
<b>C. MAINTENANCE PROJECTS</b>				
9 Collector 1 Electrical Upgrade 2018/19	0	0	31,000	31,000
10 Gates at I/W Reservoir and SBPS	91	91	800	709
11 Ruth HQ Dock Decking	530	530	2,200	1,670
12 Ruth Slide Gate Hydraulic Oil	233	233	1,950	1,717
<b>D. PROFESSIONAL &amp; CONSULTING SERVICES</b>				
13 Hydro Plant Electrical and Maintenance Insp.	0	0	2,000	2,000
14 Ruth Hydro Relay Replacement-Phase 2	106	106	87,000	86,894
15 FY20 Abandoned Vehicle Abatement - Ruth	0	0	10,000	10,000
<b>E. FY20 SERVICE &amp; SUPPLY BUDGET</b>				
16 MAINTENANCE & REPAIRS	465	465	2,465	2,000
17 MATERIALS & SUPPLIES	50	50	50	0
18 SAFETY EQUIP & TRAINING	500	500	550	50
19 ACCOUNTING	0	0	1,305	1,305
<b>ENCUMBERED FUNDS TOTAL</b>	<b>22,515</b>	<b>22,515</b>	<b>229,305</b>	<b>206,790</b>

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
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Vendor Name	Date Paid	Description	Amount Paid
<b>101 NETLINK</b>			
101 NETLINK	07/06/2020	Ruth Data Link/Internet	160.00
Total 101 NETLINK:			160.00
<b>ACWA/JPIA</b>			
ACWA/JPIA	07/31/2020	Property Program 7/1/20 - 6/30/21 General	17,885.53
ACWA/JPIA	07/31/2020	Property Program 7/1/20 - 6/30/21 - Hydro	3,592.72
ACWA/JPIA	07/31/2020	Property Program 7/1/20 - 6/30/21 TRF	11,096.40
ACWA/JPIA	07/22/2020	Workers Compensation April - June 2020	22,090.53
ACWA/JPIA	07/20/2020	RETIREE MEDICAL	12,519.34
ACWA/JPIA	07/20/2020	COBRA Dental	229.32
ACWA/JPIA	07/20/2020	COBRA Vision	74.24
Total ACWA/JPIA:			67,488.08
<b>Advanced Security Systems</b>			
Advanced Security Systems	07/06/2020	Eureka office Quarterly Alarm System Monitoring	159.96
Advanced Security Systems	07/06/2020	Essex office Quarterly Alarm System Monitoring	356.46
Total Advanced Security Systems:			516.42
<b>AirGas NCN</b>			
AirGas NCN	07/30/2020	maintenance supplies	36.13
AirGas NCN	07/30/2020	maintenance supplies	20.60
Total AirGas NCN:			56.73
<b>Almquist Lumber</b>			
Almquist Lumber	07/30/2020	paint for Essex lab	37.90
Almquist Lumber	07/30/2020	maintenance supplies	66.86
Total Almquist Lumber:			104.76
<b>AT &amp; T</b>			
AT & T	07/21/2020	Eureka/Essex Land Line	35.05
AT & T	07/21/2020	Arcata/Essex Land Line	35.05
AT & T	07/21/2020	Samoa/Essex Land Line	235.02
AT & T	07/21/2020	Eureka Office Modem Line	267.28
AT & T	07/21/2020	Eureka Office Alarm Line	142.82
AT & T	07/21/2020	Samoa Booster Pump Station	145.34
AT & T	07/21/2020	Valve Building Samoa	267.27
AT & T	07/21/2020	Eureka office	585.12
AT & T	07/21/2020	TRF	262.24
AT & T	07/21/2020	Essex office/Modem/Alarm System	259.89
AT & T	07/21/2020	Ruth Hydro Data Line	259.89
Total AT & T:			2,494.97
<b>AT&amp;T Advertising Solutions</b>			
AT&T Advertising Solutions	07/29/2020	white page listing	21.00
Total AT&T Advertising Solutions:			21.00
<b>AT&amp;T Long Distance</b>			
AT&T Long Distance	07/13/2020	Eureka Office Long Distance	132.56
AT&T Long Distance	07/13/2020	Ruth Hydro/Dataline Long Distance	145.48

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
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Vendor Name	Date Paid	Description	Amount Paid
AT&T Long Distance	07/13/2020	Essex Control Long Distance	14.14
AT&T Long Distance	07/13/2020	Ruth HQ Long Distance	16.72
AT&T Long Distance	07/13/2020	TRF Long Distance	7.29
AT&T Long Distance	07/13/2020	Eureka Office Long Distance	7.08
AT&T Long Distance	07/13/2020	Valve Building-Samoa Long Distance	119.18
Total AT&T Long Distance:			442.45
<b>ATS Communications</b>			
ATS Communications	07/30/2020	Essex Server Backup system	8,580.00
Total ATS Communications:			8,580.00
<b>Bruce Brashear</b>			
Bruce Brashear	07/31/2020	expense reimbursement for Ruth HQ dock repair	30.20
Total Bruce Brashear:			30.20
<b>Chris Merz</b>			
Chris Merz	07/13/2020	Expense Reimbursement Work Crew supplies - Ruth Hydro annu	41.48
Chris Merz	07/27/2020	Expense Reimbursement Work Crew supplies - Ruth Hydro annu	54.21
Total Chris Merz:			95.69
<b>City of Eureka</b>			
City of Eureka	07/13/2020	Eureka office water/sewer	92.90
Total City of Eureka:			92.90
<b>Coastal Business Systems Inc.</b>			
Coastal Business Systems Inc.	07/15/2020	Eureka office copy and fax machine	974.56
Total Coastal Business Systems Inc.:			974.56
<b>Cole-Parmer Instrument Company</b>			
Cole-Parmer Instrument Company	07/30/2020	TRF process Pumps Rebuild Kit Inventory	160.07
Total Cole-Parmer Instrument Company:			160.07
<b>Dale H. Davidsen</b>			
Dale H. Davidsen	07/16/2020	expense reimbursement for Background check for Hazmat Endor	86.50
Dale H. Davidsen	07/31/2020	expense reimbursement for safety boots	105.89
Total Dale H. Davidsen:			192.39
<b>Dave Perkins</b>			
Dave Perkins	07/31/2020	auto mileage reimbursement	131.68
Total Dave Perkins:			131.68
<b>Downey Brand Attorneys LLP</b>			
Downey Brand Attorneys LLP	07/06/2020	Streambed Flow Enhancement Grant	1,408.00
Downey Brand Attorneys LLP	07/06/2020	Northern Mainline Extension Study	440.00
Downey Brand Attorneys LLP	07/20/2020	Northern Mainline Extension Study	88.00
Total Downey Brand Attorneys LLP:			1,936.00



Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
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Vendor Name	Date Paid	Description	Amount Paid
Engineering Solutions Services			
Engineering Solutions Services	07/29/2020	Grant Writing Assistance - EDA Grant for PS6 Rehab	1,657.00
Total Engineering Solutions Services:			1,657.00
<b>Eureka Overhead Door Company, Inc</b>			
Eureka Overhead Door Company, Inc	07/31/2020	TRF Line Shed 5	4,383.00
Total Eureka Overhead Door Company, Inc:			4,383.00
<b>Eureka Oxygen</b>			
Eureka Oxygen	07/13/2020	cylinder rental	115.40
Total Eureka Oxygen:			115.40
<b>Fastenal Company</b>			
Fastenal Company	07/30/2020	Ruth HQ dock maintenance	22.24
Total Fastenal Company:			22.24
<b>Ferguson Waterworks #1423</b>			
Ferguson Waterworks #1423	07/30/2020	Humboldt Bay meter reader	806.00
Ferguson Waterworks #1423	07/30/2020	Fieldbrook-Glendale CSD meter reader	2,294.00
Total Ferguson Waterworks #1423:			3,100.00
<b>Frontier Communications</b>			
Frontier Communications	07/29/2020	Ruth HQ Phone	54.95
Frontier Communications	07/29/2020	Ruth Hydro/Ruth Dataline	178.81
Total Frontier Communications:			233.76
<b>GHD</b>			
GHD	07/30/2020	Collector 2 12KV Underground Power and Fiber Optic Line	2,970.00
GHD	07/30/2020	12KV Switchgear Replacement Project	16,925.00
GHD	07/30/2020	General Engineering - Trinidad Rancheria water request	1,328.13
GHD	07/30/2020	General Engineering - Refurbish PS6 ( Phase 1) EDA Grant	559.50
GHD	07/30/2020	General Engineering - Water Quality Monitoring Plan (WQMP)	186.50
GHD	07/30/2020	General Engineering - Collector 2 Rehabilitation Grant	233.12
GHD	07/30/2020	General Engineering - Essex	1,585.26
GHD	07/30/2020	General Engineering - Eureka	373.01
Total GHD:			24,160.52
<b>H.T. Harvey &amp; Associates</b>			
H.T. Harvey & Associates	07/13/2020	Assistance with Streambed Flow Enhancement - Grant	607.75
Total H.T. Harvey & Associates:			607.75
<b>Health Equity Inc</b>			
Health Equity Inc	07/13/2020	HSA Admin Fee - 2 employees	5.90
Health Equity Inc	07/13/2020	HSA Admin Fee 8 employees	23.60
Total Health Equity Inc:			29.50
<b>Hensel Hardware</b>			
Hensel Hardware	07/30/2020	Essex Lab maintenance	49.89

Humboldt Bay Municipal Water District

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Vendor Name	Date Paid	Description	Amount Paid
Hensel Hardware	07/30/2020	Essex Lab maintenance	49.89-
Hensel Hardware	07/30/2020	Essex Lab maintenance	44.46
Total Hensel Hardware:			44.46
<b>Henwood Associates, Inc</b>			
Henwood Associates, Inc	07/13/2020	Consultant Services Agreement - May 2020	1,491.52
Henwood Associates, Inc	07/15/2020	Consultant Services Agreement - December 2018 & Remainder J	2,300.63
Total Henwood Associates, Inc:			3,792.15
<b>Hopkins Technical Products, Inc</b>			
Hopkins Technical Products, Inc	07/30/2020	TRF chemical pump spare parts inventory	1,043.00
Total Hopkins Technical Products, Inc:			1,043.00
<b>Humboldt County Treasurer</b>			
Humboldt County Treasurer	07/31/2020	Fund No 3876 Account 800870	45,611.43
Total Humboldt County Treasurer:			45,611.43
<b>Humboldt Redwood Company, LLC</b>			
Humboldt Redwood Company, LLC	07/15/2020	Mt Pierce Lease site	285.00
Total Humboldt Redwood Company, LLC:			285.00
<b>Janet Powell</b>			
Janet Powell	07/31/2020	auto mileage reimbursement	104.19
Total Janet Powell:			104.19
<b>Josiah Hargadon</b>			
Josiah Hargadon	07/16/2020	expense reimbursement-supplies for Ruth Hydro annual electrical	91.12
Total Josiah Hargadon:			91.12
<b>JTN Energy, LLC</b>			
JTN Energy, LLC	07/13/2020	Consultant Services Agreement - May 2020	1,491.52
JTN Energy, LLC	07/15/2020	Consultant Services Agreement - December 2018 & Remainder J	2,300.63
Total JTN Energy, LLC:			3,792.15
<b>Keenan Supply</b>			
Keenan Supply	07/30/2020	Line Shed 4 surge tank repair	320.86
Keenan Supply	07/30/2020	Humboldt Bay Retail customer service supplies	27.90
Total Keenan Supply:			348.76
<b>Lui Ahmad</b>			
Lui Ahmad	07/31/2020	Expense Reimbursement - Safety Boots	145.47
Total Lui Ahmad:			145.47
<b>McKinleyville Ace Hardware</b>			
McKinleyville Ace Hardware	07/30/2020	Essex Lab Maintenance	68.52
McKinleyville Ace Hardware	07/30/2020	Essex Control Building Flooring Replacement	56.19
McKinleyville Ace Hardware	07/30/2020	Essex Lab Maintenance	24.25-

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 7/1/2020-7/31/2020Page: 5  
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Vendor Name	Date Paid	Description	Amount Paid
Total McKinleyville Ace Hardware:			100.46
<b>Mendes Supply Company</b>			
Mendes Supply Company	07/30/2020	Eureka office maintenance	4.00
Mendes Supply Company	07/31/2020	Eureka office maintenance	49.10
Total Mendes Supply Company:			53.10
<b>Miller Farms Nursery</b>			
Miller Farms Nursery	07/31/2020	Repair Ruth weedeater	116.91
Total Miller Farms Nursery:			116.91
<b>Mitchell, Brisso, Delaney &amp; Vrieze</b>			
Mitchell, Brisso, Delaney & Vrieze	07/13/2020	Legal Services- Ruth Area May - June 2020	626.50
Mitchell, Brisso, Delaney & Vrieze	07/13/2020	Legal Services- May - June 2020	1,425.50
Total Mitchell, Brisso, Delaney & Vrieze:			2,052.00
<b>N1 Critical Technologies</b>			
N1 Critical Technologies	07/30/2020	Replace Essex UPSs	12,305.99
Total N1 Critical Technologies:			12,305.99
<b>Napa Auto Parts</b>			
Napa Auto Parts	07/30/2020	vehicle maintenance	8.66
Napa Auto Parts	07/30/2020	equipment maintenance	10.52
Total Napa Auto Parts:			19.18
<b>Network Management Services</b>			
Network Management Services	07/29/2020	Computer Assistance - Eureka office	184.47
Network Management Services	07/29/2020	Essential Care Computer Service for Eureka office	1,086.19
Total Network Management Services:			1,270.66
<b>Northern California Safety Consortium</b>			
Northern California Safety Consortium	07/29/2020	HAZWOPER Refresher training -5 employees	500.00
Northern California Safety Consortium	07/13/2020	membership fee	75.00
Total Northern California Safety Consortium:			575.00
<b>Pacific Gas &amp; Electric Co.</b>			
Pacific Gas & Electric Co.	07/20/2020	Eureka office	400.60
Pacific Gas & Electric Co.	07/20/2020	Jackson Ranch Rectifier	17.11
Pacific Gas & Electric Co.	07/20/2020	299 Rectifier	142.04
Pacific Gas & Electric Co.	07/20/2020	West End Road Rectifier	127.68
Pacific Gas & Electric Co.	07/20/2020	TRF	4,475.42
Pacific Gas & Electric Co.	07/20/2020	Ruth Hydro Valve Control	31.57
Pacific Gas & Electric Co.	07/20/2020	Ruth Hydro	57.49
Pacific Gas & Electric Co.	07/20/2020	Samoa Booster Pump Station	365.97
Pacific Gas & Electric Co.	07/20/2020	Samoa Dial Station	47.64
Pacific Gas & Electric Co.	07/20/2020	Essex Pumping June 1 - 30, 2020	59,914.98
Pacific Gas & Electric Co.	07/29/2020	Ruth Bunkhouse	122.95
Pacific Gas & Electric Co.	07/29/2020	Ruth HQ	95.69

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
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Vendor Name	Date Paid	Description	Amount Paid
Total Pacific Gas & Electric Co.:			65,799.14
<b>Pacific Lift and Equipment Co, Inc</b>			
Pacific Lift and Equipment Co, Inc	07/31/2020	Vehicle Lift annual inspection	464.95
Total Pacific Lift and Equipment Co, Inc:			464.95
<b>Pacific Paper Co.</b>			
Pacific Paper Co.	07/29/2020	Eureka office supplies	137.78
Pacific Paper Co.	07/29/2020	Eureka office supplies	152.48
Pacific Paper Co.	07/29/2020	Eureka office supplies	131.59
Total Pacific Paper Co.:			421.85
<b>Picky, Picky, Picky, Inc</b>			
Picky, Picky, Picky, Inc	07/31/2020	Safety Boots for Steve Marshall	244.11
Picky, Picky, Picky, Inc	07/31/2020	Safety Boots for Ryan Murphy	200.17
Total Picky, Picky, Picky, Inc:			444.28
<b>Pitney Bowes</b>			
Pitney Bowes	07/27/2020	postage meter supplies	87.60
Total Pitney Bowes:			87.60
<b>PitStop Cleaning`</b>			
PitStop Cleaning`	07/29/2020	Eureka office cleaning	160.00
Total PitStop Cleaning`:			160.00
<b>Platt Electric Supply</b>			
Platt Electric Supply	07/30/2020	Electrical shop tools	46.11
Platt Electric Supply	07/30/2020	Electrical building light maintenance	272.09
Platt Electric Supply	07/30/2020	Annual Ruth Hydro maintenance	442.19
Platt Electric Supply	07/30/2020	Electrical shop tools	111.20
Total Platt Electric Supply:			871.59
<b>PPG Architectural Coatings</b>			
PPG Architectural Coatings	07/30/2020	Ruth HQ dock repair	368.74
Total PPG Architectural Coatings:			368.74
<b>Recology Arcata</b>			
Recology Arcata	07/13/2020	Essex Garbage Service	616.03
Total Recology Arcata:			616.03
<b>Recology Humboldt County</b>			
Recology Humboldt County	07/13/2020	Eureka office garbage/recycling service	90.72
Total Recology Humboldt County:			90.72
<b>Redwood Appliance Center</b>			
Redwood Appliance Center	07/29/2020	replace refrigerator at TRF EOC	595.67

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 7/1/2020-7/31/2020Page: 7  
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Vendor Name	Date Paid	Description	Amount Paid
Total Redwood Appliance Center:			595.67
<b>Rental Guys, Inc</b>			
Rental Guys, Inc	07/31/2020	Industrial Water Reservoir gate	91.14
Total Rental Guys, Inc:			91.14
<b>Rogers Machinery Company, Inc</b>			
Rogers Machinery Company, Inc	07/31/2020	Line Shed 4 surge tank repair	217.33
Total Rogers Machinery Company, Inc:			217.33
<b>Russell Roberts</b>			
Russell Roberts	07/16/2020	expense reimbursement - TSA background check for Hazmat Cer	86.50
Total Russell Roberts:			86.50
<b>Ryan Chairez</b>			
Ryan Chairez	07/29/2020	expense reimbursement - food supplies for work crews	108.74
Ryan Chairez	07/29/2020	expense reimbursement supplies for work crew	105.55
Ryan Chairez	07/29/2020	expense reimbursement supplies for work crew	105.55
Total Ryan Chairez:			319.84
<b>Sequoia Construction Specialties</b>			
Sequoia Construction Specialties	07/31/2020	12KV Upgrade	79,277.50
Sequoia Construction Specialties	07/06/2020	12KV Upgrade -Progress Payment 3	61,750.00
Total Sequoia Construction Specialties:			141,027.50
<b>Sequoia Gas</b>			
Sequoia Gas	07/13/2020	Refill Ruth HQ Propane	106.80
Sequoia Gas	07/13/2020	Refill Ruth Bunkhouse propane	156.13
Total Sequoia Gas:			262.93
<b>Sitestar Nationwide Internet</b>			
Sitestar Nationwide Internet	07/13/2020	Essex Internet	52.90
Total Sitestar Nationwide Internet:			52.90
<b>Sudden Link</b>			
Sudden Link	07/13/2020	Fieldbrook-Glendale CSD Internet	309.69
Sudden Link	07/13/2020	Essex internet	161.94
Sudden Link	07/13/2020	Essex Phones	135.46
Sudden Link	07/13/2020	TRF Internet	23.65
Sudden Link	07/13/2020	TRF Internet - Blue Lake SCADA Monitoring	47.29
Sudden Link	07/13/2020	TRF Internet - Fieldbrook-Glendale CSD	47.29
Sudden Link	07/13/2020	Eureka office Internet	208.45
Total Sudden Link:			933.77
<b>SWRCB-DWOCP</b>			
SWRCB-DWOCP	07/13/2020	T4 Certification Renewal - Kenneth B Davis	105.00
SWRCB-DWOCP	07/13/2020	D4 Certification Renewal - Kenneth B Davis	105.00
SWRCB-DWOCP	07/13/2020	Late Fee - Reimbursed by Ken Davis	50.00



Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 7/1/2020-7/31/2020Page: 8  
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Vendor Name	Date Paid	Description	Amount Paid
SWRCB-DWOCP	07/13/2020	T4 Certification Renewal - Mario F Palmero	105.00
SWRCB-DWOCP	07/13/2020	Late Fee - Reimbursed by Mario Palmero	50.00
Total SWRCB-DWOCP:			415.00
<b>Technical Learning College</b>			
Technical Learning College	07/29/2020	Chlorination CEU Course	100.00
Technical Learning College	07/29/2020	Charge for Rush Shipment - will be reimbursed by employee	50.00
Total Technical Learning College:			150.00
<b>Telstar Instruments, Inc</b>			
Telstar Instruments, Inc	07/16/2020	Chlorine system maintenance	393.20
Total Telstar Instruments, Inc:			393.20
<b>Temple Associates</b>			
Temple Associates	07/29/2020	Replace Portable Sandblasting Unit	4,194.50
Total Temple Associates:			4,194.50
<b>Thatcher Company, Inc</b>			
Thatcher Company, Inc	07/29/2020	replenish chlorine	4,768.81
Thatcher Company, Inc	07/29/2020	replenish chlorine - container credit	2,000.00-
Total Thatcher Company, Inc:			2,768.81
<b>The Mill Yard</b>			
The Mill Yard	07/31/2020	TRF Line Shed 5 Upgrade	68.09
The Mill Yard	07/31/2020	TRF Line Shed 5 Upgrade	206.42
The Mill Yard	07/31/2020	Essex Maintenance Supplies	23.85
The Mill Yard	07/31/2020	TRF Line Shed 5 Upgrade	84.09
The Mill Yard	07/31/2020	Ruth dam slide gate hydraulic tank	127.51
Total The Mill Yard:			509.96
<b>The Times-Standard</b>			
The Times-Standard	07/13/2020	Essex Times-Standard subscription	274.04
Total The Times-Standard:			274.04
<b>Thrifty Supply</b>			
Thrifty Supply	07/31/2020	Maintenance shop supplies	117.18
Total Thrifty Supply:			117.18
<b>Trinity County General Services</b>			
Trinity County General Services	07/29/2020	Pickett Peak site lease	250.00
Total Trinity County General Services:			250.00
<b>Trinity County Solid Waste</b>			
Trinity County Solid Waste	07/20/2020	Ruth HQ dump fees	34.35
Trinity County Solid Waste	07/20/2020	Ruth Hydro dump fees	34.35
Total Trinity County Solid Waste:			68.70

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
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Vendor Name	Date Paid	Description	Amount Paid
U.S. Bank PARS Account #6746050100			
U.S. Bank PARS Account #6746050100	07/31/2020	Annual Section 115 Pension Trust Contribution	50,000.00
Total U.S. Bank PARS Account #6746050100:			50,000.00
<b>Underground Service Alert</b>			
Underground Service Alert	07/31/2020	Annual Membership	1,075.71
Underground Service Alert	07/31/2020	Annual Membership	377.95
Total Underground Service Alert:			1,453.66
<b>Valley Pacific Petroleum Servi, Inc</b>			
Valley Pacific Petroleum Servi, Inc	07/13/2020	cardlock fuel - Pumping & Control	346.86
Valley Pacific Petroleum Servi, Inc	07/13/2020	cardlock fuel - Water Quality	346.86
Valley Pacific Petroleum Servi, Inc	07/13/2020	cardlock fuel - Maintenance	346.86
Valley Pacific Petroleum Servi, Inc	07/13/2020	cardlock fuel - Humboldt Bay Retail	90.18
Valley Pacific Petroleum Servi, Inc	07/13/2020	cardlock fuel - Fieldbrook-Glendale CSD	256.68
Valley Pacific Petroleum Servi, Inc	07/31/2020	Fuel for 2 MW Generator	3,358.48
Valley Pacific Petroleum Servi, Inc	07/31/2020	Essex bulk diesel and gas	1,143.90
Total Valley Pacific Petroleum Servi, Inc:			5,889.82
<b>Verizon Wireless</b>			
Verizon Wireless	07/13/2020	General Manager	43.61
Verizon Wireless	07/13/2020	Customer Service - Humboldt Bay	14.41
Verizon Wireless	07/13/2020	Customer Service - Fieldbrook-Glendale CSD	41.01
Verizon Wireless	07/13/2020	Operations 1	.23
Verizon Wireless	07/13/2020	Customer Service Ipad-Humboldt Bay	9.88
Verizon Wireless	07/13/2020	Customer Service Ipad - Fieldbrook-Glendale CSD	28.13
Verizon Wireless	07/13/2020	Ruth Area	16.75
Verizon Wireless	07/13/2020	Ruth Hydro	16.75
Total Verizon Wireless:			170.77
<b>Wes Green Landscaping</b>			
Wes Green Landscaping	07/31/2020	green waste disposal	55.00
Total Wes Green Landscaping:			55.00
<b>Wienhoff &amp; Associates Inc</b>			
Wienhoff & Associates Inc	07/27/2020	DER Training OnLine Training 2 employees	150.00
Total Wienhoff & Associates Inc:			150.00
<b>Worthington Products, Inc</b>			
Worthington Products, Inc	07/13/2020	Ruth Lake Log Boom maintenance	4,126.83
Total Worthington Products, Inc:			4,126.83
Grand Totals:			473,438.05

Humboldt Bay Municipal Water District

--Monthly Overtime Report--  
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Position Title	2-01 Overtime Emp Hrs	2-01 Overtime Emp Amt	2-02 Doubletime Emp Hrs	2-02 Doubletime Emp Amt
Actg/HR Spec	1.00	\$75	.00	\$0
Total ADMIN:	1.00	\$75	.00	\$0
Maint Worker	10.25	\$323	.00	\$0
Elec & Ins Tech	20.50	\$1,191	1.00	\$77
PT Maintenance	3.50	\$76	.00	\$0
Elec & Ins Tech	.00	\$0	.50	\$35
PT GIS Helper	4.00	\$96	.00	\$0
PT Maintenance	3.50	\$0	.00	\$0
Oper & Mnt Tech	4.00	\$182	.00	\$0
Oper & Mnt Tech	4.00	\$216	.00	\$0
Total ESSEX:	49.75	\$2,084	1.50	\$113
Hydro Oper Ruth	5.50	\$269	.00	\$0
Total RUTH:	5.50	\$269	.00	\$0
Grand Totals:	56.25	\$2,428	1.50	\$113

H.B.M.W.D. JUL - 1 2020  
via email

## COUNTY OF HUMBOLDT

JOHN BARTHOLOMEW  
TREASURER-TAX COLLECTOR

825 FIFTH STREET ROOM 125  
EUREKA, CALIFORNIA 95501

PHONE: 707-476-2450

FAX: 707-445-7608

TOLL FREE: 877-448-6829

EMAIL: [taxinfo@co.humboldt.ca.us](mailto:taxinfo@co.humboldt.ca.us)

Subject: Interest Apportionment Rate and Other Considerations

July 1, 2020

Honorable Board Members,

Your fund balances in the County Treasury from October through December 2019 (Fiscal 19/20 2<sup>nd</sup> Quarter) earned an annualized interest rate of 1.70%. For comparison purposes, the LAIF (Local Agency Investment Fund) rate was 2.29%.

Sorry this report is later than normal, but this office can only apportion interest once the Auditor's office closes the books each quarter; hence the delay.

The 2<sup>nd</sup> quarter of the fiscal year seems to have been a long time ago considering all that has happened since then ... a mere 6 months back. During that quarter the Fed's reduced rates once by 25 basis points (bps) on October 31, 2019 because the economy was beginning to show signs of weakness. See the following link for a historical perspective:  
<https://www.federalreserve.gov/monetarypolicy/openmarket.htm>

The Fed's then reduced the Fed Funds rate another 50bps on March 3, and 100bps on March 16 as COVID-19 was finally recognized as a severe economic threat. The Federal Government followed up the interest rate reduction by monetizing 3 Trillion dollars of debt through the Federal Reserve to prop up the economy when 'Shelter-in-Place' orders became mandated in most states.

These are difficult times, but we'll get through them; and the county investment pool is solid.

As always, our goals are Safety, Liquidity and Yield. Let us know how we may be of service.

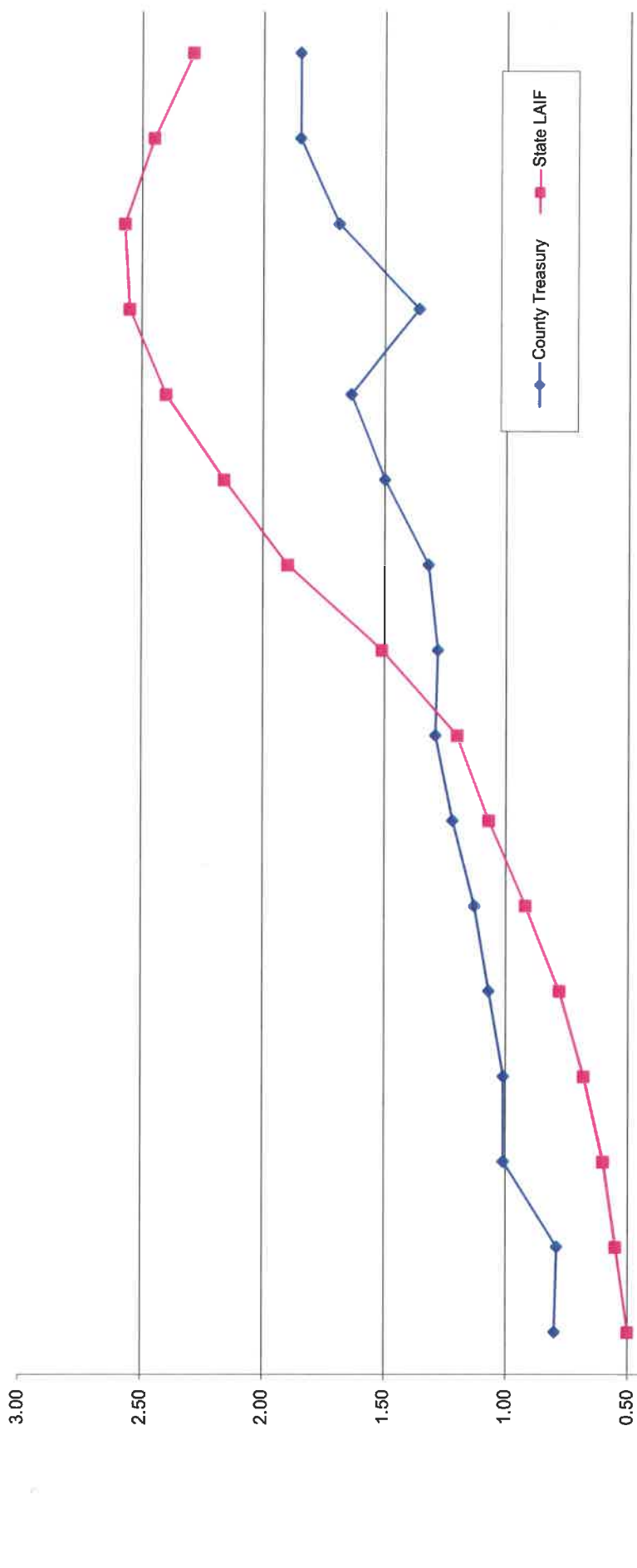
Sincerely,

John Bartholomew  
Treasurer-Tax Collector

Humboldt County Treasury Team:

Whitney Morgan – Treasury Assistant  
Amy Christensen – Treasury Assistant

Comparison of County Treasury and State LAIF Investment Earning Rates  
January 2016 - December 2019



Month	County Treasury	State LAIF
Jan - Mar 2016	0.80	0.5
Apr - Jun 2016	0.79	0.55
Jul - Sep 2016	1.01	0.6
Oct - Dec 2016	1.01	0.68
Jan - Mar 2017	1.07	0.78
Apr - Jun 2017	1.13	0.92
Jul - Sep 2017	1.22	1.07
Oct - Dec 2017	1.29	1.2
Jan - Mar 2018	1.28	1.51
Apr - Jun 2018	1.32	1.9
Jul - Sep 2018	1.5	2.16
Oct - Dec 2018	1.64	2.4
Jan - Mar 2019	1.36	2.55
Apr - Jun 2019	1.69	2.57
July - Sept 2019	1.85	2.45
Oct - Dec 2019	1.85	2.29



FUND BALANCES  
 Allocation Account Activity  
 January 1, 2020 - January 1, 2020  
 October - December 2019 Interest

Account	Fund	Security ID	Current Transaction Rate	Transaction Date	Receipt	Trans. Type	Contributions / Transfer In	Disbursements / Transfer Out / Fees	Allocated Earnings	Balance
2710	2710	SYS								531,713.99
	10% Taxes		1.698	01/01/2020					688.55	532,402.54
	Subtotal and Ending Balance		1.698			0.00	0.00		688.55	532,402.54
2711	2711	2711								3,887.92
	MSRA		1.698	01/01/2020					1,861.87	5,749.79
	Subtotal and Ending Balance		1.698			0.00	0.00		1,861.87	5,749.79
2712	2712	2712								515,531.66
	Remat		1.698	01/01/2020					2,158.18	517,689.84
	Subtotal and Ending Balance		1.698			0.00	0.00		2,158.18	517,689.84
3873	3873	3873								1,721,192.36
	Investment Account		1.698	01/01/2020					7,368.53	1,728,560.89
	Subtotal and Ending Balance		1.698			0.00	0.00		7,368.53	1,728,560.89
3874	3874	3874								240,210.76
	DWFP		1.698	01/01/2020					1,028.36	241,239.12
	Subtotal and Ending Balance		1.698			0.00	0.00		1,028.36	241,239.12
3876	3876	3876								5,439.74
	SRF Payment		1.698	01/01/2020					229.17	5,668.91
	Subtotal and Ending Balance		1.698			0.00	0.00		229.17	5,668.91



SECTION 10.2C PAGE NO. 1  
**HUMBOLDT BAY MUNICIPAL WATER DISTRICT**

828 SEVENTH STREET, PO BOX 95 • EUREKA, CALIFORNIA 95502-0095

OFFICE 707-443-5018 ESSEX 707-822-2918

FAX 707-443-5731 707-822-8245

EMAIL [OFFICE@HBMWD.COM](mailto:OFFICE@HBMWD.COM)

Website: [www.hbmwd.com](http://www.hbmwd.com)

**BOARD OF DIRECTORS**

SHERI WOO, PRESIDENT

NEAL LATT, VICE-PRESIDENT

J. BRUCE RUPP, SECRETARY-TREASURER

MICHELLE FULLER, DIRECTOR

DAVID LINDBERG, DIRECTOR

**GENERAL MANAGER**

JOHN FRIEDENBACH

August 6, 2020

Mark Andre, City of Arcata  
Mandy Mager, City of Blue Lake  
Brian Gerving and Lane Miller, City of Eureka  
Rick Hanger, Fieldbrook-Glendale CSD  
Tim Latham, Humboldt CSD  
Chris Drop, Manila CSD  
Pat Kaspari, McKinleyville CSD

Dear Municipal Customers:

Last month, Humboldt Bay Municipal Water Districts' Board of Directors approved the District's FY2020/21 budget. Attached for your information are the following items related to the approved budget.

**Attachment 1:** The estimated wholesale water charges for each customer. These are gross charges based on the approved FY2020/21 budget.

**Attachment 2:** The Price Factor 2 (PF2) reconciliation from FY2019/20, in accordance with Section 7.2.4 of Ordinance 16. The PF2 reconciliation amount is \$26,231.09. Based on the many factors involved in the PF2 calculations, this reconciliation results in a credit for all agencies. This total credit will be applied to your FY2020/21 monthly billings.

**Attachment 3:** The estimated *net* wholesale water charges after this PF2 credit has been applied.

Please review the attached documents and if you have any questions, please call me.

Sincerely,

A handwritten signature in blue ink, appearing to read "John Friedenbach".

John Friedenbach  
General Manager

**Humboldt Bay Municipal Water District**  
**2020/21 Budget**  
**Summary of Wholesale Customer Charges Based on Adopted Budget**  
 (Gross Charges which do not Reflect Prior-Year Price Factor 2 Reconciliation)

	2019/20 Budget	2020/21 Budget	Comparison	
			\$	%
Pulp Mill/Harbor Dist	\$0	\$0	\$0	
<b>Total Industrial:</b>	\$0	\$0	\$0	
Eureka	\$3,221,150	\$3,315,615	\$94,465	2.9%
Arcata	\$1,367,733	\$1,416,114	\$48,381	3.5%
Blue Lake	\$190,861	\$194,456	\$3,595	1.9%
Humboldt CSD	\$1,073,160	\$1,080,300	\$7,140	0.7%
McKinleyville CSD	\$1,087,747	\$1,138,155	\$50,409	4.6%
Fieldbrook CSD	\$173,746	\$178,438	\$4,691	2.7%
Mamila CSD	\$73,659	\$76,349	\$2,690	3.7%
<b>Total Munis:</b>	\$7,188,057	\$7,399,427	\$211,370	2.9%
<b>Total Wholesale</b>	\$7,188,057	\$7,399,427	\$211,370	2.9%

Humboldt Bay Municipal Water District  
PF2 Reconciliation  
2019-20 Price Factor 2 Actual vs Flat Reconciliation

Actual	Arcata	Blue Lake	Eureka	Fieldbrook	Humboldt	McKinleyville	Manila	Total	Month to date
Jul-19	110,741.64	14,757.08	256,675.83	15,359.64	102,689.56	94,849.27	5,591.28	600,664.30	600,664.30
Aug-19	70,152.87	9,344.71	161,860.63	9,509.68	63,179.94	59,601.58	3,565.24	377,214.65	977,878.95
Sep-19	76,139.02	10,144.28	176,115.68	10,453.40	69,694.59	64,977.70	3,855.50	411,380.17	1,389,259.12
Oct-19	78,955.90	10,519.90	182,696.85	10,859.67	72,438.95	67,424.53	3,996.08	426,891.88	1,816,151.00
Nov-19	73,678.78	9,815.53	170,230.63	10,057.67	66,950.28	62,750.91	3,737.04	397,220.84	2,213,371.84
Dec-19	70,104.24	9,337.38	161,575.76	9,451.60	62,698.75	59,447.24	3,568.21	376,183.18	2,589,555.02
Jan-20	73,776.61	9,827.15	170,167.77	9,984.88	66,307.31	62,645.11	3,751.01	396,459.84	2,986,014.86
Feb-20	23,646.09	10,034.23	127,369.26	4,493.81	(6,557.69)	(6,446.50)	2,982.10	155,521.30	3,141,536.16
Mar-20	65,612.82	8,738.21	151,031.89	8,788.78	58,195.16	55,512.85	3,345.65	351,225.36	3,492,761.52
Apr-20	82,422.88	10,978.53	190,047.91	11,136.36	73,919.38	69,945.77	4,192.68	442,643.51	3,935,405.03
May-20	(28,727.31)	1,677.13	(9,604.96)	(3,344.83)	(52,267.49)	(46,709.90)	16.33	(138,961.03)	3,796,444.00
Jun-20	89,479.40	11,917.58	206,142.66	12,037.31	79,802.13	75,818.90	4,557.17	479,755.15	4,276,199.15
FY Advanced Charges BWF	56,432.04	7,524.27	131,674.76	8,088.59	54,550.97	48,907.77	2,821.60	310,000.00	4,586,199.15
FY Advanced Charges DWTF	95,357.14	12,857.14	206,250.00	8,571.43	49,821.43	71,785.71	5,357.14	450,000.00	5,036,199.15
Adv Chrg Additions 6-30 BWF	18,833.19	2,511.09	43,944.11	2,699.42	18,205.42	16,322.10	941.66	103,457.00	5,139,656.15
Adv Chrg Additions 6-30 DWTF	88,193.28	11,891.23	190,755.13	7,927.49	46,078.51	66,392.69	4,954.68	416,193.00	5,555,849.15
Debt Service	29,526.70	3,936.89	68,895.63	4,232.16	28,542.48	25,589.81	1,476.33	162,200.00	5,718,049.15
Total	1,074,325.29	155,812.34	2,585,829.54	140,307.06	854,249.67	848,815.54	58,709.71	5,718,049.15	

Flat	Arcata	Blue Lake	Eureka	Fieldbrook	Humboldt	McKinleyville	Manila	Total	Month to date
Jul-19	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	478,690.02
Aug-19	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	957,380.04
Sep-19	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	1,436,070.06
Oct-19	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	1,914,760.08
Nov-19	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	2,393,450.10
Dec-19	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	2,872,140.12
Jan-20	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	3,350,830.14
Feb-20	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	3,829,520.16
Mar-20	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	4,308,210.18
Apr-20	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	4,786,900.20
May-20	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	5,265,590.22
Jun-20	88,933.42	12,733.27	213,896.60	12,009.62	74,685.86	71,658.86	4,772.39	478,690.02	5,744,280.24
Total	1,067,201.04	152,799.24	2,566,759.20	144,115.44	896,230.32	859,906.32	57,268.68	5,744,280.24	
Fiscal Year to Date - Month Total	1,067,201.04	152,799.24	2,566,759.20	144,115.44	896,230.32	859,906.32	57,268.68	5,744,280.24	
Total Flat less Actual YTD	5,558.49	749.46	12,022.58	499.64	2,904.16	4,184.48	312.27	26,231.09	

**Humboldt Bay Municipal Water District  
2020/21 Budget  
Summary of Customer Charges Incorporating Prior-year Price Factor 2 Reconciliation**

	Estimated Charges Based on Approved 2020/21 Budget	PF 2 Reconciliation for FY 2019/20	Estimated Net Charges
Industrial Water	\$0	n/a	\$0
Total Industrial:	\$0		\$0
Eureka	\$3,315,615	(\$12,023)	\$3,303,592
Arcata	\$1,416,114	(\$5,558)	\$1,410,556
Blue Lake	\$194,456	(\$749)	\$193,707
Humboldt CSD	\$1,080,300	(\$2,904)	\$1,077,396
McKinleyville CSD	\$1,138,155	(\$4,184)	\$1,133,971
Fieldbrook CSD	\$178,438	(\$500)	\$177,938
Manila CSD	\$76,349	(\$312)	\$76,037
Total Munis:	\$7,399,427	(\$26,231)	\$7,373,196
Total Wholesale	\$7,399,427		\$7,373,196



**Humboldt Bay Municipal Water District**

To: Board of Directors

From: Chris Harris

Date: August 13, 2020

Re: Water Rate Comparisons

**Description**

Based on a request from the Board, staff has compiled water rates from local agencies. As can be seen, agencies use different methods to calculate their water rates, depending on each individual agencies retail rate studies. Some agencies have switched to one-single standardized consumption rate, while a few are still using tiered consumption rates.

<b>Local Agencies Water Consumption Rates FY20</b>				
	<b>Tier One</b>	<b>Tier Two</b>	<b>Tier Three</b>	<b>Tier Four</b>
<b>HB Retail</b>	\$0.00	\$1.99 (> 5ccf)	\$2.12 (>1,500ccf)	\$2.29 (>5,000ccf)
<b>Fieldbrook</b>	\$0.00	\$2.70 (> 6ccf)		
<b>Manila</b>	\$0.97			
<b>Blue Lake (inside city limits)</b>	\$1.70	\$1.80 (> 2ccf)	\$1.91 (> 4ccf)	\$1.86 (> 1200ccf)
<b>Blue Lake (outside city limits)</b>	\$2.55	\$2.71 (> 2ccf)	\$2.86 (> 4ccf)	\$2.78 (> 1200ccf)
<b>Eureka (inside city limits)</b>	\$2.59			
<b>McKinleyville*</b>	\$3.47	\$6.14 (> 8ccf)		
<b>Eureka (outside city limits)</b>	\$3.88			
<b>HCS D</b>	\$3.92			
<b>Arcata</b>	\$6.74			

\*Includes estimated pass-through of \$1.69

<b>Local Agencies Water Base Rates FY20</b>	
	<b>5/8" Meter</b>
<b>Arcata</b>	\$11.52
<b>McKinleyville</b>	\$18.68
<b>Blue Lake (inside city limits)</b>	\$25.01
<b>HB Retail</b>	\$25.43
<b>HCS D</b>	\$25.56
<b>Eureka (inside city limits)</b>	\$30.28
<b>Manila</b>	\$34.65
<b>Blue Lake (outside city limits)</b>	\$37.51
<b>Eureka (outside city limits)</b>	\$45.42
<b>Fieldbrook</b>	\$49.44

# **OPERATIONS**

Memo to: HBMWD Board of Directors  
From: Dale Davidsen, Superintendent  
Date: August 4, 2020  
Subject: Essex/Ruth July 2020 Operational Report

### **Upper Mad River, Ruth Lake, and Hydro Plant**

1. The flow at Mad River above Ruth Reservoir (Zenia Bridge) averaged 1.4 cfs. The flow dropped to 0 cfs starting on July 28<sup>th</sup> and the high flow of 4.1 cfs was on July 2<sup>nd</sup> and 3<sup>rd</sup>.
2. The conditions at Ruth Lake for July were as follows:  
The lake level on July 31<sup>st</sup> was 2649.13 feet which is:
  - 2.24 feet lower than June 30<sup>th</sup>, 2020
  - 1.59 feet higher than July 31<sup>st</sup>, 2019
  - 1.32 feet higher than the ten-year average
  - 4.87 feet below the spillway
3. There were 0 inches of recorded rainfall for July at Ruth Headquarters.
4. Ruth Hydro produced 83,763 KWh in July.
5. The discharge from the lake averaged 36 cfs with a high of 61 cfs on July 7<sup>th</sup> & 8<sup>th</sup>.

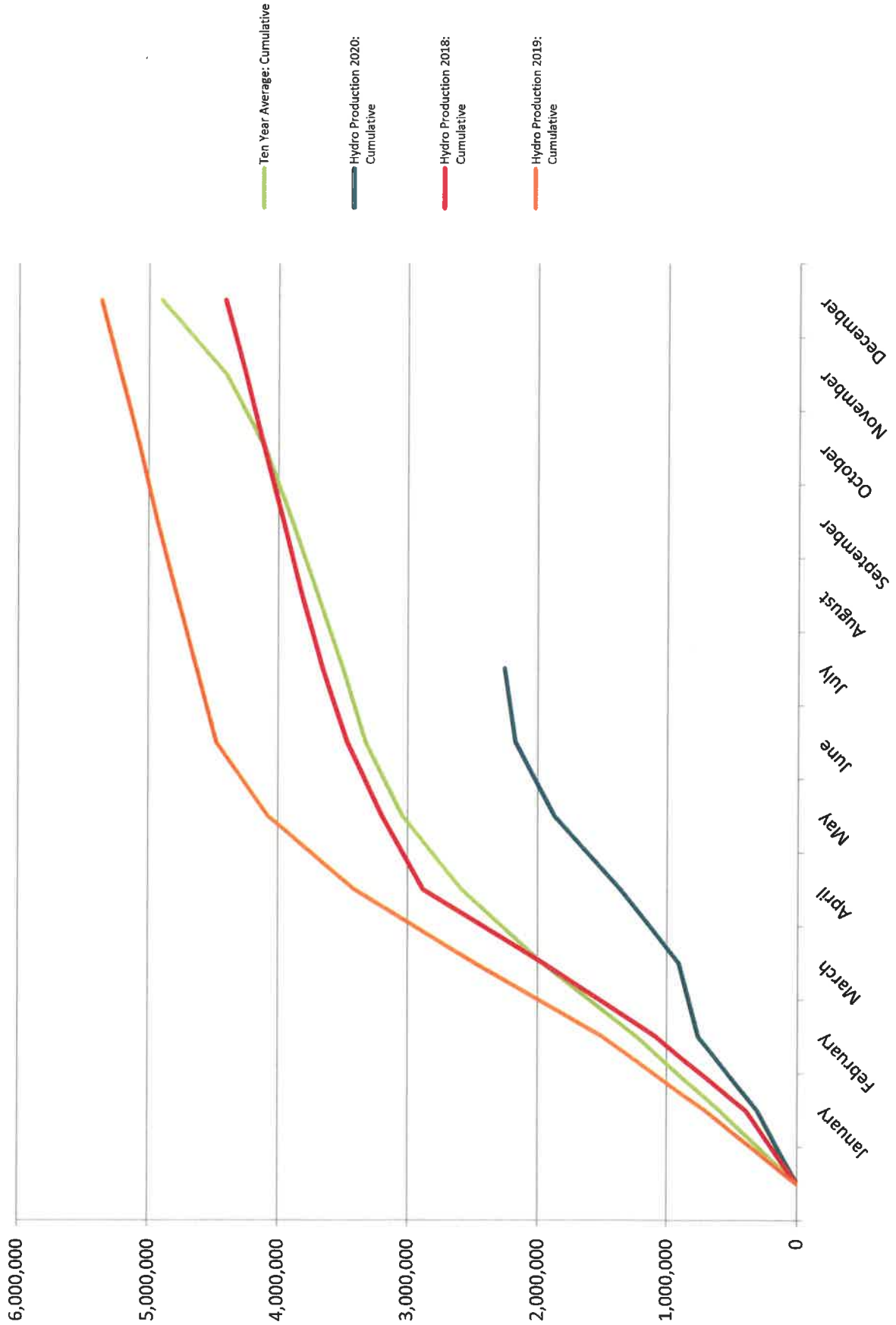
### **Lower Mad River, Winzler Control, and TRF**

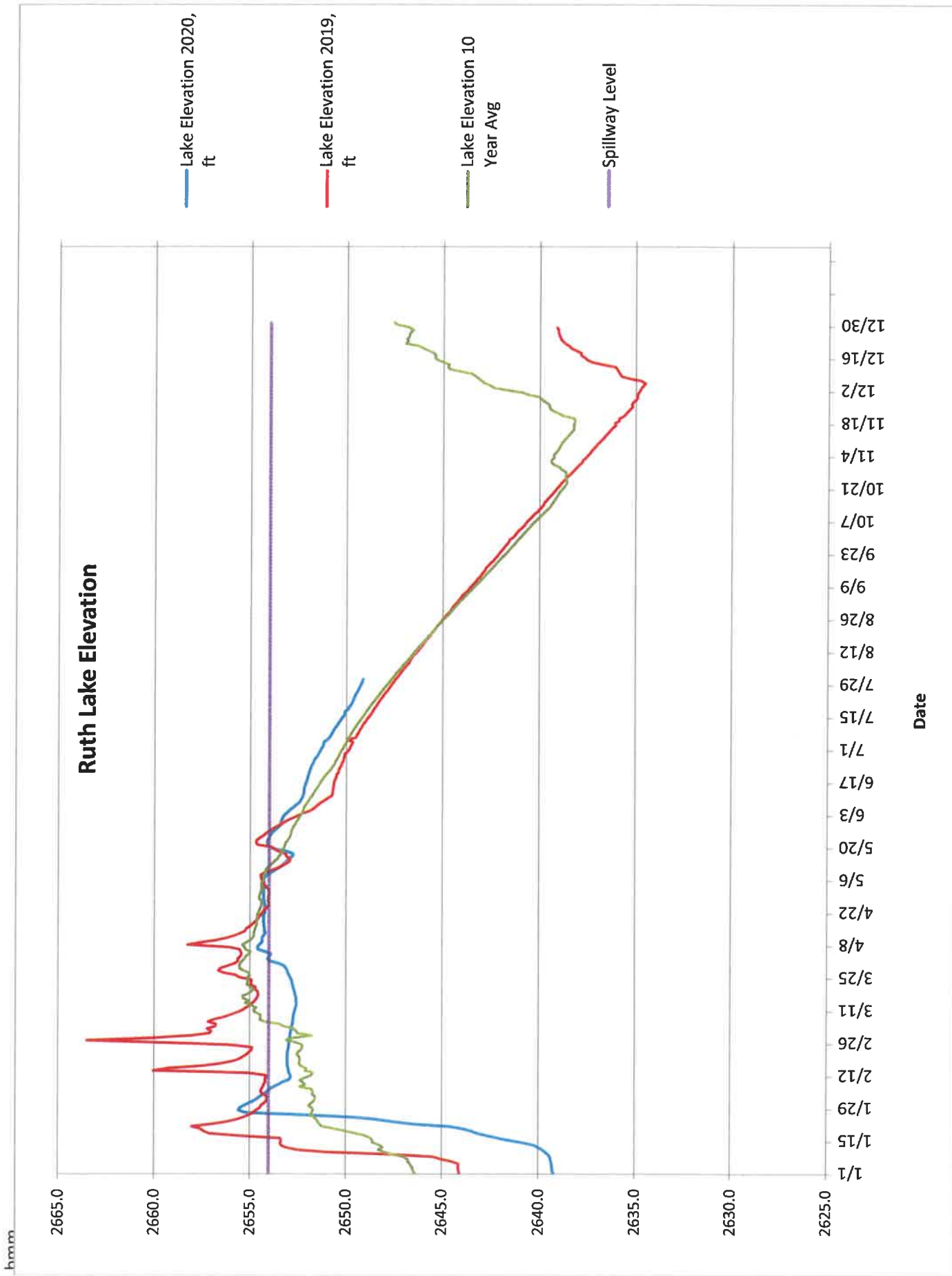
6. The river at Winzler Control Center for July had an average flow of 97 cfs. The river flow reached a high flow of 167 cfs on July 1<sup>st</sup> & 2<sup>nd</sup>.
7. The domestic water conditions were as follows:
  - The monthly turbidity average was 0.14 NTU, which meets Public Health Secondary Standards.
  - For July, we pumped 286.912 million gallons at an average of 9.315 MGD.
  - The maximum metered daily municipal use was 9.910 MGD on July 15<sup>th</sup>.
8. The Turbidity Reduction Facility is shut down for the summer since May 27<sup>th</sup>.
9. July 6<sup>th</sup> – 9<sup>th</sup> – Electrical staff went to Ruth to do annual electrical maintenance on Hydro plant
10. July 7<sup>th</sup> & 8<sup>th</sup> – 3 Essex staff members attended a SCADA Webinar. 4 hrs. each day

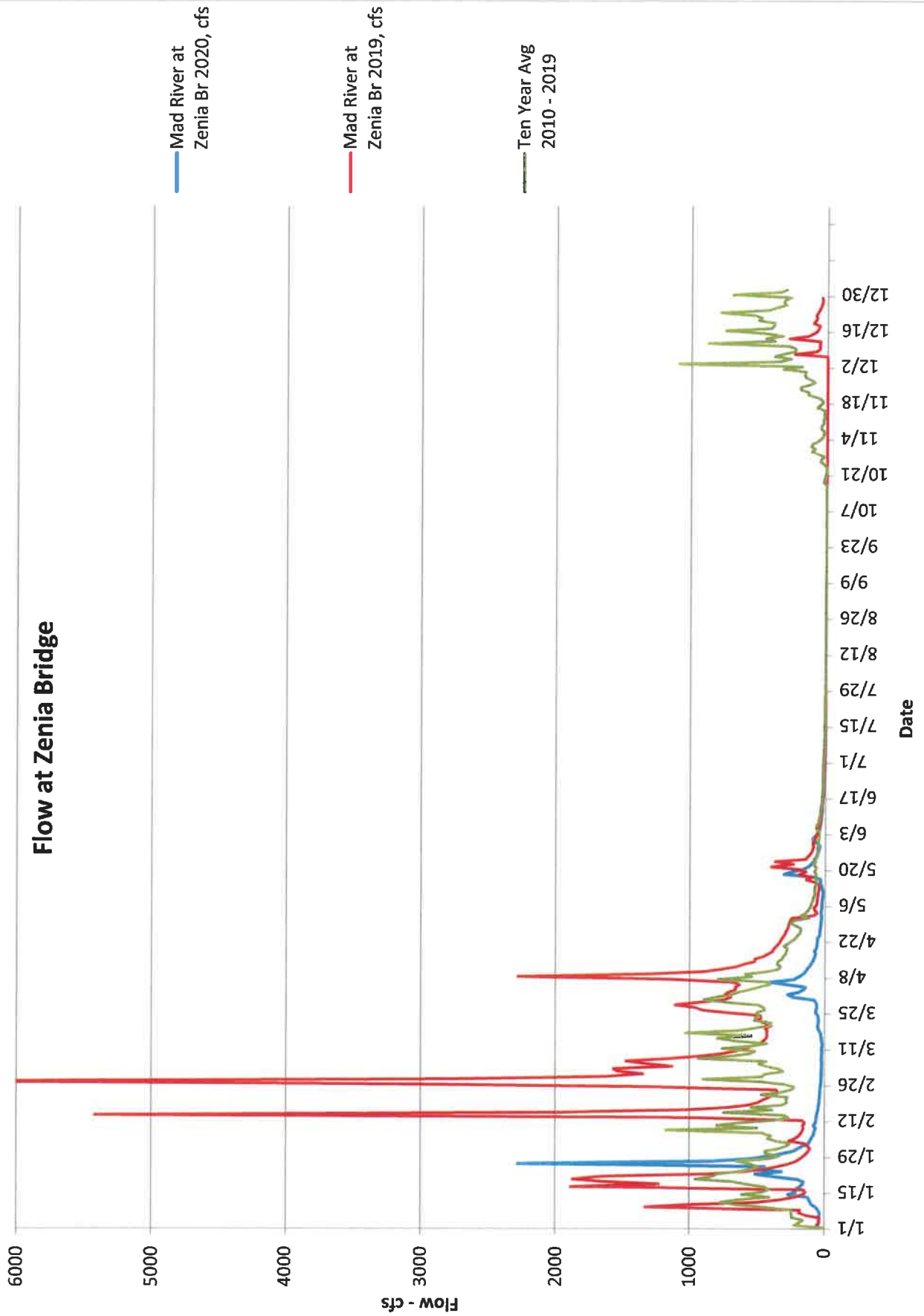
11. July 8<sup>th</sup> – Safety meetings
  - Work Place Ergonomics
  - Ladder and Cable car safety
12. July 10<sup>th</sup> – Ryan did Spillway inspection
13. July 14<sup>th</sup> – I went to Ruth to look at some things with Larry and went over his budget FY20/21 projects.
14. July 15<sup>th</sup> – Safety meetings
  - Traffic Control
  - Asbestos and Silica safety
15. July 16<sup>th</sup> & 17<sup>th</sup> - Tesla was here doing a pre-project site inspection.
16. July 20<sup>th</sup> – 24<sup>th</sup> – Maintenance and Electrical staff went to Ruth. Maintenance staff worked on slide gate hydraulic tank maintenance and repairs and dock maintenance. Electrical staff worked on installation of new protective relays at the Hydro plant.
17. July 24<sup>th</sup> – 3 Essex staff members attended First Aid / CPR training at NCSC.
18. July 29<sup>th</sup> & 30<sup>th</sup> – Tesla contract surveyors on site.
19. Current and Ongoing Projects
  - COVID 19 – Still dealing with modified staffing arrangements as best we can.
  - 12kV project. – Electrical contractor has been on-site setting vaults and installing conduit runs. Working on connectivity of 2 MW generator to new switchgear.
  - Vegetation Management along R-o-W's
  - TRF line shed construction.
  - TRF annual maintenance
  - Routine annual equipment maintenance and services.



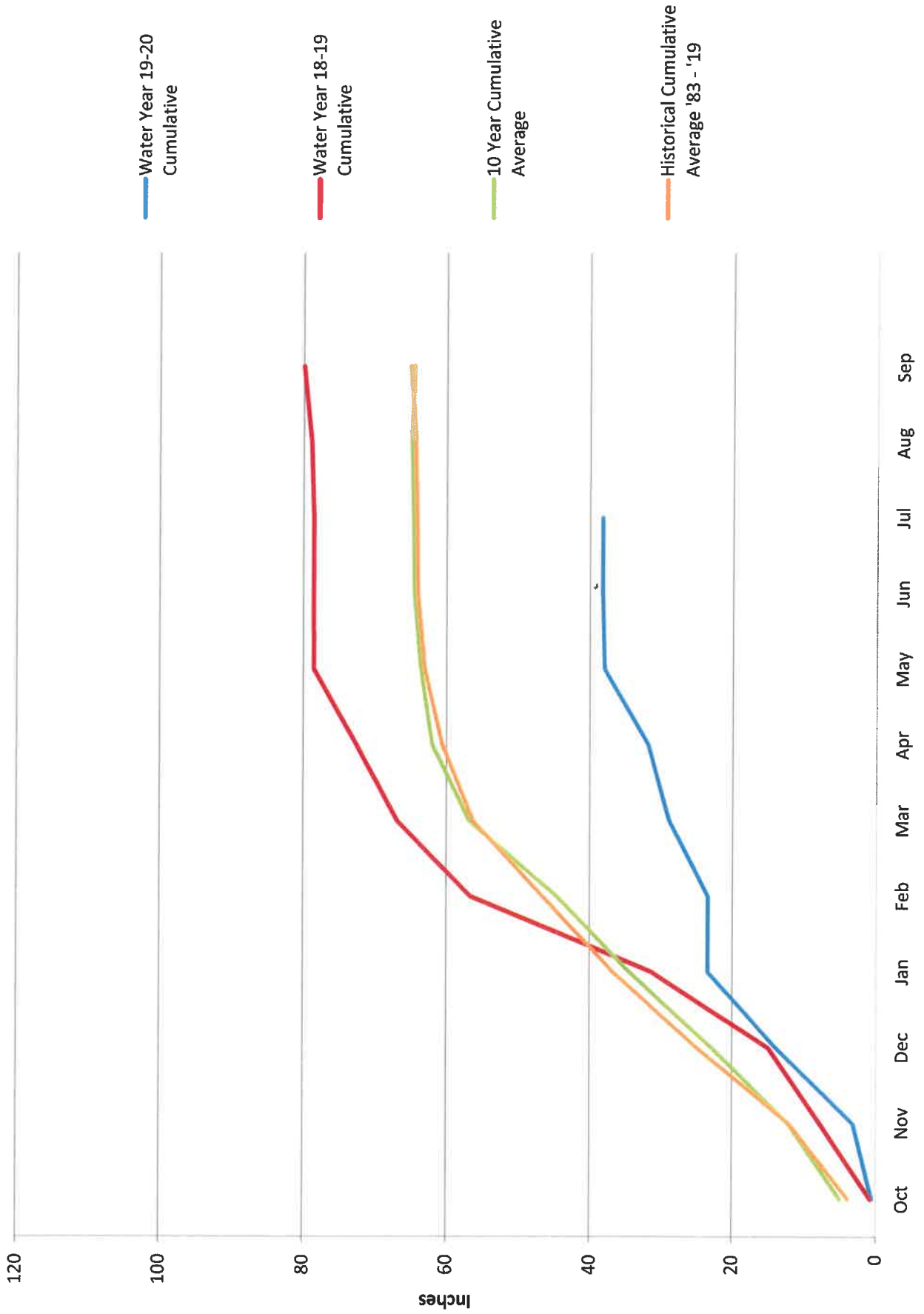
# Ruth Hydro Production: kW per Month



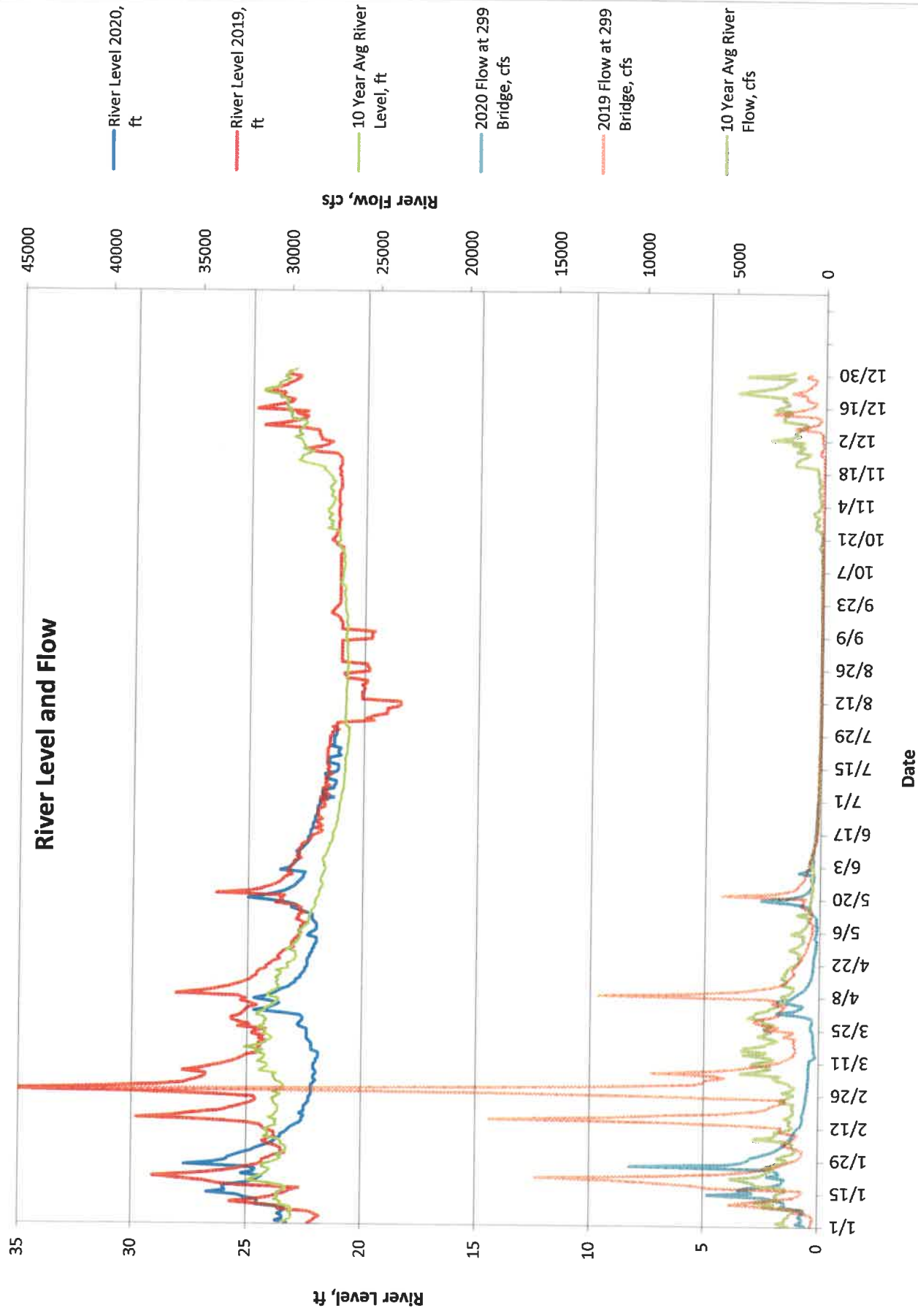




**Ruth Rainfall - Water Year 2019-2020**



### River Level and Flow





From: noreply@selfgenca.com <noreply@selfgenca.com>

Sent: Tuesday, August 04, 2020 1:42 PM

To: friedenbach@hbmwd.com

Cc: commercial.incentives@tesla.com

Subject: SGIP RRF Review Receipt, Humboldt Bay Municipal Water District [PGE-SGIP-2020-5008]



**This is an automated system message from the SGIP Online Database.**

08/04/20

Dear John Friedenbach,

We are pleased to inform you that we have received your SGIP Reservation Request Form (RRF) application package for the following project:

**Project ID:** PGE-SGIP-2020-5008

**Host Customer:** Humboldt Bay Municipal Water District

|| **Site Address:** 7270 West End Rd. ||  
Arcata, CA 95521

**Equipment Type:** Electrochemical Storage

**Energy Storage Capacity:** 3944 kWh

**Rated Capacity:** 980.000 kW

**Incentive Step:** Equity Resiliency Step 5

**Requested Incentive:** \$2,966,000.00

#### **Next Steps:**

Pacific Gas and Electric will perform a detailed review of the RRF package within the next 30 business days to ensure all required documentation was submitted. Pacific Gas and Electric will contact you regarding any missing, incomplete, or invalid information, at which point you will have **15 business days** from the date of the request email to resolve any issues.

Once the RRF is approved, you will receive a Reservation Notice Letter (Conditional or Confirmed). **Important:** Incentive funds for this project are only reserved once you have received the Conditional or Confirmed Reservation notice letter.

#### **Questions?**

Complete program information, including required application documents, submittal deadlines, and application fee requirements are available in the 2017 SGIP Handbook (see page 40 for Advanced Energy Storage and page 66 for Generation).

Please feel free to contact us at [selfgen@pge.com](mailto:selfgen@pge.com) should you have any questions. We appreciate the opportunity to serve you!

Sincerely,

Pacific Gas and Electric

**John Friedenbach**

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**From:** noreply@selfgenca.com  
**Sent:** Thursday, August 06, 2020 1:59 PM  
**To:** friedenbach@hbmwd.com  
**Cc:** commercial.incentives@tesla.com  
**Subject:** SGIP RRF Review Receipt, Humboldt Bay Municipal Water District [PGE-SGIP-2020-5589]



This is an automated system message from the SGIP Online Database.

08/06/20

Dear John Friedenbach,

We are pleased to inform you that we have received your SGIP Reservation Request Form (RRF) application package for the following project:

**Project ID:** PGE-SGIP-2020-5589

**Host Customer:** Humboldt Bay Municipal Water District

**Site Address:** 444 Pipeline Rd  
Arcata, CA 95521

**Equipment Type:** Electrochemical Storage

**Energy Storage Capacity:** 1392 kWh

**Rated Capacity:** 280.000 kW

**Incentive Step:** Equity Resiliency Step 5

**Requested Incentive:** \$1,256,000.00

#### Next Steps:

Pacific Gas and Electric will perform a detailed review of the RRF package within the next 30 business days to ensure all required documentation was submitted. Pacific Gas and Electric will contact you regarding any missing, incomplete, or invalid information, at which point you will have **15 business days** from the date of the request email to resolve any issues.

Once the RRF is approved, you will receive a Reservation Notice Letter (Conditional or Confirmed). **Important:** Incentive funds for this project are only reserved once you have received the Conditional or Confirmed Reservation notice letter.

**Questions?**

Complete program information, including required application documents, submittal deadlines, and application fee requirements are available in the [2017 SGIP Handbook](#) (see page 40 for Advanced Energy Storage and page 66 for Generation).

Please feel free to contact us at [selfgen@pge.com](mailto:selfgen@pge.com) should you have any questions. We appreciate the opportunity to serve you!

Sincerely,

Pacific Gas and Electric

Memo to: Board of Directors  
From: Dale Davidsen, Superintendent  
Date: July 29, 2020  
Subject: Water Infrastructure and System Efficiencies (WISE) Project.

### **Background**

The District has always strived to operate as efficiently as possible. For nearly my entire career with the District, we have done in house wire to water efficiency testing on our pumps and motors. We have also been involved in a PG&E pump efficiency testing program through their sub-contractor Pump Efficiency Testing Services. This PG&E sponsored program ended in 2019. In early 2019, I was contacted by RCEA regarding a new PG&E sponsored program that would evaluate our system and provide recommendations that would better our pumping efficiency. This program is also through a sub-contractor to PG&E, Lincus Incorporated. In March of 2019, we provided the requested data to Lincus and they did a site assessment of our facilities. After which, Lincus provided several potential EEM's (Energy Efficiency Measures). Of those EEM's, it was decided that pump sequencing would provide the most power savings.

### **The WISE Project**

The proposed project for pump sequencing started on paper as a relatively complex project adding power meters and flow meters at each pump, building SCADA screens and doing all the programming required to capture all the data. In return, we would have a live efficiency for each pump and motor. After staff reviewed the proposed project from Lincus, it was presented to and approved by the Board at the September 2019 Board meeting. After the Boards approval we started discussing the project in detail with Lincus Inc.

After detailed review and discussions, it was determined that we already had PG&E approved power monitoring for each pump through the motor drives; we would just need to upgrade the SCADA programming to gather this data from the drives. We also had flow meter data from Collector 2 and combined flow data from Collectors 1, 3, and 4. For this project, we installed new meters at Collectors 3 and 4, so we could subtract those flows from the combined flow meter to get the Collector 1 flow. District staff did all meter installations, built SCADA graphic screens, and did all SCADA programming. This was substantial savings for the District project cost-wise, but this also cost us some in the rebate value since the rebate could not exceed a certain percentage of the project's overall cost.

### **Project Results**

In the course of the project we went through previous efficiency test data, in doing this we found that there were a few errors in our data collection from incorrect flow meter calibrations. When this was corrected, we found that our pump and motors were more efficient than we had previously thought. Therefore our projected savings is expected to be less than originally thought.

We are now operating on the pump sequencing program derived from data collected on one-minute intervals and then averaged over the pump runtime to get a percent efficiency rating for each run for all of our pumps. SCADA will display the efficiency value for the operators so they can see when a pump is no longer the most efficient pump for the pump sequence position it is programmed to operate in. This means, if only one pump is needed to meet customer demand, then the most efficient pump runs all the time. If two pumps are needed to meet demand, then we run the most efficient pump and next most efficient pump on a different collector, if a third pump is needed to meet demand we continue this

process up to having four pumps running, one on each collector. The only thing that will change our programmed pump sequencing is a collector or pump down for maintenance or degrading water quality. If a station has run for a long duration of time and needs a rest due to degrading water quality this will cause a ripple effect in our sequence and change the order in which pumps are programmed to operate to allow a collector to settle and recover.

### **Summary**

Overall, this was a good project. It took a lot of coordination and communication between District staff and Lincus but went well although challenging at times. The project was on a short timeline due to the requirement of completing all the project work by May 2020, which included installation and calibration of all equipment, programming SCADA controls, sequence testing, data collection programming, finalizing and submittal of all documentation to PG&E for the project rebate.

We now have a good and accurate live efficiency number for each pump; we corrected a few previously unknown errors and staff now has a better understanding of our system, data collection for pump/motor, efficiency and SCADA programming for this project. Based on the pump sequencing and efficiency information we now have at our disposal, the District will continue to see some savings on power use into the future.

### **The Numbers**

#### Projected Project Costs and Rebate

\$109,373.16 - Original Projected total approved by the Board Sept 2019

-\$32,611.61 - Projected potential PG&E incentive

\$76,761.55 - Projected Net cost

#### Actual Project Costs and Rebate

\$18,143.05 – Materials (Based on Spendwise project data)

+\$65,246.53 – Total District Labor (May not be exact but very close. (Best data I have.))

\$83,389.58 – Total

-\$12,808.80 – PG&E incentive rebate

**\$70,580.78 – Net cost**



**MANAGEMENT**

**Humboldt Bay Municipal Water District**

To: Board of Directors

From: Chris Harris

Date: August 13, 2020

Re: Employee Handbook Minor Clarifications/Revisions

**Description**

Although the District Employee Handbook went through a thorough revision January 2018, it has recently been brought to staff's attention that several areas would benefit from additional clarification. These sections include section **4012.1 – Certification** and section **4012.2 – Uniforms and Safety Gear**. Staff has attached these sections of the Employee Handbook as they are currently written for reference.

**Section 4012.1 – Certification**

Staff recommends the current verbiage of section 4012.1, be changed from: "All costs incurred by full-time District employees applying for the required state Operator Certification will be reimbursed by the District" to *"All reasonable, standard costs (excluding late fees, rush fees, and any other additional fees) incurred by full-time District employees applying for the required State Operator Certification will be reimbursed by the District."*

**Section 4012.2 – Uniforms & Safety Gear**

Two suggested clarifications in this section: staff recommends the current verbiage of section 4012.2, be changed from: "The District will pay the cost of safety shoes once per year..." to *"The District will pay the cost of Safety Shoes once per 12-month period..."*, and "The District will pay the cost of safety shoes when needed by the employee, but no more than once per year" to *"The District will pay the cost of safety shoes when needed by the employee, but no more than once per 12-month period."*

**Staff Recommendation**

Staff recommends approval of these clarifications.

**Attached**

Page 54, Sections 4012.1 and 4012.2 of the Employee Handbook, as currently written

interest from taxes until it is actually withdrawn by the employee – presumably at retirement when their tax bracket is lower. Participation in the deferred compensation plan is entirely voluntary, and the District does not endorse nor guarantee the particular investments made by the employee.

The District will contribute \$50.00 per month for each employee who does not participate in the deferred compensation program.

The District will provide a contribution match of up to \$100.00 per month for employees who do participate in the deferred compensation plan.

#### **4010 Unemployment Insurance**

All employees of the District are covered by the State Unemployment Insurance Program. The District pays all costs of this coverage, which is available in the event of unemployment, by applying to the State Employment Development Department.


#### **4011 COBRA**

At your expense, you and your dependents may be eligible for continuation of health, dental and vision insurance coverage in the event you lose District coverage due to termination of employment, reduction in work hours or certain other qualifying events.

#### **4012 Expense Reimbursement**

**4012.1 Certification** - All costs incurred by full-time District employees in applying for the required State Operator Certification will be reimbursed by the District. The District will also pay for training classes taken to maintain or upgrade an operator certificate, or comply with the continuing education requirements. Where deemed necessary and appropriate, the operator training and certification for temporary employees may be paid for by the District. This determination must be made in advance by the Superintendent and approved by the General Manager.

**4012.2 Uniforms and Safety Gear** - The District will make available raingear and all safety gear needed by employees in the course of work (e.g. safety glasses, ear protection, hardhats). The District will pay the difference in cost between normal prescription lenses and safety prescription lenses. The District will also furnish coveralls to each full-time employee either via purchase or a uniform service. Additionally, as part of the safety program, the District will pay the cost of safety shoes once per year (which include insulated steel toed rubber boots for maintenance and operations/maintenance tech employees) appropriate to the position (up to a maximum amount established by the Superintendent). If the position is in the shop/field, safety toe shoes are required. The District will pay the cost of safety shoes when needed by the employee, but no more than once per year. The District will also reimburse temporary employees a portion of the costs of safety shoes up to \$50 per year. Upon approval of

	<p style="text-align: center;"><b>HUMBOLDT BAY MUNICIPAL WATER DISTRICT</b></p> <p style="text-align: center;"><b>Request for Qualifications</b></p> <p style="text-align: center;"><b>Reservoirs Seismic Retrofit Project (3 Tanks) Samoa Peninsula and Korblex, California</b></p> <p style="text-align: center;">Engineering, Design, Environmental Review and Compliance, Permitting, Construction Management and Grant Program Management</p>
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### **A. Invitation**

You are invited to submit a Statement of Qualifications (SOQ) and other materials, in accordance with the outline below, to be considered for selection by the Humboldt Bay Municipal Water District (District) to:

- 1) complete a variety of engineering, environmental, and construction management services for the District's Reservoirs Seismic Retrofit Project, and
- 2) assist the District with the administration and management of the FEMA Hazard Mitigation grant which will fund this project.

***The deadline to submit a SOQ is 3:00 p.m. on Friday August 28, 2020***

### **B. Categories of Services**

The District is seeking a consultant firm or team to provide services necessary to proceed with the seismic retrofit of the District's three reservoir tanks located at the Samoa Peninsula (1) and Korblex Facility (2) near Arcata, California. It is anticipated that a single consultant firm or team will be selected encompassing all the required engineering and environmental disciplines. The disciplines that are required include:

1. Project planning and preliminary engineering
2. Engineering economic analysis
3. Surveying and topographic mapping and engineering
4. Geotechnical evaluation and engineering
5. Environmental – completion of special studies, preparation and circulation of appropriate CEQA document, and support of FEMA's NEPA process
6. Permitting – preparation of all required permit applications and related work to secure required permits
7. Preparation of Plans and Specifications, and cost estimates for project construction
8. Engineering and construction management services during bid process and project construction

### **C. Project Overview**

The proposed Project would consist of the design, permitting, bidding and construction oversight for the seismic retrofit of the District's three reservoirs. On Korblex Hill, there are two domestic water (DW) reservoirs, a 1 Million Gallon (MG) capacity, welded steel tank constructed in 1967, and a 2MG welded steel tank constructed in 1996, which is used for disinfection contact time in the treatment process along with storage. The District also has another 1MG welded steel tank also constructed in 1967 located on the Samoa Peninsula and used for storage at that end of the Industrial water (IW) system.

For the 1MG domestic reservoir a follow-up structural inspection was conducted on January 14, 2016. This inspection focused on corrosion, and steel thickness measurements were taken at visibly severe corrosion locations around the roof of the tank. The February 2, 2016 inspection letter reported metal loss on the rafters of up to 50% and stated;

“As discussed in the September report, the current corrosion indicates the tank has reached a critical point in its service life and needs to be addressed soon. Continued corrosion will eventually result in a failure of the roof system.”

Given these findings, the District ultimately decided to replace the roof of the reservoir. As part of this roof replacement project, the seismic stability of the reservoir was assessed and structural calculations performed by Paso Robles Tank. It was found that the reservoir did not conform to the new 2016 California Building Code (CBC) seismic requirements and its ability to resist seismic forces was 33% below what would be required for new tank construction. Based on our improved understanding of earthquake forces, the 2016 CBC requires much stricter seismic design requirements based on the anticipated seismic forces at the project location. Humboldt County has some of the largest earthquake risk in California, and correspondingly some of the highest design parameters in the State and the United States. Although formal structural calculations have not been performed on the 1MG Samoa IW reservoir, it was constructed with the same design and at the same time as the Korblex DW reservoir, so the calculations performed on the 1MG Korblex reservoir are directly applicable to the IW Samoa Reservoir.

The roof rafter cross-braces on the 2MG Korblex reservoir will also need to be upgraded to conform to the new seismic code. The cross braces on the 2MG Korblex reservoir are corroding, and the failure of these cross braces greatly affect the seismic stability of this tank. Given the substantial increase in the seismic design parameters in the 2016 CBC update, it is fairly certain the 2MG Korblex DW reservoir will also not resist a design standard earthquake.

### **D. Funding Sources**

Funding for this project will be provided from the Federal Emergency Management Agency (FEMA) and the California Office of Emergency Services (CalOES) via the Robert T. Stafford Emergency Assistance and Disaster Relief Act for a FEMA Hazard Mitigation Program project.

The Project funding is being approved in two phases. Phase I funding is already approved and covers professional costs related to NEPA. Phase II funding covers activities such as permitting, contractor selection and construction. Phase II activities cannot be initiated until Phase II is awarded. This will be done when FEMA provides written notification that the review process is completed, including compliance with the NEPA laws and regulations.



## **E. Selection Process**

The District will establish a Selection Committee to review the SOQ submittals received. The Selection Committee will request a price proposal from the most qualified firm/team that is subject to negotiation of a fair and reasonable price. The District's Board of Directors will approve the final proposal.

## **F. Work to be Completed**

The Consultant shall develop the design, plans, specifications, and cost estimates for this project. Required tasks include:

### **PHASE I Preliminary Analysis and Investigations**

#### **1. Project Management**

- 1.1 Attend and document design meetings
- 1.2 Draft correspondence
- 1.3 Manage subcontractors
- 1.4 Maintain project files
- 1.5 Manage and direct overall design and environmental teams

#### **2. Quality Control and Quality Assurance of all work products**

#### **3. Grant Administration**

- 3.1 Coordinate the FEMA Hazard Mitigation grant administration with FEMA and/or CalOES and District staff
- 3.2 Ensure scope of the project is consistent with scope defined in the grant applications and/or agreements
- 3.3 Ensure compliance with the grant program requirements and funding agreements
- 3.4 Completion of Quarterly Status Reports for submittal to CalOES documenting progress of the project

#### **4. Geotechnical Investigation**

- 4.1 Investigation of any necessary borings required to properly design the foundation for the reservoir retrofit
- 4.2 Preparation of geotechnical report detailing the findings of the investigation

#### **5. Preliminary Engineering Design**

- 5.1 Prepare preliminary design documents to provide information needed for completion of the NEPA/CEQA process
- 5.2 Propose initial structural analysis of each reservoir, determining the current seismic requirements for each
- 5.3 Design new foundations and the seismic hold down anchors
- 5.4 Analyze the structural stability and design any other retrofits required to resist seismic forces
- 5.5 Create the 60% plans and specifications for the project

**6. Environmental**

- 6.1 Special Studies - Conduct site specific biological survey, wetlands survey, and sensitive habitat survey, as required for NEPA and CEQA and other necessary permits. It is anticipated that biological, archaeological, and cultural resources studies will be required for both project sites
- 6.2 Cultural Resources Investigation – Conduct cultural resources investigation to identify any cultural resources located in or adjacent to the project area
- 6.3 Phase I Investigation – Complete a limited Phase I investigation to assess whether it is likely that any hazardous materials or impacted soil or groundwater will be encountered during the construction of the proposed project
- 6.4 CEQA Documentation - Prepare the California Environmental Quality Act documentation including an Initial Study, the appropriate CEQA document (which will likely be a Mitigated Negative Declaration), a Mitigation Monitoring Program, and required notices
- 6.5 Studies required by the Coastal Commission, FEMA or CalOES

**PHASE II – Final Analyses, Design, and Construction****7. Project Management**

- 7.1 Attend and document design meetings
- 7.2 Draft correspondence
- 7.3 Manage subcontractors
- 7.4 Maintain project files
- 7.5 Manage and direct overall design and environmental teams

**8. Quality Control and Quality Assurance of all work products****9. Grant Administration**

- 9.1 Coordinate the FEMA Hazard Mitigation grant administration with FEMA and/or CalOES and District staff
- 9.2 Ensure scope of the project is consistent with scope defined in the grant applications and/or agreements
- 9.3 Ensure compliance with the grant program requirements and funding agreements
- 9.4 Completion of Quarterly Status Reports for submittal to CalOES documenting progress of the project

**10. Permitting**

- 10.1 Prepare permit applications, coordinate with and respond to requests of the permitting or regulatory agencies, and acquire all necessary permits
- 10.2 The following permits may be required, as well as others, depending on the final design and regulatory jurisdiction:
  - NPDES Construction permits – All reservoirs
  - Coastal Development Permit – IW Reservoir

**11. Final Project Design**

- 11.1 Review utility records or surveys, geotechnical data, and relevant reports to support project scoping and preliminary engineering
- 11.2 Complete necessary surveying
- 11.3 Conduct necessary geotechnical investigations
- 11.4 Develop design documents including plans, specifications, other necessary bid and contract documents & cost estimates at three stages of completion - 90% and 100%
- 11.5 Document basis of design

**12. Bid Assistance**

- 12.1 Distribute and advertise Plans and Specifications for a competitive sealed bid process for project construction
- 12.2 Review and evaluate construction bids for compliance with project specifications. Ensure the low-cost bidder is responsible and responsive (per CA state law), meets the project bond requirements, holds a valid contractor license, is registered with the California Department of Industrial Relations, and is not ineligible for participation in federal assistance programs.
- 12.3 Following review, recommend award to District staff and Board of Directors

**13. Inspection and Construction Management Services**

- 13.1 Provide inspection and construction observation services to ensure contractor meets obligations of the specifications
- 13.2 Develop agendas and minutes for project construction coordination meetings
- 13.3 Respond to Contractor's Requests for Information
- 13.4 Review and assist District with processing legitimate Change Orders
- 13.5 Review and assist the District with processing Pay Requests
- 13.6 Ensure contractor provides as-built drawings and review for adequacy
- 13.7 Prepare contract closeout documents and file Notice of Completion

**G. Consultant Selection Schedule**

- |  |                   |
|--|-------------------|
| 1. Issue Request for Qualifications:               | August 7, 2020    |
| 2. SOQ Submittal Deadline:                         | August 28, 2020   |
| 3. Selection Committee review:                     | September 2, 2020 |
| 4. Request proposal from most qualified firm/team: | September 9, 2020 |
| 5. District Board approves award:                  | TBD               |

**H. Statement of Qualifications**

Firms or teams who are interested in providing the consultant services described above are to submit a Statement of Qualifications (SOQ) **not exceeding 30 pages in length** (not including cover letter and table of contents) that includes the following:

1. Identification of prime and sub consultants: Include key personnel (those who will provide the majority of the labor hours) and lead persons to be assigned to the project. Please be specific about education and background of the key staff as well as current and past participation directly with the primary applicant. Short resumes of key participants must be included.
2. Demonstration of firm/team technical competency and firm/team capacity to complete the required work.
3. Provide a minimum of two project descriptions of projects that were completed within the last ten years similar to the Reservoirs Seismic Retrofit Project. Please provide a reference name and contact information for the project owner.
4. Demonstration of knowledge of Federal, State and local laws, rules, regulations or ordinances relevant for this project.
5. Demonstration of knowledge of FEMA's Hazard Mitigation Grant program as it relates to this project. Identification of CalOES or FEMA grant administration staff with whom firm/team has worked.

6. A written description of projects recently completed. Be specific regarding projects that are the same, or similar in nature to what is described in this SOQ. Provide contact data for references. Please cross reference key team members to the listed projects.
7. Conceptual approach, and schedule for services requested.
8. Present workload and staff availability.
9. List any potential conflicts of interest and a strategy for negating them.
10. SOQ should be separated and responsive independently to Phase 1 and Phase 2 tasks respectively.

Applicants shall submit five bound copies of their SOQ, one unbound copy, and one electronic pdf copy on a CD or flash drive.

### **I. Selection Criteria**

The District's Selection Committee will evaluate all submitted SOQs in accordance with the criteria stated below. The District reserves the right to request interviews of the top ranked firms. The Selection Committee will decide which applicant will be invited to submit a proposal. The Selection Committee may also elect to select a consultant team based upon the SOQ submittals. Evaluation and selection criteria will include the following:

1. Consultant firm or team's qualifications and experience on similar projects, including transmission-level water infrastructure, design of industrial pressure relief appurtenances and demolition of industrial steel structures – 20 points
2. Qualifications and experience of the project manager and key personnel – 20 points
3. Consultant's understanding of the project and conceptual approach – 20 points
4. Consultant's experience with FEMA Hazard Mitigation Grant Program, including working successfully with grant administration staff – 20 points
5. Consultant Team's present workload and staff availability – 5 points
6. Consultant Team's ability to meet established project schedule – 5 points
7. References for prime and key sub consultants – 5 points
8. Consultant Team's ability to negate any identified conflicts of interest – 5 points

### **J. Submittal Deadline**

Applicants who are interested in providing the services for this project are required to submit a Statement of Qualifications no later than 3:00 pm on Friday August 28, 2020. All SOQs and materials submitted in response to this RFQ will become the property of the District and will not be returned. The District is not responsible for any costs incurred in the preparation of a response to this RFQ. Please submit the SOQ to:

John Friedenbach  
General Manager  
Humboldt Bay Municipal Water District  
828 7th Street  
Eureka, CA 95501-1114

Receipt in the above office must be by the deadline regardless of postmark.

**ACWA**



# RESILIENCE RISING

ACWA 2020 Summer Virtual  
Conference & Exhibition

## AGENDA

SECTION 12.20 PAGE NO. 1



## Wednesday - July 29, 2020

8:30 AM

### OPENING SESSION

#### Opening Remarks

Steve LaMar, ACWA President  
Dave Eggerton, ACWA Executive Director

#### Opening Video

#### Keynote

California Lt. Governor Eleni Kounalakis

#### Sponsor Remarks

#### Awards Presentation

9:45 AM

### ACWA JPIA Presentation

10:15 AM

### BREAK

10:30 AM

### BREAKOUT SESSIONS

#### Statewide Issue Forum Choosing Our Delta Destiny

#### Attorney Program

PFAS: Updates on the  
Regulatory Landscape

#### Finance Program

Infrastructure Financing:  
Impacts of a Changing  
Regulatory Environment,  
Supply Challenges,  
Affordability and Capital  
Pressures on Utility Credit

11:30 AM

### CHAT ROOMS



Delta Discussion  
ACWA 101

Coping with COVID-19

### VIRTUAL EXHIBIT HALL



Learn about innovative  
products and services!

12:00 PM

### EXHIBITOR PRESENTATIONS

Fiduciary Responsibility &  
Your Retirement Plan

Genius Water  
Management Platform

Incentives & Funding  
Opportunities for Energy  
Resiliency Projects

12:30 PM

Holman Capital Corporation:  
Investing in America

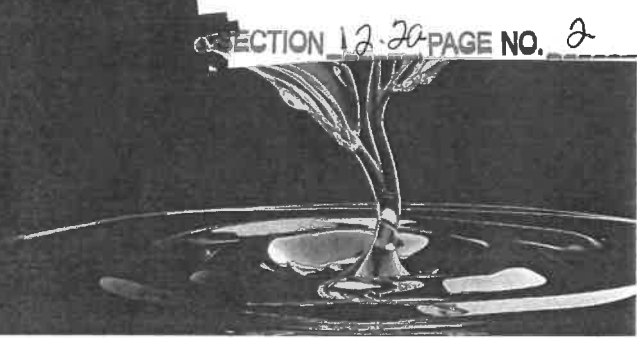
Reduce Surface Tension, Solve Mineral Scale,  
Save 10-42% Water and Energy

# RESILIENCE RISING

ACWA 2020 Summer Virtual  
Conference & Exhibition

## AGENDA

SECTION 12.20 PAGE NO. 2



### Wednesday - July 29, 2020 (CONTINUED)

1:00 PM

#### AFTERNOON KEYNOTE

Secretary Wade Crowfoot, California Natural Resources Agency

1:30 PM

#### BREAKOUT SESSIONS



##### Energy / Water Industry Trends

Wildfire: How Electric  
Utilities are Leveraging  
Technology and Partnering  
with the Water Community  
to Prepare for Fire Season

##### Communication Program

Using Customer Data to  
Inform and Shape Your  
Communications

##### Water Industry Trends Program

The Roadmap Forward:  
A Discussion on the  
First Groundwater  
Sustainability Plans

2:30 PM

#### BREAK

2:45 PM

#### BREAKOUT SESSIONS

##### Statewide Issue Forum

Safe Drinking Water For  
All Californians: Putting  
\$1.4 Billion to Work

##### Technology Program

The Importance of  
I.T. Strategic Planning

##### Water Industry Trends Program

Emergency Response  
and Engagement in the  
Age of Climate Change

3:45 PM

#### CHAT ROOMS



Gen Jam  
SGMA Discussion  
Trivia with ACWA



#### VIRTUAL EXHIBIT HALL

Learn about innovative  
products and services!

4:15 PM

#### BREAKOUT SESSIONS

##### Statewide Issue Forum

COVID-19: Financial and  
Policy Impacts on PWAs

##### Water Industry Trends Program

Water Quality Regulations

##### Region Issue Forum

Building Resilient Coalitions  
to Achieve Co-Equal Goals  
Presented by Region 1

5:30 PM

#### VIRTUAL RECEPTION

# RESILIENCE RISING

ACWA 2020 Summer Virtual  
Conference & Exhibition

## AGENDA

SECTION 12-20 PAGE NO. 3

### Thursday - July 30, 2020

7:45 AM

#### VIRTUAL CHAIR YOGA

Start your morning with wellness and join us for a guided chair yoga session.

8:15 AM

#### DAY 2 OPENING SESSION

##### Opening Remarks

Pam Tobin, ACWA Vice President

##### Scholarship Presentation

##### Keynote

Commissioner Brenda Burman  
U.S. Bureau of Reclamation

9:00 AM

#### BREAKOUT SESSIONS

##### Statewide Issue Forum

State and Federal  
Infrastructure Funding:  
Investing in Resilience

##### Water Industry Trends Program

Adapting to Flood, Fire  
and Drought: A Case Study  
of the American River Basin

##### Region Issue Forum

The Economic Impacts  
of SGMA in the  
San Joaquin Valley  
Presented by Regions 6 & 7  
and the ACWA Agricultural  
Committee

10:00 AM

##### Statewide Issue Forum

Once Upon a Time in  
Water: What Worked,  
What Didn't?

##### Human Resources Program

Avoiding the Brain Drain  
Presented by ACWA JPIA

##### Region Issue Forum

Safe Affordable Drinking  
Water: Overcoming  
Challenges and Creating a  
New Partnership Approach  
Presented by Region 5

11:00 AM

#### BREAK

11:15 AM

#### CLOSING SESSION

##### Keynotes

E. Joaquin Esquivel, Chair, State Water Resources Control Board  
Director Karla Nemeth, California Department of Water Resources

##### Closing Remarks

Steve LaMar, ACWA President

2020-2021 ACWA - Energy Committee

Board Name	First Name (Contact)	Last Name (Contact)	E-mail (Contact)	Role	Agency	Region Representing
	Jim	Abercrombie	jmabercrombie@eid.org	Member	El Dorado Irrigation District	3
	Gary	Arant	garant@valleycenterwater.org	Member	Valley Center Municipal Water District	10
	Austin	Avery	asavery@tid.org	Member	Turlock Irrigation District	4
	Shawn	Bailey	sbailey@mwdh2o.com	Member	Metropolitan Water District of Southern California	8
	Dave	Beyer	dbeyer@ebmud.com	Member	East Bay Municipal Utility District	5
	Fred	Bockmiller	fredb@mesawater.org	Member	Mesa Water District	10
	Will	Boschman	wboschman@semitropic.com	Member	Semitropic Water Storage District	7
	Gary	Bousquet	gbousquet@sdca.org	Member	San Diego County Water Authority	10
	Leslie	Bryan	labryan@reupower.com	Member	City of Redding Water Utility	2
	Pietro	Cambiaso	pcambias@ieua.org	Member	Inland Empire Utilities Agency	9
	Duane	Cave	dcave@mnwd.com	Member	Moulton Niguel Water District	10
	Erik	Christeson	echristeson@kmpud.com	Member	Kirkwood Meadows Public Utilities District	3
	Ted	Costa	tedcosta@tedcosta.com	Member	San Juan Water District	4
	David	Coxey	dcoxe@bvwtd.org	Member	Bella Vista Water District	2
	Christi	Dadachanji	pdadachanji@sandiego.gov	Member	City of San Diego Public Utilities	10
	Roshini	Das	rdas@cityofsacramento.org	Member	City of Sacramento - Dept. of Utilities	4
	Craig	Elitharp	celltharp@cox.net	Member	Vallecitos Water District	10
	Dana	Ferreira	dana.ferreira@mid.org	Member	Modesto Irrigation District	4
	Kathryn	Freshley	kfreshley@etwd.com	Member	El Toro Water District	10
	John	Friedenbach	friedenbach@hbmwd.com	Member	Humboldt Bay Municipal Water District	1
	Alan	Gardner	agardner@vomwd.org	Member	Valley of the Moon Water District	1
	Matt	Garrison	mgarrison@kcwa.com	Member	Kern County Water Agency	7
	Jerry	Gladbach	ejglad@aol.com	Member	Santa Clarita Valley Water Agency	8
	Cathy	Green	cgreen@ocwd.com	Member	Orange County Water District	10
	Ron	Greenwood	ronnygreenwood47@gmail.com	Member	Carmichael Water District	4
	Matthew	Hobbs	mhobbs@sidwater.org	Member	Solano Irrigation District	4
	Dan	Howell	howell@emwd.org	Member	Eastern Municipal Water District	9
	John	James	jjames@yubawater.org	Member	Yuba Water Agency	2
	Brooke	Jones	bjones@ylwd.com	Member	Yorba Linda Water District	10
	David	Kates	david@leapshydro.com	Member	The Nevada Hydro	10
	Theresa	Kim	theresa.kim@ladwp.com	Member	Los Angeles Department of Water & Power	8
	Robert	Krieger	rkrieger@kriegerandstewart.com	Member	Desert Water Agency	9
	Delon	Kwan	delon.kwan@ladwp.com	Member	Los Angeles Department of Water & Power	8
	Russell	Lefevre	r.lefevre@ieeee.org	Member	Metropolitan Water District of Southern California	8
	Lynda	Lo-Hill	llohill@lvwmwd.com	Member	Las Virgenes Municipal Water District	8
	Kristine	McCaffrey	kmccaffrey@calleguas.com	Member	Calleguas Municipal Water District	8
	J. Wayne	Miller	jwmiller@ylwd.com	Member	Yorba Linda Water District	10
	Marty	Miller	marty@millrcon.com	Member	Vista Irrigation District	10
	Michael	Minkler	rebeccah@ccwd.org	Vice Chair	Calaveras County Water District	3



Jim	Murtland	jimmurtland@aol.com	Member	Rincon del Diablo Municipal Water District	10
Richard	Ottolini	ottolinir@ranchowater.com	Member	Rancho California Water District	9
Chris	Perri	cperri@svwd.org	Member	Scotts Valley Water District	5
Paul	Peschel	ppeschel@krccd.org	Member	Kings River Conservation District	6
Laura	Peters	division4@nidwater.com	Member	Nevada Irrigation District	3
William	Plummer	bplum80@msn.com	Member	Rancho California Water District	9
Dick	Quigley	rlquig1@comcast.net	Member	Zone 7 Water Agency	5
Randall	Reed	randallr@cvwdwater.com	Member	Cucamonga Valley Water District	9
Darin	Reintjes	dreintjes@pcwa.net	Member	Placer County Water Agency	3
Lee	Renger	lrenger@lvnwd.com	Member	Las Virgenes Municipal Water District	8
Samuel	Robinson	robinsos@emwd.org	Member	Eastern Municipal Water District	9
Phil	Rosentrater	prosentrater@ssajpa.org	Member	Salton Sea Authority	9
Paul	Sanguinetti	afeliciano@sewd.net	Member	Stockton East Water District	4
Remleh	Scherzinger	schertzinger@tdpud.org	Member	Truckee Donner Public Utility District	3
Thomas	Slosson	tslosson@calleguas.com	Member	Calleguas Municipal Water District	8
Brent	Smith	bsmith@pcwa.net	Member	Placer County Water Agency	3
Oliver	Smith	oliver.smith@phillips.com	Member	Valley Center Municipal Water District	10
Thomas	Suggs	tsuggs@wrmwsd.com	Member	Wheeler Ridge-Maricopa Water Storage District	7
Peer	Swan	swan@irwd.com	Member	Irvine Ranch Water District	10
Judy	Tejeda	catalinagr101@yahoo.com	Member	Crescenta Valley Water District	8
Kevin	Thomas	kevint100@gmail.com	Member	Sacramento Suburban Water District	4
DeAna	Verbeke	DeAna.Verbeke@helixwater.org	Member	Helix Water District	10
Rexford	Wait	rex@leapshydro.com	Member	The Nevada Hydro	10
Charley	Wilson	cwilson@socalwater.org	Chair	Santa Margarita Water District	10
Tasha	Wright	twright@srcity.org	Member	City of Santa Rosa - Water Dept.	1
John	Zhao	jzhao@lvnwd.com	Member	Las Virgenes Municipal Water District	8





## BOARD OF DIRECTORS' MEETING AGENDA

Link to join: [zoom.us/join](https://zoom.us/join)  
 Meeting number:  
 Password:  
 Call in:

**Monday – July 27, 2020 – 10:00 AM**

**WELCOME**

**CALL TO ORDER AND ANNOUNCEMENT OF QUORUM**

**MEETING PARTICIPATION GUIDELINES**

**PLEDGE OF ALLEGIANCE**

**ANNOUNCEMENT RECORDING OF MEETING** This meeting may be recorded to assist in preparation of minutes. Recordings will only be kept 30 days following the meeting, as mandated by the California Brown Act.

**PUBLIC COMMENT** Members of the public will be allowed to address the Board of Directors on any agenda item prior to the Board's decision on the item. They will also be allowed to comment on any issues that they wish which may or may not be on the agenda. If anyone present wishes to be heard, please let the Chairman know.

**INTRODUCTION OF GUESTS**

**ADDITIONS TO OR DELETIONS FROM THE AGENDA**

<u>Presenter</u>		<u>Page#</u>
	<b>I. <u>CONSENT CALENDAR</u></b>	
Gladbach	* A. Approve the minutes of the meeting of December 2, 2019.	1
	<b>II. <u>ADMINISTRATION</u></b>	
Sells	* A. Glossary of Terms.	13
Gladbach	* B. Ratify Executive Committee's acceptance of new agencies.	25

<u>Presenter</u>		<u>Page#</u>
	<b>III. <u>FINANCIAL</u></b>	
Phillips	* A. Review and approve the Audited Financial Statements for year ending September 30, 2019.	26
deBernardi	* B. Review and approve the proposed Operating Budget for the fiscal year October 1, 2020-21.	104
	<b>IV. <u>PROGRAMS</u></b>	
Sells	* A. Pooled Program update: 1. Liability Program 2. Property Program 3. Workers' Compensation Program 4. Employee Benefits Program	108
Smith Nogosek Tucker Slaven	* B. Department updates: 1. Employee Benefits 2. Liability/Property 3. Workers' Compensation 4. Human Resources and Training	110
Sells	* C. California Water Insurance Fund (CWIF) update.	117
	<b>V. <u>MEMBERSHIP BENEFITS</u></b>	
Thesing	* A. Announce the winners of the H.R. LaBounty Safety Award Program.	118
Thesing	* B. Risk Control Grant Program update.	121
	<b>VI. <u>CEO UPDATE</u></b>	
Sells	* A. Current events at the JPIA.	122
	<b>VII. <u>OTHER BUSINESS</u></b>	
Greenfield	A. Briefly review pending lawsuits directly involving the JPIA.	

**ADJOURNMENT**

\*Related items enclosed.

**CONFIRM YOUR VOTE**

At the end of the meeting, please email Bobbette Wells at [bwells@acwajpia.com](mailto:bwells@acwajpia.com) to confirm your vote on the following action items:

1. Consent agenda/minutes of the last meeting
2. Ratify new agencies
3. Financial Statements for fiscal year 2019-20
4. Budget for fiscal year 2020-21

**MISSION STATEMENT:** ACWA JPIA is dedicated to consistently and cost effectively providing the broadest possible affordable insurance coverages and related services to its member agencies.

***Americans with Disabilities Act*** – ACWA JPIA conforms to the protections and prohibitions contained in Section 202 of the Americans with Disabilities Act of 1990 and the Federal Rules and Regulations adopted in implementation thereof. A request for disability-related modification or accommodation, in order to participate in a public meeting of the JPIA, shall be made to: Bobbette Wells, Executive Assistant, ACWA JPIA, P. O. Box 619082, Roseville, CA 95661-9082; telephone (916) 786-5742. The JPIA's normal business hours are Monday – Friday, 7:30 a.m. to 4:30 p.m. (Government Code Section 54954.2, subdivision. (a)(1).)

Written materials relating to an item on this Agenda that are distributed to the JPIA within 72 hours before it is to consider the item at its regularly scheduled meeting will be made available for public inspection at ACWA JPIA, 2100 Professional Drive, Roseville, CA 95661-3700; telephone (916) 786-5742. The JPIA's normal business hours are Monday – Friday, 7:30 a.m. to 4:30 p.m.





YOUR BEST PROTECTION

June 26, 2020

H.B.M.W.D. JUL 16 2020

**ACWA JPIA**P. O. Box 619082  
Roseville, CA 95661-9082phone  
916.786.5742  
800.231.5742direct line  
916.774.7050  
800.535.7899fax  
916.774.7040claims fax  
916.786.0209[www.acwajpia.com](http://www.acwajpia.com)**President**

E.G. "Jerry" Gladbach

**Vice President**

Tom Cuquet

**Chief Executive Officer**

Walter "Andy" Sells

**Executive Committee**

Fred Bockmiller

Tom Cuquet

David Drake

E.G. "Jerry" Gladbach

Brent Hastey

Steven LaMar

Melody A. McDonald

J. Bruce Rupp

Kathleen Tiegs

Humboldt Bay Municipal Water District  
Humboldt Bay MWD Staff  
P.O. Box 95  
Eureka, CA 95502-0095**Re: H.R. LaBounty Safety Awards Program**

Dear Humboldt Bay MWD Staff:

On behalf of the ACWA JPIA, we would like to thank you for your recent safety award submission.

We greatly appreciate that you contributed your time and efforts to promote safe workplace behavior and improve existing operational practices. It is individuals like you who demonstrate safe behavior, take part in training, and participate in risk-reducing actions that foster a positive safety culture.

Enclosed is a certificate in honor of your achievement. The entire JPIA membership is successful because of individuals like you. ***We encourage you to cash the enclosed check promptly.***

Please continue your risk management practices. We look forward to future safety award submissions from you.

Sincerely,

A handwritten signature in black ink that reads "Walt 'Andy' Sells".

Walter "Andy" Sells  
Chief Executive Officer

720:tl

Enc. Certificate

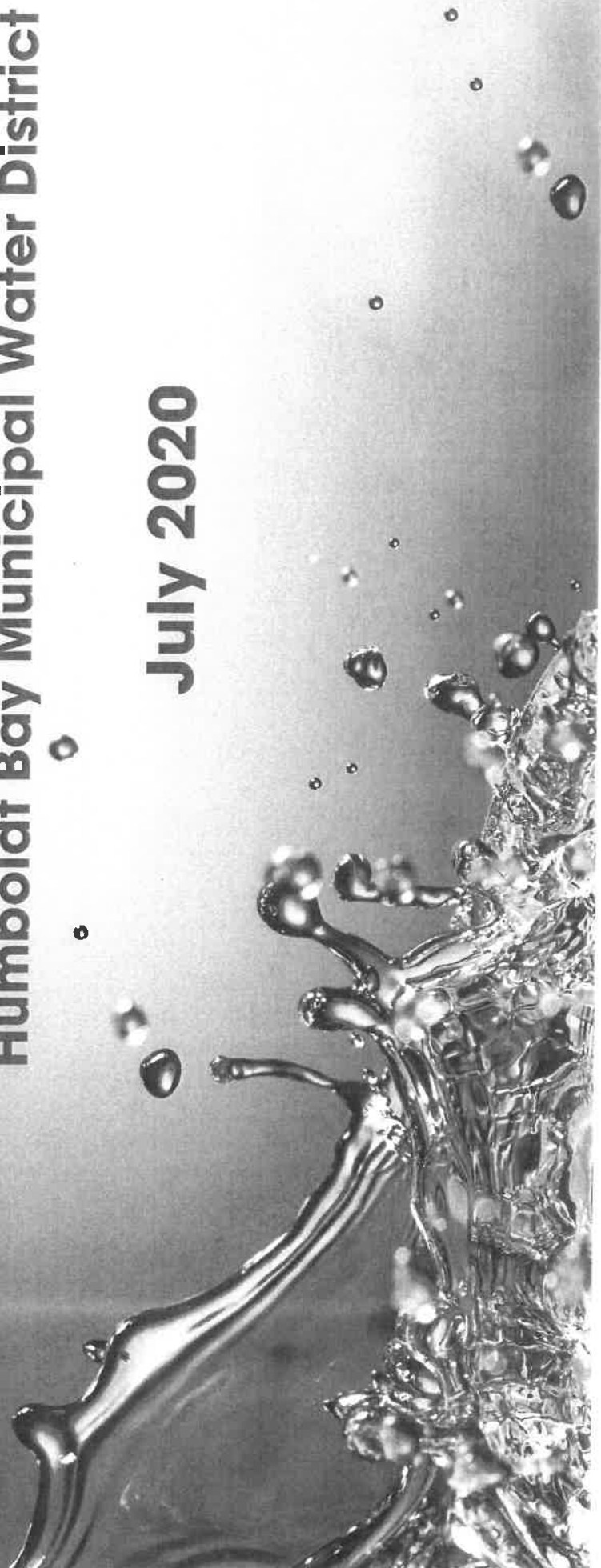




**The JPIA Proudly Presents the  
H.R. LaBounty Safety Award  
to**

**Humboldt Bay Staff  
Humboldt Bay Municipal Water District**

**July 2020**



**ACWA JPIA**  
**Safety Awards Winners – Summer 2020**  
**July 27, 2020**

**BACKGROUND**

The JPIA safety awards program began in 1999 to promote safe workplace behavior and operations practices; and to reward those employees who demonstrate safe behavior or take part in proactive safety activities. This has been a very popular program with approximately 100 nominations received from participating members each year. Districts who have nominated employees for the Safety Award are recognized at the biannual Board of Directors meetings.

**CURRENT SITUATION**

The JPIA Risk Control Advisors have promoted the revised Safety Awards Program during each site meeting since the May 2018 conference. The new Safety Awards Program brochure and nomination form are included in each box of JPIA training materials, and are highlighted by the risk advisors at the time of course delivery. Risk assessment meetings and tours of members' facilities provide another opportunity to highlight the Program, and the type of significant program activities and engineering solutions we encouraged members to nominate. In addition to the nominations for methods and equipment to reduce manual material handling exposures, nominations recognizing significant safety program improvements are also encouraged.

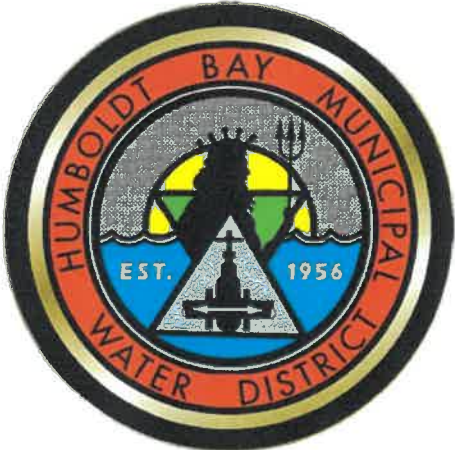
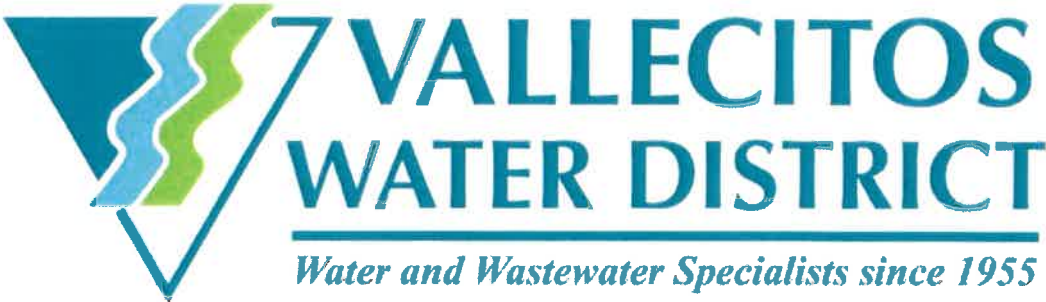
There were 21 nominations submitted from 17 members for summer 2020. The JPIA is recognizing four members for their significant program activities and engineering solutions: Rancho California Water District, Yuba County Water Agency, Humboldt Bay Municipal Water District, and Vallecitos Water District. The members highlighted for presentation were selected based on the following judging criteria:

- Provides solid documentation of the hazard or exposure; and the controls to reduce or eliminate the hazard such as tools, forms, or programs.
- Demonstrates employee participation across all levels of the organization with documentation of communication and training methods.
- Implements a best practice for a Commitment to Excellence category based on JPIA loss data.
- Applies to small, medium, and large members within the JPIA.
- Provides a long-term solution to eliminate, substitute, or engineer out the hazard.

Advisors will continue to promote the Safety Awards Program during site visits and training classes to encourage members to engage their staff and continuously improve their safety programs.

**RECOMMENDATION**

None, informational only.



## H.R. LaBounty Safety Award Winners – Summer 2020

Name	District
Kelly Gerkenmeyer	Calaveras County Water District
Mike Samorano	Calaveras County Water District
Michael Smith	Elsinore Valley Municipal Water District
Brian Vigil	Elsinore Valley Municipal Water District
Humboldt Bay Staff	Humboldt Bay Municipal Water District
Eric Couture	Merced Irrigation District
Kristina Mahy	Merced Irrigation District
Matt Crowl	Moulton Niguel Water District
Christina Awad	Orange County Water District
Utility Department	Ramona Municipal Water District
Jeff Dixon	Rancho California Water District
Chris Cessna	San Juan Water District
Aaron Davis	San Juan Water District
Cody Sinnock	San Juan Water District
Davis Doane	Sweetwater Authority
Matt Kloska	Sweetwater Authority
Robbie Bargeron	Trabuco Canyon Water District
Robert Baldwin	Trabuco Canyon Water District
Tony Quinonez	Trabuco Canyon Water District
Chris Deering	Vallecitos Water District
Anette Longville	Vallecitos Water District
Dawn McDougle	Vallecitos Water District
Ivan Murguia	Vallecitos Water District
Arturo Sanchez	Vallecitos Water District
Marc Smith	Vallecitos Water District
Matt Weise	Vallecitos Water District
Alicia Yerman	Vallecitos Water District
Alanna Diaz	Walnut Valley Water District
Tom Hunt	Walnut Valley Water District
Don Gehnert	Western Municipal Water District
Sean Torres	Western Municipal Water District
Michael Pilatti	Wheeler Ridge-Maricopa Water Storage District
Jamie Coleman	Yuba County Water Agency



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**HUMBOLDT BAY MUNICIPAL WATER DISTRICT**

828 SEVENTH STREET, PO BOX 95 • EUREKA, CALIFORNIA 95502-0095

OFFICE 707-443-5018 ESSEX 707-822-2918

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EMAIL [OFFICE@HBMWD.COM](mailto:OFFICE@HBMWD.COM)

Website: [www.hbmwd.com](http://www.hbmwd.com)

**BOARD OF DIRECTORS**

SHERI WOO, PRESIDENT

NEAL LATT, VICE-PRESIDENT

J. BRUCE RUPP, SECRETARY-TREASURER

MICHELLE FULLER, DIRECTOR

DAVID LINDBERG, DIRECTOR

**GENERAL MANAGER**

JOHN FRIEDENBACH

*Approved by JP1A  
on July 31<sup>st</sup> 20*

July 23, 2020

Jackie Rech  
Employee Benefits Account Manager  
ACWA JPIA  
Via email: [jrech@acwajpia.com](mailto:jrech@acwajpia.com)

RE: 2020 ACWA JPIA Wellness Grant Application

Dear Ms. Rech,

Type 2 diabetes is the most common form of diabetes and affects over 30 million Americans, according to the US Centers for Disease Control and Prevention. Type 2 diabetes accounts for 90-95 percent of diabetes. To reduce the risk of diabetes, it is recommended that adults exercise 150 minutes per week in addition to eating healthy.

Last year, we used our grant funds to allow employees to use their allotment towards exercise apparel and equipment. The feedback from employees was extremely positive and they have requested the same option if we receive grant funding. Employees were able to purchase items that best assisted them in exercise or developing healthy eating habits. Items purchased ranged from workout clothing, shoes, weights, Fitbit or similar type gear and exercise/eating apps to assist with their goals.

Attached is the grant application and the W-9 per grant requirements. If you have any questions, please let us know.

Sincerely,

  
John Friedenbach  
General Manager



**RREDC/RCEA**



Redwood Coast Energy Authority  
633 3<sup>rd</sup> Street, Eureka, CA 95501  
Phone: (707) 269-1700 Toll-Free (800) 931-7232 Fax: (707) 269-1777  
E-mail: [info@redwoodenergy.org](mailto:info@redwoodenergy.org) Web: [www.redwoodenergy.org](http://www.redwoodenergy.org)

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## **BOARD OF DIRECTORS MEETING AGENDA**

**July 23, 2020 -Thursday, 3:30 p.m.**

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### **COVID-19 NOTICE**

#### **RCEA AND HUMBOLDT BAY MUNICIPAL WATER DISTRICT OFFICES WILL NOT BE OPEN TO THE PUBLIC FOR THIS MEETING**

Pursuant to the Governor's Executive Order N-29-20 of March 17, 2020, and the Humboldt County Health Officer's March 30, 2020, Shelter-in-Place Order, the RCEA Board of Directors meeting will not be convened in a physical location. Board members will participate in the meeting via an online Zoom video conference.

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**To listen to the meeting by phone**, call (669) 900-6833 or (253) 215-8782. Enter webinar ID: 819 7236 8051. **To watch the meeting online**, join the Zoom webinar at <https://us02web.zoom.us/j/81972368051>.

**You may submit written public comment** before and during the meeting by email to [PublicComment@redwoodenergy.org](mailto:PublicComment@redwoodenergy.org). Please identify the agenda item number in the subject line. Comments received before the agenda item is heard will be read into the record, with a maximum allowance of approximately 500 words per comment. Comments received after the agenda item is heard and before the meeting's end will be included in the meeting record but not read aloud during the meeting.

**To make a comment during the public comment periods**, raise your hand in the online Zoom webinar, or press star (\*) 9 on your phone to raise your hand. You will continue to hear the meeting while you wait. When it is your turn to speak, a staff member will unmute your phone or computer. You will have 3 minutes to speak.

While downloading the Zoom application may provide a better meeting experience, Zoom does not need to be installed on your computer to participate. After clicking the webinar link above, click "start from your browser."

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In compliance with the Americans with Disabilities Act, any member of the public needing special accommodation to participate in this meeting should call (707) 269-1700 or email [Ltaketa@redwoodenergy.org](mailto:Ltaketa@redwoodenergy.org) at least 3 business days before the meeting. Advance notice enables RCEA staff to make their best effort to reasonably accommodate access to this meeting while maintaining public safety.

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Pursuant to Government Code section 54957.5, all writings or documents relating to any item on this agenda which have been provided to a majority of the Board of Directors, including those received less than 72 hours prior to the RCEA Board meeting, will be made available to the public at [www.redwoodenergy.org](http://www.redwoodenergy.org).

## **OPEN SESSION Call to Order**

### **1. REPORTS FROM MEMBER ENTITIES**

### **2. ORAL COMMUNICATIONS**

This time is provided for people to address the Board or submit written communications on matters not on the agenda. At the conclusion of all oral communications, the Board may respond to statements. Any request that requires Board action will be set by the Board for a future agenda or referred to staff.

### **3. CONSENT CALENDAR**

All matters on the Consent Calendar are considered to be routine by the Board and are enacted in one motion. There is no separate discussion of any of these items. If discussion is required, that item is removed from the Consent Calendar and considered separately. At the end of the reading of the Consent Calendar, Board members or members of the public can request that an item be removed for separate discussion.

**3.1** Approve Minutes of June 25, 2020, Board Meeting.

**3.2** Approve Disbursements Report.

**3.3** Accept Financial Reports.

**3.4** Adopt Resolution 2020-4 Adopting an Amended Conflict of Interest Code and Authorize the Board Clerk to Submit the Amended Conflict of Interest Code to the Humboldt County Board of Supervisors as the Code Reviewing Body.

**3.5** Approve Selection of M.J. Furniss & Associates to Provide Consulting Services to RCEA on Implementation of RePower Humboldt Strategic Plan Measures for an Amount Not to Exceed \$199,674, and Authorize the Executive Director to Prepare and Execute a Professional Services Agreement with M.J. Furniss & Associates for These Services, and All Applicable Documents.

### **4. REMOVED FROM CONSENT CALENDAR ITEMS**

Items removed from the Consent Calendar will be heard under this section.

### **COMMUNITY CHOICE ENERGY (CCE) BUSINESS (Confirm CCE Quorum)**

Items under this section of the agenda relate to CCE-specific business matters that fall under RCEA's CCE voting provisions, with only CCE-participating jurisdictions voting on these matters with weighted voting as established in the RCEA joint powers agreement.

### **5. OLD CCE BUSINESS**

**5.1.** Energy Risk Management Quarterly Report

Accept Energy Risk Management quarterly report.

### **6. NEW CCE BUSINESS**

**6.1.** Resource Adequacy and Long-Duration Storage Solicitations (Information only)

## **END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS**

## 7. OLD BUSINESS

7.1 CAPE/RePower Humboldt status update Q2 (Information only)

## 8. NEW BUSINESS

8.1 Award Contract for CPUC Program Administrator Reporting Services

Award professional services agreement for CPUC Program Administrator reporting and budget filing to [recommended proposer] in the amount of [recommended proposal bid amount] for one year with two potential one-year extensions, and authorize the Executive Director to execute all applicable documents.

*Note: The two received proposals were under review at the time of agenda publication. A recommended vendor and amount will be presented to the Board and posted on [www.RedwoodEnergy.org](http://www.RedwoodEnergy.org) on the day of this Board meeting.*

8.2 RCEA Racial Justice Action Plan Creation

Form a racial justice action plan ad hoc board subcommittee of up to four directors.

9. STAFF REPORTS – None.

## 10. FUTURE AGENDA ITEMS

Any request that requires Board action will be set by the Board for a future agenda or referred to staff.

## 11. ADJOURNMENT

### NEXT REGULAR MEETING

Thursday, August 27, 2020, 3:30 p.m.

This meeting will be an online teleconference following shelter-in-place orders.



## **DRAFT BOARD OF DIRECTORS MEETING MINUTES**

**June 25, 2020 - Thursday, 3:30 p.m.**

Notice of this meeting was posted on June 19, 2020. Chair Austin Allison called a regular meeting of the Board of Directors of the Redwood Coast Energy Authority to order on the above date at 3:30 p.m., stating that the teleconference meeting was being conducted pursuant to Brown Act waivers included in Governor Newsom's COVID-19 State of Emergency Executive Order N-29-20 of March 17, 2020, and the Humboldt County Health Officer's March 30, 2020, Shelter-in-Place Order. Chair Allison stated that the posted agenda contained public teleconference meeting participation instructions.

PRESENT: Chair Austin Allison, Stephen Avis, Chris Curran, Vice Chair Estelle Fennell, Dwight Miller, Michael Winkler, Dean Glaser, Frank Wilson, Sheri Woo. STAFF AND CONSULTANTS PRESENT: General Counsel Nancy Diamond, Power Resources Director Richard Engel, Power Resources Manager Jocelyn Gwynn, Demand-Side Projects Manager Mike Avcollie, Community Strategies Manager Nancy Stephenson, Executive Director Matthew Marshall, Board Clerk Lori Taketa.

### **REPORTS FROM MEMBER ENTITIES**

Director Miller reported that the Trinidad City Council unanimously passed a resolution supporting planning for a Greater Trinidad Electricity Microgrid, a more reliable water supply and alternatives to Trinidad's broadband; that he resigned from the Trinidad City Council and that Alternate Director David Grover and staff thanked Director Miller for his long service on the RCEA Board and wished him well.

### **ORAL COMMUNICATIONS**

Chair Allison invited public comment. Member of the public and Trinidad City Councilmember David Grover thanked Director Miller for his guidance and stated that he would do his best as a Director on the RCEA Board. Chair Allison closed the public comment period.

### **CONSENT CALENDAR**

- 3.1 Approve Minutes of May 28, 2020, Board Meeting.
- 3.2 Approve Disbursements Report.
- 3.3 Accept Financial Reports.
- 3.4 Accept Update on Sunthurst Energy Feed-in-Tariff Application Retractions and the Resulting Program Capacity Release for New Applications.

Director Woo requested that item 3.3 be pulled from the Consent Calendar. No member of the public requested that any Consent Calendar items be removed.

**M/S: Avis, Miller: Approve consent calendar items 3.1, 3.2 and 3.4.**



**The motion passed with a unanimous roll call vote. Ayes: Allison, Avis, Curran, Fennell, Glaser, Miller, Wilson, Winkler, Woo. Noes: None.**

## **REMOVED FROM CONSENT CALENDAR ITEMS**

Staff clarified that line 1101 on the balance sheet labeled “Other Current Assets – Allowance for Doubtful Accounts” was an amount set aside to cover uncollectible bill payments and that the annual amount was roughly doubled in the upcoming year’s budget in anticipation of COVID pandemic-related non-payment. Unpaid bill amounts have increased slightly since March.

Chair Allison invited public comment. No one came forward to speak. Chair Allison closed the public comment period.

**M/S: Woo, Avis: Accept Financial Reports, consent calendar item 3.3.**

**The motion passed with a unanimous roll call vote. Ayes: Allison, Avis, Curran, Fennell, Glaser, Miller, Wilson, Winkler, Woo. Noes: None.**

## **COMMUNITY CHOICE ENERGY (CCE) BUSINESS**

Chair Allison confirmed that a CCE quorum was present.

### **OLD CCE BUSINESS**

#### **5.1 Power Procurement Compliance Updates (Information only)**

Power Resources Manager Jocelyn Gwynn gave an overview of three compliance filings that the Community Choice Energy department is working to complete. Manager Gwynn explained and answered questions about the Integrated Resource Plan, which is filed every two years with the California Public Utilities Commission and which reports how RCEA’s CCE power procurement would help meet statewide higher and lower greenhouse gas (GHG) emission target scenarios in 2030. She explained the Renewable Portfolio Standards Procurement Plan, which outlines how RCEA would help to meet state and local procurement targets specifically for renewable power; and how the airport microgrid, the Sandrini Solar Project and the Board’s recently approved feed-in-tariff projects will be listed as new build contracts in this filing. Ms. Gwynn described how the annual Power Source Disclosure is used to develop a Power Content Label that is mailed annually to customers and which will report the power sources RCEA used to meet its customer load during the previous year.

Staff clarified that the reported future energy portfolios do not include DG Fairhaven’s energy output, that 2% of RCEA customers have opted-up to the CCE program’s REpower+ 100% renewable energy mix, and how the agency has focused on increasing the percentage of renewables in the entire portfolio. The directors requested additional outreach to increase the percentage of CCE customers opting up to 100% renewable energy. Staff further clarified that the battery storage numbers are lower in the lower GHG emission scenario because part of the out-of-area large battery storage capacity would be replaced with local, behind-the-meter customer and critical facility storage which is counted as demand-response and which would also contribute local energy resiliency during emergencies.

Chair Allison invited public comment.

To member of the public and alternate Trinidad Board member David Grover's inquiry on pumped, long-duration storage, staff explained that this type of energy storage usually involves multiple reservoirs where water is pumped to a higher reservoir during periods of surplus energy generation and released through a hydro-electric facility when energy is needed. This stored energy can be deployed seasonally, whereas battery storage is designed for short term storage and daily use. There are limited locations where these storage methods can be deployed.

Chair Allison closed public comment.

## 5.2 Distributed Energy Resource Request for Proposals Update

Power Resources Manager Jocelyn Gwynn and Demand-Side Projects Manager Mike Avcollie reported on the two pre-qualified developers who responded to the request for proposals for up to 5MW of behind-the-meter energy storage capacity which can help fulfill RCEA's state-mandated resource adequacy requirement, provide local energy resilience, reduce customer utility bills and decarbonize the grid by reducing the energy load during the evenings when more polluting resources are typically used to satisfy increased energy demand. Staff is evaluating and interviewing the two respondents: TRC, which focuses on providing mostly battery storage to larger, municipal and industrial commercial customers as well as for multi-family, affordable housing; and Swell Energy which focuses on providing no-cost solar and battery systems to lower-income and tribal residential customers. RCEA would control the batteries to offset customer load. In exchange the customer would own a low- or no-cost battery system to connect to their solar array to use as a back-up generator when the power is out.

The directors expressed interest in contracting with both companies with their different areas of focus and discussed how the impacts of battery manufacturing are preferable to the use of combustion generators during a power outage. Staff explained that battery decommissioning responsibility will be addressed during contract negotiations and that retraction of state SGIP funding is unlikely despite the current economic downturn. Staff also reported that battery storage would be considered in the next feed-in-tariff requests for proposals for local renewable energy providers.

Chair Allison invited public comment. No one came forward to speak. Chair Allison closed public comment.

**M/S: Fennell, Avis: Approve the behind-the-meter distributed resource adequacy request for proposals shortlist of TRC and Swell Energy, with final selection pending further deliberation by the review team.**

**The motion passed with a unanimous roll call vote. Ayes: Allison, Avis, Curran, Fennell, Glaser, Miller, Wilson, Winkler. Noes: None. Non-voting: Woo.**

### 5.3 Biomass Procurement Update and Response to Unsolicited Proposal from Redwood Coast Power

Executive Director Marshall reported that while the DG Fairhaven biomass plant remains idle, the company's contract with RCEA is in effect through 2020. The plant's potential output is not included in RCEA's long-term local resource planning and RCEA expects to procure power from other sources by 2030. While the biomass plant is aging, its interconnection capacity with the electrical grid is valuable and the facility has many possible future uses. The plant's owners are negotiating with prospective buyers. Redwood Coast Power's biomass plant is on leased land and the Blue Lake City Council did not extend the lease beyond 2025.

A director requested future consideration of biochar production, which was included in Redwood Coast Power's unsolicited proposal, while another director stated that biochar production was beyond RCEA's scope of electricity purchase and sale. A request was made for more information on potential development opportunities for aging biomass plants.

Chair Allison invited public comment. No one came forward to speak. Chair Allison closed public comment.

**M/S: Allison, Fennell: Direct the Executive Director to respond to David O'Neill's April 11, 2020, letter and to inform Mr. O'Neill that RCEA's Community Choice Energy program has no current plans to acquire additional biomass electricity and that the power purchase agreement between DG Fairhaven and RCEA remains in effect.**

**The motion passed with a unanimous roll call vote. Ayes: Allison, Avis, Curran, Fennell, Glaser, Miller, Wilson, Winkler. Noes: None. Non-voting: Woo.**

## NEW CCE BUSINESS

### 6.1 Hydropower, Bioenergy, and Climate Consulting Request for Proposals

Power Resources Director Engel reported on three target areas of the Repower Humboldt 2019 strategic energy plan update to be addressed by a consulting request for proposals: hydropower, bioenergy and climate action planning. Local, low-impact hydropower opportunities have been identified that could complement solar and wind energy availability and additional consulting assistance is needed to address several biomass-related goals. Forest management and land use climate change expertise is also needed to assist in the current multi-jurisdiction climate action plan development.

Chair Allison invited public comment. No one came forward to speak. Chair Allison closed public comment.

**M/S: Miller, Woo: Authorize staff to develop and issue a request for proposals for consulting services on implementation of strategic plan measures, focusing on local hydropower, bioenergy, and climate action planning.**

**The motion passed with a unanimous roll call vote. Ayes: Allison, Avis, Curran, Fennell, Glaser, Miller, Wilson, Winkler. Noes: None. Non-voting: Woo.**

## END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS

### OLD BUSINESS

#### 7.1 Airport Microgrid Project Fence Installation and Tree Removal Bid Awards

Executive Director Marshall reported that while the Board approved working with the County to do a request for proposals (RFP) for airport microgrid project tree removal and fence building, early work that is needed to move the microgrid project forward, changing conditions have made it more expedient for RCEA to do the RFP as originally planned. The low bid for tree removal was below the estimated cost and local companies submitted both low bids.

Chair Allison invited public comment. No one came forward to speak. Chair Allison closed public comment.

#### M/S: Fennell, Miller:

**Award bid for Airport Microgrid Project fence installation to CR Fence Company Inc. dba Humboldt Fence Company in the amount of \$94,500.00 and issue a Notice to Proceed pending final FAA approval; and authorize the Executive Director to execute all applicable documents.**

**Award bid for Airport Microgrid Project tree removal work to Ford Logging dba Pacific Earthscape in the amount of \$76,427.00 and issue a Notice to Proceed pending final FAA approval; and authorize the Executive Director to execute all applicable documents.**

**The motion passed with a unanimous roll call vote. Ayes: Allison, Avis, Curran, Fennell, Glaser, Miller, Wilson, Winkler, Woo. Noes: None.**

#### 7.2 RCEA Fiscal Year 2020-2021 Budget Discussion and Possible Adoption

Executive Director Marshall reported that the Board Finance Subcommittee met to review the budget in detail and described COVID impacts to electricity sales and wholesale power costs, airport microgrid project delays, and increased focus on deploying solar, storage and a larger range of projects that can be done on the customer-side of the meter. Mr. Marshall reviewed expenses by program and key projects, and the new CPUC and PG&E contracts to administer energy efficiency program funding and provide energy technical assistance to local government partners. Mr. Marshall stated that conservative assumptions were made in budget planning due to unknown impacts of COVID and potential regulatory changes. He reminded the directors that power procurement targets and the budget can be adjusted at the end of the year if needed. Costs associated with the purchase and renovation of an office building were not included in the budget and staff proposed working with the Board Finance Subcommittee to investigate possible next steps.

The directors discussed the continuing moderate reserve fund growth rate despite volatile conditions and the potential impact of new building expenses on agency cash flow. Executive Director Marshall reported that the CCE launch period loan from The Energy Authority will be repaid by June 2021.

Chair Allison invited public comment. No one came forward to speak. Chair Allison closed public comment.

**M/S: Woo, Fennell: Adopt RCEA FY 2020-2021 budget.**

**The motion passed with a unanimous roll call vote. Ayes: Allison, Avis, Curran, Fennell, Glaser, Miller, Wilson, Winkler, Woo. Noes: None.**

## **NEW BUSINESS**

### **8.1 Resolution on Racial Justice**

Executive Director Marshall presented a staff-proposed resolution supporting racial equity and suggesting actions RCEA can take to promote racial justice within the agency and in the community. The directors acknowledged the racism at the root of the current national protests and discussed what actions the agency might consider taking beyond non-biased hiring practices currently required by law. Director Glaser expressed disappointment in the proposal, refuted the existence of environmental racism in Humboldt County and stated that the resolution goes against the agency's mandate to remain neutral. Director Woo expressed interest in assisting staff on the agency's racial justice action plan.

Member of the public and alternate Board member David Grover expressed support of the resolution as an acknowledgement of wrongs currently existing in society.

Demand-Side Project Manager Derek Hilson, speaking as a member of the public, stated his support for the resolution and read action guidelines for allies of people experiencing racism.

**M/S: Miller, Avis: Adopt Resolution 2020-3 Adopting a Commitment to Racial Justice.**

**The motion passed with the following roll call vote. Ayes: Allison, Avis, Curran, Fennell, Miller, Wilson, Winkler, Woo. Noes: None. Abstain: Glaser.**

## **STAFF REPORTS**

### **9.1 Update by Executive Director Matthew Marshall on Public Safety Power Shutoff developments, the County energy resiliency bond measure and other agency news.**

Executive Director Marshall reported that PG&E determined which areas around Humboldt Bay could remain energized during public safety power shutoff events when there is no fire risk in Humboldt County. Maps of the areas PG&E will power with temporary diesel generators around Willow Creek and Hoopa were presented. Mr. Marshall described the opportunity to replace the temporary diesel generators with renewable resources which could be used under normal conditions as well as during PSPS events.

Director Glaser left 6:27 p.m.

The directors thanked PG&E and County Supervisor Bohn for working cooperatively to make progress toward avoiding another disruptive economic event.

Chair Allison invited public comment. No one came forward to speak. Chair Allison closed public comment.

## **FUTURE AGENDA ITEMS**

Director Woo requested discussion on establishing an ad hoc subcommittee to assist staff with a racial equity action plan.

Executive Director Marshall acknowledged Director Miller for his long service on the Board, stating that his contributions have been larger in scale than the percentage of the County he represented.

Chair Allison adjourned the meeting at 6:38 p.m.

Lori Taketa  
Clerk of the Board





Redwood Region Economic Development Commission  
Prosperity Center 520 E Street, Eureka, California 95501  
Phone 707.445.9651 Fax 707.445.9652 www.rredc.com

**REDWOOD REGION ECONOMIC DEVELOPMENT COMMISSION**  
**Regular meeting of the Board of Directors**  
At the Prosperity Center 520 E Street, Eureka  
**July 27, 2020 at 6:30 pm**  
**AGENDA**

**This Regular Meeting of the RREDC Board of Directors  
has been cancelled due to lack of business.**

*The Redwood Region Economic Development Commission will, on request, make agendas available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), and the federal rules and regulations adopted in implementation thereof. Individuals who need this agenda in an alternative format or who need a disability-related modification or accommodation in order to participate in the meeting should contact the Board Secretary at (707) 445-9651. Notification 48 hours prior to the meeting will enable the Commission to make reasonable arrangements for accommodations.*

**RREDC**  
**Member**  
**Agencies**

Cities Arcata · Blue Lake · Eureka · Ferndale · Fortuna · Rio Dell · Trinidad  
Community Services Districts Humboldt · Manila · McKinleyville · Orick · Orleans · Redway · Willow Creek  
Humboldt Bay Harbor, Recreation and Conservation District · Humboldt Bay Municipal Water District  
County of Humboldt · Hoopa Valley Tribe · Redwoods Community College District