

# **HUMBOLDT BAY MUNICIPAL WATER DISTRICT**

## **Board of Directors Meeting**

**December 2020**



Postcard of Ruth Dam


# Oath of Office



COUNTY OF HUMBOLDT  
Office of Elections & Voter Registration

2426 6<sup>th</sup> Street  
Eureka, CA 95501-0788  
707-445-7481  
Fax 707-445-7204

TO: Sherrie Sobol, Executive Asst/Board Secretary  
Humboldt Bay Municipal Water District  
828 7th St  
Eureka, CA 95501

FROM: Lucinda Jackson, Administrative Analyst 

DATE: November 30, 2020

SUBJECT: Presidential General Election on November 3, 2020  
**Appointments to District Boards**

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Humboldt Bay Municipal Water District has 3 four-year terms to expire on December 4, 2020. The district's Division 1 four-year term, Division 2 four-year term, and Division 3 four-year term did not go to election due to insufficient number of qualified candidates.

Elections Code, Section 10515, provides direction for special district appointments when either the number equals to or is less than the number of available seats. When the number of qualified candidates equals the number of available seats and no petition requesting an election has been filed, the Registrar of Voters is directed to request the Humboldt County Board of Supervisors to appoint those qualified candidates in lieu of an election.

On November 17, 2020, the Humboldt County Board of Supervisors considered and approved appointments to special district boards either (1) in lieu of an election, or (2) pursuant to district recommendation.

### APPOINTMENTS & ELECTION RESULTS

Based on appointment and November 3<sup>rd</sup> election results, the following Humboldt Bay Municipal Water District board seats have been filled:

Division	Term	Board Member	Type
1	4	Neal Garcia Latt	In Lieu
2	4	Sherri Lynn Woo	In Lieu
3	4	David Nils Lindberg	In Lieu

**GOVERNING BOARD MEMBER – SPECIAL DISTRICT**  
**CERTIFICATE OF APPOINTMENT IN LIEU OF ELECTION**  
Elections Code, Section 10515

I, KELLY SANDERS, Humboldt County Registrar of Voters, do hereby certify that **DAVID NILS LINDBERG** was nominated for the position of Director of the **HUMBOLDT BAY MUNICIPAL WATER DISTRICT, DIVISION 3** and that the number of candidates was equal to or did not exceed the number of offices to be filled at the Presidential General Election held on November 3, 2020. Therefore pursuant to Section 10515 of the California Elections Code the appointment was made by the Humboldt County Board of Supervisors. The term of this office is 4 years ending on the first Friday of December, 2024.

Dated: November 30, 2020  
Kelly Sanders  
County Registrar of Voters

By   
Deputy Clerk

**OATH OF OFFICE**  
Govt Code Section 1360-1363, inclusive,  
3105 Section 3, Article XX, State Constitution

I, **DAVID NILS LINDBERG**, do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

\_\_\_\_\_  
Signature Date

Residential Address:  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Signature of person administering oath

**Return signed original form to the Humboldt County Office of Elections:**  
**2426 6<sup>th</sup> Street, Eureka, CA 95501**

**GOVERNING BOARD MEMBER – SPECIAL DISTRICT**  
**CERTIFICATE OF APPOINTMENT IN LIEU OF ELECTION**  
Elections Code, Section 10515

I, KELLY SANDERS, Humboldt County Registrar of Voters, do hereby certify that **NEAL GARCIA LATT** was nominated for the position of Director of the **HUMBOLDT BAY MUNICIPAL WATER DISTRICT, DIVISION 1** and that the number of candidates was equal to or did not exceed the number of offices to be filled at the Presidential General Election held on November 3, 2020. Therefore pursuant to Section 10515 of the California Elections Code the appointment was made by the Humboldt County Board of Supervisors. The term of this office is 4 years ending on the first Friday of December, 2024.

Dated: November 30, 2020  
Kelly Sanders  
County Registrar of Voters

By   
Deputy Clerk

**OATH OF OFFICE**  
Govt Code Section 1360-1363, inclusive,  
3105 Section 3, Article XX, State Constitution

I, **NEAL GARCIA LATT**, do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

\_\_\_\_\_  
Signature Date

Residential Address:  
\_\_\_\_\_  
\_\_\_\_\_

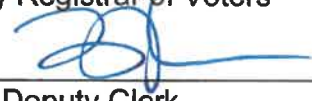
\_\_\_\_\_  
Signature of person administering oath

**Return signed original form to the Humboldt County Office of Elections:**  
**2426 6<sup>th</sup> Street, Eureka, CA 95501**

**GOVERNING BOARD MEMBER – SPECIAL DISTRICT**  
**CERTIFICATE OF APPOINTMENT IN LIEU OF ELECTION**  
Elections Code, Section 10515

I, KELLY SANDERS, Humboldt County Registrar of Voters, do hereby certify that **SHERRI LYNN WOO** was nominated for the position of Director of the **HUMBOLDT BAY MUNICIPAL WATER DISTRICT, DIVISION 2** and that the number of candidates was equal to or did not exceed the number of offices to be filled at the Presidential General Election held on November 3, 2020. Therefore pursuant to Section 10515 of the California Elections Code the appointment was made by the Humboldt County Board of Supervisors. The term of this office is 4 years ending on the first Friday of December, 2024.

Dated: November 30, 2020  
Kelly Sanders  
County Registrar of Voters

By   
Deputy Clerk

**OATH OF OFFICE**  
Govt Code Section 1360-1363, inclusive,  
3105 Section 3, Article XX, State Constitution

I, **SHERRI LYNN WOO**, do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

\_\_\_\_\_  
Signature Date

Residential Address:  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Signature of person administering oath

**Return signed original form to the Humboldt County Office of Elections:**  
**2426 6<sup>th</sup> Street, Eureka, CA 95501**

# MINUTES

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

SECTION 6.1 PAGE NO. 1



Minutes for Meeting of Board of Directors  
November 12, 2020

1. **ROLL CALL**

President Woo called the meeting to order at 9:01 am. Director Rupp conducted the roll call. 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. Regulatory Analyst Samantha Ryan, Legal Counsel Ryan Plotz and Anne Baptiste, and District Engineer Nathan Stevens were present for a portion of the meeting.

2. **FLAG SALUTE**

President Woo led the flag salute.

3. **ACCEPT AGENDA**

Mr. Friedenbach shared with the Board that he would like to make an addition to the agenda. He just became aware of the item earlier early this week after the agenda was published. Supervisor Bohn suggested the District request a letter of support from the Humboldt County Board of Supervisors for the August Complex Wildfire recovery efforts including FEMA Grant Funding request. The letter must be submitted to the Board of Supervisors by close of business today, thus the urgency and allowance under the Brown Act. The full Board concurred to add the item to the agenda. On motion by Director Rupp, seconded by Director Latt, the Board voted 5-0 by roll call vote to accept the agenda as amended.

4. **PUBLIC COMMENT**

No public comment was received.

5. **MINUTES**

Minutes of October 8, 2020 Regular Meeting

Director Latt stated he would like to modify the wording in Section 8.1 Water Resource Planning, Local Sales. He would like the sentence stating the "The MOU would state we are obligated to look at studies regarding a mainline to Trinidad Rancheria." removed and replaced with the following wording: The MOU would state that the feasibility studies would be paid for by funds deposited by the Rancheria for that purpose, without implication for whether a pipeline buildout would or would not actually occur in the future. He also suggested new wording to his comments in Section 12.1. Director Rupp stated he was opposed to this second change as he believes the original minutes accurately reflect what happened and the revised do not. On motion by Director Latt, seconded by Director Lindberg, the Board voted 4-1 by roll call vote to approve the October 8, 2020 minutes as modified by Director Latt. Director Rupp voted no.

Minutes of October 28, 2020 Special Board Meeting

On motion by Director Rupp, seconded by Director Fuller, the Board voted 5-0 by roll call vote to approve the minutes of the October 28, 2020 Special Board Meeting.

6. **CONSENT AGENDA**

President Woo pulled Item 6.2 page 1 and Director Rupp pulled Item 6.2 page 6.

On motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 by roll call vote to approve the Consent Agenda less item 6.2.

6.2 Media articles of local/water interest

Director Rupp pulled the article titled "Norwegian company secures financing for industrial-scale salmon farm in rural Nevada". He noted the article stated they will use freshwater to farm salmon. This is clearly a different process than locally where Nordic will use salt water. Director Latt commented on the irony that the project is in Humboldt County, Nevada.



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President Woo pulled the item titled “Water Quality shouldn’t be impacted by nearby wildfires, says Water district manager”. She acknowledged and thanked staff for their efforts during the fire emergency.

On motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 by roll call vote to approve Consent Item 6.2.

**7. CORRESPONDENCE**

**7.1 District letter to DTSC re: McNamara & Peepe Site Remediation**

President Woo recused herself from the discussion due to a perceived or potential conflict of interest. Vice-President Latt took charge of the meeting. Legal Counsel Anne Baptiste stated the September 24, 2020 letter from DTSC was ambiguous and contained some conflicting statements. The District’s letter is requesting clear information on the plan, noted the penny-pinching approach is detrimental to the site and well MW-5 needs to be included in their sampling. She highlighted the areas where the District needs clear answers and clarification. She stated the DTSC basically gave themselves plenty of wiggle room and the District is simply trying to narrow it down. Director Fuller stated it is a great letter and does a good job tracking our concerns. The Board concurred. Director Latt stated he appreciates that the letter is only three pages and zeros in on the District concerns. Director Lindberg stated it was helpful that all the letters in the series were attached. The Board discussed who should sign the letter and it was decided that Vice-President Latt would sign the letter. On motion by Director Lindberg, seconded by Director Rupp, the Board voted 4-0 by roll call vote to approve the letter with Director Latt’s signature. President Woo had recused herself.

**7.2 District Letter to USFS re: Mad River Watershed at Ruth Lake**

At the last Board Meeting, Director Rupp suggested staff send a letter to the US Forest Service regarding the Mad River Watershed at Ruth and the need to restore the watershed given damage from the August Complex Fire. Mr. Friedenbach shared the letter with some recommended additions focusing on timber salvage as the Forest Service has not previously conducted any forest recovery efforts from the 2015 fires in the Ruth Lake area. The headwaters are critical to the Mad River and we are prompting the forest service to action. Director Latt noted that former Director Laird was opposed to salvage logging as those trees are an important part of the ecosystem for bugs, birds, etc. and he too has concerns regarding large scale salvage logging. Director Rupp thanked Mr. Friedenbach for moving quickly on the letter. He stated he appreciated Director Latt’s comments as well. Director Fuller stated when she read the letter, she envisioned just removing the logs that were a threat to the log boom/dam. President Woo requested public comments and none were received. Mr. Friedenbach stated for him, he sees salvage logging as a safety issue. Removing dead trees before they become a threat to the log boom which could result in overtopping the dam is the priority. The concept of salvage logging also clears the way for revegetation and reforestation of the headwaters area. Director Rupp confirmed that these are dead trees that can still be marketed as timber vs leaving them to fall later and possibly do damage to structures or get into the lake and impact the log boom or dam creating a hazard. Mr. Friedenbach concurred. Director Rupp expounded on his reasons for salvage logging. Director Latt stated Director Rupp persuaded him and he agrees. It is in the best interest of the watershed to support reforestation. Director Rupp suggested a copy of the letter sent to Senator Huffman. The Board concurred on suggested changes and to copy Congressman Huffman on the letter.

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**8. CONTINUING BUSINESS**

8.1 Water Resource Planning

a) Local Sales

Mr. Friedenbach shared that Nordic Aquafarms hosted a virtual community public information meeting on November 10. He attended the meeting and reported out. A tsunami site specific study was completed for their project. Based on the study results, Nordic Aquafarms will be installing a back-up generator on their second floor to withstand potential waves. They have also modified the corners of their buildings to assist in damage prevention. They will begin CEQA studies with the County next month. Director Latt shared that the Times-Standard had an article stating that College of the Redwoods is starting an aquaculture program.

b) Transport

No update.

c) Instream Flow

Mr. Friedenbach stated the Instream flow committee met virtually with State Water Resources Control Board staff and presented our project narrative. President Woo reported out and stated it was a good meeting overall and they were able to show progress. She noted that the staff member who had been to Essex is leaving the Water Board, so some re-education will need to occur with their new staff. The District's Habitat Conservation Plan needs to be amended. The committee will meet with consultants Halligan and Kramer, then with National Marine Fisheries Service and Department of Fish and Wildlife. Mr. Friedenbach stated that our water rights attorney Mr. Aladjem is currently out on leave however, his colleague was a quick learner and able to provide valuable comments and input at the meeting.

8.2 Cannabis Impacts on the Mad River Watershed

Mr. Friedenbach shared the October 9, 2020 letter sent to the Board of Supervisors regarding Maple Creek Investments, LLC. The letter also notes the lack of response to our October 3, 2019 letter requesting to have the Mad River designated as a Critical Watershed as defined in the Humboldt County General Plan. Subsequent to sending our letter, John Ford from the Planning department and Supervisor Madrone conducted a "town hall" style meeting regarding the Maple Creek project. Our letter was brought up and Supervisor Madrone agreed to meet with Mr. Ford regarding the Critical Watershed designation.

Director Latt stated he forgot the Board previously flagged this. He received a call yesterday from a member of the Board of Supervisors asking if the Board authorized the October 9 letter. He responded no then went home and read the letter in the Board packet. He is absolutely opposed to the letter and is angry it was sent out. He now understands that it picks up from a previous letter. He went on to explain why he is angry. He feels the letter is misguided and is angry that it was sent without Board approval. He would like the Board to send a letter to the Board of Supervisors stating they were not consulted prior to the letter going out and he never wants to see another similar letter getting out.

Director Fuller stated the Board previously discussed and agreed on criteria for Board approval versus staff being authorized to send. In regards to cannabis, template paragraphs were reviewed and approved.

The Board discussed possible changes to the letter. Mr. Friedenbach requested clarification and asked if the new letter will express support for the project. After additional discussion, President Woo directed staff to withdraw the District's objections based on water usage but continue to express

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concern regarding cumulative impacts.

8.3 Disaster Declaration at Ruth Lake

Mr. Friedenbach provided an update. Staff requested assistance through the USDA-NRCS Emergency Watershed Protection Program and received a letter directing them to work with local office in Weaverville. Ms. Harris has been working on cost estimates for implementation of erosion control and staff will meet with NCRS staff at Ruth next week. Staff continues to coordinate the US Forest Service BAER team. Supervisor Bohn suggested the District request a letter of support for disaster recovery from the Board of Supervisors. Mr. Friedenbach shared the draft letter and directors recommended some additions. Mr. Friedenbach thanked the Board for their input. Director Rupp stated he was contacted by Dave Saunderson who requested a meeting with him to discuss the Ruth Lake area. If anything comes of it, he will share with the Board at the December meeting.

8.4 Draft MOU with Trinidad Rancheria

Mr. Friedenbach shared the draft Memorandum of Understanding (MOU) between the District and the Cher-Ae Heights Indian Community of the Trinidad Rancheria with the Board. The MOU was prepared by District legal counsel. The Board expressed concerns regarding the funds of \$10,000 being enough to cover costs. Ms. Jacque Hostler stated the tribe supports the well-written MOU. She concurs there is a need for a clarifying paragraph regarding what happens when funds are exhausted. She stated the tribe can advance more money as needed. The \$10,000 is show of good faith effort. Three written public comments were received from Mr. Allan, Mr. Hankin and Supervisor Madrone (on Humboldt County Board of Supervisors letterhead) and read into record. All three objected to the Section 3 of the MOU, Items (a) Evaluating and defining all potential service areas to be served or Potentially served by the mainline extension; and (b) Evaluating the water demands for the Project and growth projections of potential service areas. The letters stated the Rancheria does not represent Westhaven or Trinidad and is beyond their scope. Director Rupp stated since the tribe is paying, we should only look at services for the tribe. It is not our job to provide water to those don't want it, but it is our job to provide water to those who do. If Westhaven and Trinidad desire access to our water it should be incumbent on them to pay for studies to determine their needs. He does not believe we should table this issue as one commenter suggested. Director Latt stated his recollection is that the Westhaven general manager made a verbal statement indicating they may be interested in water for fire protection. Ms. Hostler agreed the tribe should not expend their resources for Trinidad and Westhaven. She understands and supports the Board asking those entities if they are interested in an intertie but cannot spend tribal funds on it. Mr. Friedenbach stated he believes Section 3 items a and b should remain. Staff can send a letter to McKinleyville, Trinidad and Westhaven asking about their interest in connecting to a line. Any interested parties will enter into their own MOU and share costs. Mr. Plotz stated he agrees with the comments from Mr. Friedenbach regarding items a and b. Also, it is best to keep those in if the District wishes to increase its sphere of influence with LAFCo. The Board agreed on a few clarification revisions regarding additional funds if needed to the MOU and directed legal counsel to incorporate the changes.

The Board also discussed whether or not a response was needed to the Board of Supervisors. After discussion, the Board decided not to respond to the Board of Supervisors as they believed the letter was from Supervisor Madrone as an individual and not from the entire Board, even though it was on Board of Supervisors letterhead.

Ms. Hostler stated she needs to bring a District approved MOU to her Council meeting on the 20<sup>th</sup>. On motion by Director Lindberg, seconded by Director Rupp, the Board voted 5-0 by roll call vote to approve the MOU as amended with clarifications and to send the final version to Ms. Hostler.



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8.5 Draft Employment Agreement and Position Description for Temporary Disaster Recovery staff position

Last month, the Board approved a new temporary staff position to assist with disaster recovery. Mr. Friedenbach shared the draft employment agreement and position description. He stated the last sentence in section 4d will be stricken as part-time employees do not receive holiday pay. If the Board approves the items he intends to hire Adam Jager. On motion by Director Rupp, seconded by Director Latt, the Board voted 5-0 by roll call vote to approve the Employment Agreement as modified and the Position Description.

9. NEW BUSINESS

9.1 Retail Rate Study

Ms. Ryan provided an overview of the retail rate study. She stated the industry standard is to conduct retail rate study every five years. Once the study is completed, retail rates are established by Board resolution. The District's most recent retail rate study was conducted in 2015. Retail rates were approved by Board resolution in 2016 setting the rates through June 30, 2021. She provided the timeline for the study with a proposed public hearing in April 2021 with new rates going into effect on July 1, 2021. She provided a presentation and discussed components of the retail rate study including: revenue requirement, cost of service and rate design. The Directors asked questions which Ms. Ryan responded to. Director Rupp stated Ms. Ryan did a good job, an impressive job on the presentation. Director Fuller concurred and stated Ms. Ryan presented an excellent introduction to the rate study. Ms. Harris agreed that Ms. Ryan did an excellent job. She also noted that GHD reviewed the work and there were no substantive changes. Another factor that is allowing for a more detailed rate study is the Caselle software. She thanked the Board again for the purchase of the software.

9.2 CalOES Grant Subaward

PG&E is requiring the District to upgrade the software interface from the 2 MW backup generator at Essex to the 12kV project. The cost is estimated at \$215,000. Mr. Friedenbach shared that he applied for a grant in that amount. We will have to cover the cost no matter what and a grant would pay 100%.

9.3 USFW Quagga Grant

The District recently applied for a federal grant in the amount of \$32,500 for a quagga mussel decontamination station. The grant is available to western states and not specific to California. This project had been denied by the California Boating and Waterways in their grant program.

9.4 NCRP Technical Assistance Grant

Mr. Friedenbach stated this grant was a last-minute opportunity to request technical assistance to improve forest health, fire resiliency and climate adaptability at Ruth Lake. He is hopeful we will get the grant. He noted that he did not have time to work on the grant and Ms. Simpson-Glenn and Sobol put the grant packet together and submitted it in one day. He stated that they did a very good job compiling and submitting the grant.

9.5 WIIPP Update

Mr. Friedenbach shared the revised Workplace Illness and Injury Prevention Plan (WIIPP). He noted that the plan has been reviewed by our JPIA risk consultant and suggested updates were made. Staff

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recommends the Board approve the update WIIP. On motion by Director Lindberg, seconded by Director Fuller, the Board voted 5-0 by roll call vote to approve the November 2020 updated WIIP.

**10. REPORTS (from Staff)**

**10.1 Engineering**

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

Mr. Stevens stated he received and approved pay requests six and seven. Their updated schedule was also received and he reviewed it with the Board. The retaining wall is completed and project winterized and done for now. The project will resume once the rainy season is over. Since the project is delayed, Change Order 2 was submitted. There is no monetary change associated with this change order, it is just for an amendment of the completion date from November 26, 2020 to July 30, 2021. On motion by Director Rupp, seconded by Director Fuller, the Board voted 5-0 by roll call vote to approve Change Order 2. Mr. Stevens noted that an extension will need to be requested from CalOES. They are aware of this and it shouldn't be a problem.

b) Collector Mainline Redundancy Hazard Mitigation Grant (\$790,570 District Match)  
No update.

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

Mr. Stevens stated there is progress on the preliminary design and seismic calculations.

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

This project is still on the waitlist. Since it has been on the waitlist for so long, staff decided to repackage the project and submit an NOI due on November 13, 2020 under a new disaster grant.

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

Mr. Stevens stated that despite numerous follow ups, there is still no update on the status of the appeal.

f) R.W. Matthews Dam Spillway Retrofit Scoping Project BRIC Grant

Staff is currently working on the grant. It is due on December 3, 2020. After attending a webinar regarding this grant, Mr. Friedenbach shared that if the District increases their match above the required twenty-five percent match, the project can earn bonus points, moving it up in the ranking. He noted the "bonus point" remains the same for a twenty-six or forty percent match. Given this, he updated the District's match commitment letter to show a match of twenty-six percent. On motion by Director Rupp, seconded by Director Latt, the Board voted 5-0 by roll call vote to approve the new match commitment letter of twenty-six percent.

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

**10.2 Financial**

Ms. Harris provided the October 2020 financial statement & vendor detail report. She noted that a surplus vehicle was sold and highlighted a few other areas of the report. She noted that overtime is very high and this is due to the fires in the Ruth area. She shared that currently, the District has three active grants and six in various stages. Of the six, four are being handled in house. Director Rupp inquired if the District was reducing our costs to ratepayers by doing the grants in house. Ms. Harris confirmed this. Director Fuller reviewed the bills and stated all was in order. She noted reviewing bills is always a good peek to see what's going on. She could tell a great deal of staff

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time has been going towards the fire emergency. On motion by Director Rupp, seconded by Director Fuller, the Board voted 5-0 to accept the financial report and vendor statement in the amount of \$410,222.38.

10.3 **Operations**

Superintendent Davidsen provided the October operational report. The maintenance crew was out at Ruth quite a bit due to fire related activities. They finished the temporary repairs on the water system to headquarters and the cabin, replaced log boom hardware and installed straw wattles to help lessen erosion. The slide gate structure and plunge pool at the dam were also inspected. Mr. Davidsen attended the virtual AWWA Fall conference and was able to participate in several technical sessions. The quarterly SB 198 safety meeting was conducted as well. President Woo asked Mr. Davidsen to please pass on big thank you to all his staff. They have really done well during fire emergency on top of COVID-19 and everything else going on.

11. **MANAGEMENT**

**CSDA 2019-2020 Legislative Statistics**

Mr. Friedenbach included the legislative statistics to show that CSDA is lobbying for Special Districts.

12. **DIRECTOR REPORTS & DISCUSSION**

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

Director Rupp shared that he has been invited to participate in the Watershed Alliance, a group of districts with burnt watersheds. Both he and Mr. Friedenbach will participate.

Director Lindberg inquired if the District should be concerned about the New Zealand Mud Snails. Will they affect our untreated water supply? Mr. Davidsen also expressed some concern about the industrial water system. He stated they could potentially become a problem with the screens. In regards to the domestic water system however, he has no concerns about the mud snails.

President Woo requested a policy on public comments and cannabis response be added to the December agenda.

President Woo noticed a member of the public that wanted to comment. She explained the ways for the public to engage in the meeting, whether it be an agendized or non-agendized item. She made an exception and went ahead and received the public comment at this time. The speaker Liz stated she was opposing a commercial cannabis grow in the Maple Creek area. She stated a rain catchment system with seven thousand square feet of tanks and surfaces is a concern.

12.2 **ACWA**

Nothing to report.

12.3 **ACWA – JPIA**

a) **JPIA HCSD PowerPoint**

Director Rupp shared the HCSD Insurance plan power point. HCSD has requested this from JPIA and the District can do the same and have a presentation tailored to our plan options.

b) **2020 Fall Virtual Board of Directors Meeting**

Director Rupp stated he will be attending the meeting and invited the Board and staff to attend.

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

a) **RCEA**

Although costs are increasing, the CCA through RCEA will still be able to provide energy at costs

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less than PG&E.

b) RREDC

Nothing to report, meeting was cancelled.

**ADJOURNMENT**

The meeting adjourned at 3:02 pm

Attest:

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

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

DRAFT

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



Minutes for Meeting of Board of Directors  
October 08, 2020

1. **ROLL CALL**

President Woo called the meeting to order at 9:00 am. Director Rupp conducted the roll call. 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. Legal Counsel Ryan Plotz and Anne Baptiste and District Engineer Nathan Stevens were present for a portion of the meeting.

2. **FLAG SALUTE**

President Woo led the flag salute.

3. **ACCEPT AGENDA**

Mr. Friedenbach stated staff would like to pull Item 8.1a the Mainline Extension Agreement. Also, staff would like to add an Agenda Item 9.3 Emergency Watershed Protection Program -discuss and possibly approve. Yesterday after a conference call with staff from the Natural Resource Conservation Service, Mr. Friedenbach became aware of potential funding opportunity from their Emergency Watershed Protection Program. This is time sensitive and must be acted on immediately if the District is to pursue funding. On motion by Director Rupp, seconded by Director Lindberg the Board voted 5-0 by roll call vote to add the agenda item as it meets the required criteria for adding an item to the agenda. On motion by Director Latt, seconded by Director Fuller, the Board voted 5-0 by roll call vote to accept the agenda as modified with the deletion of Item 8.1a and the addition of Item 9.3.

4. **MINUTES**

On motion by Director Rupp, seconded by Director Fuller, the Board voted 5-0 by roll call vote to approve the minutes of the September 10, 2020 Board meeting and Special Board meeting of September 16, 2020.

5. **PUBLIC COMMENT**

No public comment was received.

6. **CONSENT AGENDA**

On motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 by roll call vote to accept the Consent Agenda.  
Director Lindberg expressed a big debt of gratitude to the firefighters at Ruth and the August Complex.

7. **CORRESPONDENCE**

7.1 **US Department of Interior**

Mr. Friedenbach stated the District received a letter from the US Department of the Interior regarding a proposed designation of the Lanphere and Ma-le'i Dunes as a National Natural Landmark (NNL). He submitted a public comment letter stating that the District is generally supportive of the NNL designation. The letter also pointed out the District has recorded easements across the proposed NNL and will need to use the easements to continue to perform recurring maintenance at some point in the future, conduct ground disturbing activities with heavy equipment to replace the aging infrastructure. The District will not relinquish any legal rights contained within the recorded easements or other previously reached agreements with the Bureau of Land Management. Mr. Friedenbach has since learned the public hearing to discuss this matter was cancelled, largely due to our letter. It is expected to be on the agenda again in December. He will again, express support while reiterating our rights. The Board discussed Resolution 64 that provided protection of fish resources in exchange for a grant of right-of-way from the Bureau of Land Management. It is from this document that the District's minimum flows are derived. Director Fuller thanked staff for the documents provided as she learned a lot.



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7.2 DWR IRWM Grant Post Performance Report

Mr. Friedenbach shared the third and final Post Performance Monitoring Report for the Collector 1 and 1A Lateral Replacement project and stated the laterals are performing well. The purpose of sharing this is to show that the District is in compliance with grant requirements.

7.3 Department of Parks and Recreation Quagga Grant 2019/20

The District applied for a Quagga and Zebra Mussel Infestation Prevention Grant from the Department of Parks and Recreation and was awarded the grant in May for \$24,000. \$3,700 is for Prevention Plan supplies purchased by Ruth Lake CSD, \$20,000 is for boulders to prevent unlawful access to the lake and \$300 is for administrative costs. A new resolution with the amount of funding awarded is required in order to receive the grant. Staff recommends approval of Resolution 2020-09: Quagga/Zebra Mussel Infestation Prevention Grant Program Application and Funding Agreement 2019/20. Director Lindberg suggested a wording change to Item 1 under Now Therefore Be It Resolved to clarify what is occurring. On motion by Director Lindberg, seconded by Director Fuller, the Board voted 5-0 by roll call vote to approve the resolution as modified.

7.4 Division of Safety of Dams Critical Appurtenant Structure (CAS Failure) Inundation Modeling

Mr. Friedenbach stated the CAS Spillway failure only inundation maps were submitted the Division of Safety of Dams as required. As previously noted, there is now a third set of maps, which will likely complicate things, especially since if the spillway fails, the dam will most likely fail. Director Rupp asked if the CAS maps need to be included in the Emergency Action Plan (EAP) since they are a source of confusion if the dam fails. Mr. Friedenbach stated it is required that the CAS maps be included in the EAP and he agreed it will likely cause confusion. In the unlikely event of a dam failure, phone calls are made and District staff will indicate which maps to use given the situation.

8. CONTINUING BUSINESS

8.1 Water Resource Planning

Local Sales

Mr. Friedenbach stated a meeting with Nordic is planned for next week. He will report out at the November Board Meeting.

In regards to the Trinidad Rancheria, Item 8.1a: Mainline Extension Agreement was pulled from the agenda. District Counsel suggested a Memorandum of Understanding (MOU) would be the appropriate next step. He stated studying the feasibility of a mainline extension is appropriate with an MOU. If the project is deemed feasible, then a mainline agreement can be considered. The MOU would state that the feasibility studies would be paid for by funds deposited by the Rancheria for that purpose, without implication for whether a pipeline buildout would or would not actually occur in the future. The Mainline Agreement as currently drafted states we are doing the pipeline to Trinidad Rancheria. Mr. Friedenbach stated a draft MOU will be shared at the November meeting.

Transport

There is no update on the transport option.

Instream Flow

Mr. Friedenbach stated the committee and consultants met to discuss amending the Habitat Conservation Plan. A meeting is also scheduled with the State Water Resources Control Board to discuss the dedication of instream flow. Director Fuller stated it was a good meeting, they are on common ground and have lots of work ahead. President Woo concurred and stated the consultants feel they still have enough money from the grant to continue. This is positive news.

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8.2 CLOSED SESSION: Conference with Legal Counsel – Anticipated Initiation of Litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9 (DTSC)

President Woo recused herself due to a perceived conflict and was sent to the waiting room. Vice-President Latt took over the meeting and the remainder of the Board entered into closed session at 1:01 pm. At 1:50 pm the Board reconvened to open session. Vice-President Latt reported out that no action was taken. Going forward, McNamara and Peepe/DTSC land discussions will be in open session with the exception of potential litigation.

9. NEW BUSINESS

9.1 Disaster Declaration at Ruth Lake -Resolution 2020-08

Mr. Friedenbach shared a “red-lined” version of the Resolution declaring an emergency at Ruth Lake due to the devastating wildfires. The District’s Headquarters buildings water supply system is a total loss, extensive revegetation will need to occur and there is concern regarding the potential of chemicals entering the lake via rain runoff from burn debris. He reviewed the suggested red-lined changes. Director Latt expressed clearly that he does not want District funds used to clean up any private lots. This is a strong concern of his and stated again, he does not want to assist private owners with any District funds. Legal Counsel Plotz stated the Public Contracts Code requires Board oversight. The Board has an obligation to ratify any actions taken.

On motion by Director Rupp, seconded by Director Latt, the Board voted 5-0 by roll call vote to approve Resolution 2020-08. Director Rupp stated passing the Resolution has the potential to reduce District costs. Mr. Plotz stated that’s a good comment. The Resolution also allows for federal and state funding opportunities. Director Rupp stated it’s heartbreaking how much damage has occurred to both public and private property and the forest. His heart goes out those who have lost property. The Board echoed the sentiment. A member of the public inquired what is the obligation of a leaseholder to remove dead trees and what is the timeline. Mr. Plotz stated this a topic not on the agenda, and he should call the District to arrange a time for discussion as the response may vary on a case by case basis. Director Latt replied that the term case by case could be misleading. It implies the District does not have a uniform policy when there are specific obligations noted in the lease. He does not want the public to think the District is showing favoritism regarding clean up on a case by case basis. Mr. Plotz clarified that his point of case by case basis was there may be cases where it is in the District or Public’s best interest for the District to step in. At this point, it is unknown.

9.2 Reforestation & Debris Removal on District Property at Ruth Lake

The District owns roughly 3,000 acres of land around Ruth Lake. The original plan was to raise the dam height in order to serve the projected population growth of Humboldt County. The population growth did not occur and the District retained the land intended for reservoir expansion. This is why the District has a large amount of property at Ruth Lake. The August Complex Fire is still ongoing and many structures and trees are burned. Staff is concerned regarding possible contaminated run-off getting into Ruth Lake. Mr. Friedenbach stated staff is requesting \$100,000 in funding for debris removal and containment. Staff is also requesting additional \$100,000 for revegetation of District owned property around Ruth Lake to help lessen erosion to the lake. Staff will continue to pursue all disaster recovery reimbursement and funding options through state and federal programs to obtain as much reimbursement for expenditure of District funds as possible. Director Latt reiterated he does not want any gifting of public funds to occur. Director Rupp stated he agrees with Director Latt, but noted there may be situations where it is in the best interest of the District or public as noted previously by Legal Counsel Plotz to expend District funds for this purpose. Director Fuller concurred and stated it is imperative the District move quickly to prevent erosion and contamination. A member of the public stated he is anxious to clean his lease site and needs the District to provide guidance. He also

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inquired if structures that were not above the twenty-five-foot line will be grandfathered in again (Note: actual set back is elevation not less than 2,675 ft.).

Mr. Friedenbach stated the District will follow guidelines from CalOES and Trinity County OES for debris removal. In regards to grandfathering in previous structures, that is a policy decision the Board will need to make at a later date. Director Latt stated he appreciates lease holders attending the meeting and looking for guidance. He also added that any improvements to lease sites are the responsibility of the lease holder. Also, the District did not introduce any hazardous waste to the lease sites, therefore, it is the responsibility of the lease holder to remove any such debris.

On motion by Director Latt, seconded by Director Rupp, the Board voted 4-0 by roll call vote to approve the additional funding requests totaling \$200,000. Director Lindberg abstained since he was having computer technical difficulties and did not hear much of the discussion.

9.3 Emergency Watershed Protection Program -Natural Resources Conservation Services (NRCS)

Mr. Friedenbach stated this is the item that was added this morning that requires immediate action. Yesterday, he and Ms. Ryan participated in a phone call with staff members of Natural Resources Conservation Service. One program available through NRCS is the Emergency Watershed Protection Program (EWP). The program is designed to help reduce imminent hazards to life and property. The EWP can pay up to 75 percent of the cost of emergency measures. Typical work includes removing debris from stream channels, culverts and bridge abutments; reshaping and protecting eroding banks; correcting damaged drainage facilities; or reseeding a damaged area. All projects undertaken through the EWP are done in conjunction with a sponsor, such as the District. Mr. Friedenbach added he just received the sponsor template at 7pm last night. He shared the proposed letter to NRCS requesting assistance under the EWP as a sponsor. Director Lindberg stated this is a good opportunity and the District should move quickly. Director Fuller concurred it sounds like a good fit for our needs. Mr. Friedenbach noted the District would pay costs up front and then get reimbursed less the District's portion of the required 25 percent match.

On motion by Director Lindberg, seconded by Director Fuller, the Board voted 5-0 by roll call vote to be a sponsor and to submit the request to participate in the EWP. Director Rupp suggested President Woo send a letter to the USFS requesting they begin the revegetation process quickly.

10. REPORTS (from Staff)

10.1 Engineering

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

Mr. Stevens reported the retaining wall is done and the contractors are working on backfilling, then will winterize the site. Work will be completed after the rainy season. He should have a new schedule by the end of the week and will use that to request a grant extension, especially since PG&E has not yet approved the 12 kV switchgear.

GHD contract

Mr. Friedenbach stated as the Board is aware, Mr. Stevens has been providing monthly updates on projects. Due primarily to the Covid-19 pandemic and its effect on the business operations of many participants in the 12kV project, the construction period is continuing to extend well beyond the original three-month period anticipated in the grant application. It is now anticipated the project should be completed by the end of summer 2021 barring any unanticipated delays. GHD has provided a proposed contract amendment in the amount of \$151,000 after providing a credit write-off of \$21,000 for services already performed. Staff has reviewed and discussed the request in detail with GHD staff and principals and conclude the amendment is reasonable. This project is

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the heart and soul of our pumping operations at Essex and is very complex. Staff will request additional grant funding to cover the additional costs. Staff recommends approval of the contract amendment with GHD in the amount of \$151,000.

Director Rupp stated over all the years in dealing with Winzler & Kelly, now GHD, this is the first time he feels the District was not well served by our engineers. After reviewing the memorandum from GHD he questioned whether or not GHD is capable of dealing with PG&E and has the capacity to design the project. Mr. Stevens stated he hears the concerns and confirmed that GHD does have the ability to design the project and feels a good design was put forth with input from the District. The project design allows for future capital projects and will last a long time. He acknowledged that some of the items were not initially included in the design and as a result, are not charging for the \$21,000 effort put forth to include them. In regards to coordinating with PG&E, GHD brought in their electrical professional. Colburn Electric is the subcontractor and they are qualified to do the job. He is confident in the ability of Colburn Electric. After additional discussion, Mr. Stevens added he appreciates hearing the feedback and will learn from it and takes ownership for not including future items in the original plan. Directors Rupp and Latt stated they appreciate Mr. Stevens transparency, integrity and candor. Director Latt added he still has an issue with the amount of increase requested. Director Fuller stated the discussion was very helpful. President Woo stated the contract showed an assumption of three months to complete, and the project has now gone on for nine months. She appreciates the relationship the District has with GHD. Director Rupp added that Winzler & Kelly/GHD has brought millions of dollars to the District via grants.

On motion by Director Rupp, seconded by Director Lindberg, the Board voted 4-1 by roll call vote to approve the contract amendment in the amount of \$151,000. Director Latt voted no.

Mr. Stevens stated he appreciates the discussion. He is not in the business of trying to get additional money when it's not needed. He is a community member and does not want to see his water rates increase due to excess costs. He has the best interests of the District in mind.

- b) Collector Mainline Redundancy Hazard Mitigation Grant (\$790,570 District Match)  
Mr. Stevens stated he anticipates Phase I funding should be available this fall.
- c) Reservoir Structural Retrofit Hazard Mitigation Grant (\$914,250 District Match)  
Mr. Stevens shared that they are getting ready to move forward on a preliminary design.
- d) TRF Generator Hazard Mitigation Grant (\$460,431 District Match)  
Mr. Stevens stated he previously reported the project was moved off the waitlist. He has since learned there was a miscommunication and the project remains on the waitlist for funding.
- e) Appeal of FEMA Funding Denial for Collector 4 Emergency Restoration Work  
Mr. Friedenbach stated he reached out to Ms. Hicks of FEMA and has not received a response yet. He also contacted another person at FEMA regarding the appeal and again no response. He will follow up again.
- f) R.W. Matthews Dam Spillway Retrofit Scoping Project BRIC Grant  
Mr. Friedenbach stated FEMA introduced a new grant program this past summer called BRIC (Building Resilient Infrastructure and Communities). This basically replaced the Pre-Disaster Mitigation Program (PDM). With the introduction of the BRIC program this summer, and the requests from both FEMA and DSOD for the completion of several of the engineering

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investigative analysis, staff directed GHD to "re-package" our previous PDM NOI into a BRIC NOI. Several of the items included in the PDM NOI were excluded from the BRIC NOI. The BRIC NOI total project amount is \$3,704,640 with a District match of \$926,160. Mr. Friedenbach reviewed the proposed projects included. The District's BRIC NOI has been approved. Therefore, we have been invited to submit a grant application. As discussed, both FERC and DSOD are now requesting that the District perform seismic and spillway failure analyses. Consequently, staff strongly recommends that the Board authorize submission of a grant application under the BRIC program. If successful, this grant funding will pay for 75% of the costs of these analyses. Although the District will have a significant 25% match requirement, staff proposes to fund the match as follows: 1/3 from REMAT Reserves; 1/3 from General Reserves; and 1/3 from our rates/project budget. The grant application is due December 18, 2020. It usually takes 6 to 12 months for an application to be approved. Therefore, if approved, we would begin our match funding during our FY21/22 fiscal year. Staff requests the Board authorize submission of a grant application in the amount of \$3,704,640 with a District match of \$926,160 under the Federal BRIC program to fund various R.W. Matthews Dam related engineering and technical studies.

After a brief discussion, on motion by Director Lindberg, seconded by Director Rupp, the Board voted 5-0 by roll call vote to authorize staff to submit a BRIC grant application in the amount of \$3,704,640.

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

10.2 **Financial**

Financial Report

Ms. Harris provided the September 2020 financial report. She noted the bank balance appears high, however, just over one million has been moved to an interest-bearing account. Also, encumbered funds make up a large portion of the account balance. She highlighted other areas of the report and inquired if there were any questions. No questions were received. Director Rupp reviewed the bills and stated there were no discrepancies. On motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 by roll call vote to approve the September 2020 financial statement and vendor expense detail in the amount of \$239,992.67.

Interest Apportionment March 2020

Ms. Harris shared the County Interest Apportionment Rate report for balances January – March 2020. The report is way behind schedule and per the letter it is because "this office can only apportion interest once the Auditor's office closes the books each quarter; hence the delay.". It is because of this delay the District can't move it funds, as there is not an accurate accounting at this time.

10.3 **Operations**

Mr. Davidsen provided the September Operational Report. On September 6 the fires at Ruth began spreading rapidly. The next day the hydro plant was shut down for two days for a planned PSPS event. The Ruth Hydro Operator evacuated headquarters due to the fire on the 8<sup>th</sup> and began staying at the Hydro Plant. On September 28 the fires flared up again and all of Ruth was evacuated and the Hydro Plant was evacuated and shut down since the electrical lines were burnt. Training included first aid/CPR, and a 10- hour OSHA safety training. Safety meeting topics included PPE and blood borne pathogens. Scott Gilbreath, the district engineer with the State Water Quality Control Board, Division of Drinking Water called to see how the District was doing with the fires. The call was

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very much appreciated.

In regards to the fire, he stated his crew are currently placing wattle insulation at burned out lease lots where contaminants could flow into the lake. Twenty five percent of the watershed is above the lake and most of all if is affected by the fires. He shared several photos of fire damage to headquarters and the lease lots. Mr. Davidsen said he has been communicating with Mr. Gilbreath about water quality concerns. Mr. Gilbreath is not overly concerned regarding VOC's (volatile organic compounds) in water as these should dissipate by the time the water reaches our diversion point at Essex. Aeration eliminates the majority of VOC's and the District's water travels seventy-five miles from Ruth to Essex and then is drawn up through aquifers. Mr. Davidsen stated he will still continue extra testing to be diligent.

President Woo stated she appreciates all that Mr. Davidsen and his staff do. They go above and beyond as always, no matter the situation. She asked Mr. Davidsen to please convey the Board's appreciation to all his staff. Director Latt concurred and requested Mr. Davidsen let them know they are heroes.

11. MANAGEMENT

Ruth Fire

Mr. Friedenbach stated he included this item here in case any additional discussion regarding the fire was needed. Ms. Canale, Ruth Lake CSD General Manager stated she is still evacuated as are four of their five board members. Both their September and October board meetings had to be cancelled. The Barlow campground saw a lot of damage but the Marina and Ruth Rec campgrounds did fairly well. Director Rupp commented he hoped their Board of Directors homes survived. Mr. Davidsen stated he believes one of the reasons headquarters was saved because the structure was wetted down and the sprinklers were left on when Mr. Raschein evacuated. He believes this is a major factor why the District structures survived those around did not. Mr. Canale stated he too believes his home was saved because the structure and surrounding grounds were wetted down and his family assisted with fire suppression around his home.

12. DIRECTOR REPORTS & DISCUSSION

12.1 General -comments or reports from Directors

Director Fuller stated that the biologist for the Blue Lake Rancheria found a large amount of New Zealand Mud Snails in the Mad River. This is very concerning.

President Woo was an Equity Alliance Panel at Humboldt Area Foundation. It was a good event, she learned a lot and represented the District.

~~—Director Latt stated he does not want to see any public comment in between or prior to the Board meeting. Director Rupp stated public comment can't be stifled. Director Latt clarified he has issues when staff is requested to forward public comments to the Directors. Those who wish to comment should email the Directors and not go through the District staff.~~

~~Director Latt stated he believes it is not appropriate for staff to forward comments from members of the public to directors between meetings of the District Board. Staff should direct members of the public to the District website containing individual director email addresses so that members of the public can do so themselves, as always. That way we avoid the appearance of the District showing favoritism to certain public comments.~~

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12.2 ACWA

Director Rupp stated the Fall Conference will be virtual this year December 2-3.

12.3 ACWA – JPIA

Open Enrollment

Mr. Friedenbach stated Open Enrollment is coming up. Although the Directors don't have medical through the District, they do have dental and vision. If they have any changes needed, now is the time to start thinking about it. Information is available on the District intranet.

Director Rupp stated the JPIA portion of the Fall Conference will be on November 30. He reported out on the Employee Benefits meeting. There will be no increase to dental and vision premiums. For those on a PPO health plan, there will be no premium increase. For those on the HMO plan, they will see a six percent increase in premiums. Those enrolled in the HSA program can now contribute an additional \$1,000 if the employee is over 55.

12.4 Organizations on which HBMWD Serves: RCEA, RREDC

RCEA

President Woo reported RCEA met in September. The agenda is available for reference. She stated things are going well at RCEA. The community advisory committee's most recent members are two young adults. She is happy to see younger adults interested as they may become future board members and be more involved.

RREDC

Director Latt reported out on his attendance at the RREDC meeting. Gregg Foster mentioned that emergency business loans are available through RREDC and he shared that flights to Denver have resumed service on Saturday and Sunday, one departure per day. Director Rupp added that Mr. Foster has done a great job supporting the airport. Director Latt concurred.

Connie Stewart, Executive Director of Initiatives at Humboldt State University was the guest speaker and she provided a broadband update. She shared that T-Mobile was close to deploying 5G at the Humboldt County Fairgrounds in Ferndale. The Trans Pacific line will be deployed with the terminus in Arcata. Humboldt State University and College of the Redwoods are positioning themselves to make the most of the connectivity. Her takeaway was that regional bandwidth will be increasing substantially in Humboldt County in the near future. As a result, the County may see more people relocating here to work and live since they will be able to work remotely with the increased bandwidth. With the potential increase in population, housing should be looked at. Director Rupp stated that from a housing perspective there is about a month and a half of inventory available which is low.

ADJOURNMENT

The meeting adjourned at 3:23 pm.

Attest:

\_\_\_\_\_

\_\_\_\_\_

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Sheri Woo, President

J. Bruce Rupp, Secretary/Treasurer



**CONSENT**

**HUMBOLDT BAY MUNICIPAL WATER DISTRICT**

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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

November 12, 2020

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

***RE: McNamara & Peepe Lumber Mill Site Investigations and Remediation***

Dear Ms. Prowell and Ms. Yuen,

Thank you for taking the time to meet with the Humboldt Bay Municipal Water District (District) on September 10, 2020 and for your letter dated September 24, 2020 (Sept. 24<sup>th</sup> Letter). The District appreciates your consideration of its concerns related to the potential for contamination arising from the former McNamara and Peepe Lumber Mill Site (Site) to migrate into the Mad River and contaminate the District's water supply.

With respect to investigation and remediation activities at the Site, the District understands that DTSC seeks to stretch funds as far as possible. However, the District has valid concerns that the heavy emphasis on minimizing and avoiding costs is in fact causing delays and ultimately increasing expenses as work at the Site has to be redone. For example, in 2019, a deficient remedial action plan (2019 RAP) — budgeted at \$25,000 — was submitted to DTSC. DTSC was unable to approve the 2019 RAP, and the work had to be repeated by a different contractor this year, clearly resulting in a significant delay and added expense at a site with a very limited budget. In another example, DTSC's use of inappropriately high detection limits in August 2019 in sampling for dioxins failed to close a data gap and instead led to significant confusion and controversy. Thus, the District stresses that investing in better quality and more complete data going forward is the best option to protect public health and fulfill your fiduciary responsibilities.

After reviewing your Sept. 24<sup>th</sup> Letter, the District requests DTSC provide clarification on a number of points outlined below. Also, as discussed in greater detail below, the District demands that MW-5 be reinstalled or rehabilitated prior to the next sampling event so that it can be included in the sampling. Additionally, there should be no question whether surface water sampling will occur.

**1. MW-5 must be rehabilitated or reinstalled prior to the next sampling event.**

The well cap for MW-5 was found to be rusted shut during the August 2019 sampling event. Since it is just the well cap, has DTSC considered rehabilitating the well cap in order to continue to sample from the existing monitoring well? Rather than rehabilitating the well cap, DTSC states WM-5 will be reinstalled during the next sampling event. Because DTSC has known that the well cap has been rusted shut since August 2019, it is unacceptable that MW-5 has not already been reinstalled or rehabilitated, and it must be *prior to* the next sampling event. MW-5 is located in a critical position because it is directly south and downgradient of the former Green Chain. Further, it is adjacent to the drainage ditch which flows into Hall Creek and then to the Mad River. Data from MW-5 is crucial to the understanding of how the plume is moving towards the Mad River and the District's drinking water supply. Thus, the District demands that MW-5 be reinstalled (if it cannot expediently be remediated) prior to the next sampling event and included in the wells to be sampled, so another year does not pass without obtaining data from that monitoring well. The District also seeks confirmation that MW-5 will be reinstalled in place, given its critical location.

**2. Surface water must be sampled and be subject to the same cleanup goal as groundwater.**

It is imperative that surface water be sampled, and the District seeks confirmation that it will be. DTSC has recognized that "the Mad [R]iver is a threatened resource" in light of the potential for the adjacent tributary streams to become contaminated with surface water runoff. Likewise, given groundwater and surface water seasonally interact at the Site, the drainage ditch could become contaminated if fed by contaminated groundwater when the water table is elevated during intense and sustained rainfall events. This would also provide a pathway for contamination to migrate to the Mad River and the District's drinking water supply. Thus, it is clear surface water must be tested. However, while Paragraph 1 states that it will be included in the scope of work, paragraph 6 says the scope of work will "potentially include[e] surface water sampling during a storm event." Please confirm surface water will be tested for PCP, TCP, and dioxins.

The District welcomes DTSC's agreement that the public health goal (PHG) for dioxin must be applied to groundwater at the site. The District requests that DTSC confirm that it will apply the PHG to surface water as well. Since surface water may provide the most direct route for contamination to reach the Mad River and the District's drinking water supply, its cleanup goal must also be the PHG.

**3. The scope of the pilot study and remediation method are unclear.**

The District requests a number of clarifications regarding the proposed pilot study. The Sept. 24<sup>th</sup> Letter states that the pilot study will "potentially" evaluate the efficacy of different groundwater amendments for in-situ bioremediation of dioxins. Thus, the District requests clarification as to whether the pilot study will address dioxin remediation. If it is not guaranteed that the pilot study will evaluate remedial actions with respect to dioxins, DTSC must provide an explanation as to why not and what factors are considered in the decision. For instance, if the level of dioxin contamination will be determinative, what level of contamination by dioxins does DTSC require before determining remediation is necessary? This information should be clearly provided to the District and its customers. The District additionally requests that DTSC clarify what detection limits will be used during the pilot study.

Relatedly, the Sept. 24<sup>th</sup> 2020 Letter only discusses remediation of groundwater. The source of the groundwater contamination is the contaminated *soil* beneath the cap. Accordingly, to prevent ongoing contamination, the soil itself must be remediated, not simply the groundwater. Otherwise, groundwater will become re-contaminated each time the water table rises, bringing groundwater into contact with the contaminated soil. Please clarify whether remediation is intended to address soil contamination as well or what the rationale is for targeting groundwater alone. Additionally, the District requests that DTSC provide it with the results of the bench study and an opportunity to provide input before moving forward with the pilot study.

**4. It is still unclear whether DTSC intends to use an appropriate detection limit for dioxins at MW-10.**

The District remains concerned regarding the detection limits to be used for dioxins. Paragraph 5 suggests the PHG of 0.05 pg/L will be used for investigations at MW-10, but the letter is far from clear. Paragraph 9 simply commits to using a detection limit lower than 10 pg/L; there is a large margin between 10 pg/L and the PHG of 0.05 pg/L or the 0.155 pg/L that the District requested.

Pursuant to past sampling, the presence of dioxin has already been established such that more quantifiable data is needed at MW-10. The District remains concerned that an improper detection limit could easily be used to misrepresent risk and to defend decisions to curtail future investigations or to undertake a remediation method which does not address dioxins. Given how rarely groundwater testing is occurring,<sup>1</sup> the high toxicity of dioxins at extremely low concentrations, and DTSC's commitment to using the PHG as the cleanup goal, DTSC must obtain highly accurate and informative results now to best inform future decisionmaking and to avoid further delays and confusion. For all these reasons, the District would like DTSC to confirm that it will use a detection limit of 0.155 pg/L or less at MW-10, as the District requested while maintaining consistency with the cleanup goal.

**5. The 2020 Five-Year Review must be revised to accurately reflect events at the Site.**

The 2020 Five-Year Review states that in July 2019 DTSC accepted the 2019 RAP prepared by Apex Companies. The 2019 RAP is not posted on EnviroStor. As noted above, DTSC has clarified that it found the 2019 RAP did not meet its standards and was not approvable. However, the 2020 Five-Year Review indicates that the 2019 RAP was viable and would be further amended upon completion of the bench scale and pilot study.<sup>2</sup> The Five Year-Review must be revised to reflect that the 2019 RAP was deficient and, therefore, was not approved. The Five Year-Review reports provide a comprehensive summary of the Site's history both for DTSC and the public, so it is critical that they accurately reflect the record of events.

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<sup>1</sup> Six groundwater monitoring events have taken place since the 2014 Five-Year Review. While groundwater monitoring occurred twice in 2015 and 2016, it was only sampled once in 2017 and once in 2019. It was not sampled in 2018 and has not been sampled in 2020.

<sup>2</sup> Section 4.4 of the 2020 Five-Year Review states:

Apex prepared a draft RAP Amendment which was accepted by DTSC in July 2019. The RAP Amendment presented EISB as the selected remedial alternative. EISB would be implemented through the injection of substrate(s) for source reduction at the Site and as migration control at transects placed across the groundwater plume. DTSC will revise the RAP Amendment to identify the groundwater amendments pending the results of the planned bench scale test and pilot study.

Additionally, as mentioned in our letter dated July, 23, 2020, two statements in section 5.3 of the 2020 Five-Year Review need to be corrected:

- i. Section 5.3 states: “Groundwater samples were analyzed for PCP and TCP for all six groundwater monitoring events. Supplemental groundwater analyses were conducted during select monitoring events (Table 2).” The reference should be to Table 3, not Table 2. Table 3 provides the groundwater analytical results from 2015-2019, whereas Table 2 provides historic groundwater elevations.
- ii. Section 5.3 also discusses the results from the six groundwater monitoring sampling events from November 2014 to November 2019. In part, it states: “MW-1 and MW-12 both had their highest detections of PCP during the May 2016 sampling event at 1,100 µg/L and 120 µg/L, respectively.” This is incorrect with respect to MW-1. MW-1 did not have its highest detection in May 2016, nor was its highest detection 1,100 µg/L. Rather, in August 2019, its PCP concentration reached 1,200 µg/L.

The District thanks you in advance for making these corrections and reposting to EnviroStor as was done with the PCP and TCP data in the December 2019 Final Groundwater Monitoring Report.

Thank you for your time and attention to this matter. Please do not hesitate to contact us with any questions or concerns.

Respectfully,



Neal Latt  
Board Vice-President

cc: 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

## LATEST HEADLINES

# Water district, tribe discuss service deal for Trinidad hotel project

Coastal Commission said wells not sufficient for hotel



The Humboldt Bay Municipal Water District is considering an extension of water service to the Cher-Ae Heights Indian Community of the Trinidad Rancheria to supplement water for various projects, namely the planned Hyatt hotel. (Contributed)

By **ISABELLA VANDERHEIDEN** | [ivanderheiden@times-standard.com](mailto:ivanderheiden@times-standard.com) |  
PUBLISHED: November 12, 2020 at 2:40 p.m. | UPDATED: November 12, 2020 at 2:40 p.m.



The Humboldt Bay Municipal Water District agreed on Thursday to send a draft of an agreement to the Cher-Ae Heights Indian Community of the Trinidad Rancheria to pursue a feasibility study for an extension of water service.

The tribe made the request for water service from the district after the California Coastal Commission deemed the tribe's water supply inadequate for the proposed multi-story Hyatt hotel at the Cher-Ae Heights Casino.

According to an Oct. 30 letter from the Coastal Commission's executive director, John Ainsworth, "...my conclusion is that based on the provided information, the proposed water source for the hotel is not consistent with Section 30250(a) of the Coastal Act, and that the Commission's condition has not been met."

"The Limited Evaluation indicates that the two wells would not provide sufficient water for the hotel at full occupancy," the letter reads. "...Even assuming the most optimistic water yield (i.e., the maximum yield from the wells is 12,960 (gallons per day), but the hotel requires 14,184 (gallons per day) at full occupancy)."

Despite this decision, the Trinidad Rancheria is moving forward.

As written in the draft agreement presented to the water district on Thursday, the tribe requested an extension of water service to the Trinidad Rancheria as the tribe "...intends to develop a hotel, residential housing, and other uses on the tribe's Lands."

Three community members expressed their concerns about the project in written letters read during public comment, one of whom was 5th District Supervisor Steve Madrone.

Supervisor Madrone voiced his concern that the water extension study exclusively involved the tribe and the water district, while the outline "... discusses identifying all possible customers in the process along with other info."

"It is inappropriate and disrespectful to the Trinidad and Westhaven communities to consider extending water service to their communities without their request or input," Madrone said. "As you and your board know, this has been looked at many times over the years and the community has always turned down that option due to the cost and growth inducement. A waterline extension alone has the potential to double the density of development."

Water district director Bruce Rupp said the written letters were "interesting" and "somewhat legitimate," but felt as though the board should focus on the service request and what steps are necessary to provide the tribe with water.



"If Westhaven doesn't want to be included, I think we ought to drop consideration of providing water to Westhaven or anyone else out there but the tribe ... It's not our job to provide water to people who don't want it, but it is our job to provide water to people who do want it."

Rupp voiced his support in proceeding with the feasibility study.

Director Neal Latt echoed Madrone's concern about potential development.

"I do understand the heat and light around this issue and the development implications that have been expressed by so many community members and by Supervisor Madrone," said Latt.

Even if the Westhaven Community Services District opted out, the water district would still have to work with Westhaven's infrastructure.

"I see us working with them one way or another," said Director Michelle Fuller. "I would encourage folks who are interested to attend our board meetings and participate."

"In our initial discussions we had touched on the need to include the other entities," said Jacque Hostler-Carmesin, chief executive officer for the Trinidad Rancheria. "However, I don't agree that the rancheria should expend their resources to explore the potential service areas for Westhaven and the city of Trinidad."

Hostler-Carmesin did agree that it would be short-sighted to not seek participation from the surrounding communities in the feasibility study.

"If the Westhaven water district indicates that they do need fire suppression ability then they should be a part of the feasibility study for that request, as well as the city of Trinidad," said Hostler-Carmesin. "I believe water is an issue, it will continue to be an issue. Luffenholtz Creek is considered to be in the beginning drought stages, so I believe the whole area is in need of water."

However, Hostler-Carmesin said the rancheria will not speak for Trinidad or Westhaven. "Our request is specific to Trinidad Rancheria."

After additional discussion regarding the language of two items, the water board unanimously approved the draft agreement. Trinidad Rancheria Tribal Council will review the agreement during its Nov. 20 meeting.

*Isabella Vanderheiden can be reached at 707-441-0504.*





LOST COAST OUTPOST - HANK SIMS / 11/10/2020

## That Big Onshore Fish Farm on the Samoa Peninsula is Moving Forward, and Developers Are Having a Virtual Meeting About it Tonight



*Computer-generated photo illustration showing how the proposed recirculating aquaculture system (RAS) facility would look on the Samoa Peninsula. | File image via Nordic Aquafarms.*

You haven't forgotten, right? Just about a year and a half ago, Nordic Aquafarms, a Scandinavian company, first put forward the idea of building a large-scale onshore fish farm on the Samoa Peninsula, at the site of the old Pulp Mill currently owned by the Harbor District.

We've had a lot of coverage of this proposal over the intervening months — see below for a list — but you might not know, since the onset of sheltering in place, that Nordic is still moving forward. They're currently in the process of acquiring state and local permits to start construction.

To that end, the company is hosting a virtual Town Hall on Zoom at 6 p.m. today. If you're interested in the project — either as a booster, a critic or just a curious citizen — you might want to tune in. There'll be a question and answer period at the end.

Press release from Nordic Aquafarms:

Public Information Meeting and Q & A Session with Nordic Aquafarms

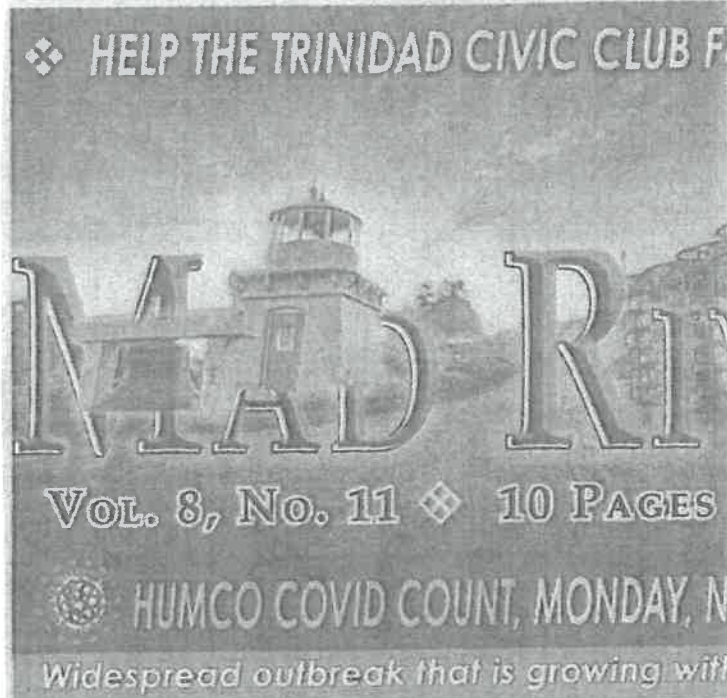
- When: 6 p.m. to 8 p.m. Tuesday, November 10, 2020
- Where: Zoom
- Log-In Information: <https://us02web.zoom.us/j/83592185856>

- Meeting ID: 835 9218 5856
- One tap mobile: 1-669-900-6833

Nordic Aquafarms is in the process of preparing and submitting permit applications and related studies to the Water Quality Control Board, California Coastal Commission and Humboldt County Planning Department.

The community is encouraged to attend this Town Hall meeting to learn more about Nordic Aquafarms permit process, hear application and study highlights, and receive a general project update regarding Nordic's planned aquaculture facility for the Samoa Peninsula. At the end of the presentation, Nordic will also welcome questions from the audience.

For more information or support in logging into the meeting, please contact Lynette Mullen at [lynette.mullen@gmail.com](mailto:lynette.mullen@gmail.com) or call 707-845-0467.

*Mad River Union 12/2/2020*

## County OKs MCSD restoration & trails

Daniel Mintz  
MAD RIVER UNION

**MCKINLEYVILLE** - The county's Planning Commission has approved permitting for an "ambitious project" restoring salmonid habitat and creating new river access in a wetland area owned and managed by the McKinleyville Community Services District (MCSD).

Approved without discussion as part of the commission's November 19 consent agenda, the project will improve and increase salmonid habitat in the Mad River watershed and create access to a river overlook.

The project area is located in McKinleyville, on Fischer Avenue near the intersection of Fischer Avenue and at the western segment of School Road from Ocean Drive to Verwer Avenue.

The habitat restoration includes removal of 4.25 acres of percolation ponds to "restore a more natural connection to the Mad River," according to a written staff report. Two acres of new wetlands will be created within the pond infrastructure footprint along with 1.4 new acres of open water for "off-channel rearing refugia habitat for salmonids."

Also part of the project is creation of a 1,775 foot channel connecting the river to the pond area to allow juve-

## Wetlands | Mad access

♦ FROM PAGE 1

nile fish access. Reconnection of the river to the project area's floodplain will create off-channel habitat.

The project's trail development establishes access to a Mad River overlook off the existing paved School Road pathway.

There will also be a trail from the overlook to a river access area.

There will be parking access via five additional parallel parking spots along School Road and an ADA-reserved spot.

A vehicle turnaround will also be developed.

The project has been in planning stages since 2012 and is supported by a variety of state and federal grants sponsored by California Trout.

The MCSD also gained a Habitat Conservation Fund grant for the project's design.

The MCSD collaborated with several non-government organizations, the Wiyot tribe and state and federal environmental agencies. The district and the county also worked with property owners to "fashion a suite of road modifications to lessen the impact to the neighborhood," according to the written report.

"This ambitious project will enhance valuable fish and wildlife habitat as well as enhance public access and recreation opportunities while pre-

**Jack Durham  
Mad River Union**

McKINLEYVILLE – The McKinleyville Community Services District is applying for a slew of grants to pay for everything from new water tanks, an emergency generator, a new waterline under the Mad River and a plan for managing a proposed community forest.

The grant applications were unanimously approved by the MCSD Board of Directors at its Nov. 4 meeting.

**New water tanks**

The district is seeking grant funding from the California Office of Emergency Services (CalOES) to replace two 50-year-old water tanks on McCluski Hill in the Hewitt Road area.

“The tanks are in relatively good shape but are 50-years old and the expertise for the maintenance of redwood tanks is fading,” states a MCSD staff report. “The tanks should be replaced before they need to be replaced and would likely be replaced by two 200,000 gallon bolted steel tanks. A detailed cost estimate for this project has not yet been developed but would likely be in the \$1.0M range with a District match of \$250,000.”

**Water line**

The district is also applying for a CalOES grant to build a redundant water line under the Mad River. McKinleyville receives its entire water supply through a single line that runs under the Mad River and connects to the Humboldt Bay Municipal Water District, the area’s wholesale water supplier.

MCSD board members and staff are concerned about the vulnerability of the line. In the event of an earthquake or other natural disaster, the water line could break, cutting off the town’s water supply.

A new water line is expected to cost about \$3.1 million, with the district providing a \$775,000 match.

**Fire management plan**

The district is applying for a CalOES grant to develop forest and forest fire management plans for the proposed community forest, Hewitt Preserve and Hiller Park areas.

TMcKinleyville doesn’t have a community forest yet, but MCSD management is optimistic that it will obtain \$4 million from the State of California Natural Resource Agency to acquire 550 acres on the east side of town from Green Diamond.

The MCSD board would like to develop a forest management plan for the proposed community forest. It would also like to remove dead trees from both Hiller Park and the Hewitt Preserve. The district might also improve access to the Hewitt Preserve so firefighters can better access the site, located off Hewitt Road.

The project is estimated to cost \$200,000 to \$300,000.

During a discussion of the project, MCSD Director Dennis Mayo volunteered to contact the Humboldt County Sheriff’s Work Alternative Program (SWAP) regarding the dead trees. The

SWAP program allows low-risk offenders to work off their sentences rather than face confinement. One of the SWAP programs involves chopping firewood, which is sold to seniors at a discounted price.

### **Fire hydrants**

The district is applying for a CalOES grant to replace 97 fire hydrants throughout McKinleyville. The new hydrants would all have pumper nozzles.

The district budgets \$7,000 a year for fire hydrant replacement and has an agreement with the Arcata Fire District to provide matching funds. But AFD has struggled financially and has been unable to fund the hydrant replacement.

“The Fire District typically does not have sufficient funds to provide their match, and the work does not get done,” states a MCSD staff report.

The hydrant replacement project would cost about \$500,000, with the MCSD providing a \$125,000 match.

### **The process**

MCSD Manager Patrick Kaspari said that the CalOES grant applications involve a multi-stage process. The first step is a simple application with a project description and estimated cost. CalOES would then determine whether the project is something that might qualify for a grant

If the project qualifies, then the MCSD would need to submit a highly detailed grant application. These applications would include a cost-benefit analysis prepared by an engineer, along with environmental documents.

Each application could cost \$20,000 to prepare. Kaspari said that if CalOES approves the initial applications, the MCSD board will need to decide which projects to pursue.

# **CORRESPONDENCE**



Pacific Gas and Electric

selfgen@pge.com

Application ID:

Date Printed: 12/01/2020

Program Year: 2020

TRF

## Self Generation Incentive Program Reservation Request Form

**Instructions:** This Self-Generation Incentive Program (SGIP) Reservation Request Form is reflective of the information entered in the online form process. Please review thoroughly for accuracy of information before signing. Once the form has been signed by all parties, scan and upload this document under the Reservation Request header in the Documents section of the online application. Incomplete applications will result in a suspended application. Upon successful submission of all reservation request information and documents, the Applicant will receive notice from the SGIP Program Administrator that their rebate request has been received.

**NOTE:** Your application is not submitted until you upload this form and all other required documentation and click on "Submit" via the online system.

### Application Type

Application Type: Energy Storage

Budget Category: Equity Resiliency

Incentive Step: 5

Incentive Rate: \$1

### Host Customer

Contact Name: John Friedenbach

Company Name: Humboldt Bay Municipal Water District

Mailing Address: PO Box 95

City, State, Zip: Eureka, CA, 95502

Phone: 707-443-5018

Email: friedenbach@hbmwd.com

Parent Company Name:

NAICS: 221310

Is this a public institution? N/A

Sector: State or Local Government

Sector definition: Agreed

Is Household Low-Income Status?

Is the Host Customer enrolled for the medical baseline program?

Has the Host Customer notified their utility of serious illness or condition that could become life-threatening if electricity is disconnected?

Has the Host Customer received an incentive reservation letter from either the MASH, SASH, DAC-SASH, or SOMAH programs?

Has applicant coordinated with their local governments and the California Office of Emergency Services? No

Does the host customer provide critical services or infrastructure during a PSPS event to a community that is at least partially located in a Tier 2 or Tier 3 HFTD and eligible for the equity budget? Yes

Is this project applying for the PG&E Incentive Advanced Pilot? N/A

1. 911 call center/Public Safety Answering Point N/A

2. Cooling center designated by state, local, or tribal government N/A

3. Emergency operations center N/A

4. Emergency response provider with the addition of tribal government providers N/A

5. Fire station N/A

6. Food bank N/A

7. Independent living center N/A

8. Jail or prison N/A

9. Homeless shelters supported by federal, state, local, or tribal governments N/A

10. Medical facility (hospital, skilled nursing facility, nursing home, blood bank, health care facility, dialysis center, or hospice facility) N/A

11. Police station N/A

12. Public and private gas, electric, water, wastewater or flood control facility Yes

13. Location designated by an IOUs to provide assistance during PSPS events N/A

14. Grocery store, corner store, market or supermarket with average annual gross receipts of \$15 million or less over the last three tax years as calculated at a single location N/A

Is this public or tribal government agency serving 50% of a low-income or disadvantaged community census tract?

Opts into resiliency adder? No

**System Owner**

<b>Contact Name:</b>	John Friedenbach	<b>Mailing Address:</b>	PO Box 95
<b>Company Name:</b>	Humboldt Bay Municipal Water District	<b>City, State, Zip:</b>	Eureka, CA, 95502
<b>Parent Company Name:</b>		<b>Phone:</b>	707-443-5018
		<b>Email:</b>	friedenbach@hbmwd.com

**Developer**

<b>Contact Name:</b>	Jonathan Gubler	<b>Mailing Address:</b>	3055 Clearview Way
<b>Company Name:</b>	Tesla Inc.	<b>City, State, Zip:</b>	San Mateo, CA, 94402
		<b>Phone:</b>	6509635100
		<b>Email:</b>	commercial.incentives@tesla.com

- |  |         |
|--|---------|
| 1. Approaching or communicating with the host customer about the project and learning about its needs and energy profile   | 1. Yes  |
| 2. Developing the specifications for a system based on the customer's needs and interests  | 2. Yes  |
| 3. Soliciting bids from multiple manufacturers for the specified system  | 3. Yes  |
| 4. Gaining the customer's commitment to purchase or lease the specified system, usually but not necessarily by signing a purchase order with a customer or other form of agreement | 4. Yes  |
| 5. Purchasing the specified system from the manufacturer to fulfill the obligation to provide a system to the customer   | 5. Yes  |
| 6. Securing permits for the system on behalf of the customer   | 6. Yes  |
| 7. Securing interconnection permission for the system on behalf of the customer  | 7. Yes  |
| 8. Submitting SGIP applications on behalf of the customer  | 8. Yes  |
| 9. Liaising with the SGIP administrators on incentive reservations   | 9. Yes  |
| 10. Liaising with the SGIP administrators on data reporting requirements   | 10. Yes |
| 11. Supplying project data to SGIP evaluators  | 11. Yes |
| 12. Physically constructing the system at the customer's premises  | 12. Yes |
| 13. Installing the system at the customer's premises   | 13. Yes |

Who is performing the other activities?

**Applicant**

<b>Contact Name:</b>	Mike Snyder	<b>Mailing Address:</b>	6611 S Las Vegas Blvd Suite 200
<b>Company Name:</b>	Tesla Inc.	<b>City, State, Zip:</b>	Las Vegas, NV, 89119
<b>Parent Company Name:</b>		<b>Phone:</b>	7026806763
		<b>Email:</b>	commercial.incentives@tesla.com

**Contractor/Installer Contact**

<b>Contact Name:</b>	Mike Snyder	<b>Mailing Address:</b>	6611 S Las Vegas Blvd Suite 200
<b>Company Name:</b>	Tesla Inc.	<b>City, State, Zip:</b>	Las Vegas, NV, 89119
<b>Contractor License Number (CSLB):</b>	888104	<b>Email:</b>	commercial.incentives@tesla.com
<b>Contractor License Type:</b>		<b>Phone:</b>	7026806763

**Payee Contact**

<b>Contact Name:</b>		<b>Mailing Address:</b>	
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Company Name: City, State, Zip: ..  
 Payee Tax Status: Email:  
 Payee Tax ID: Phone:

## Project Site Information

Site Address: 444 Pipeline Rd  
 City, State, Zip: Arcata, CA, 95521  
 Project site within the SCE-defined local reliability area? N/A  
 Disadvantaged Community or Low-Income Community according to the CalEnviroScreen? Low-Income Community  
 Is the site located in a high fire threat district (HFTD)? Not Applicable  
 Has experienced at least two discrete PSPS events? Yes  
 Household relies on electric pump wells for their water supplies? Not Applicable  
 Participating San Joaquin Valley Pilot area?  
 Agrees to location Eligibility: Yes

## Utility Information

Electric Utility: Pacific Gas and Electric Peak Annual Demand (kW): 230  
 Is the Host on an SGIP-Approved Rate? Other SGIP-Approved Rate Other Rate: Non Residential  
 Demand Response Participant? N/A  
 Electric Utility is Municipal? N/A Demand Response Program Name:  
 Account Name: Humboldt Bay Municipal Water District Demand Response Obligation (kW):  
 Is Existing Service? Yes System Size Based on Load Growth? No  
 Utility Account ID: 2335114384 Estimated Future Additional Demand (kW):  
 Utility Meter ID: 1008819845  
 Gas Utility:  
 Gas Utility is Municipal? N/A  
 Account Name:  
 Is Existing Service? N/A  
 Utility Account ID:  
 Utility Meter ID:

## Proposed System Information

Equipment Technology: Electrochemical Storage Total Rated Capacity (kW): 280  
 System Manufacturer: Tesla Inc. Total Energy Storage Capacity (kWh): 1392  
 System Model: PowerPack 1490025-XX-Y System (4 hr) Discharge Hours Duration: 4.97142857143  
 Other self-generation or storage equipment onsite? Opts-out of Resiliency Requirements: No  
 Charged at least 75% from renewables? No

Other Onsite System Information  
 SGIP Incentivized System(s) Onsite:

Technology	Make/Model	Project Code	Installed	Energy Storage Capacity (kWh)	Total Rated Capacity (kW)
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## Non-Incentivized System(s) Onsite:

Technology	Make/Model	Year Installed	Energy Storage Capacity (kWh)	Total Rated Capacity (kW)
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Previous SGIP Generator Capacity (kW): 0

Previous SGIP Storage Capacity (kWh):	0		
<b>Project Finance</b>			
<b>Total Eligible Project Cost (TEPC):</b>	\$1,261,812.00	<b>Taking Federal Investment Tax Credits (ITC):</b>	No
<b>Ineligible Project Cost:</b>		<b>ITC as a % of TEPC:</b>	%
		<b>Approved California Manufacturer Equipment:</b>	No

Other Incentives Received	Incentive Type	Incentive Amount	Description
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## Incentive Results

Incentive Calculation Equity	Current Step 5			Incentive Rate: \$1.00
Reference Table	0-2 MWH	>2-4 MWH	>4-6 MWH	
0-2 HOURS	100%	50%	25%	
2-4 HOURS	100%	50%	25%	
4-6 HOURS	50%	25%	12.50%	
	<b>0-2 MWH</b>	<b>&gt;2-4 MWH</b>	<b>&gt;4-6 MWH</b>	
<b>Existing Onsite Equipment Offset</b>	-	-	-	
0-2 HOURS	560,000	-	-	
2-4 HOURS	560,000	-	-	
4-6 HOURS	272,000	-	-	
Base Equipment Incentive				\$1,256,000.00
CA Manufacturer Adder				
<b>Max Equipment Incentive</b>				a) \$1,256,000.00
<b>Other Incentives</b>	<b>Total Dollars</b>			<b>Impact on SGIP Incentive</b>
Other IOU Incentive	0			b) \$0.00
Other Non-IOU Incentive	0			c) \$0.00
Non-Ratepayer Incentive	0			
Investment Tax Credit (0%)	0			
<b>Adjusted Equipment Incentive</b>				a+b+c = d) \$1,256,000.00
Total Other Incentives	e) 0			
<b>SGIP Incentive Adjustments</b>	<b>Equipment Incentive</b>	<b>Total Other Incentives &lt;=</b>	<b>Incentive Cap(s)</b>	<b>Incentive Adjustment</b>
	+			
Project Incentive Cap (Equipment)	f) \$1,256,000.00		\$5,000,000.00	*g) 0
Eligible Cost Cap (All Incentives)	f+g=h) \$1,256,000.00	0	\$1,261,812.00	**i) 0
Equipment Incentive				***j) \$1,256,000.00
<b>Calculated SGIP Incentive</b>				<b>\$1,256,000.00</b>

\* g = 0 if f &lt;= \$5M, otherwise g = \$5M - f

\*\* i = 0 if h + e &lt;= Total Eligible Cost, otherwise i = Total Eligible cost - (h + e)

\*\*\* j = h + i

The incentive adjustments shown above are based on the Total Eligible Project Cost, the Maximum Incentive Cap, and the Minimum Customer Investment. See the SGIP Handbook for more information on incentive limitations.

**Requested Incentive: \$1,256,000.00**

If changes have been made to your project since it was originally submitted, the calculated incentive amount above may differ from the requested incentive amount. The final incentive amount is subject to Program Administrator approval.

## Projected PBI Calculation

<b>Expected Total Production:</b>	144,768 kWh
<b>Total Incentive:</b>	\$1,256,000.00
<b>Initial Payment:</b>	\$628,000.00
<b>Performance Based Incentive:</b>	\$628,000.00
<b>PBI Rate (\$/kWh):</b>	\$0.8675950

**Residential Energy Storage Eligibility Affidavit  
Requirements of Host Customers and System Owners**

- o The energy storage system owner and/or Host Customer have the tools to control the usage of the energy storage system when operating in parallel with the grid.
- o Provide performance data to the Program upon request (emailed, zipped file of 15 minute interval data) for a period of five (5) years.
- o Pass the energy storage Field Verification Inspection.
- o Host Customer and/or System Owner are required to discharge the energy storage system a minimum of 52 full discharges per year. A "full discharge" is the equivalent of discharging the SGIP-incentivized energy capacity, whether it is during a single or multiple discharges.
- o Fulfill either of the two following conditions:
  - o Option A: the Host Customer is on a TOU tariff, dynamic tariff (e.g. PG&E's SmartRate or SDG&E's Reduce Your Use), or agrees to integrate load through the California Independent System Operator's Proxy Demand Response, or equivalent tariff, prior to receiving the SGIP incentive and for five (5) years thereafter. Note that in the event that the Host Customer changes to a non-TOU tariff or is no longer enrolled in a demand reduction program, the energy storage System Owner is required to notify the Program Administrator within 30 days of change, and will be subject to Option B for the required five year period.
  - o Option B: the Host Customer and/or System Owner agrees, for a minimum period of five (5) years, to discharge the energy storage system in an amount equivalent to 52 complete cycles per year of the incentivized energy capacity, which is defined as two hours of discharge at the SGIP incentivized power capacity rating, with discharges occurring during peak hours or peak day events (such as those called by PG&E's SmartRate program or SDG&E's Reduce Your Use), of the applicable IOU service territory.

**Declarations by Host Customer and System Owner**

By Execution of this document, System Owner and Host Customer each certify that the Project meets all program eligibility requirements and that the System Owner and Host Customer agree to abide by the rules and requirements set forth in the SGIP Handbook and SGIP Contract. The undersigned declare under penalty of perjury under the laws of the State of California that 1) The information provided is true and correct, and 2) the above-described generating system is new and intended to offset part or all of the Host Customer's electrical requirements at the site of installation. For residential energy storage projects, the Host Customer and System Owner certify that they have read and agreed to the terms of the Residential Energy Storage Eligibility Affidavit.

The Host Customer and System Owner are committed to completing this project, and by signing below, are starting their intent to contract with individual(s) necessary for completion of the project. The Host Customer is the reservation holder and reserves the right to submit new project specifications, including a new application with alternative System Owner and/or Applicant designations, upon withdrawal from the project and cancellation of this Agreement.

**Host Customer Signature**

Print Name: John Friedenbach

Signature:   
John Friedenbach (Dec 2, 2020 08:49 PST)

Title: General Manager Date: Dec 2, 2020

**System Owner (if not Host Customer)**

Print Name:

Signature:

Title: Date:

**Applicant (if not Host Customer)**

Print Name: Mike Snyder

Signature: 

Title: Director of Engineering, Energy Projects Date: 12/01/2020

**Developer**

Print Name: Jonathan Gubler

Signature: 

Title: Supervisor, Incentive Programs Date: 12/01/2020

**John Friedenbach**

---

**From:** Self Generation Program <Selfgen@pge.com>  
**Sent:** Friday, November 13, 2020 9:31 AM  
**To:** friedenbach@hbmwd.com  
**Cc:** SGIP Database; commercial.incentives@tesla.com  
**Subject:** SGIP Conditional Reservation Letter, Humboldt Bay Municipal Water District [PGE-SGIP-2020-5008]

**Follow Up Flag:** Follow up  
**Due By:** Thursday, November 19, 2020 8:00 AM  
**Flag Status:** Flagged



Essex

11/13/20

Dear John Friedenbach,

Great news! A **Conditional Reservation** has been approved for your SGIP project PGE-SGIP-2020-5008. See below for the Conditional Reservation details.

**Project ID:** PGE-SGIP-2020-5008

**Host Customer:** Humboldt Bay Municipal Water District  
7270 West End Rd.

**Site Address:** Arcata, CA 95521

**Equipment Type:** Electrochemical Storage

**Storage Capacity:** 3944 kWh

**Rated Capacity :** 980.000 kW

**Paired With:**

**Requested Incentive Amount:** \$2,966,000.00

**Application Fee Paid:** \$0.00

**Request for Proposal Due Date:**

**Proof of Project Milestone Date:** 02/11/21

**Reservation Expiration Date:** 05/13/22

**Important:** This Conditional Reservation is only valid until the Proof of Project Milestone (PPM) due date: 02/11/21. **Please submit all required PPM documents by 02/11/21.**

**Submit all PPM documents via the SGIP Online Application Portal:**

- Log into your account at [www.selfgenca.com](http://www.selfgenca.com) and select the project from the Dashboard
- Upload the PPM documents on the Documents page
- Once you have uploaded all of the requested documents, click the "Submit" button on the Submit page to transmit the materials to Pacific Gas and Electric.

**Please note: The reserved incentive amount of \$2,966,000.00 may change based upon any of the following situations:**

- Changes to the total eligible project costs or the equipment.
- Gas generation projects comply with the renewable fuel blending requirement for the year in which they applied.
- Energy storage systems paired with a renewable generator comply with the Investment Tax Credit requirements or charge the system at least 75% from the renewable generator.
- If the CA manufacturer bonus was granted for the project, the reserved incentive amount is contingent upon submission and approval of the "Request for California Manufacturer Status" document for the manufacturer listed on the RRF.

The reserved incentive amount is specific to the proposed project information listed on the RRF. Changes to the proposed project must be approved by PG&E beforehand. The final incentive amount will be established at the Incentive Claim stage after review of the final project cost breakdown and affidavit, and final system approval after inspection.

### Questions?

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!

Thank you,

**Rommel Riemedio**

Self-Generation Incentive Program (SGIP)

Phone: 415-973-6436 or email [selfgen@pge.com](mailto:selfgen@pge.com)

For SGIP Program information, Handbook and Forms, please visit:

[PG&E SGIP Program](#)

[Self-Generation Incentive Program](#)

[CPUC](#)

[pge.com](http://pge.com) : [privacy](#)

NOTE: You are receiving this email because we received an inquiry from you about your incentive request. Pacific Gas and Electric Company, 77 Beale St., San Francisco, CA 94105.

**John Friedenbach**

**From:** Thompson, Cathleen J -FS <cathleen.thompson@usda.gov>  
**Sent:** Friday, November 20, 2020 12:17 PM  
**To:** Friedenbach  
**Cc:** [REDACTED]

**Subject:** Potential Water Quality Impacts from the Northern CA August Complex Wildfires

**GOOD MORNING JOHN:**

I wanted to give you a heads-up that a mother of 2 twin [REDACTED] l) from Atlanta GA may be giving you a call.

Her twin daughters are doing a science project about the impacts to water quality and community water supplies following this summer's California wildfires.

I also provided her information about your HBMWD agency, along with our Forest Service BAER program and our Southern Regional Office in Atlanta (she had no idea that the Forest Service had an office there).

I'm hoping you won't mind and that she will not impact too much of your time.

Very much appreciated, Cathleen



Cathleen Thompson -- BAER Information Officer  
 Cell: (707) 853-4243 -- Email: [cathleen.thompson@usda.gov](mailto:cathleen.thompson@usda.gov)

**From:** Thompson, Cathleen J -FS  
**Sent:** Friday, November 20, 2020 12:06 PM  
**To:** [REDACTED]

**Subject:** Potential Water Quality Impacts from the Northern CA August Complex Wildfires

**GREETINGS LAURIE:**

It was good to talk with you this morning and great to hear of your twin girls' interest in doing a science project related to the water quality and potential impacts to community water supplies following wildfires.

This is the person who might be interested in providing assistance with getting a sample of water from the reservoir his agency manages:

**John Friedenbach, General Manager of Humboldt Bay Municipal Water District (HBMWD)**

HBMWD owns/manages the Ruth Lake reservoir in Trinity County in the Mad River watershed and he said the August Complex burn all around the reservoir.

**CONTACT INFO:**

707-443-5018

[friedenbach@hbmwd.com](mailto:friedenbach@hbmwd.com)

**About the HBMWD:**

<https://www.hbmwd.com/about-the-district>

**What the HBMWD Does:**

<https://www.hbmwd.com/hbmwd>

**RUTH LAKE:**

<https://www.fs.usda.gov/recrea/srnf/recrea/?recid=11549>

**Ruth Lake**

Ruth Lake is a seven-mile long reservoir located in the southern portion of Trinity County. The reservoir was formed by the damming of the Mad River in 1962, and has served both as a functional supplier of water to Humboldt County and a recreational area for fisherman, boaters, water skiers and swimmers alike. The reservoir lies in calm, beautiful surroundings of hills covered by ponderosa pine and white fir. The reservoir sits at an elevation of 2,654 feet, which affords cool winters, warm summers, and amazing springs and falls. Off the beaten path, approximately 70 miles from Eureka, Ruth Lake can be especially appreciated for its rainbow trout, and bass fishing, offering a marina and two boat ramps for your convenience. All facilities are located on Mad River Road off of Highway 36

## **US FOREST SERVICE – Southern Regional Office**

<https://www.fs.usda.gov/r8>

The Southern Region of the Forest Service is a dynamic collection of lands that encompasses 13 states and Puerto Rico. Known as Region 8 within the Forest Service, the Southern Region consists of 14 national forest units and two special units. The Forest Service employs about 250 people at the Region 8 headquarters in Atlanta, and nearly 2,500 throughout the South.

USDA Forest Service--Southern Region (R8)

1720 Peachtree Street, NW

Atlanta, GA 30309

Phone: (404) 347-4177

## **What We Do as Land and Resource Managers**

An important part of the Forest Service mission is "protecting and managing the national forests and grasslands so they best demonstrate the sustainable multiple-use management concept." In other words, the Forest Service is charged with managing natural resources in a way that best serves the multiple needs of a growing nation. The agency was established to ensure a renewable supply of timber and a steady source of clean water and minerals.

The Southern Region of the US Forest Service provides timber for people, forage for wildlife, habitat for fish, plants, and animals, and some of the finest recreation lands in the country. The Forest Service does not "own" the natural resources. Instead, the agency serves as caretaker for the real owners, ... the people of the United States.

## **Watershed Improvement**

### **What is a Watershed?**

---

It is the drainage area of a landscape where water from rain or melting snow and ice drains downhill into a body of water such as river, lake, reservoir, pond, estuary, wetland, aquifer, sea, or ocean. Watersheds include the streams, lakes and shallow aquifers that store and convey the water as well as the land surfaces from which water drains and the aquatic ecosystems that they support. Topography and geology determine where the water flows, and thus are used to separate adjacent drainage basins into a hierarchical structure in which small watershed drain into progressively larger ones.

### **Watershed Program Memo**

### **Water and The Forest Service**

### **Forests, Fires, Watersheds**

**Key Laws Governing Watershed Stewardship**

**Watershed Assessment Protocol**

**NFS Critical Acid Loads PowerPoint**

**Effects of Watershed Acidification PowerPoint**

**BAER-Burned Area Emergency Rehabilitation**

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Burned Area Emergency Rehabilitation (BAER) projects are undertaken following wildfires that are necessary to minimize negative effects on soil productivity and water quality, and to minimize sources of damage to human life and property. The objective of emergency rehabilitation is to initiate action promptly for immediate rehabilitation of watersheds following wildfires to minimize 1) loss of soil productivity, 2) deterioration of water quality, and 3) threats to human life and property.

Hope this helps your girls with their science project—please give them my best wishes,  
Cathleen



Cathleen Thompson -- BAER Information Officer  
Cell: (707) 853-4243 – Email: [cathleen.thompson@usda.gov](mailto:cathleen.thompson@usda.gov)

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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

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

November 20, 2020

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

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

**RE: Item B National Natural Landmarks Program  
December 10, 2020 Meeting of National Park System Advisory Board  
Lanphere and Ma-le'i Dunes National Natural Landmarks Program**

Dear Ms. Eggleston,

This is a follow up to our previous letter dated September 14, 2020 which is included herein by reference. On October 19, 2020 a virtual meeting was held with local and regional staff of the US Department of the Interior and the Bureau of Land Management including yourself; Molly Brown, Field Manager; Laurie Lee Jenkins, Pacific West Regional NNL Coordinator and me.

We greatly appreciate your efforts to meet and explain in detail the NNL program and its implications to our District regarding our existing pipelines within the proposed project. Based on our discussions and improved understanding of the NNL program, we fully support the designation of the Lanphere and Ma-le'i Dunes as a National Natural Landmark.

Respectfully,

John Friedenbach  
General Manager

Cc: Congressman Jared Huffman  
US Senator Diane Feinstein  
Molly Brown, BLM Field Manager – Arcata Field Office  
Laurie Lee Jenkins,



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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MICHELLE FULLER, DIRECTOR

### GENERAL MANAGER

JOHN FRIEDENBACH

November 12, 2020

Humboldt County Board of Supervisors  
815 5th Street  
Eureka, CA 95501

### RE: Parcel Number 315-011-009

**Applicant: Maple Creek Investments, LLC**

**Record Number: PLN-2018-15197**

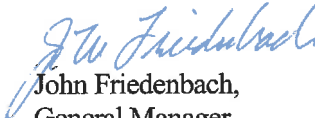
**Appeal Record Number: PLN-2020-16608**

Dear Supervisors,

Humboldt Bay Municipal Water District (District) submits this letter as a follow up to Special Permit Application PLN 2018-15197 and Appeal PLN-2020-16608 by Maple Creek Investments, LLC (Applicant). After consideration at our Board meeting today (November 12, 2020), our Board withdraws our previous opposition to this project in regards to their projected water usage at the site.

Our Board continues to have general concerns regarding the cumulative effects of development within the Mad River watershed and looks forward to your consideration of our request to designate the Mad River as a Critical Watershed under the Humboldt County General Plan.

Respectfully,

  
John Friedenbach,  
General Manager

Cc: Gordon Leppig, CDFW



SECTION 8.5 PAGE NO. 1  
**HUMBOLDT BAY MUNICIPAL WATER DISTRICT**

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J. BRUCE RUPP, SECRETARY-TREASURER

MICHELLE FULLER, DIRECTOR

DAVID LINDBERG, DIRECTOR

**GENERAL MANAGER**

JOHN FRIEDENBACH

November 23, 2020

**Via Efile and Email: [david.capka@ferc.gov](mailto:david.capka@ferc.gov)**

Mr. Dave Capka, P.E. Director

Division of Dam Safety and Inspections

Federal Energy Regulatory Commission

Office of Energy Projects

888 First Street, NE, Room 6N-01

Washington, DC 20426

**RE: Project No. 3430-CA**

**NATDAM No. 00833**

**Ninth Independent Consultant's Safety Inspection Report – R. W. Matthews Dam**

Dear Mr. Capka,

Per the letter received from FERC dated July 24, 2020 regarding IC Approval, we respectfully request your consideration and approval of our proposed Independent Consultant for our Ninth Independent Consultant's Safety Inspection Report for our R. W. Matthews Dam. We are seeking approval for Dan Wade, P.E., G.E. of GEI, Inc. Dan Wade, our proposed IC, has over 30 years of experience in dam safety engineering and is a vice president and principal engineer with GEI. Mr. Wade joined GEI in late 2019 after serving as director of the \$4.8 billion Water System Improvement Program and \$2 billion 10-year Water Capital Improvement Program for the San Francisco Public Utilities Commission (SFPUC). These programs featured over 100 projects, including a new dam, three new tunnels, and multiple dam rehabilitation projects. Prior experience included working as a consultant on numerous FERC-licensed projects including analysis and design of dams, hydraulic structures, tunnels, penstocks, powerhouses and other appurtenant facilities. He meets all the FERC requirements for approval as an IC. Attached for your reference is a copy of Wade's resume and proposed project team for our report.

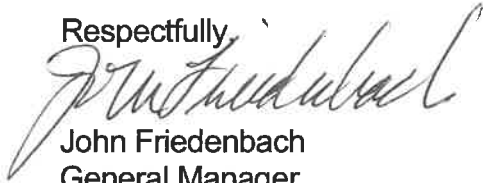
Bill Rettberg, our Qualified Dam Safety Consultant will serve as our PFMA workshop Facilitator and Alternate IC. Mr. Rettberg's resume is also attached to this letter.

Messrs. Wade and Rettberg understand that it is critically important that the IC's, review, evaluate and comment on the appropriateness and current validity of all the previous analyses located in Section 8 of the STI. As stated in the above referenced letter, Section 7 of the report will contain our IC's detailed assessment of the STI including the PFMA report.

During these times of Covid-19, we respectfully request that you expedite your review and approval process so that we may engage Messrs. Wade and Rettberg and his team as early as possible. We appreciate your prompt attention to our request for his approval as our IC.

If you have any questions or need any additional information, please do not hesitate to contact us.

Respectfully,

A handwritten signature in cursive script, appearing to read "John Friedenbach".

John Friedenbach  
General Manager

cc: Dan Wade, P.E., G.E., GEI  
Bill Rettberg, P.E. GEI

**Daniel L. Wade, P.E., G.E., F. ASCE**

Vice President / Water Resources Practice Leader

Daniel Wade is a Vice President / Senior Consultant serving as Water Resources Practice Leader. In this role, he applies his expertise in the planning, environmental review, investigation, analysis, design and construction of water resources / civil works infrastructure to successfully deliver complex projects for clients in the public and private sectors.

Mr. Wade spent the first 18 years of his career working as a consultant, and at the time of his departure was Vice President and Regional Manager for Dams and Hydropower Engineering services for a major global water resources consulting firm, responsible for leading multi-disciplinary teams of engineers and environmental professionals focused on dams, reservoirs, levees, pump stations, power plants, conveyance facilities (pipelines, tunnels and canals), treatment plants, and related appurtenant facilities.

For the past 12 years prior to joining GEI in late 2019, Mr. Wade served as the Director of Water Capital Programs for the San Francisco Public Utilities Commission (SFPUC), which included Director of the SFPUC's Water System Improvement Program (WSIP) and Director of the Water Enterprise 10-year CIP. In this role, he was responsible for the successful delivery of over 100 projects including dams, reservoirs, transmission facilities (e.g., tunnels, pipelines, pump stations) and other facilities valued at \$4.8 billion for the WSIP as well as capital projects that are part of the 10 Year CIP valued at over \$2 billion. In 2015 he was named to Engineering News Record magazine's list of 25 Top Newsmakers for his role in leading /directing the WSIP.

Mr. Wade is experienced in overseeing /managing large construction contracts and is skilled in consensus building and conflict resolution. He is experienced in controlling project cost, schedules and management of large multi-disciplinary project teams. He has given presentations at public meetings, management briefings, and board meetings for review of proposed infrastructure projects with highly sensitive environmental and other important stakeholder issues. He has participated on independent technical review boards and value engineering study teams. He has given extensive news media interviews, has appeared in documentaries, and has published and presented numerous papers in industry publications/conferences.

Mr. Wade has extensive experience working with the California Department of Water Resources Division of Safety of Dams (DSOD), and has considerable experience working with the Federal Energy Regulatory Commission (FERC) and other federal, state and local regulatory/resource permitting agencies.

He served on the Board of Directors of the US Society on Dams for two terms culminating in Vice President, and in 2019 he was elected Fellow of the American Society of Civil Engineers.

**EDUCATION**

M.S./M.S.c., Civil / Geotechnical Engineering, Virginia Polytechnic Institute and State University, Blacksburg, VA

B.S./B.S.c, Civil Engineering, University of California at Berkeley

**EXPERIENCE IN THE INDUSTRY**  
30 years

**EXPERIENCE WITH GEI**  
Less than one year

**REGISTRATIONS AND LICENSES**  
Professional Engineer, CA No. 53745  
Geotechnical Engineer, CA No. 2537

**PROFESSIONAL ORGANIZATIONS**  
Ex-Officio Member of the Board of Directors of the United States Society on Dams (USSD)  
Chi Epsilon, Civil Engineering Honor Society  
American Society of Civil Engineers (ASCE) – Fellow Member  
ASCE Vice Chair and Chair of Golden Gate Branch Geotechnical Committee (2001 to 2003)  
ASCE Geo-Institute  
Association of State Dam Safety Officials (ASDSO)

## GEI PROJECT EXPERIENCE

**Pacheco Reservoir Expansion Project, Santa Clara County, CA.** Engineering manager for GEI's design team for the proposed new spillway of the Pacheco Reservoir Expansion Project. The proposed project includes a new 320-foot high dam impounding a 140,000 acre-foot reservoir, a 2000-ft long concrete spillway capable of discharging the probable maximum flood (PMF) of 37,000 cfs, outlet works, a pump station and other appurtenant features.

**Santiago Creek Dam Spillway Alternatives, Orange County, CA.** Principal-in-Charge of a study to assess alternatives for a new replacement spillway for the Santiago Creek Dam constructed in 1932. A 1969 flood caused significant damage to the original spillway which was repaired; nevertheless, the existing spillway is nearing the end of its useful life and needs replacement and expansion to handle the current estimate of the PMF. Alternatives under consideration include various combinations of ogee, broad-crested, labyrinth and glory-hole weirs; chutes and tunnel spillways of various slopes and alignments; and terminal energy dissipation structures including a flip-bucket, stilling basin and plunge pool.

**Emergency Action Plan for Diamond Valley Lake, Metropolitan Water District of Southern CA.** Project Manager for development of an Emergency Action Plan (EAP) in accordance with state and federal guidance.

**FY2020-21 Untreated Water Reservoir Rehabilitation Program and Treated Water Facilities Improvement Program, Contra Costa Water District, CA.** Project Manager for planning, environmental review, and design of rehabilitation projects for the District's dams, reservoirs and appurtenant facilities. Projects include dam seepage mitigation, upgrades to inlet/outlet works, reservoir access improvements, lighting and ventilation improvements, SCADA upgrades, and other miscellaneous improvements. Projects for treated water facilities include access and worker safety improvements at pump stations and other related facilities.

## PREVIOUS PROJECT EXPERIENCE

**Oroville Dam Complex Comprehensive Needs Assessment, Oroville, CA.** Served as a member of the Independent Review Board to oversee the Comprehensive Needs Assessment for the Oroville Dam Complex, a planning study to consider short- and long-term alternative plans to implement dam-safety improvements. This assignment was performed under an Inter-jurisdictional Personnel Exchange Agreement between the California Department of Water Resources and the San Francisco Public Utilities Commission.

**Water System Improvement Program, San Francisco Bay Area, CA.** Mr. Wade served as the Director of Water Capital Programs for the San Francisco Public Utilities Commission (SFPUC) from 2014 to 2019, which included Director of the SFPUC's Water System Improvement Program (WSIP) and Director of the Water Enterprise 10-year CIP. In this role, he was responsible for the successful delivery of over 100 projects including dams, reservoirs, transmission facilities (e.g., tunnels, pipelines, pump stations) and other facilities valued at \$4.8 billion for the WSIP as well as capital projects that are part of the 10 Year CIP valued at over \$2 billion. Key responsibilities included implementation and oversight of overall programmatic functions including environmental review/permitting/compliance, land acquisition, system engineering, legal services, finance, stakeholder and public outreach, operations/client interface; assessment of program performance (budget, schedule, quality and risk management); and preparation of program budgets and requests for supplemental appropriations to the Commission and Board of Supervisors. He also had primary responsibility to report on program implementation and progress at various public meetings (oversight committees, regulatory & public agencies, stakeholder/political organizations, etc.) and provide periodic news media and industry publication interviews. He worked with internal and external stakeholders to implement several initiatives to ensure consistency, quality and accountability to monitor performance. He worked to expeditiously resolve technical/engineering issues that arose during construction and to ensure lessons learned were incorporated in subsequent design documents.

Mr. Wade previously managed the Sunol Valley Region of the WSIP from 2007 to 2013, and his projects included some of the largest and most complex projects in the WSIP, including the Calaveras Dam Replacement (\$800M), New Irvington Tunnel (\$250M), Sunol Valley Water Treatment Plant Expansion and Treated Water Reservoir

(\$150M), Alameda Siphon #4 (\$50M), San Antonio Backup Pipeline (\$50M), and San Antonio Pump Station (\$10M).

**Calaveras Dam Replacement Project, Alameda County, CA.** Mr. Wade served as the SFPUC's Senior Project Manager for the \$800 million Calaveras Dam Replacement Project, a role he held from May 2007 to December 2013. In this role for the largest and one of the most complex WSIP projects, he was responsible for providing overall leadership for the project team and managing the scope, schedule and budget of all aspects of the project, including design, environmental review, bid and award, and construction. Mr. Wade successfully provided the necessary leadership to navigate this project through the complex design and environmental review process, successfully kicked off construction in the Fall 2011, and navigated the many complex and challenging issues during construction. He was directly responsible to provide leadership and coordination for the construction management team, engineering team, environmental team, operations, water quality, legal, right of way and other internal and external services.

**Calaveras Dam Replacement Project Value Engineering Study, San Francisco Public Utilities Commission, Alameda County, CA.** As a consultant prior to joining the SFPUC in 2007, Mr. Wade participated on a Value Engineering (VE) Study Team for the Calaveras Dam Replacement Project based on review of the 35 percent design package prepared by the Design Team (including drawings, technical design reports and memoranda, 35% cost estimate, and review board comments). The VE Team generated approximately 50 ideas from which approximately 10 ideas were selected for further analysis and development into VE Proposals (to produce cost savings, schedule savings and/or risk reduction on the project). VE Proposals included suggestions for more efficient materials handling, reduction of excavation volumes, alternate dam type, alternate foundation treatment plans, and narrower filters/drains on the dam, among other ideas to reduce sensitive environmental and/or engineering risk to the project. The VE Team also provided review and comment on the Design Team's 35% design construction cost estimate.

**Folsom Dam Raise and Auxiliary Spillway Project, US Army Corps of Engineers and Sacramento Area Flood Control Agency, Folsom, CA.** Project Manager for the Project Alternatives Solution Study (PASS) for concept-level designs, value engineering, constructability review, and preparation of Engineering Design Reports (EDRs) for preliminary design and cost estimates of the Folsom Dam Raise and Auxiliary Spillway Project. The project is a Joint Federal Plan (JFP) for improvements to be implemented at Folsom Dam, originally completed in 1956 for flood protection, water supply, and hydropower generation in the Sacramento region by the US Army Corps of Engineers (Corps) and operated by the US Bureau of Reclamation (Reclamation). The project provides additional flood protection, hydrologic dam safety to pass the updated Probable Maximum Flood (PMF), and ecosystem restoration. The \$1 billion project included construction of a new auxiliary spillway in the left abutment and considers future raises of the main concrete dam, the two earthen wing dams, Mormon Island Auxiliary Dam and 8 earthen dikes around the reservoir rim by 7 feet.

**Shasta Dam Raise and Water Resources Investigation, U.S. Bureau of Reclamation, Shasta County, CA.** Principal-in-Charge for appraisal-level basis of engineering designs and cost estimates for evaluating enlargement of Shasta Dam and Reservoir (estimated over \$1 billion in construction). The original construction of Shasta Dam was completed in 1945 for water supply, flood control, hydropower generation, fish and wildlife conservation, and navigation. The primary purpose of the current project is to provide increased survival of anadromous fish populations in the upper Sacramento River, increased water supply reliability, and to the extent possible through meeting these objectives include features to benefit flood control, hydropower generation, and ecosystem restoration. Oversaw the preparation of engineering analyses, designs and cost estimates for dam and reservoir area infrastructure, including raising of the main concrete dam, earthen wing dams, and dikes around the rim of the reservoir up to 18.5 feet. Improvements are also required to highways, bridges, roads, marinas and miscellaneous facilities.

**LL Anderson Dam Spillway Modifications, Placer County Water Agency, Placer County, CA.** Project Manager (Phase 1) and Principal-in-Charge (Phase 2) for modifications to the spillway of the 251-foot high rockfill dam located on the Middle Fork of the American River at French Meadows Reservoir upstream of Folsom Dam. The unlined spillway cut into the fractured granodiorite bedrock needs to be expanded and

modified to reduce erosion potential and to handle the updated PMF. Previously managed and performed preliminary, final design and construction for Phase 1 of the project that expanded and modified the lower portion of the spillway. Phase 2 included modification of the upper portion of the spillway, including modification and/or replacement of the tainter gate control structure, deepening and widening of the spillway, and other miscellaneous components. Worked closely with regulatory and resource agencies to work through sensitive environmental issues including endangered and sensitive species, archaeological site preservation, noise, dust, traffic control, and other pertinent issues. Secure concurrence and/or applicable permits from FERC, DSOD, USFS, USF&W, USACE, CDF&G, SWRCB, and SHPO.

**Big Tujunga Dam Rehabilitation, Los Angeles County Department of Public Works, Los Angeles County, CA.** Project Manager/Principal Engineer for the planning and final design of the Big Tujunga Dam Rehabilitation Project, a 251-foot high variable radius thin arch dam located in Los Angeles County. The dam was built in the early 1930s for flood control and has water conservation benefits. For nearly 30 years, the reservoir operating level has been restricted below normal pool due to seismic stability concerns and inadequate spillway capacity. Performed non-linear finite element analysis of the existing dam utilizing a dynamic joint opening and closing algorithm for relief of high tensile stresses developed during seismic conditions. Developed six general rehabilitation concepts and performed linear finite element analyses for each. In addition, several alternative spillway types and configurations were investigated. Flood routing was performed to determine energy dissipating characteristics at the toe of the spillway. The preferred modification concept involves strengthening the dam by adding concrete against the downstream side of the dam to create a thick-arch dam to meet the current high seismic loading criteria and construction of a new ogee crest spillway with flip-bucket. In addition, the project includes a new valve house and outlet works, new control house, new RCC access road, electrical rehabilitation, lighting, controls and instrumentation. Completed final detailed design of the approved rehabilitation concept in close coordination with DSOD staff and other resource agencies.

**Santa Anita Dam Re-Analysis and Preliminary Design Studies, Los Angeles County Department of Public Works, Los Angeles County, CA.** Project Manager/Principal Engineer for re-analysis and preliminary design studies for Santa Anita Dam, a 225-foot high concrete arch dam built in 1924-27 for flood control and water conservation. The primary issues of concern include Alkali-Aggregate Reaction (AAR) within the dam concrete, seismic stability to withstand the current Maximum Credible Earthquake (MCE), hydraulic adequacy of the existing spillway to handle updated Probable Maximum Flood (PMF), and sedimentation behind the dam. Performed engineering/safety inspection and investigations of the dam including drilling concrete cores to assess the existing condition of the concrete (including petrographic analysis). Design earthquakes were developed using actual ground motion records scaled to spectrally match a target spectrum, and linear-elastic and non-linear finite element analyses were performed to assess the seismic stability of the dam. Updated hydrologic analyses were performed to develop inflow hydrology for evaluation of the existing spillway. Six rehabilitation concepts were developed and analyzed including a full downstream buttress, two different types of partial downstream buttress alternatives, upstream thickening, anchoring, and modification of the dam and outlet works to convert the dam into a free-draining debris basin. Worked closely with DSOD staff in their review and approval of these rehabilitation / decommissioning concepts.

**Priest Rapids Dam, Grant County Public Utility District No. 2, Grant County, CA.** Project Manager and Principal Geotechnical Engineer for liquefaction and seepage studies and mitigation designs for the left and right embankment dams of this major hydroelectric project on the Columbia River. A seepage berm was designed for the right-wing dam and a gravel blanket was specified for the left-wing dam as seepage mitigation measures. Additional liquefaction potential studies are pending a new seismicity study of the region commissioned by the Federal Energy Regulatory Commission.

**San Clemente Dam Engineering Studies for EIR / EIS, California-American Water, Monterey County, CA.** Principal-in-Charge for development of alternatives to address seismic and hydrologic dam safety concerns for the San Clemente Dam located on the Carmel River, California. The concrete arch dam, constructed in the 1930s, needed rehabilitation for structural strengthening to withstand the Maximum Credible Earthquake (MCE) and modifications and/or additions to the existing spillway to pass the Probable Maximum Flood (PMF). In addition to the "no action" alternative, action alternatives include dam thickening, dam notching, dam removal,



and re-route of the Carmel River to the San Clemente Creek arm of the reservoir combined with dam removal and stream restoration. Each of the alternatives sought to address very sensitive environmental issues, including passage of anadromous steelhead fish populations, red-legged frog habitat, oak woodlands preservation, and noise, dust, and traffic concerns in the nearby town of Sleepy Hollow. Worked directly with the regulatory and resource agencies to address concerns, including the USACE, DWR, and NOAA Fisheries.

**Forest Knolls Pump Station and Pipeline, San Francisco Public Utilities Commission, San Francisco, CA.** Project Manager for a geotechnical investigation for the new Forest Knolls Pump Station. Investigations included soil and rock borings and geophysical investigations. The final report provided a seismic hazard assessment and geotechnical recommendations for construction of the pump station foundations, retaining walls, site work, and the water pipeline and utilities.

**Raw Water Lateral Replacement Study, Contra Costa Water District, Contra Costa County, CA.** Project Manager for a study that was used to identify and develop improvement projects on six of the District's raw water laterals for input into the District's Capital Improvement Program (CIP). The ultimate objective of the study was to reduce water losses, prevent potential damage to adjacent property, and improve the District's accounting or raw water use.

**Raw Water Facilities Improvement Program, Contra Costa Water District, Contra Costa County, CA.** Project Manager for CCWD's Raw Water Facilities Improvement Program. Projects included piping repairs and electrical upgrades to existing pumping plants and repairs to the Taylor Boulevard and North Main Street Landslides along the Contra Costa Canal. Services included geotechnical investigations, preliminary design reports, final design and engineering services during construction.

**San Luis Reservoir Low Point Improvement Project, Santa Clara Valley Water District, Merced, Santa Clara and San Benito Counties, CA.** Project Civil/Geotechnical Engineer for a \$5.6 million 3-year planning study for the San Luis Reservoir Low Point Improvement Project. The project was a CALFED planning study that addressed water quality and water supply reliability issues associated with the San Luis Reservoir, a 2-million acre-feet off-stream reservoir that stores water conveyed by the Delta Mendota Canal (USBR Central Valley Project) and the California Aqueduct (State Water Project). The "low point" refers to the summer months when the reservoir is drawn down and water quality decreases, thus impacting operations and delivery of water to the Santa Clara Valley Water District and other San Felipe Division customers. Over 75 alternatives were considered including new dams and reservoirs, expansion of existing reservoirs, pipelines, tunnels, pump stations, hydroelectric facilities, water treatment facilities, and institutional agreements. These alternatives were screened down to six feasible alternatives, including bypassing the existing San Luis Reservoir with new conveyance facilities, expansion of the existing Pacheco Reservoir to provide additional off-stream storage, an intake extension into a deeper part of the existing San Luis Reservoir, water quality treatment alternatives including algae management and dissolved air flotation, combination solutions, and the no project/no action alternative. Engineering studies and preliminary design layouts were completed to enough detail for input into the Feasibility Study and EIR/EIS.

**Mill Creek Flood Damage Reduction Project, US Army Corps of Engineers, Sacramento District, Tehama County, CA.** Project Manager for geotechnical scoping and design review for the \$9.1 million flood damage reduction project. Planned facilities include a diversion structure, diversion conduit, outfalls, levees/retaining walls for a retention basin, and stream improvements.

**Napa River/Napa Creek Flood Protection Project, US Army Corps of Engineers, Sacramento District, Napa County, CA.** Project Manager for geotechnical and sheet pile cofferdam/levee design for a \$10 million design- build to restore the flood plain in hydrocarbon-impacted reaches of the Napa River. The project included a geotechnical investigation program for sheet pile cofferdam/levee design to prevent inundation of the excavation area during construction. Design analyses included seepage, slope stability, settlement, heave potential and geotechnical design parameters for dewatering systems and sheet pile cofferdams. Developed plans and specifications for sheet pile cofferdams. Provide ongoing senior level geotechnical engineering support during construction.

**Sacramento River East Side Levee Strengthening Project, US Army Corps of Engineers, Sacramento District, Sacramento County, CA.** Project Manager / Senior Geotechnical Engineer for developing action alternative designs to address slope stability, seepage and erosion concerns along a 1,000-foot stretch of the Sacramento River east bank levee. Prepared design report that included civil, geotechnical and hydraulic/erosion control design analyses and conceptual plans and specifications, including on-site environmental mitigation. Also provide senior-level peer geotechnical review for the 12-mile east side levee strengthening project between Natomas Cross Canal and Powerline Road including erosion, slope stability, settlement, seepage and seismic stability.

**Turtle Bay Ecosystem Restoration Project, US Army Corps of Engineers, Sacramento District, Shasta County, CA.** Provided geotechnical/geologic desktop studies & reconnaissance. Provided recommendations for levees/berms, seepage, slope stability and future data acquisition.

**Lopez Dam Seismic Remediation Program, San Luis Obispo County Flood Control and Water Conservation District, San Luis Obispo County, CA.** Provided senior-level geotechnical engineering technical support and quality control as well as DSOD-liasion support for the Lopez Dam Seismic Remediation Program as part of the program management team overseeing the development of conceptual remediation solutions as well as preliminary design, final design and served as construction managers for the project. The selected alternative included removal of 575,000 cubic yards of the downstream berm of the dam, installation of approximately 2600 stone columns to strengthen the dam foundation, and reconstruction of the downstream face of the dam with a wider crest and downstream berm that totaled over 1.1 million cubic yards of fill. Other improvements included repairs to the spillway, grouting of the left abutment, construction of new outlet piping and outlet structure, and extension to six dam abutment drains.

**Geotechnical Services for SCA Peaker Powerplant, Sacramento Municipal Utility District, Sacramento, CA.** Project Manager for a geotechnical investigation and geotechnical construction engineering services for the new SCA Peaker Powerplant in Sacramento, California. Provided recommendations for foundations of the various facilities of the powerplant including drilled piers, shallow-spread footings, and reinforced concrete slabs for equipment skids. Provided plan review and geotechnical construction observation and engineering recommendations during construction. A final geotechnical construction report was prepared in accordance with requirements of the California Energy Commission.

**Hosler Dam Re-Analysis, City of Ashland, OR.** Supervising Engineer for the reanalysis of Hosler Dam, a variable-radius 114-foot high concrete arch dam owned and operated by the City of Ashland, Oregon. The scope of services for the seismic reanalysis included a review of regional seismicity, development of appropriate dynamic ground motions using actual earthquake records, and performance of dynamic structural analyses using the finite element method (FEM). Both linear and non-linear (joints incorporated into the model) FEM analyses were performed. Performed inundation mapping of downstream areas using a dam-break model for both PMF and fair-weather conditions. Updated the City's Emergency Action Plan (EAP) based on the inundation maps. Provided recommendations for an audible public emergency warning system. Results and recommendations were presented in public meetings. All work was performed in accordance with FERC guidance and approved by FERC.

**Biron Dam Stabilization, Consolidated Waterpower Company, Wisconsin Rapids, WI.** Provided senior engineering field supervision for installation of post-tensioned rock anchors to provide for rehabilitation of Biron Dam in Wisconsin Rapids, Wisconsin. Developed post-tensioning records to document compliance with recommendations published by the Post-Tensioning Institute (PTI). The purpose of the anchors was to provide stabilization of the concrete gravity dam in the event of the Probable Maximum Flood (PMF) on the Wisconsin River.

**Canal System Condition Assessment, Turlock Irrigation District, Turlock, CA.** Project Manager for a comprehensive condition assessment of a 250-mile canal system owned and operated by the Turlock Irrigation District. The condition assessment consisted of working in several teams to walk the entire system to evaluate structural, geotechnical, mechanical and electrical condition of the entire system. Developed an effective scoring system with weighting criteria to assess the condition of various facilities within the system, including canal

linings, drop structures, gate structures, pipelines, siphons, spillways and other appurtenant facilities. All data was recorded and entered into a customized database. The final report provided recommendations for prioritization of repairs and upgrades for the long-term Capital Improvement Program. The database was turned over to the client for continuing updating of priorities as new inspections are made each year.

**FERC Project 184, El Dorado Irrigation District, El Dorado County, CA.** Assisted in the preparation of permitting documents for FERC Project 184, owned by the El Dorado Irrigation District (EID) a 21-megawatt (MW) project located on the South Fork of the American River (South Fork) and its tributaries in the counties of El Dorado, Alpine, and Amador, California. The project includes four storage reservoirs, water conveyance facilities consisting of flumes and tunnels, a diversion dam on the South Fork, several smaller diversions on tributaries to the South Fork, a forebay, penstock, and powerhouse. Water is conveyed from the El Dorado Diversion Dam to the Powerhouse through the 22.3-mile long El Dorado Canal. Various sections of the Canal were severely damaged by landslides caused as a result of the January 1997 storms. Served as part of the Program and Construction Management (PM/CM) team for the reconstruction of the 1997 flood damaged diversion dam, canal sections, and powerhouse as well as the construction of the Mill to Bull Tunnel.

**Sea Ranch Reservoir Dam Stability Evaluation, Farella, Braun and Martel, Sonoma County, CA.** Project Engineer for stability evaluation of the Sea Ranch Reservoir Dam, a 60-foot high earth embankment dam. A field and laboratory investigation program included soil borings, test pits, and piezometer installation/monitoring. The field and laboratory data were used to support seepage and slope stability analyses, including static, seismic, and rapid drawdown conditions. Assisted in the development of several rehabilitation concepts. The preferred concept includes a downstream buttress, an internal drainage blanket, raising and widening of the dam crest to increase freeboard, and enhanced upstream slope protection consisting of geocell filled with riprap. The approved concept design report was submitted to DSOD for approval prior to final design.

**Kaweah River Rock Project Stability Evaluation, Kaweah River Rock Company, Tulare County, CA.** Project Engineer for analysis of various levee configurations. Performed slope stability analyses for each levee configuration at several different river stages.

**Walnut Creek Bank Protection, Contra Costa County Central Sanitary District, Walnut Creek, CA.** Project Engineer for design of stream bank protection alternatives. High flows progressively eroded the stream bank in downtown Walnut Creek, threatening to undercut a sewer main buried near the right embankment. Developed bank protection alternatives with associated cost estimates and risk-factors to the District, which included riprap, slope revetment, reinforced shotcrete with soil nails, and a gabion wall. The most cost-effective solution which provided adequate bank protection was the reinforced shotcrete with soil nails. Developed final design plans and specifications for the selected alternative.

**Matilija Dam Stability Evaluation, Ventura County Flood Control District, Ventura County, CA.** Assistant Project Manager/Project Engineer for a stability evaluation of the Matilija Dam. The dam is a concrete arch structure that has undergone Aggregate-Silica Reaction (ASR) since construction in 1946-47. Reviewed, compiled, and performed a statistical evaluation of previous test data and finite element analyses, and presented a proposed approach to DSOD for implementation of an updated stability evaluation of the dam. Upon acceptance by DSOD, performed the updated stability analysis for initial static, seismic and PMF loading conditions. The dam was found to be stable under the updated loading conditions.

**Pine Flat Dam Landslide Stabilization, Kings River Conservation District, Fresno County, CA.** Project Engineer for the design of landslide stabilization measures/rockfall protection above the powerhouse. Performed rockfall simulation analyses with the Colorado Rockfall Simulation Program (CRSP). Mitigation measures included regrading and surface drainage features, subsurface horizontal drains, and high-impact rockfall protection fences.

**American River Pump Station, Placer County Water Agency, Placer County, CA.** Project Manager/Project Engineer for the American River Canyon Pump Station and Water Conveyance Project. Managed geotechnical aspects of preliminary and final design studies. Five potential pump station sites and associated pipeline alignments were evaluated with respect to geologic/geotechnical issues such as seepage, landslides, seismicity, and

slope stability, as well as constructability and cost efficiency. Performed geotechnical design investigations and analyses and provided recommendations for the preferred site.

**Camino Penstock Stabilization, Sacramento Municipal Utility District, El Dorado County, CA.** Project Manager / Project Engineer for stabilization of the 1,500 ft. long and 10.5 to 12 ft. diameter Camino Penstock, which culminates in a powerhouse containing two 75 MW turbines. After 35 years of chronic slope movements and several engineering studies by others, provided design engineering services as part of an \$8 million, design-build stabilization of the penstock slope. Managed and performed final design analyses, prepared plans and specifications, and developed a long-term post-construction monitoring plan consisting of survey data, piezometers, load cells, extensometers and slope inclinometers; and managed CQA/CQC for the project. The selected stabilization system consists of a grouted "gravity structure" along the lower 250 feet of the west side of the penstock, constructed by grouting and doweling the in-place toppled bedrock. The toppling movement was stabilized by tying the "gravity structure" and bedrock upslope of the "gravity structure" with forty-three 400-kip tendon anchors, spaced approximately 10 feet apart, reaching about 120 feet into the bedrock. The stabilizing forces required to be provided by the tendon anchors were determined using a rock toppling analytical model developed after Goodman and Bray and Ke, Goodman and Thapa. Additionally, three of the ring-girder foundations received anchor block support using tendon anchors to stabilize downslope sliding movements. The subsurface conditions, steep slope and limited access presented specialized engineering and construction challenges.

**Santa Felicia Dam Liquefaction Evaluation, United Water Conservation District, Ventura County, CA.** Project Engineer for geotechnical investigation of foundation conditions for the Santa Felicia Dam in Piru, California. Provided senior engineering review of analyses based on geologic logging of deep test pits and Becker Penetration Test soundings. The results of the investigation demonstrated that the existing dam is safe against liquefaction. All analyses were reviewed and accepted by FERC.

**Feather River Levee Failure Investigation, State of California Attorney General's Office, Plumas County, CA.** Participated in levee failure analyses under the direction of the principal-in-charge. Developed an instrumentation plan to quantify seepage paths and quantities to buttress the argument for likely mode of failure.

**Kings River Levee Seepage and Failure Analyses, ACWA / Joint Powers Authority, Fresno County, CA.** Project Engineer for levee failure and seepage analyses. Analyses were performed for various levee configurations and river levels to investigate and analyze possible modes of failure.

**Cordelia Pump Station Construction Monitoring, City of Vallejo, CA.** Monitored a large excavation and foundation installation for a new pump station constructed by the City of Vallejo. Geotechnical issues of concern included shoring system design construction dewatering and slope stability.

**Combie Dam Stabilization, Nevada Irrigation District, Placer County, CA.** Project Manager/Project Engineer for lift-off testing of post-tensioned anchors previously installed on the left and right abutments of the concrete arch dam. The anchors were installed to increase the stability of the dam under probable maximum flood (PMF) conditions.

**Los Vaqueros Water Project, Contra Costa Water District, Contra Costa County, CA.** Project Engineer for geotechnical analyses and design for the Old River Intake, Pump Station and Pipeline, which are part of the original \$450 million Los Vaqueros Water Project. The project was developed to ensure a safe and reliable supply of high-quality water for the Contra Costa Water District (CCWD), which withdraws most of its water supply from the Sacramento-San Joaquin Delta. The project includes a screened intake and pumping station on the Old River in the South Delta; several miles of large-diameter pipeline; a water transfer facility consisting of a flow control station, balancing reservoir, and pumping station; and a new 100,000-acre-foot Los Vaqueros Reservoir formed by a 220-foot-high zoned earth and rockfill dam. The primary geotechnical challenges for the Old River Pipeline and levees near the Old River Pump Station included deep pile foundation design, installation of sheet pile cutoff wall for stabilization/seepage control of the existing levee, incorporation of a new "set-back" levee into the existing levee, soft soils and peats, settlement, construction dewatering and deep foundation support for the new pump station.

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- Forrest, Michael; Newman, Erik; Hou, Susan; Roadifer, John; Lee, Tedman; Ng, Carmen; Wade, Daniel, Calaveras Dam Replacement Project from Conception in 2003 to Reality in 2018, technical paper in the proceedings of the USSD 2019 Annual Meeting and Conference, Chicago, IL, April 2019
- Roadifer, John; Forrest, Michael; Newman, Erik; Wade, Daniel; Hou, Susan; Lee, Tedman; Ng, Carmen, Update #3 of the Calaveras Dam Replacement Project, technical paper in the proceedings of the USSD 2017 Annual Meeting and Conference, April 2017
- Reed, Jerry; Eisenbraun, Rod; Wade, Daniel; Johnson, Dan; Martin, Jeff; Allen, Jeff, Risk Management for Dam Construction, USSD Committee on Construction and Rehabilitation Sub-Committee on Risk Sharing White Paper, June 2017
- Hou, Susan; Lee, Tedman; Johanson, Alan; Wade, Daniel, Risk Management for Dam Construction Projects – An Owner’s Perspective, technical paper in the proceedings of the USSD 2016 Annual Meeting and Conference, April 2016
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- Forrest, Michael; Roadifer, John; Wade, Daniel L.; Lee, Tedman; Ng, Carmen, Update #2 of the Calaveras Dam Replacement Project, technical paper in the proceedings of the USSD 2015 Annual Meeting and Conference, April 2015
- Leach, Steve; Roadifer, John; Freeman, Craig; Wade, Daniel L.; Hou, Susan, Securing Approvals for Large Scale Soils Disposal at a Dam Replacement Project, technical paper in the proceedings of the USSD 2014 Annual Meeting and Conference, April 2014
- Kelson, Keith; Respass, Phil; Newman, Erik; Wade, Daniel L.; Hou, Susan; Tang, Gilbert, Engineering Geologic Conditions at the Calaveras Dam Replacement Project, Alameda County, CA, technical paper in the proceedings of the USSD 2014 Annual Meeting and Conference, April 2014
- Forrest, Michael; Roadifer, John; Wade, Daniel L.; Hou, Susan; Tang, Gilbert, Update on the Calaveras Dam Replacement Project, technical paper in the proceedings of the USSD 2014 Annual Meeting and Conference, April 2014
- Bair, Jeffrey M; King, Terence M.; Mueller, Christopher G.; Wade, Daniel L.; Hou, Susan, Dam Foundations and Differing Site Conditions – Calaveras Dam Replacement Project, technical paper in the proceedings of the USSD 2014 Annual Meeting and Conference, April 2014
- Forrest, Michael; Wong, Noel; Roadifer, John; Wade, Daniel L.; Tang, Gilbert, Development of the Calaveras Dam Replacement Project – Challenges and Solutions, technical paper in the proceedings of the USSD 2013 Annual Meeting and Conference, February 2013
- Forrest, Michael; Roadifer, John; Wong, Noel; Wade, Daniel L.; Tang, Gilbert, Calaveras Dam Replacement, technical paper in the proceedings of the 81st Annual Meeting of the International Commission on Large Dams (ICOLD), August 2013
- Iso-Ahola, Vik; Tarbox, Glenn; and Wade, Daniel, Big Tujunga Dam Seismic Rehabilitation and Spillway Modification Project, technical paper in the proceedings of the 2008 USSD Conference, Portland, OR, April 2008.
- Klein, John; Iso-Ahola, Vik; Pratt, Jeremy; Wade, Daniel L., San Clemente Dam: An Example of Funding Barriers in Dam Removal, technical paper in the proceedings of the World Environmental and Water Resources Congress 2007, May 2007
- Rogers, David K., Moffitt, Christopher J., Wade, Daniel L., Goodman, Richard E., Harlan, Richard C., and Hall,

Ron, The Penstock Puzzle, article published in Civil Engineering Magazine, ASCE, Reston, VA, November 2000.

Marachi, N. Dean and Wade, Daniel L, A Quick Method for Safety Reanalysis of Concrete Dams, technical paper published in the proceedings of the 2000 ASDSO Annual Conference, Providence, RI, September 2000.

Wade, Daniel L.; Rogers, David K.; Mattson, Jon M.; Cassidy, John J.; and Harlan, Richard C, Spillway Modifications at French Meadows Reservoir, Placer County, California, technical paper published in the proceedings of the 20th USCOLD Lecture, Seattle, July 2000.

Rogers, David K.; Moffitt, Christopher J.; Wade, Daniel L.; Goodman, Richard E., Harlan, Richard C.; and Hall, Ron, Camino Penstock Stabilization, El Dorado County, California; technical paper published in the proceedings of the 20th USCOLD Lecture, Seattle, July 2000.

Wade, Daniel L, Construction of a Subtitle D Landfill and Closure of a Hazardous Waste Landfill, presentation made at the Western Regional Symposium of the Solid Waste Association of North America, Lake Tahoe, CA, May 1996.

Wade, Daniel L, Vertical Barriers for Subsurface Contaminant Control, technical paper written for the Charles E. Via, Jr. Department of Civil Engineering, Virginia Polytechnic Institute and State University, Blacksburg, VA, December 1992.

**William Rettberg, P.E.**

Vice President, Senior Principal Engineer



William Rettberg is a senior principal and vice president with GEI. He has served as a branch manager and director of GEI. Mr. Rettberg has performed complete engineering and project management services from planning and investigation through design and construction management on numerous projects throughout the United States and overseas. He has over 48 years of engineering and management experience, which includes a wide range of water resources and environmental projects. Mr. Rettberg's project experience also includes serving as an Independent Consultant for Federal Energy Regulatory Commission (FERC) Part 12D 5-yr Dam Safety Inspections. William's broad experience includes dam rehabilitation, hydroelectric projects, pipelines and penstocks, water supply, flood control levees, tunnels, tailing dams, waste impoundments, permitting and licensing, stormwater drainage and special projects. Of note is his experience on some world-class dams in the U.S. and Overseas. Within the past few years, he was the Independent Consultant for FERC 5-yr inspections on the highest (645 ft) concrete arch dam and one of the highest concrete faced rockfill (over 500 ft) dams in U.S.

**EDUCATION**

M.S. Civil Engineering, University of Colorado

B.S., Civil Engineering, University of Illinois

**EXPERIENCE IN THE INDUSTRY**

48 years

**EXPERIENCE WITH GEI**

24 years

**REGISTRATIONS AND LICENSES**

Professional Engineer, HI No. 12473

Professional Engineer, CA No. C55145

Professional Engineer, WA No.53530.

**PROJECT EXPERIENCE****FERC Part 12, SEED Dam Safety Inspections, and Dam Rehabilitation Projects.**

During the past 20 years, inspected over 200 significant and high hazard dams throughout the U.S. for power companies, water districts, and other dam owners. Served as the lead inspector and as a FERC-approved Independent Consultant (IC) for over 75 hydroelectric dams in California, Nebraska, and Colorado. Also served as a FERC-approved Independent Facilitator for over 30 Potential Failure Mode Analysis (PMFA) reviews and workshops. Has also inspected over 20 dams in Illinois, South Dakota, California, Oregon, Washington, and Nevada under the Safety Evaluation of Existing Dams (SEED) program for the U.S. Fish and Wildlife Service (USFWS). Types of dams inspected include earthfill, rockfill, concrete gravity, concrete arch, concrete faced rockfill, and masonry. Also managed a number of critical dam safety rehabilitation projects.

**Calero and Guadalupe Dams Seismic Retrofits Project, Santa Clara Valley Water District, San Jose, CA.** Project manager for planning and permitting for two critical dams above Silicon Valley for seismic, floods, and inlet/outlet improvements. Comprehensive investigations, feasibility of alternatives, environmental and permitting for projects more than \$150 million in estimated construction costs. Served as Senior QA/QC for the final design of Guadalupe Dam to include a stability buttress, enlarged spillway, sloping intake, and tunneled outlet work.

**El Dorado Forebay Dam Modifications Project, El Dorado Irrigation District, near Placerville, CA.** Project manager for investigations, feasibility analyses, and final design of modifications for

seismic, spillway, and other operational features. Dam is an off-channel impoundment that provide domestic water supply and as a forebay to a 22 Mw hydroelectric powerhouse on the South Fork of the American River west of Sacramento. Modifications include a stability buttress, raising the embankment 10 feet, spillway improvements, and new intake to the domestic water supply system.

**FERC Part 12 Safety Inspections, Pacific Gas and Electric Company (PG&E), Northern & Central CA.** Independent Consultant, and IF for PFMA workshops for FERC Part 12D inspections on over 100 hydroelectric power facilities in California during the past 20 years. These hydropower facilities include a wide variety of dam types including concrete arch, rockfill and earthfill embankments, rubble/masonry, roller compacted concrete, and concrete gravity dams, with heights ranging from 12 to 315 feet. Inspections of powerhouses with powerhouses up to over 1,000 Mw, spillways, and ancillary facilities have also been conducted.

**New Exchequer and McSwain Dams, FERC Part 12D Safety Inspections, Merced Irrigation District, Merced River, CA.** Independent Consultant for FERC Part 12D inspection of this nearly 500-foot-high New Exchequer dam, the highest concrete faced rockfill dam in the U.S. that impounds a one-million-acre-foot reservoir, Lake McClure. McSwain Dam is a smaller embankment dam that forms a re-regulation reservoir.

**Don Pedro Dam, FERC Part 12D Dam Safety Inspection, Turlock Irrigation District, Tuolumne River, CA.** Independent Consultant for FERC Part 12D inspection of this 585-foot earthfill and rockfill dam that impounds a two-million-acre-foot reservoir.

**New Bullards Bar, Our House, and Log Cabin Dams, FERC Part 12D Safety Inspections, Yuba County Water Agency, Yuba County, CA.** Independent Consultant for FERC Part 12D inspection of this 640-foot-high concrete arch dam that impounds a one-million-acre-foot reservoir on the North Fork Yuba River. The dam is the highest concrete arch dam in the U.S. Our House and Log Cabin Dams are smaller curved gravity dams on separate streams to divert water into New Bullards Bar Reservoir.

**Lake Alpine, McKay's Point, New Spicer Meadows and Utica Reservoir Dams, FERC Part 12D Safety Inspections, Northern California Power Agency, Various Locations, CA.** Independent Consultant for FERC Part 12D inspections of Lake Alpine and Utica Reservoir Dams, two low masonry dams. McKay's Point is a 242-foot concrete arch dam, and New Spicer Meadows is a 260-foot concrete-faced rockfill dam.

**FERC Part 12D Dam Safety Inspection, William E. Warne Power Complex, California Department of Water Resources, Various Locations, CA.** Co-Independent Consultant for five-year safety inspection for five critical dams and reservoirs located on the California State Water Project West and East Branch water delivery systems. Dams inspected included: Quail Lake, Pyramid, Elderberry, Cedar Springs, and Devil Canyon 2nd Afterbay. Participated in PMFA workshops for all dams, prepared STIDs, and Part 12D safety inspection reports. Pyramid Dam is 400 feet high.

**Pardee and Camanche Dams, FERC Part 12 Safety Inspections, East Bay Municipal Utility District (EBMUD), Northern CA.** Independent Consultant for five-year safety inspection, including PFMA for the Lower Mokelumne River Project, FERC Project No. 2916-CA developed by EBMUD. The project consists of Pardee Dam and Reservoir and Camanche Dam and Reservoir. The Pardee Main Dam is a 1337-foot-long concrete gravity structure that rises 345 feet above the Mokelumne riverbed. A 23.6 megawatt (MW) hydroelectric power plant at the base of Pardee Main Dam generates approximately 110 million kilowatt-hours (kW) of electric energy annually. The downstream Camanche Dam and Reservoir includes the Main Dam and six dikes. These structures are all zoned, compacted, earthfill embankments.

**FERC Part 12 Dam Safety Inspections, Sacramento Municipal Utility District (SMUD), Northern CA.** Independent Consultant for FERC Part 12 Dam Safety Inspections of SMUD's Upper American River Project, involving Loon Lake Main and Auxiliary Dam, Union Valley Dam, Junction Dam, Ice House Main and Auxiliary Dam, Brush Creek Dam, and Slab Creek Dam. The structures consist of embankment and concrete arch dams.

**Anderson Dam FERC Part 12 Safety Inspection, Santa Clara Valley Water District, Morgan Hill, CA.** Independent Consultant for three, five-year safety inspections and reports for this critical dam and reservoir located on Coyote Creek near Morgan Hill, CA.



**Mutaz B. Mihyar, P.E.**

Senior Engineer



Mutaz Mihyar is a civil engineer in GEI's Sacramento office, specializing in water resources. His background also includes knowledge of structural and foundation engineering as well as hydraulics and hydrology. Mr. Mihyar expertise includes providing dam rehabilitation, modification, and inspection services. He is experienced with reviewing and analyzing plans and specifications for the construction, enlargement, alteration, or repair of dams, reservoirs, and their appurtenances. Mr. Mihyar is also experienced with performing and reviewing specialized studies, hydrologic studies, stability studies, soil investigations, reevaluation, and preliminary planning.

Mr. Mihyar's inspection experience includes maintenance as well as construction inspections. Mr. Mihyar performed inspections for construction, repair, and/or alteration of over 100 dams. Mr. Mihyar also performed and supervised the inspection and surveillance program of over 500 operational dams in California, and reviewed results with owners to assure the safe operation of these dams.

Mr. Mihyar has also served as an Independent Consultant performing Federal Energy Regulatory Commission's (FERC) Part 12 Inspections, Probable Failure Mode Analysis (PFMA) and associated reports for 5 dams in California.

**EDUCATION**

B.S., Civil Engineer, California State University, Fresno

**EXPERIENCE IN THE INDUSTRY**

34 years

**EXPERIENCE WITH GEI**

One year

**REGISTRATIONS & LICENSES**

Professional Engineer, CA No. 49426

**PREVIOUS PROJECT EXPERIENCE****FERC's Part 12D and PFMAs****FERC Project 184-CA, Eldorado Irrigation District, Placerville, CA***Project Period:* July 2019 – June 2020*Title:* Independent Consultant*Billing Estimate:* 1 year

As a co-Independent Consultant, Mr. Mihyar performed the FERC Part 12D inspections, participated in the PFMA workshops and prepared all the associated reports (Part 12D and PFMA) and updates (STID) for Lake Aloha, Echo Lake, Silver Lake and Caples Lake Dams in California.

**FERC Project 3075-CA, Browns Valley Irrigation District, Browns Valley, CA***Project Period:* May 2019 – November 2019*Title:* Independent Consultant*Billing Estimate:* 6 months

As a co-Independent Consultant, Mr. Mihyar performed the FERC Part 12D inspections, participated in the PFMA workshops and prepared all the associated reports (Part 12D and PFMA) and updates (STID) for Lake Aloha, Echo Lake, Silver Lake and Caples Lake Dams in California.

**Project Management****Oroville Dam Spillway Recovery, California Department of Water Resources (DWR), Oroville, CA***Project Period:* February 2017 – August 2018*Title:* Division of Safety of Dams' Program Manager*Billing Estimate:* 1 year, 3 months

As the Program Manager for the Division of Safety of Dams for the Oroville Dam Spillways Recovery project, Mr. Mihyar matrix-managed a team of experts in the various engineering disciplines needed. He was involved in

the distribution of work, scheduling the review process, scheduling the coordination meetings with other agencies including FERC and the USACOE, chairing internal progress meetings, and developing due dates for completing reviews, culminating in approving the design plans and specifications as well as several revisions in a timely manner to meet the project's shortened schedule. Subsequently, He supervised the construction inspection work to ensure compliance with the approved plans and specifications. Mr. Mihyar matrix-managed another team of engineers to perform this task. During this task, he prepared the inspection schedules, ensured 24-hour coverage if needed, supervised the inspection work, performed inspections as part of the team, monitored submittals and Requests For Information (RFIs), monitored and evaluated design revisions, and reviewed inspection reports.

#### Construction Inspection Projects

##### **American River Common Features WRDA 2016 Project-ARS Basin Reach D, US Army Corps of Engineers, Sacramento, CA**

*Project Period:* November 2019 – January 2020

*Title:* Field Engineer

*Billing Estimate:* 3 months

Performed inspections and supervised the levee repair work for 450 feet of levee in Sacramento. The project involved constructing a drained buttress by including a chimney sand filter drain, and a blanket drain with a subdrain collection system.

##### **East Norfolk, Brookfield Renewable, Potsdam, NY**

*Project Period:* October 2019 – November 2019

*Title:* Field Engineer

*Billing Estimate:* 1 month

As the Field Engineer, Mr. Mihyar supervised the grouting project to eliminate sinkholes adjacent to the power canal training wall. The ground adjacent to the wall was stabilized with grouting. The seepage was reduced by over 200 gpm and sediment transport stopped.

##### **Norwood Development Dam, Brookfield Renewable, Potsdam, NY**

*Project Period:* June 2019 – July 2019

*Title:* Field Engineer

*Billing Estimate:* 1 month

As the Resident Engineer, Mr. Mihyar supervised the spillway grouting project to reduce excessive seepage. The project was successful in reducing the spillway seepage from 2000-3000 gallons per minute (gpm) to about 10 gpm.

##### **Rector Creek Dam, California Department of Veterans Affairs, Napa, CA**

*Project Period:* November 2018 – July 2019

*Title:* Field Engineer

*Billing Estimate:* 8 months

Supervised the spillway interim repairs project. The project included repairing numerous concrete cracks and spalls with structural patches to protect the spillway until permanent repairs are implemented.

##### **El Dorado Forebay Dam, Eldorado Irrigation District, Pollock Pines, CA**

*Project Period:* September 2018 – December 2018

*Title:* Field Engineer

*Billing Estimate:* 4 months

Performed construction inspections and oversaw the repair of the existing inlet tunnel structure and its new extension. The tunnel was extended another 500 feet using precast reinforced concrete box culvert.

**Olivenhain Dam, San Diego Water Authority, Escondido, CA**

*Project Period:* November 2000 – August 2003

*Title:* Regional Engineer-Southern California

*Billing Estimate:* 1 year, 4 months

Supervised the construction inspection of this 300-foot-high Roller Compacted Concrete (RCC) dam. This dam is considered the highest Roller Compacted Concrete dam in the U.S. Performed inspections, monitored submittals and RFIs, evaluated design revisions, and reviewed inspection reports.

**Diamond Valley Reservoir Dam, Metropolitan Water District of Southern California, Hemet, CA**

*Period:* April 1996 – November 1999

*Title:* Area Engineer

*Billing Estimate:* 2 years

Performed and supervised the construction inspections of this massive rock and earthfill 3-dam complex. The east dam was 2 miles long and 180 high, the west dam was 1.5 miles long and 280 feet high, and the saddle dam was 0.5 miles long and 270 feet high. This project is considered the largest earth-moving project in the U.S.

**Devil Canyon Second Afterbay Dam, Department of Water Resources, San Bernardino, CA**

*Project Period:* May 1993 – September 1995

*Title:* Field Engineer

*Billing Estimate:* 1 year, 2 months

Performed and supervised the construction inspections of this off-stream reservoir lined with asphalt-concrete liner which feeds southern California through three 108-inch pipelines.

**Marshburn Retarding Basin Dam, Orange County Flood Control and Water Conservation District, Irvine, CA**

*Project Period:* April 1997 – May 1998

*Title:* Area Engineer

*Billing Estimate:* 7 months

Performed and supervised the construction inspections of this flood control dam, including its outlet and spillway.

**Lopez Dam Rehabilitation and Repair Project, San Luis Obispo Water District, Grande, CA**

*Project Period:* November 2000 – August 2002

*Title:* Regional Engineer-Southern California

*Billing Estimate:* 6 months

Performed and supervised the seismic strengthening of this dam by installing over 2000 stone columns in the foundation and repairing the outlet and spillway.

**Big Dalton Dam Rehabilitation and Strengthening Project, Los Angeles County Flood Control District, San Dimas, CA**

*Project Period:* June 1996 – December 1997

*Title:* Area Engineer

*Billing Estimate:* 6 months

Performed and oversaw the seismic strengthening of this multiple arch dam by infilling the arch bays with mass concrete and rehabilitating the outlets.

**Devil's Gate Dam Rehabilitation and Strengthening Project, Los Angeles County Flood Control District, Glendale, CA**

*Project Period:* May 1993 – May 1995

*Title:* Field Engineer

*Billing Estimate:* 6 months

Performed and oversaw the seismic strengthening of this constant radius arch dam by buttressing the dam with mass concrete, enlarging the spillway and rehabilitating the outlets.

**Pacoima Dam Repair and Modification Project, Los Angeles County Flood Control District, Pacoima, CA**

*Project Period:* June 1998 – August 2002

*Title:* Area Engineer/Regional Engineer

*Billing Estimate:* 1 year

Performed and oversaw the seismic strengthening of this constant radius arch dam by installing prestressed multi-strand anchors in the abutment, enlarging the tunnel spillway and rehabilitating the outlets.

**DESIGN REVIEW PROJECTS****Upper Sand Creek Detention Basin Dam, Contra Costa County Flood Control and Water Conservation District, Antioch, CA**

*Project Period:* November 2008 – April 2010

*Title:* Project Engineer

*Billing Estimate:* 4 months

Performed and supervised the design review of the flood control embankment, reinforced concrete spillway, and reinforced concrete outlet works.

**Tulloch Dam, Oakdale Irrigation District & South San Joaquin Irrigation District, Jamestown, CA**

*Project Period:* June 1990 – December 1990

*Title:* Design Engineer

*Billing Estimate:* 5 months

Performed a complete hydrologic analysis of this 965-square miles watershed and evaluated the adequacy of the existing spillway to accommodate the anticipated flows.

**Haiwee Dam, Los Angeles Department of Water and Power, Lone Pine, CA**

*Project Period:* November 2008 – July 2018

*Title:* Project Engineer

*Billing Estimate:* 6 months

Supervised the design review of this replacement dam. The existing dam is seismically unstable due to liquefaction problems. The new dam downstream of the existing one will be founded on alluvium strengthened by Cement-Deep-Soil-Mixing techniques.

**Lakeview Dam, Riverside County Flood Control and water Conservation District, Perris, CA**

*Project Period:* February 1992 – May 1993

*Title:* Design Engineer

*Billing Estimate:* 10 months

Performed a complete design review of this new flood control facility including foundation evaluations, embankment stability analysis, hydrologic analysis of the watershed, hydraulic analysis of the spillway and outlet, and structural evaluation of the reinforced concrete spillway and outlet. Inspected the project during construction and ensured compliance with the approved plans and specifications.

**Bear Gulch Dam, California Water Service Company, Atherton, CA**

*Project Period:* April 2013 – August 2017

*Title:* Project Engineer

*Billing Estimate:* 4 months

Supervised the seismic stability analysis of this earth embankment dam and coordinated with the owner/engineer alternatives for repairs to stabilize the structure during seismic shaking.

**Vail Dam, Rancho California Water District, Escondido, CA**

*Project Period:* July 2014 – August 2016

*Title:* Project Engineer

*Billing Estimate:* 3 months

Supervised the outlet works hydraulic capacity evaluation and the hydrologic analysis and spillway hydraulic capacity evaluation. Both appurtenant structures were found to be inadequate and worked with the owner on formulating repair plans.

AWARDS

Outstanding Professional Accomplishment Award & State Sustained Superior Accomplishment Award, 1995

Northridge Earthquake Response, 1994: Unit Citation

Diamond Valley Reservoir Dam, 1999: Unit Citation

Olivenhein Dam: Unit Citation

Big Tujunga Dam Rehabilitation Project, 2009: Unit Citation

**Christopher Slack, P.G. C.E.G.**

Senior Engineering Geologist

Christopher Slack is a Senior Engineering Geologist who specializes in conducting and managing engineering geologic studies to support design, feasibility, site characterization, and geologic hazard assessment projects throughout north America and abroad. His project experience encompasses dams and embankments; water-systems infrastructure, including tanks, water conveyance tunnels, pipelines, and penstocks; transportation; nuclear facilities; hospitals; and evaluation of seismic and geologic hazards for various critical and non-critical facilities. Mr. Slack is an expert in field geology and at integrating and interpreting geologic data sets. His skills include: geologic/geomorphic mapping, structural geology and rock-slope engineering, paleoseismic trenching, soil stratigraphy, and LiDAR and aerial photograph analysis and interpretation.

Mr. Slack has participated in several spillway specific PFMA workshops, and P12 inspections providing geologic insight and recording capabilities. He has worked on numerous PG&E facilities.

## PROJECT EXPERIENCE

**Nacimiento Dam and Hydroelectric Project Seventh 5-year Part 12D Safety Inspection, Monterey County Water Resource Authority, Monterey County, CA.** Engineering Geologist. Core team member performed one day site-inspection and participated in 5-day Potential Failure Mode Analysis (PFMA) workshop with FERC. PFMA also included a spillway-specific failure mode analysis, based on the 2017 spillway assessment.

**2017 Spillway Condition Assessment Inspections of Four Dams, Pacific Gas & Electric Company, Plumas and Shasta County, CA.** Engineering Geologist. Conducted detailed visual inspection of four spillways in the northern Sierra Nevada. Facilities include: McCloud Dam, Lower Bucks Lake Dam, Macumber Dam, and North Battle Creek Dam spillways. Facilities included: concrete arch dams with concrete lined spillways, rock and mortar spillways with gunite cover, and earthen embankment dams with concrete slabs and large swing gates. All spillways due to their steep slopes of  $\geq 30^\circ$  and remote locations required rope access techniques to perform the visual assessments. Slope stability adjacent to spillways was key concern at all sites.

**Upper North Fork Feather River Penstock Inspections, Pacific Gas and Electric Company, Plumas County, CA.** Engineering Geologist. Evaluated the condition of 5 penstock systems for geologic hazards, including: fluvial erosion, landslides, large scale creep, undermining of footings, degradation of system components (i.e. damage to pipes, etc.). Study included aerial helicopter reconnaissance, aerial photograph interpretation, and field mapping. Penstocks included: Caribou 1 and 2, Belden Siphon, Belden Penstock, and Butt Valley.

**New Bullards Bar, Our House, Log Cabin Dams 5-year Part 12D Safety, Yuba Water Agency (YWA), Yuba County, CA.** Engineering Geologist/Recorder. Participated in P12 inspection and PFMA session, generating updated reports for submittal to FERC. Sites included three concrete arch dams that range in height from 645-to-75-feet high. Understanding the geologic foundation conditions were key attributes at all three sites.

**Feather River Penstock Inspections, Pacific Gas and Electric Company, Plumas County, CA.** Engineering Geologist. Evaluated the condition of 3 penstock systems for geologic hazards, including: fluvial erosion, landslides, large scale creep, undermining of footings, degradation of system components (i.e. damage to pipes, etc.). Study included aerial helicopter reconnaissance, aerial photograph interpretation, and field mapping. Penstocks included: Bucks Creek, Cresta, and Rock Creek.

**Evaluation of Large Landslides Along the Pit River Big Bend Area, Pacific Gas & Electric, Shasta County, CA.** Geologic Mapping Team Member. Constructed a geomorphic map of the Pit River Big Bend area,



## EDUCATION

M.S., Geology, Humboldt State University  
B.S., Geology, Northeastern University

EXPERIENCE IN THE INDUSTRY  
14 years

EXPERIENCE WITH GEI  
3 year

REGISTRATIONS AND LICENSES  
Professional Geologist, CA No. 8994  
Certified Engineering Geologist, CA  
No. EG-2638  
Certified Engineering Geologist, OR  
No. E2634  
SPRAT LEVEL 1 Rope Access

focused upon mega landslides of late Pleistocene to Holocene in age. Desktop analysis of LiDAR, traditional reconnaissance, and aerial mapping via a helicopter was performed to define the limits of the landslides to assess the respective hazard to nearby dams on the river.

**Spillway Condition Assessment Inspections for Cogswell and San Gabriel Dams, Los Angeles County Department of Public Works, Los Angeles County, CA.** Engineering Geologist. Conducted detailed visual inspection of two spillways of sizeable embankment dams located in the San Gabriel Mountains of Southern California. Inspection at both facilities included: detailed geologic mapping, analysis of UAV imagery and point cloud data, extensive records review of previous studies, construction memos, and historic photographs. Both facilities required rope access to safely inspect the steeper portions of the spillways.

**Oroville Dam Spillway Condition Needs Assessment Task 1, California Department of Water Resources, Oroville, CA.** Engineering Geologist. Tasks included an extensive review of: original construction records, forensic studies, and geotechnical data acquisition that occurred following the Oroville incident; as well as, on-site observation of the foundation condition of the flood control outlet and emergency spillway. Purpose of the CNA Task 1 is to perform a spillway design alternative analysis for a spillway arrangement that can convey the PMF.

**Crane Valley, Manzanita, and Kerckhoff Dams 5-year Part 12D Safety Inspection, Pacific Gas & Electric Company, Madera County, CA.** Engineering Geologist/Recorder. Participated in P12 inspection and PFMA session generating updated reports for submittal to FERC. Sites included one earth embankment and two concrete arch dams. Construction history and geologic conditions were key attributes at all three sites.

**San Antonio Dam Spillway Inspection, Monterey County Water Resource Authority, Monterey County, CA.** Engineering Geologist. Conducted detailed visual inspection of 50-year-old concrete spillway. Inspection included soundings of a flat floored slab that transitions into a super-elevation foundation, with vertical spillway walls. Defects, previous repairs, and a crack map was drafted as part of the first phase of the study. Additionally, the as-built design, construction, and foundation geology were assessed. A detailed log at a scale of 1"=10' was constructed for an exposure of the Rinconada fault zone, which traverses through the weir of the spillway. A review of the erodibility of the runout channel due to the discontinuity orientations was also performed.

**Spaulding Dam Erodibility Study, Pacific Gas & Electric Company, Nevada County, CA** Engineering Geologist. Conducted geologic engineering analysis of rock quality in a bedrock spillway to assess the erodibility index susceptibility. Made detailed observations of rock joint characteristics including roughness, aperture, strike and dip, etc. Rope access (rappelling) techniques were required to collect the data for the analysis.

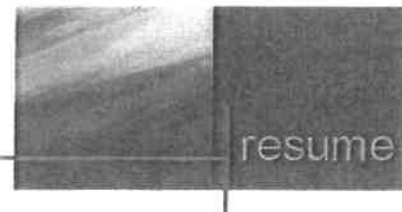
**New Exchequer Dam Inspection, Merced Irrigation District, Merced County, CA.** Engineering Geologist. Conducted analysis of upstream concrete facing, of 490-foot high rock-fill dam. Rope access (rappelling) techniques were required to access the steep-sloping concrete dam face. Used field observations in conjunction with xyz data acquired from an unmanned aerial vehicle (UAV) to assess the kinematics of the deformation to the dam. The point cloud data set proved instrumental to characterize the extent and locations of the deformations. Inspection observations were used to develop a repair program for the concrete dam face.

**New Bullards Bar Dam Spillway Condition Assessment Inspection, Yuba Water Agency (YWA), Yuba County, CA.** Engineering Geologist. Conducted detailed geologic mapping specific to the spillway. Bedrock at the site consisted of the foothills metamorphic belt. Inspection also included analysis of UAV imagery and point cloud data, extensive records review of construction documentation, and drain testing. Findings were presented to DSOD and FERC. Participated in the spillway focused PFMA with FERC & DSOD.

**Boca Dam and Prosser Creek Dam Seismic Hazard Evaluation, U.S. Department of the Interior Bureau of Reclamation, Nevada County, CA.** Seismic Hazard Team Member. Desktop study evaluating the probabilistic seismic hazard and probabilistic fault displacement hazard analysis for two earth embankment dams in the northern Sierra Nevada Walker Lane tectonic deformation belt. Considered earthquake hazard from many fault systems in the Northern Sierra Nevada. Utilized existing LiDAR data to refine, the activity, location/length of fault(s), and potential fault rupture linkage scenarios. The fault rupture model was used to develop uniform hazard response spectra at ground motion return periods of 1,000, 2,000, 10,000, 20,000, and 50,000 years.

**Isabelle Rawlings, P.E.**

Senior Engineer



Isabelle Rawlings is a registered Civil Engineer in GEI's Oakland office with experience in design, analyses, and field engineering on a range of water resource projects including dams, levees and other hydraulic and flood control structures. Her range of services include geotechnical site reconnaissance and characterization; engineering analyses including slope stability, seepage, and hydraulic and flood routing analyses dams, levees and other structures; dam safety inspections and conditions assessments; design drawing and specification preparation; construction observation and inspection, and construction management support.

Her project experience includes FERC Part 12D dam safety inspections, flood control structures analyses and design, planning and feasibility studies, and construction. Ms. Rawlings has served in a range of in-house and field responsibilities.

## PROJECT EXPERIENCE

**2019 FERC Part 12D Inspections for Crane Valley, Chili Bar, Manzanita Lake, and Kerckhoff Dams, Pacific Gas and Electric Company (PG&E), Various Locations, CA.** Project Engineer responsible for preparation of the Part 12D Safety Inspection Reports, Potential Failure Mode Analysis Reports, and STID updates for four dams in various PG&E FERC Projects. Work included review of historical information and design drawings, revision of the supporting technical information document, and organization of observations, evaluations, and recommendations made based on the field inspection. Fulfilled recorder role for Part 12D field inspections and Potential Failure Mode Analysis Workshops. Field inspections and failure mode workshops included intensified observation of the associated spillway structures at each dam project, as well as increased scrutiny with respect to spillway-related potential failure modes.

**2019 FERC P12D Inspections for New Bullards Bar, Log Cabin, and Our House Dams, Yuba Water Agency, CA.** Project Engineer responsible for preparation of the Part 12D Safety Inspection Report for New Bullards Bar Dam, and STID updates for New Bullards Bar, Log Cabin, and Our House Dams. Work included review of historical information and design drawings, revision of the supporting technical information document, and organization of observations, evaluations, and recommendations made based on the field inspection.

**2019 FERC Part 12D Inspection for Virginia Ranch Dam, Browns Valley Irrigation District, Browns Valley, CA.** Project Engineer responsible for preparation of the Part 12D Safety Inspection Report, Potential Failure Mode Analysis Reports, and STID updates for Virginia Ranch Dam. Work included review of historical information and design drawings, revision of the supporting technical information document, and organization of observations, evaluations, and recommendations made based on the field inspection. Fulfilled recorder role for Part 12D field inspections and Potential Failure Mode Analysis Workshops.

**2018 FERC Part 12D Inspections for Lake Spaulding, Lake Valley, Kidd Lake, Meadow Lake, and Upper Peak Lake Dams, Pacific Gas and Electric Company (PG&E), Various Locations, CA.** Project Engineer responsible for preparation of the Part 12D Safety Inspection Reports, Potential Failure Mode Analysis Reports, and STID updates for five dams in the Drum-Spaulding Hydroelectric Projects. Work included review of historical information and design drawings, revision of the supporting technical information document, and organization of observations, evaluations, and recommendations made based on the field inspection. Fulfilled recorder role for Part 12D field inspections and Potential Failure Mode Analysis Workshops. Field inspections and failure mode workshops included intensified observation of the associated spillway structures at each dam project, as well as increased scrutiny with respect to spillway-related potential failure modes.

## EDUCATION

M.S., Geotechnical Engineering,  
University of California, Berkeley  
B.S., Civil Engineering, specialization in  
Geotechnical Engineering, California  
Polytechnic State University, San Luis  
Obispo

## EXPERIENCE IN THE INDUSTRY

6 years

## EXPERIENCE WITH GEI

5 years

## REGISTRATIONS AND LICENSES

Professional Engineer, CA No. 87460  
HAZWOPER Certified, No. 754979445



**Security Plan Update for Nacimiento Dam, Monterey County Water District, Monterey County, California.** Prepared updated Security Plan for Nacimiento Dam to adhere to updated FERC regularity guidelines. Included evaluation of existing site security and recommendations for improvement.

**Lost Lake Dam, Lava Cap Mine Superfund Site, Environmental Protection Agency (EPA), Nevada County, CA.** Currently serving as Project Manager in support of the EPA's remedial investigation/feasibility study to address arsenic contamination associated with the Lava Cap Mine Lost Lake Dam. Work included preparation of a Geotechnical Exploration Work Plan and other documents to support the EPA Headquarters' invasive investigations Consultation Process. Conducted geotechnical exploration using sonic, rotary wash, and hollow-stem auger drilling methods, and prepared Geotechnical Data Report. Results will be incorporated into a Geotechnical Interpretive Report (including existing Deterministic Seismic hazard Assessment [DSHA], geotechnical site characterization, existing conditions static and seismic stability assessment of the dam), and design and evaluation of remedial alternatives.

**Spillway Conditions Assessments, Lenihan and Stevens Creek Dams, Valley Water, Santa Clara County, CA.** Currently serving as project Engineer leading the visual assessment, field inspection, and non-destructive geophysical evaluation of concrete spillway structures at Lenihan and Stevens Creek Dams in Santa Clara County. Observations of the existing spillways included noting the condition of the spillway concrete (including joints, previous repairs, offsets, weepholes, etc.) and any exposed bedrock or foundation conditions. Findings from the visual and geophysical investigation will be combined with geologic review and evaluation of the existing spillway designs to develop Conditions Assessment, Problem Definition Report (PDR), and design of spillway retrofit.

**Stanislaus Forebay Potential Failure Modes Analysis, Pacific Gas & Electric Company, Angels Camp, CA.** Project Engineer responsible Potential Failure Modes Analysis Report of Stanislaus Forebay Dam based on planned low-level outlet abandonment. Work included review of historical information and design drawings, development of Potential Failure Modes, participation and recorder of Failure Modes Workshop, and preparation of Potential Failure Modes Analysis Report. Fulfilled recorder role for Potential Failure Mode Analysis Workshops.

**Guadalupe Dam Spillway Potential Failure Modes Analysis, Santa Clara Valley Water District, San Jose, CA.** Project Engineer responsible Potential Failure Modes Analysis Report of Guadalupe Dam spillway based on spillway conditions assessment performed in 2017. Work included review of historical information and design drawings, development of Potential Failure Modes, and development or recommendations and interim risk reduction measures. Fulfilled recorder role for Potential Failure Mode Analysis Workshops.

**Guadalupe Dam Seismic Retrofit Project, Santa Clara Valley Water District, San Jose, CA.** Lead design engineer for retrofit of 129-foot high compacted earth embankment. Design responsibilities includes earthfill buttress, internal filter and drainage system, and geotechnical instrumentation. Also served as hydraulic designer to evaluate a new tunneled outlet works system for capacity and drawdown criteria. Prepared geotechnical and hydraulic recommendations, technical calculations and reports. Developed plans and specifications. Developed and performed seepage, stability and deformation modeling.

**San Anselmo Flood Risk Reduction Project, Marin County Flood Control and Water Conservation District, San Anselmo, CA.** Currently serving as deputy manager and lead design engineer for design and assessment of multi-structure flood control system including detention basin, diversion and spillway structure, creek realignment and expansion, and flood wall. Oversaw geotechnical exploration program which included hollow stem auger and rotary wash drilling methods. Prepared site characterization, geotechnical design criteria and recommendations, basis of design and other design documents. Prepared Plans, Specifications, and Estimates.

**Trembath Basin Seismic Assessment, Contra Costa County Flood Control and Water Conservation District, Antioch, CA.** Served as lead for the design and seismic assessment of detention basin embankment. Designed embankment, foundation treatment, internal drainage, and outlet works facilities. Performed site characterization, site-specific deterministic seismic analysis, liquefaction susceptibility analyses, seepage, slope stability and deformation modeling, and settlement analysis. Prepared design report and recommendations, exploration work plan, plans, and technical calculations.

**Spillway Conditions Assessment, Guadalupe Dam, Santa Clara Valley Water District, San Jose, CA.** Served as project engineer assisting in the visual assessment and inspection of the concrete spillway structure at Guadalupe Dam. Visual assessment included conditions of the concrete such as jointing, cracking, signs of delamination. Also assisted with non-destructive testing of spillway including impulse response, ground-penetrating radar, and impact echo testing to evaluate thickness of concrete and potential for voiding beneath spillway slab. Prepared conditions assessment report and provided recommendations for the replacement of spillway based on findings of both the visual and non-destructive evaluations.

**El Dorado Forebay Dam Upgrades, El Dorado Irrigation District, Pollock Pines, CA.** Served as design engineer during construction for design accommodations requested by client and contractor. Design services included outlet works hydraulic gate design, trash rack, and pipeline design. Provided other engineering services including responding to RFIs. Construction on-going.

**Black Butte Re-Regulation Basin Erosion Repair Project, City of Santa Clara, Orland, CA.** Lead design engineer for basin bank erosion repair project. Re-regulation basin downstream of Black Butte Dam outlet exhibited major bank erosion during large releases. Developed and designed three erosion repair alternatives using USACE and Caltrans methods. Developed alternatives report including assessment methodology, and feasible alternatives matrix. Once preferred repair alternative was selected, developed plans, specifications and estimate to final design. Provided engineering services during construction including RFI and submittal responses, estimating and reporting.

**San Gabriel Coastal Spreading Grounds Levee Retrofit Project, Los Angeles County Department of Public Works, Pico Rivera, CA.** Lead design engineer for levee cutoff wall design. Reviewed and interpreted geotechnical data to perform site characterization, and seepage and stability modeling. Evaluated cutoff wall configurations for seepage, constructability and economy. Prepared design report, plans, and specifications.

**Park Tower Transbay Development (Block 5), Construction Testing Services (CTS) and Clarke Contractors, Inc., San Francisco, CA.** Field Engineer for non-destructive testing including impulse response of Case-in-Drilled-Hole concrete pile shafts to assess integrity. Piles installed as part of the San Francisco Transbay Development. Based on results, recommended concrete coring of piles. Performed concrete core logging, analysis of impulse response data, and analyzed results.

**Dam Safety Surveillance and Monitoring Report/Plans, Pacific Gas & Electric Company, Various Sites, CA.** Evaluated yearly inspection and instrumentation data for various dams to prepare Dam Safety and Surveillance Monitoring Reports based on requirements by the Federal Energy Regulation Commission (FERC). Used annual results to provide dam safety recommendations.

**Merced Falls Embankment Seismic Stability Study, Pacific Gas & Electric Company, Merced Falls, CA.** Performed seepage and stability assessment of Merced Falls Dam under several conditions using SLOPE-W software. Performed seismic deformation analyses, including interpretation of geotechnical data and site characterization. Prepared conditions assessment report and recommendations.

**Iron Mountain Mine Tracer Study, Iron Mountain Operations, Redding, CA.** Lead design engineer for hydrologic tracer study to landfill fate evaluation at the Iron Mountain Mine EPA Superfund site. Field engineer for exploration including logging and sampling, and report preparation. Project ongoing.

**Brown's Creek Diversion Dam, Pacific Gas & Electric, Bass Lake, CA** Staff engineer for field inspection to assess voids observed beneath downstream toe of concrete dam. Work included review of historical information and design drawings, organization of observations during field inspection, and engineering technical support for recommendations.

# CONTINUING BUSINESS

**HUMBOLDT BAY MUNICIPAL WATER DISTRICT**

To: Board of Directors  
From: John Friedenbach  
Date: December 4, 2020  
Subject: Water Resource Planning (WRP) – Status Report

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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 – staff meeting on Dec. 11<sup>th</sup> .

Trinidad Rancheria – draft MOU. The Rancheria has requested that language be inserted into the MOU to enable them to apply for grant funding for the project. They are working on their proposed language. They are exploring opportunities under the FEMA Pre-disaster mitigation grant program. Staff recommends that we allow insertion of such language and that we bring the MOU back to our Board for consideration and approval at our January meeting.

**b) Transport**

No update.

**c) Instream Flow Dedication**

Team is moving forward with edits to District's Habitat Conservation Plan (HCP).



## 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)

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### GENERAL MANAGER

JOHN FRIEDENBACH

December 4, 2020

Board of Directors  
McKinleyville Community Services District  
1656 Sutter Road  
McKinleyville CA 95519

### Re: Participation in Feasibility Analysis to Extend HBMWD service to Trinidad Rancheria

Dear Board Members,

As you may be aware, our District has been approached by the Trinidad Rancheria to explore the feasibility of extending municipal water service to their tribal lands near the City of Trinidad. Our District is in the initial stages of its investigation and analysis of this possibility. In that regard, we would like inquire if the MCSD would be willing to investigate the feasibility of possibly connecting to your distribution grid's northern area for a possible water line extension. Please note that the feasibility analysis does not obligate or otherwise determine whether a waterline extension will be constructed.

For a waterline extension to the Trinidad Rancheria to be economically feasible, the most logical beginning point is at the northern end of your distribution grid. As you know, sizing a waterline extension is dependent upon the water consumption demands by the end users. Furthermore, in this situation, the needs and capacity of MCSD's consumers and system would need to be considered in the feasibility analysis. It is in that regard that we would like to begin preliminary discussions with your district.

The HBMWD Board directed that a feasibility analysis for the Rancheria move forward, so we respectfully request that you provide us with your decision no later than by February 4, 2021.

HBMWD staff or Directors are available to attend a MCSD board or committee meeting to answer any questions that you or your constituents may have regarding this feasibility analysis.

Respectfully,

John Friedenbach  
General Manager

Cc: Pat Kaspari, General Manager MCSD  
Steve Madrone, 5<sup>th</sup> District Supervisor



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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MICHELLE FULLER, DIRECTOR

DAVID LINDBERG, DIRECTOR

### GENERAL MANAGER

JOHN FRIEDENBACH

December 4, 2020

Trinidad City Council  
PO Box 390  
Trinidad CA 95570-0390

### Re: Participation in Feasibility Analysis to Extend HBMWD service to Trinidad

Dear Council Members,

As you may be aware, our District has been approached by the Trinidad Rancheria to explore the feasibility of extending municipal water service to their tribal lands near the City of Trinidad. Our District is in the initial stages of its investigation and analysis of this possibility. Would the City of Trinidad be interested in participating in this analysis? Please note that the feasibility analysis does not obligate or otherwise determine whether a waterline extension will be constructed.

We understand that the City has been conducting long range water planning and that one possible source of water resilience is potential supply from our Humboldt Bay Municipal Water District. If the City desires to keep this as a viable alternative, now is a good opportunity to investigate that possibility. As you know, sizing a waterline extension is dependent upon the water consumption demands by the end users. If a potential waterline to the Rancheria is sized only for their consumption needs, the possibility of a further extension to the City of Trinidad will be very unlikely and will cost considerably more.

The HBMWD Board directed that a feasibility analysis for the Rancheria move forward. We respectfully request that you indicate whether you would like to participate no later than by February 4, 2021. If we do not hear from you by then, we will assume that you are not interested and we will proceed with the feasibility analysis without the City of Trinidad.

HBMWD staff or Directors are available to attend a Trinidad City Council or committee meeting to answer any questions that you or your constituents may have regarding this feasibility analysis.

Respectfully,

John Friedenbach  
General Manager

Cc: Eli Naffah, Trinidad City Manager  
Steve Madrone, 5<sup>th</sup> District Supervisor



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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MICHELLE FULLER, DIRECTOR

DAVID LINDBERG, DIRECTOR

### GENERAL MANAGER

JOHN FRIEDENBACH

December 4, 2020

Board of Directors  
Westhaven Community Services District  
PO Box 2015  
Trinidad CA 95570-2015

### Re: Participation in Feasibility Analysis to Extend HBMWD service to WCSD

Dear Board Members,

As you may be aware, our District has been approached by the Trinidad Rancheria to explore the feasibility of extending municipal water service to their tribal lands near the City of Trinidad. Our District is in the initial stages of its investigation and analysis of this possibility. Would the WCSD be interested in participating in this analysis? At our July Board meeting, your General Manager mentioned that he would be interested in exploring the feasibility of an intertie for supplemental water supply options to the WCSD if a waterline extension were to be sited near the WCSD boundary. Please note that the feasibility analysis does not obligate or otherwise determine whether a waterline extension will be constructed.

If WCSD has been conducting long range water planning, one possible source of water resilience is potential supply from our Humboldt Bay Municipal Water District. If WCSD desires to have this as a viable alternative, now is the opportunity to investigate that possibility. As you know, sizing a waterline extension is dependent upon the water consumption demands by the end users. If a potential waterline to the Rancheria is sized only for their consumption needs, the possibility of any future extension to or connection with WCSD will be very unlikely and will cost considerably more.

The HBMWD Board directed that a feasibility analysis for the Rancheria move forward, so we respectfully request that you indicate whether you would like to participate no later than by February 4, 2021. If we do not hear from you by then, we will assume that you are not interested and we will proceed with the feasibility analysis without the WCSD.

HBMWD staff or Directors are available to attend a WCSD board or committee meeting to answer any questions that you or your constituents may have regarding this feasibility analysis.

Respectfully,

John Friedenbach  
General Manager

Cc: Paul Rosenblatt, General Manager WCSD  
Steve Madrone, 5<sup>th</sup> District Supervisor



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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DAVID LINDBERG, DIRECTOR

GENERAL MANAGER  
JOHN FRIEDENBACH

November 23, 2020

Via: [monty.larson@wildlife.ca.gov](mailto:monty.larson@wildlife.ca.gov)

Mr. Monty Larson  
Water Rights Coordinator, Region1, Coast  
619 Second Street  
Eureka CA 95501

**Re: Chapter 6 Section 1610 LSAA Exception**

Dear Monty,

We are writing to inform you of our intentions to remove burned woody debris from the tributaries around Ruth Lake in Trinity County that have resulted from the August Complex wildfire. Our District is responding to this emergency situation that the wildfire has caused around Ruth Lake. As you know the wildfires in California have been declared both Federal and State disasters. It is our plan to remove the burned woody debris by hand and not use any large mechanical equipment. Therefore, there will be little disturbance to stream courses or water ways and sediment disturbance will be minimized.

Our understanding of Chapter 6, Section 1610 is that it provides an emergency exception to a formal 1600 LSSA permit for this work. The threat to life and property is that the woody debris created by the fire poses a threat to our R. W. Matthews dam. Our most likely probable dam failure mode is the scenario whereby wood debris clogs the spillway thus preventing full water conveyance this in turn causes the reservoir to fill to capacity and overtop the dam resulting in dam failure. In addition, if no action were taken by the District, the excessive amount of burnt woody debris that may be deposited into Ruth Lake during winter storm flows could result in a safety hazard to boaters.

My reading of Section 1610 is that we have to provide 14 days' notice to CDFW. I am unclear if that is pre-work or post-work initiation. Kindly consider this our official notice to CDFW. We have not begun the work, but intend to within 14 days from today.

Kindly email your response to us.

Thank you for your prompt attention to this matter.

Respectfully,

A handwritten signature in blue ink that reads "John Friedenbach".

John Friedenbach,  
General Manager



**Humboldt Bay Municipal Water District**

To: Board of Directors

From: Chris Harris

Date: December 10, 2020

Re: NRCS EWP Application

**Status**

Staff has recently completed the application process with the Natural Resources Conservation Service (NRCS) to receive funding through the Emergency Watershed Protection Program (EWP). Currently, the EWP application has been submitted for approval, and is working through USDA's process. Unfortunately, it is anticipated that funds will not be approved and available until January 2021. Once approved by the USDA, this funding will be similar to Federal Mazard Mitigation Grants – 75% funding combined with 25% District funds.

The application includes the following erosion control deployments:

Hydromulch/Seed	(est. 41 acres)	\$340,556
Erosion Control Blankets	(est. 104 acres)	\$496,642
Straw Wattles	(est. 52,186 feet)	\$233,320
<u>Silt Fencing</u>	<u>(est. 60,748 feet)</u>	<u>\$222,055</u>
<b>Total funds</b>		<b>\$1,292,573</b>
Estimated 25% District match		\$323,143

**Discussion**

During the October Board Meeting, the board approved \$100,000 to begin erosion control work, and an additional \$100,000 to begin debris removal. These funds were intended to be used while staff worked to secure grant and FEMA funding. Due to the looming winter season, staff still anticipates the District needing these previously approved funds while waiting for approval from USDA and while waiting for additional agencies to mobilize into the area for debris removal.

To date, the District has spent approximately \$16,000 on erosion control. Additional funds have also been spent on fire recovery to replace the damaged domestic water systems for both the bunkhouse and Headquarters. Staff is currently working with the JPIA regarding covered losses of District Property to recoup some of these funds. Staff anticipates the continued need of the previously approved funds for erosion control measures and debris removal in order to continue making progress on the protection of

the water quality of Ruth Lake until the Emergency Watershed Protection Project receives approval in January.

**Staff Recommendation**

Staff recommends approval of \$323,143 in match funds for the Emergency Watershed Protection Program in order for the District to continue its efforts in watershed restoration, erosion control, and water quality protection. These funds are currently available within General Reserves.

**Attached**

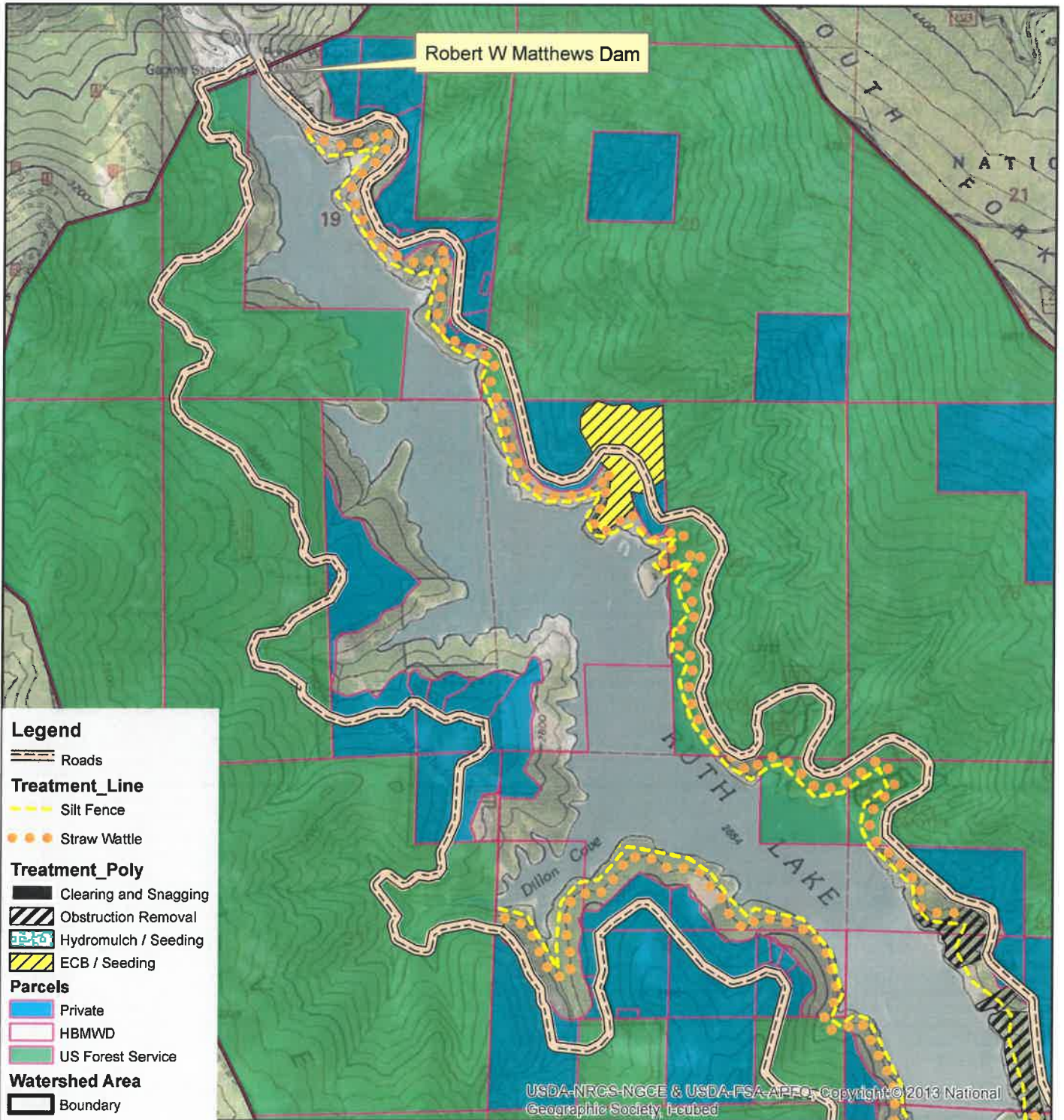
- Preliminary GIS maps showing potential deployment of erosion control measures
- NRCS Damage Survey Report

DSR #06-02-20-5218-010 (AUGUST COMPLEX - NORTH FIRE)  
TREATMENT SITES w/OWNERSHIP

Date: 11/17/2020

Customer(s): HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
USGS Quad: RUTH LAKE and FOREST GLEN  
Legal Description: T1S R7E S11,19,29,30,31,32,33  
T2S R7E S2,3,4,9,10,11,12,13,14  
Humboldt Base and Meridian

Field Office: WEAVERVILLE FIELD OFFICE  
Agency: USDA NRCS  
State and County: CA, TRINITY



Prepared with assistance provide by USDA Natural Resources Conservation Service

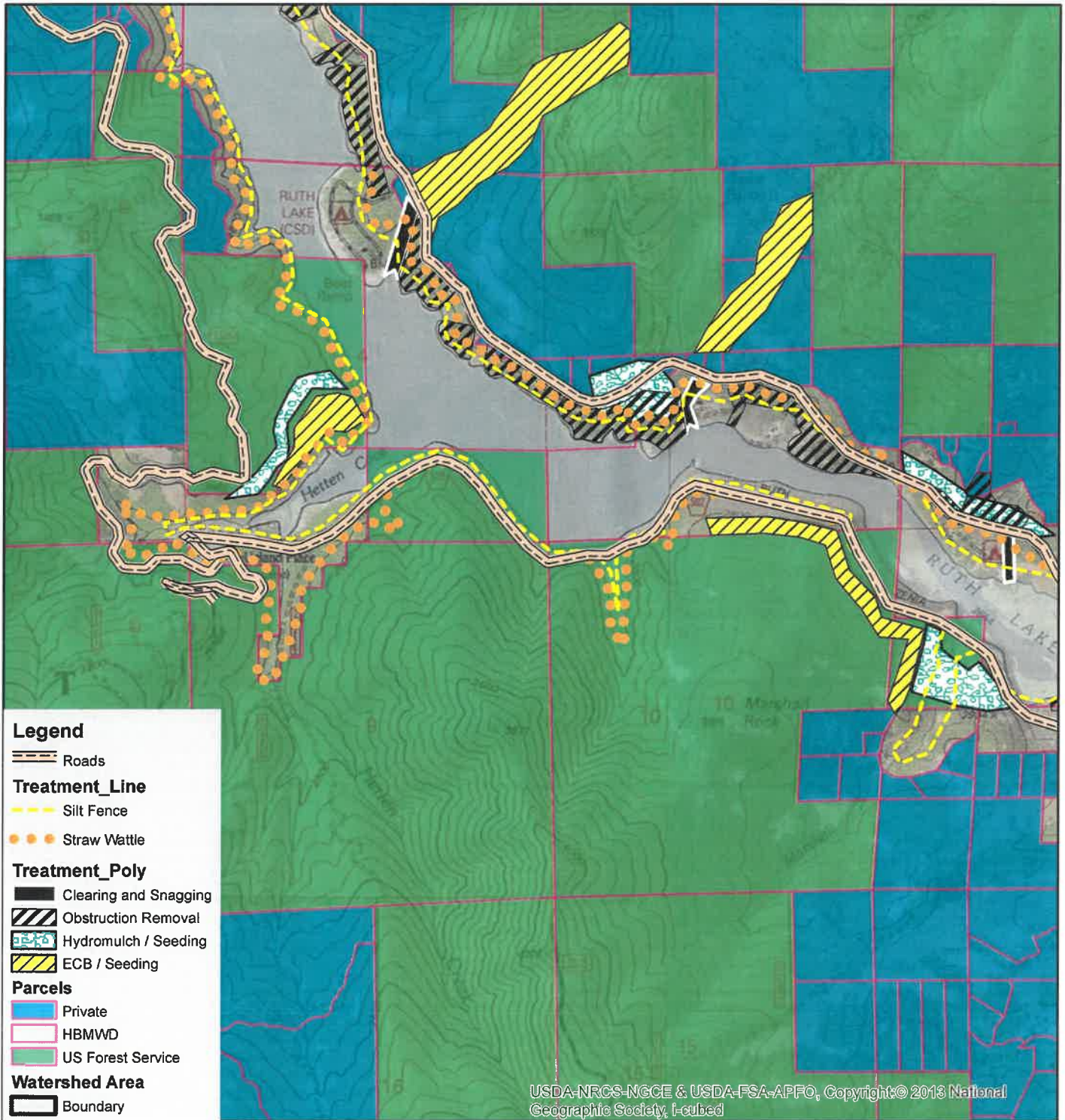


DSR #06-02-20-5218-010 (AUGUST COMPLEX - NORTH FIRE)  
TREATMENT SITES w/OWNERSHIP

Date: 11/17/2020

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Humboldt Base and Meridian

Field Office: WEAVERVILLE FIELD OFFICE  
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State and County: CA, TRINITY



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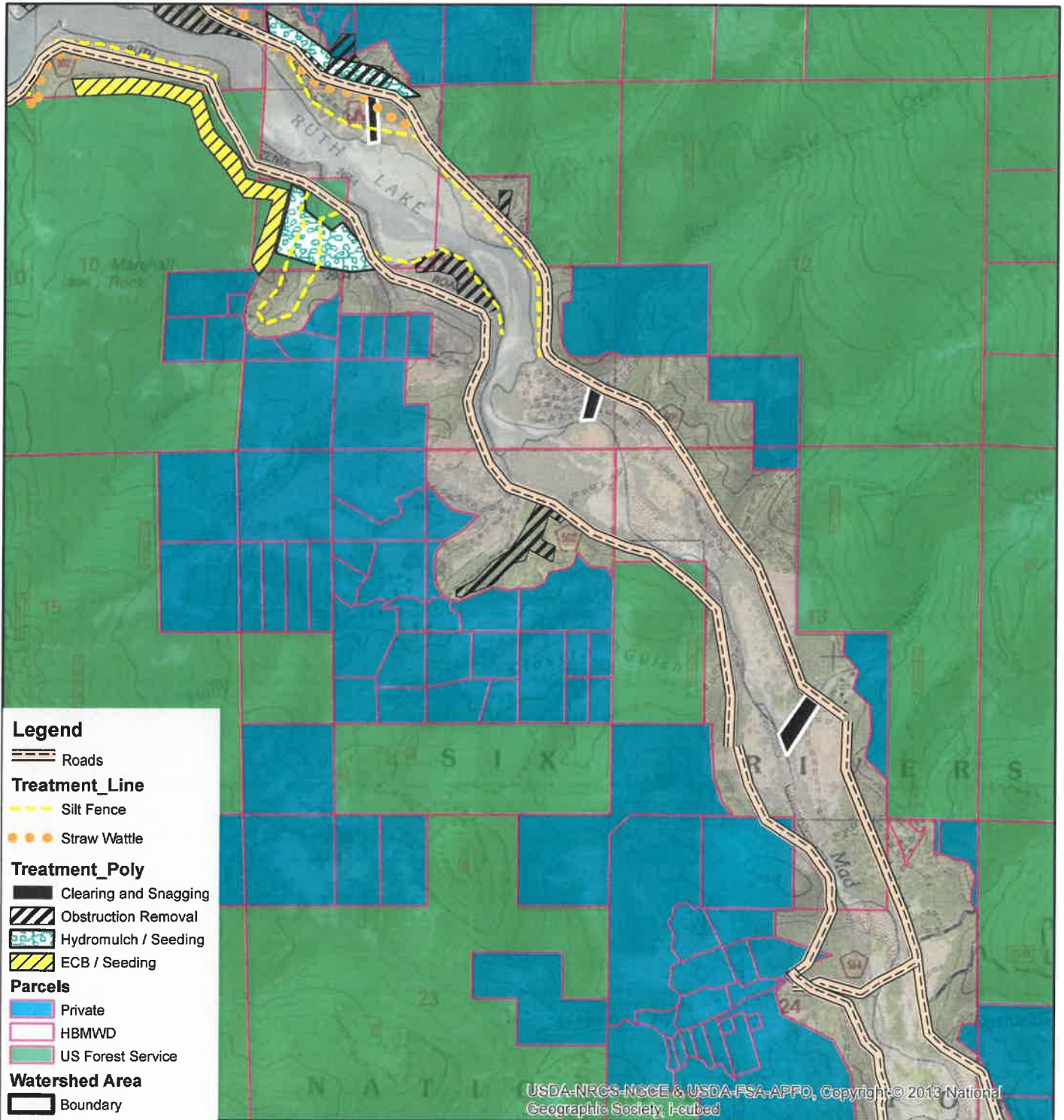


DSR #06-02-20-5218-010 (AUGUST COMPLEX - NORTH FIRE)  
TREATMENT SITES w/OWNERSHIP

Date: 11/17/2020

Customer(s): HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
USGS Quad: RUTH LAKE and FOREST GLEN  
Legal Description: T1S R7E S11,19,29,30,31,32,33  
T2S R7E S2,3,4,9,10,11,12,13,14  
Humboldt Base and Meridian

Field Office: WEAVERVILLE FIELD OFFICE  
Agency: USDA NRCS  
State and County: CA, TRINITY



**Legend**

- Roads
- Treatment\_Line**
  - Silt Fence
  - Straw Wattle
- Treatment\_Poly**
  - Clearing and Snagging
  - Obstruction Removal
  - Hydromulch / Seeding
  - ECB / Seeding
- Parcels**
  - Private
  - HBMWD
  - US Forest Service
- Watershed Area**
  - Boundary

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Prepared with assistance provide by USDA Natural Resources Conservation Service



**Natural Resources Conservation Service  
DAMAGE SURVEY REPORT (DSR)  
Emergency Watershed Protection Program – Recovery**

**Section 1A**

Date of report \_\_\_\_\_  
 DSR number #06-02-20-5218-010  
 Project number 5218

NRCS Entry Only	
Eligible:	Yes <input type="checkbox"/> No <input type="checkbox"/>
Approved:	Yes <input type="checkbox"/> No <input type="checkbox"/>
Funding priority number (from sect. 4)	<u>2E</u>
Limited Resource Area:	Yes <input type="checkbox"/> No <input type="checkbox"/>
<input type="checkbox"/>	1 Major disaster declaration
<input checked="" type="checkbox"/>	2 Emergency declaration
<input type="checkbox"/>	3 Fire management assistance declaration
<input type="checkbox"/>	4 Local declaration

**Section 1B - Sponsor Information**

Sponsor Name: Humboldt Bay Municipal Water District - Attn: John Friedenbach  
 Address: 828 7th Street  
 City/State/Zip: Eureka, CA 95501  
 Telephone Number 707-443-5018 Fax: 707-443-5731

**Section 1C - Site Location Information**

County: Trinity State CA Congressional District CA 2nd  
 Latitude 40.366816 Longitude 123.432784 UTM Coordinates 10T 463307 4468788  
 Drainage name Mad River Site name Ruth Lake Reservoir  
 Reach Upstream of Robert W Matthews dam

Damage description The entire watershed contributing to the Ruth Lake reservoir, Mad River drainage, burned during the August Complex fire, Aug-Oct 2020.  
 1) Fine and coarse sediments will enter the reservoir at an accelerated rate and degrade water quality downstream.

**Section 1D - Site Evaluation**

All answers in this section must be YES to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster? <sup>1</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	August Complex Fire
Recovery measures would be for runoff retardation or soil erosion prevention? <sup>1</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Threat to life and/or property? <sup>1</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	water quality degradation to public water supply; damage to spillway could cause flooding downstream
Event caused a sudden impairment in the watershed? <sup>1</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	August Complex Fire
Imminent threat was created by this event? <sup>2</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Damage will occur at next rainfall event and continue thru winter
For structural repairs, not repaired twice within 10 years? <sup>2</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no structural repairs proposed
<b>Site Defensibility</b>			
Economic, environmental, and social documentation adequate to warrant action? (See completed NRCS-CPA-52 and sections 3 and 4 of DSR. <sup>3</sup> )	<input checked="" type="checkbox"/>	<input type="checkbox"/>	B/C ratio = 5.0
Proposed action technically viable? (See section 6. <sup>3</sup> )	<input checked="" type="checkbox"/>	<input type="checkbox"/>	treatments are simple and effective

<sup>1</sup> Statutory

<sup>2</sup> Regulation

<sup>3</sup> The completed DSR and Form NRCS-CPA-52, "Environmental Evaluation Worksheet," are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES  NO

Comments:

\*information re: work with NRCS and EWP provided to HBMWD customers at website <http://www.HBMWD.com>

\*HBMWD staff are directly contacting affected landowners around Ruth Lake (phone or mail)

**Section 1E - Proposed Action**

Describe the preferred alternative (same as NRCS CPA-52, boxes M and G)

Treat approx 12 miles of 18 mile shoreline from sheet/rill erosion

1) install straw wattles and silt fence at locations prone to sheet/rill erosion: 52,186 ft wattles, 60,748 ft fence

2) install seed mix with hydromulch or erosion control mat at suitable locations: 41 ac hydro, 104 ac ECB

Total installation cost identified in this DSR from section 6: \$ 0.00

NRCS 75% cost-share: \$ 969,430.00

Sponsor 25% cost-share: \$ 323,143.00

**Section 1F - NRCS State Office Review and Approval**

Reviewed by: \_\_\_\_\_ Date reviewed \_\_\_\_\_  
State EWP Program Manager

Approved by: \_\_\_\_\_ Date approved \_\_\_\_\_  
State Conservationist

Concurred by: \_\_\_\_\_ Date concurred \_\_\_\_\_  
State Resource Conservationist

\_\_\_\_\_ Date concurred \_\_\_\_\_  
Sponsor Representative





DSR NO: #06-02-20-5218-010**Section 4 - Social Consideration**

This section must be completed for each alternative considered (attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1 death reported for August Complex fire but this was outside the Ruth Lake watershed
Is there the potential for loss of life due to damages from the watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	woody debris can block the spillway and put dam at risk of failure and loss of life downstream; debris flows from headwater have potential
Has access to a hospital or medical facility been impaired by watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Access roads are closed or restricted
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Several homes were completely lost around Ruth Lake
Is there a lack or has there been a reduction of public safety due to watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Access roads closed or restricted; hazard trees still present

Completed by: L. Bundy / J.FriedenbachDate: 12/2/2020

DSR NO: #06-02-20-5218-010**Section 5 - Group Representation Information**

This section is completed only for the preferred alternative selected.

Group Representation	Number
American Indian/Alaska Native Female Hispanic	x
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	x
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	x
Asian Female Non-Hispanic	
Asian Male Hispanic	x
Asian Male Non-Hispanic	
Black or African American Female Hispanic	x
Black or African American Female Non-Hispanic	
Black or African American Male Hispanic	x
Black or African American Male Non-Hispanic	
Hawaiian Native/Pacific Islander Female Hispanic	x
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	x
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	x
White Female Non-Hispanic	
White Male Hispanic	x
White Male Non-Hispanic	
Total Group	

Census tract(s) 2020 US Census Quick Facts (attached); Population is 134,623Completed by: Mindy Nicolletti Date: 11/18/2020

DSR NO: #06-02-20-5218-010

**Section 6 - Engineering Cost Estimate**

This section must be completed for each alternative considered (attach additional sheets as necessary).

Proposed recovery measure (including mitigation)	Quantity	Units	Unit cost (\$)	Amount (\$)
342 - Critical Area Planting				
hydromulch / seed	41	AC	\$ 8,226.00	340,556.00
570 - Stormwater Runoff				
erosion control blanket	104	AC	\$ 4,756.00	496,642.00
straw wattles	52186	FT	\$ 4.47	233,320.00
silt fence	60748	FT	\$ 3.66	222,055.00
**Costs exclude all treatment extents on USFS property				
<b>Total installation cost (enter in sections 1E and 3) \$</b>				<b>1,292,573.00</b>

Sponsor 25% share      \$ 323,143.00  
 NRCS 75% share        \$ 969,430.00

Benefit / Cost ratio = \$6.57 M / \$1.29 = 5.0

**Unit Abbreviations**

- AC     acre
- CY     cubic yard
- EA     each
- HR     hour
- LF     linear feet
- LS     lump sum
- SF     square feet
- SY     square yard
- TN     ton
- Other  
(specify) \_\_\_\_\_

Completed by: C.Harris / L.Bundy      Date: 12/2/2020

Sponsor Concurrence:

Signature: \_\_\_\_\_  
 Print Name: \_\_\_\_\_  
 Title: \_\_\_\_\_      Date: \_\_\_\_\_

DSR NO: #06-02-20-5218-010

**Section 7 - NRCS EWP Funding Priority**

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 9).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2. Is this a site where there is serious, but not immediate threat to human life?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		E
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		E
4. Is this site a funding priority established by the NRCS Chief?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>The following are modifiers for the above criteria</b>			<b>Modifier</b>	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?				
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			X	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?				

Enter priority computation in section 1A, "NRCS Entry Only" box, in "Funding priority number."

Remarks:

Weather reports indicate first season rains will occur 11/6/2020. Municipal water supply serving 88,000 customers or 65% of the population in Humboldt County is threatened.

DSR NO: #06-02-20-5218-010

**Section 8 - Findings**

Enter NEPA compliance finding from section Q of the NRCS-CPA-52.

[Redacted area]

The DSR was reviewed with the sponsors. Yes  No

NRCS representative of the DSR team: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

**Section 9 - Attachments:**

- A. Location map
- B. Site plan or sketches
- C. NRCS-CPA-52, Environmental Evaluation Worksheet
- D. Other (explain)

**Instructions for Completing the NRCS-PDM-20, DSR**

-	<b>Explanation of Requested Item</b>	<b>Who Completes</b>
<b>Section 1</b>	Enter Site Sponsor, Location, Evaluation, Selected Alternative, and Reviewed and Approval Signatures.	NRCS completes with voluntary assistance from Sponsor except for NRCS-only portion of section 1A.
1A	Enter the Date, DSR Number, and Project Number. For NRCS only enter Eligible Yes/No, Approved Yes/No, Funding Priority Number, and Limited Resource Area Yes/No.	
1B	Enter Sponsor Name, Address, Telephone, Fax	
1C	Enter site location County, State, Congressional District, Latitude, Longitude, Section, Township, Range, UTM Coordinates, Drainage name, Reach within drainage, and Damage description.	
1D	Enter Yes/No and any Remarks for the Site Evaluation information. Any No response means the site is not eligible for EWP assistance and no further information is necessary to complete the DSR. (See NEWPPM 390-502.03 and 390-502-04) Enter Yes/No regarding whether the affected public has been informed of the EWP program.	
1E	Enter the proposed treatment and the cost of installation.	NRCS only.
1F	NRCS Review and Approval.	
<b>Section 2</b>	Attach NRCS-CPA 52 that addresses environmental evaluation and special environmental concerns	NRCS only.
<b>Section 3</b>	<p>Identify Property protected both private and public, business losses and other economic impacts considered for each alternative. Enter the dollar value of the potential future damages if no action is taken in the Future Damage (5) column. This would be the estimate of the value lost if the EWP recovery measure is not installed. Use the repair cost or damage dollar method to determine the estimate of future damages. The repair cost method uses the costs to return the impaired property, good, or services based on their original prevent condition or value. The damage dollar method uses an estimate of the future damage to value (e.g., if the structure is condemned, then enter the value of the structure). Enter the estimated amount based upon existing information or information furnished by the sponsor, contractors, or others with specific knowledge for recovery from natural disasters for each alternative considered. Often market values for properties or services can be obtained from personnel at the local county/parish tax assessment office.</p> <p>The DSR team needs to determine the Damage Factor (%) which is a coefficient that indicates the degree of damage reduction to a property that is attributed to the effect of the proposed EWP recovery measures. Use an appropriate estimate of how much of the damage the EWP recovery measure will avoid for the alternative being considered. If the recovery measures from a single site will prevent 100 percent of the damage use 100 percent. The Near Term Damage Reduction is the Future Damage (\$) times the Damage Factor (%). Sum the Near Term Damage Reduction values to calculate the Total Near Term Damage Reduction. Enter the Net Benefit which is computed by subtracting the Cost from Section 6 from the total near term damage reduction. The</p>	NRCS completes with voluntary assistance from Sponsor.

-	Explanation of Requested Item	Who Completes
	economic section must be completed for each alternative considered. Attach additional sheets as necessary.	
<b>Section 4</b>	<p>Enter information to describe the potential social impacts and considerations for each alternative. Answer Yes or No and any remarks necessary to adequately address each question. The information may be obtained through interviews with community leaders, government officials or sponsors.</p> <p>Factors such as road closures, loss of water, electricity, access to emergency services are used when answering whether the community as a whole has been impaired.</p> <p>This information is part of the environmental evaluation (NRCS-CPA-52) but may be pertinent in section 7 regarding funding priorities. The Social Considerations section must be completed for each alternative considered. Attach additional sheets as necessary.</p>	NRCS completes with voluntary assistance from Sponsor.
<b>Section 5</b>	Enter the Group Representation for the preferred alternative. Use the most recent census tract information based upon where the EWP recovery measures are located.	NRCS completes using most recent U.S. Census data.
<b>Section 6</b>	<p>Enter Proposed Recovery Measure(s) including Quantity, Units, Unit Cost, and Total Amount Cost.</p> <p>Enter sum of all Proposed Recovery Measure Costs to calculate Total Costs. Enter Total Installation Costs in Section 1E. The Engineering Cost Estimate must be completed for each alternative considered. Attach additional sheets as necessary.</p>	NRCS completes with voluntary assistance from Sponsor.
<b>Section 7</b>	This section is used to determine the Funding Priority for the preferred alternative and sequence for initiating recovery measures. Enter Yes/No for questions 1 through 4 and enter the number (exigency 1, serious threat to human life 2, etc.) in the right column, Ranking Number Plus Modifier. Complete the Modifier portion by placing the alphabetic indicator a through f in the Modifier column. Complete the Ranking Number Plus Modifier column by entering the alphabetic indicator(s) that exists within the site. The number of the site designates the priority (e.g., a site with a designation of 2 is a higher priority than a site with a designation of 3). The modifiers increase the priority for the same numeric site (e.g., a site with a designation of 1a, would be a higher priority than a site with a designation of 1, a site with a designation of 2bc would be a higher priority than a site designated as 2b). Enter the Funding Priority in Section 1A.	NRCS completes with voluntary assistance from Sponsor.
<b>Section 8</b>	Insert the number of the Finding that was checked in section Q of the NRCS-CPA-52. If action is required to meet NEPA requirements, state whether an EA or EIS will be prepared or adopted.”	NRCS only.
<b>Section 9</b>	Include attachments for location map, site sketch or plan, a completed NRCS-CPA-52, Environmental Evaluation Worksheet, and other information as needed.	NRCS completes with voluntary assistance from Sponsor.





Attachment 1: CA SB 440-20-11

Authorization for NRCS Release of Conservation Plan File Information

Persons receiving Federal funding through the USDA Natural Resources Conservation Service (NRCS) to implement conservation projects are required to comply with all Federal, State, and local laws, as well as obtain any required Federal, State, or local permits prior to construction of the project. In order to ensure compliance with federal laws, NRCS is required to consult with the entities below if we determine our actions may affect or disturb legally protected species or their habitats, culturally important resources, or coastal resources.

Table with 3 columns: In order to comply with..., NRCS must consult with..., Typical timeline. Rows include Endangered Species Act (ESA), Magnuson-Stevens Act (MSA), National Historic Preservation Act (NHPA), and Coastal Zone Management Act (CZMA).

Not all projects will require coordination with all the above listed regulatory agencies. Duration of consultation is dependent upon project location and implementation methods.

I, John Friedenbach, General Manager, have control of said project and/or property, and give my consent for NRCS to consult with and/or release pertinent information from my project or construction plan relating to said consultation with the USFWS, NOAA-Fisheries, CA Coastal Commission, BCDC, the Advisory Council, Tribes and SHPO to ensure compliance with ESA, MSA, CZMA, and NHPA. This consent includes release of project information to permitting agencies after I have applied for a permit or have explicitly requested NRCS work directly with a permitting agency. This does not authorize access to my private property by agencies, groups or individuals that are not NRCS employees or NRCS contractors.

If you choose not to give your consent, you may work directly or hire a consultant to work with these agencies to provide assurance of ESA, MSA, CZMA and NHPA compliance to the NRCS prior to implementation of your planned project.

I understand that I am responsible for applying for and obtaining all necessary permits, Federal, State and local. NRCS will not provide further assistance until all permits are obtained and all required consultations have been completed.

Humboldt Bay Municipal Water District
by John Friedenbach, General Manager
NAME (Signature) DATE 11/20/2020



BOARD OF SUPERVISORS  
**COUNTY OF HUMBOLDT**

825 5TH STREET, ROOM 111  
EUREKA, CALIFORNIA 95501 PHONE: (707) 476-2390

November 17, 2020

Congressman Jared Huffman  
1630 Longworth House Office Building  
Washington, DC 20515

RE: Support for Ruth Lake and Mad River Watershed Restoration Post August Complex Fires

Dear Honorable Congressman Huffman:

During the past months of August, September and October, Humboldt and Trinity Counties experienced severe wildfires in the Ruth Lake area. There was extensive property damage, forest destruction and environmental harm. These fires have left behind many environmental threats. Most critical is the potential long-lasting contamination of the water in Ruth Lake and Mad River. These water sources provide drinking water to approximately 88,000 residents in Humboldt County. Therefore, water quality is of the upmost importance, not only to the residents of these counties, but also to fish habitats, watersheds and the environment.

Humboldt Bay Municipal Water District is requesting our support in securing funding to expedite and continue the cleanup efforts. The need for erosion control, burned tree removal, woody debris removal from tributaries, and revegetation of the burnt areas are the focus in the next several months. For your reference and information, we are attaching the Humboldt Bay Municipal Water Districts Emergency Declaration Resolution 2020-08 which was passed on October 8, 2020.

While this disaster area has seen immediate FEMA and State funding for initial clean up, the anticipated restoration will require resources beyond what has been received, Therefore, on behalf of the County of Humboldt Board, we are asking for additional support of federal and state resources to address watershed restoration to maintain the high-quality water from Ruth Lake and Mad River.

Thank you for your attention to this important matter and for the continued support of this important endeavor.

Sincerely,

Estelle Fennell, Chair  
Humboldt County Board of Supervisors

EF:kh

cc: United States Senator Diane Feinstein  
California State Senator Mike McGuire  
California Assemblyman Jim Wood



SECTION 9.3c PAGE NO. 2

## 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

November 12, 2020

Board of Supervisors  
County of Humboldt  
815 5<sup>th</sup> Street  
Eureka, CA 95501

Re: Support for Mad River Watershed restoration post August Complex fire

Dear Supervisors,

Our Humboldt Bay Municipal Water District is requesting your support for efforts to restore the Mad River Watershed headwaters at and above Ruth Lake in Trinity County. As you know, Ruth Lake serves as the municipal and industrial water supply for 2/3rds of Humboldt County's population. The August Complex wildfire has consumed much of the headwaters area. We are seeking any support that your Board can provide to muster federal and state resources to address watershed restoration to maintain the high-quality water that we have enjoyed from Ruth Lake and the Mad River. After burned structure debris removal, efforts need to focus on erosion control, burned tree removal, woody debris removal from tributaries, and revegetation of burned areas.

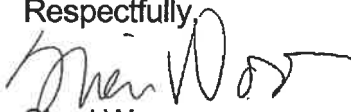
Our District has been working closely with Trinity County to address hazardous debris removal resulting from the loss of burned structures around Ruth Lake. DTSC began their assessment and cleanup efforts on Monday November 2<sup>nd</sup>. They plan to have the properties immediately adjacent to the lake complete by December 1<sup>st</sup> and will then move up stream in the headwaters area. Beginning on December 1<sup>st</sup>, FEMA will begin non-hazardous burn debris removal of lost structures. They will initially focus around Ruth Lake and then move up stream and to other affected areas.

Communications to our federal and state elected officials informing them of the importance of the high-water quality needs in the Mad River watershed for our Humboldt County population would be beneficial. Contacting others such as: 1) Air Quality for easing restrictions on the operation air curtain burners for processing wood waste; 2) bio mass co-generation plants for accepting wood waste; 3) Cal-Fire Board of Forestry for expediting post wildfire timber harvesting in Trinity County; 4) US Forest Service to aggressively engage in re-forestation of the area burned by the August Complex fire and any others that you deem appropriate to facilitate immediate and rapid watershed recovery within the headwaters of the Mad River watershed.

For your reference and information, we are attaching our Emergency Declaration Resolution 2020-08 passed on October 8<sup>th</sup>.

We appreciate your prompt attention to our request.

Respectfully,

A handwritten signature in black ink, appearing to read "Sheri Woo", with a stylized flourish extending to the right.

Sheri Woo  
President

**Resolution 2020-08****A Resolution of the Board of Directors of the Humboldt Bay Municipal Water District  
Declaring an Emergency**

**WHEREAS**, the California Water Code for Municipal Water Districts, Division 20, Part 5, Chapter 2, Article 3, Section 71642 states that a finding by the Board upon the existence, threat, or duration of an emergency shall be made by resolution or ordinance; and

**WHEREAS**, during the months of August, September and October, Trinity County has experienced severe wild fires in the Ruth Lake area that has caused extensive property damage, destruction, and environmental harm; and

**WHEREAS**, Governor Newsom declared a state of emergency in California on August 16, 2020 to help communities respond to and recover from severe heat, weather and wildfires; and

**WHEREAS**, President Trump declared a Major National Disaster in California on August 22, 2020 to help communities respond to and recover from wildfires; and

**WHEREAS**, Trinity County Director of Emergency Services declared a local state of emergency in Trinity County on September 9, 2020 due to wildfires to help communities respond to wildfires; and

**WHEREAS**, the August Complex fires have caused loss of dwelling structures, personal property, infrastructure, forest and vegetation throughout the District owned property in Trinity County at Ruth Lake; and

**WHEREAS**, the property and vegetation destruction pose environmental threats to the water quality in Ruth Lake which must be addressed immediately to minimize or eliminate contamination of Ruth Lake and the Mad River; and

**WHEREAS**, Ruth Lake and the Mad River is the District's source drinking water for 88,000 residents of Humboldt county; and

**WHEREAS**, degradation of water quality of the District's water source will jeopardize the public health and safety within the boundaries of the District; and

**WHEREAS**, the District is subject to Public Contract Code 20642 which provides that all contracts for any improvement in excess of thirty-five thousand dollars (\$35,000) shall be let to the lowest responsive, responsible bidder; and

**WHEREAS**, Public Contract Code 20645 authorizes the District to negotiate and award contracts without advertising for bids in the event of any emergency; and

**WHEREAS**, Public Contract Code 22050(a)(1) states that in the case of an emergency, a public agency, pursuant to a four-fifths vote of its governing body, may repair or replace a public facility, take any directly related and immediate action required by that emergency, and procure the necessary equipment, services, and supplies for those purposes, without giving notice for bids to let contracts; and

**WHEREAS**, Public Contract Code 22050(a)(2) requires that before taking action to procure equipment, services or supplies without giving notice for bids, the District Board must first make a finding, based on substantial evidence, that the emergency will not permit a delay resulting from competitive solicitation for bids, and that the actions are necessary to respond to the emergency; and

**WHEREAS**, Public Contract Code 22050(b)(1) states that “the governing body, by a four-fifths vote, may delegate, by resolution or ordinance, to the appropriate non-elected officer the authority to order any action specified in paragraph (1) of subdivision (a);

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Humboldt Bay Municipal Water District hereby declares a state of emergency in the District in accordance with Section 71642 of the California Water Code; and,

**BE IT FURTHER RESOLVED** that:

1. The Board based on substantial evidence, that an emergency situation exists within the District which requires the District to proceed immediately with work necessary to prevent contamination of the District’s water source at Ruth Lake and the Mad River at the earliest possible time.
2. The Board finds that the emergency conditions described herein will not permit delay resulting from competitive solicitation for bids for securing services, materials, and equipment need to address the emergency.
3. The Board declares that the foregoing findings constitute an emergency pursuant to Public Contract Code sections 1102 and 20645.
4. The Board authorizes and directs the District’s General Manager to acquire such materials, services, and equipment and to enter into such contracts and obtain such emergency permits as are necessary and

appropriate to meet the emergency needs of the District, without observing the need to seek formal competitive solicitations of bids, or bonding.

5. The cost and effort required to recover from the wildfire disaster has yet to be fully determined, but the District resolves to pursue all available resources, including Federal and State relief aid, emergency funds and assistance, to implement a full recovery within the District.
6. This Resolution shall be effective upon passage and shall remain in effect until the emergency disaster status has been lifted by the affirmative majority vote of the Board of Directors of the District.

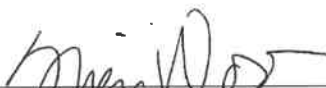
**PASSED and ADOPTED at a Regular Meeting of the Board of Directors** of the Humboldt Bay Municipal Water District this 8th day of October 2020, by the following roll call vote:

AYES: Directors Fuller, Latt, Lindberg, Rupp and Woo

NOES: None

ABSENT: None

Attest:

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

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

**TIMBER SEVERENCE AND REMOVAL AGREEMENT**

**THIS TIMBER SEVERENCE AND REMOVAL AGREEMENT** ("Agreement") is made as of December 1, 2020, by and between Humboldt Bay Municipal Water District, a California municipal water district formed pursuant to Water Code section 71000 et seq. ("Owner") and Steve Morris Logging & Contracting, a California general partnership ("Contractor").

**Recitals**

A. Owner owns real property surrounding Ruth Lake, California, which was extensively burned by wildfire during the 2020 fire season resulting in extensive areas of dead, dying, damaged or diseased timber.

B. Owner desires to engage the services of Contractor to apply for and obtain a timber harvesting permit for the cutting and removal of all dead, dying, damaged and diseased timber located on Owner's lands identified in the attached **Exhibit A**, and perform all services related the cutting and removal thereof.

C. Contractor is a California Licensed Timber Operator, License number A-8292, and desires to provide logging services to Owner for the cutting and removal of said timber.

**NOW, THEREFORE**, in consideration of the terms, covenants and conditions contained herein, the parties agree as follows:

**1. Contractor's Scope of Work/Obligations**

1.1. Contractor, at its sole expense, shall engage a California Registered Professional Forester to prepare and pursue approval of a timber harvesting permit and all required government approvals for the cutting, removal loading and log hauling of all dead, dying, damaged and diseased timber located on Owner's lands identified in the attached **Exhibit A** ("Owner's Property"). Said harvesting permit shall be reviewed and approved by Owner, in Owner's sole discretion, prior to being submitted to Cal Fire. This shall be a "one-time" only permit, and Contractor shall have up to, but not longer than two ( 2 ) months, to procure the timber harvesting permit and all required government approvals, and shall apply only to dead, dying, damaged and diseased timber damaged during wildfires occurring in calendar year 2020. Contractor shall not be entitled to harvest any timber from Owner's Property that was not damaged during the wildfires occurring in 2020, unless Owner provides its express written consent, in Owner's discretion by a subsequent written amendment to this Agreement. Upon completion of the work under this Agreement or termination, whichever shall first occur, Contractor shall provide Owner copies of all mapping, programing, GIS information and other information prepared by Contractor in connection with the timber harvesting permit.

1.2. Contractor shall fall, buck, yard, load, and remove and haul all marketable and non-marketable timber designated for removal in the timber harvesting permit, if obtained,



in accordance with all requirements of said permit and in compliance with all applicable federal, state, and county statutes, regulations or ordinances.

1.3. Contractor shall commence work after the harvesting permit is approved and as soon as thereafter when weather and soil conditions permit, and continue in a diligent manner to complete the work as soon as practical.

1.4. Contractor's work shall be consistent with good workmanship performed by professional loggers in Trinity County, California. Contractor shall leave Owner's Property in a condition consistent with good logging practices. Contractor shall coordinate and cooperate with Owner to apply as much as practicable wood waste mulch produced from Contractor's Tub Grinder to Owner's property in designated locations.

1.5. Contractor shall construct the logging roads designated for construction in the timber harvesting permit and maintain them and related drainage structures until a Timber Operations Work Completion Report is submitted, accepted and signed off by Cal Fire. Owner shall have the right to approve or reject the number and/or location of any proposed new roads on Owner's Property, in Owner's sole discretion, in connection with Owner's review of the timber harvesting permit.

1.6. Federal Emergency Management Agency Assistance Program. Contractor acknowledges that Owner will seek assistance pursuant to an emergency assistance program administered by the Federal Emergency Management Agency (FEMA), specifically, the program is as follows: Federal Disaster Recovery (the "FEMA Program"). Contractor acknowledges that to be eligible for FEMA assistance under the FEMA Program, any non-Federal entity's FEMA grant or cooperative agreement, the cost of the change, modification, change order, or constructive change must be allowable, allocable, within the scope of its grant or cooperative agreement, and reasonable for the completion of project scope. Consequently, a non-Federal entity (like Owner) must include a changes clause in its contract that describes how, if at all, changes can be made by either party to alter the method, price, or schedule of the work without breaching the contract. Contractor acknowledges that it will be unilaterally responsible for following and complying with all terms and conditions of the FEMA Program with respect to Contractor's work under this Agreement. Owner makes no representations or warranties to Contractor, express or implied, as to whether Owner's Property will qualify for the FEMA Program.

**2. Compensation to Contractor.** Contractor shall receive the following compensation

2.1. **Log Value.** To compensate Contractor for the services provided under this Agreement, Contractor shall receive one hundred percent of the value of all logs and other wood products generated from the timber harvest on Owner's Property conducted pursuant to this Agreement. Contractor shall take title to the logs and other wood products when the timber is severed from the stump. Contractor shall be solely responsible for the payment of all timber harvest and yield taxes associated with the timber removed, and shall be responsible for timely submittal of all documents related to payment of yield taxes.

3. Contractor shall maintain in full force and effect during the entire period of this Agreement, insurance coverage as follows:

a. Commercial General Liability Insurance in amounts not less than \$1,000,000 for injury to one person and \$2,000,000 for injury to more than one person and general property damage insurance no less than \$1,000,000; including loggers' broad form property damage of \$1,000,000 per occurrence. Said policy shall name Owner as an additional insured and provide Owner with notice of cancellation thirty (30) days in advance.

b. Workmen's Compensation Insurance as required by state statute.

Prior to the commencement of operations, Contractor shall furnish to Owner certificates of insurance showing that the required policies are in effect.

4. Contractor agrees to indemnify, defend, and hold Owner harmless from any claims, demands, losses, damages, penalties, liability, suits, actions, and causes of action, and any proceedings of whatsoever nature and any expenses, including but not limited to any court costs and attorney's fees, resulting from or in any way connected with Contractor's operations pursuant to this Agreement, including but not limited to acts by Contractor's agents, employees, subcontractors, or other persons on Owner's Property in any way associated with Contractor and/or Contractor's operations.

5. Contractor enters into this Agreement, and will remain throughout the term of this Agreement, as an independent contractor. Contractor will determine the method, details, and means of performing the work without advice from Owner and shall furnish all labor, tools, supplies, trucks and other equipment necessary to carry out operations contemplated by this Agreement. Contractor shall pay and discharge all wages of its employees and not permit or suffer any liens, attachments, or encumbrances arising out of Contractor's operations, or otherwise, to attach to Owner's Property.

5.1. Suspension and Debarment:

(1) This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the Contractor is required to verify that none of the Contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) The Contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) This certification is a material representation of fact relied upon by (insert name of subrecipient). If it is later determined that the Contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to (name

of state agency serving as recipient and name of subrecipient), the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

(4) The Contractor agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

6. Contractor shall be entitled to engage subcontractors in the performance of the logging operations under this Agreement, provided however, that any engagement of a subcontractor by Contractor shall be memorialized in writing in advance and include the same insurance and indemnity requirements as set forth in Sections 3 and 4, above.

6.1. During the performance of this Agreement, the Contractor agrees as follows:

(1) The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

(3) The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Contractor's commitments under this section, Current as of 1-9-17 3 and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) The Contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) of this Section 10.1 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

#### 6.2. Clean Air Act Compliance

(1) The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.

(2) The Contractor agrees to report each violation to the North Coast Unified Air Quality Management District and understands and agrees that the North Coast Unified Air Quality Management District will, in turn, report each violation as required to assure notification to the Humboldt Bay Municipal Water District, Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

(3) The Contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

#### 6.3. Water Pollution Control Act

(1) The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.

(2) The Contractor agrees to report each violation to the North Coast Regional Water Quality Control Board and understands and agrees that the North Coast Regional Water Quality Control Board will, in turn, report each violation as required to assure notification to the Humboldt Bay Municipal Water District, Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

(3) The Contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

7. Neither party hereto shall be deemed in default of this Agreement if its performance hereunder is prevented by circumstances beyond its control such as acts of God, interruptions of log deliveries by the buyers of said logs, fire, insurrection, strikes, or application of any law or regulation of any governmental agency.

#### 8. Termination.

8.1. **Termination for Convenience by Owner.** Owner shall have the right, which may be exercised in Owner's sole and exclusive discretion, to terminate this Agreement at any time upon provision of thirty (30) days written notice to Contractor. If Owner elects to terminate this Agreement for Owner's convenience, Contractor's sole remedy shall be as follows: (a) Contractor shall be entitled to remove and sell all damaged timber severed on Owner's Property pursuant to this Agreement severed **prior to Contractor's receipt of Owner's written notice of cancellation**; (b) Contractor shall be entitled to receive one-half (50%) of any FEMA Program proceeds actually received for damaged timber severed by Contractor from Owner's Property prior to receipt of notice of termination by Owner; (c) Contractor shall have continued access to Owner's Property for a commercially reasonable time to remove timber severed from Owner's Property prior to Contractor's receipt of written notice of termination from Owner.

8.2. **Termination "For Cause".** In addition to the right to terminate this Agreement for Owner's convenience as recited in Section 8.1, above, in the event that Contractor materially breaches any term or condition of this Agreement, Owner shall have the right to terminate this Agreement for cause by provision of seven (7) days written notice to Contractor. In the event of termination of this Agreement for cause, Owner may seek any and all available remedies and damages against Contractor, in law or equity, caused by the breach. If immediate termination of the Agreement is necessary as a result of the breach, Owner may seek injunctive relief or other equitable relief at any time prior to during the seven (7) day notice period recited in this Section 8.2.

9. Notices to be given pursuant to this Agreement shall be deemed sufficient if in writing, delivered personally, or deposited in the United States mail, postage prepaid, addressed as follows:

If to Owner:                      John Friedenbach  
   General Manager  
   Humboldt Bay Municipal Water District  
   PO Box 95  
   Eureka, California, 95502-0095

If to Contractor: Steve Morris  
Steve Morris Logging & Contracting  
1500 Glendale Drive  
Arcata, California 95519

Notices sent pursuant to this Section 9 shall be deemed delivered on the following dates:  
(a) two days after deposit in United States Mail, whether certified/registered or regular mail; or  
(b) immediately if personally delivered to the party's designated notice address.

10. In the event any party to this Agreement institutes any litigation or other proceeding involving interpretation or performance of this Agreement, the prevailing party shall be entitled to recover its reasonable attorneys' fees from the non-prevailing party, in addition to any other relief to which the prevailing party may be entitled.

11. Time is expressly made the essence of each and every provision of this Agreement and the provisions hereof shall be binding upon the successors and assigns of the respective parties hereto. Contractor shall not have the right to assign this Agreement or any of its rights hereunder without obtaining the prior written consent of Owner. This Agreement constitutes a full and complete understanding of the parties and may not be modified or varied in any particular whatever, except in writing, and subscribed by Contractor and Owner.

12. **Access to Records.** The following access to records requirements applies to this Agreement:

(1) The Contractor agrees to provide California Office of Emergency Services, Humboldt Bay Municipal Water District, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions.

(2) The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(3) The Contractor agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract."

13. Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352 (as amended)

Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with

obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient. Contractor shall submit this certification in the form attached as **Exhibit B**.

14. Additional FEMA Program Requirements. This is an acknowledgement that FEMA financial assistance will be used to fund this Agreement only. The Contractor will comply with all applicable federal law, regulations, executive orders, FEMA policies, procedures, and directives. The Contractor shall not use the DHS seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA preapproval. The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, contractor, or any other party pertaining to any matter resulting from the contract. The Contractor acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the Contractor's actions pertaining to this Agreement.

15. Compliance with California Labor Laws. During the course of performing its work under this Agreement, Contractor shall observe and comply with, and insure that any retained agents, employees and/or subcontractors observe and comply with, the California Labor law standards and observations collectively appended hereto as Exhibit "C" and incorporated by reference.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

**OWNER:**  
**Humboldt Bay Municipal Water District**

By: \_\_\_\_\_  
**John Friedenbach, General Manager**                      **Date** \_\_\_\_\_

**CONTRACTOR:**  
**Steve Morris Logging & Contracting**

By: \_\_\_\_\_  
**Steve Morris, General Partner**                      **Date** \_\_\_\_\_

**Exhibit A:**  
Owner's Land



**Exhibit B:**

**Byrd Anti-Lobbying Amendment Certification Regarding Lobbying - 44 C.F.R. PART 18 -  
 Certification for Contracts, Grants, Loans, and Cooperative Agreements  
 (To be submitted with each bid or offer exceeding \$100,000)**

The undersigned Contractor certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
  
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or Current as of 1-9-17 11 cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
  
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor Steve Morris Logging & Contracting, a California general partnership, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

\_\_\_\_\_  
 Signature of Contractor's Authorized Agent

\_\_\_\_\_  
**Steve Morris, General Partner**

\_\_\_\_\_  
 Date

**Exhibit C:**  
California Labor Law

[this exhibit is forthcoming]

**Exhibit A:**  
Owner's Land

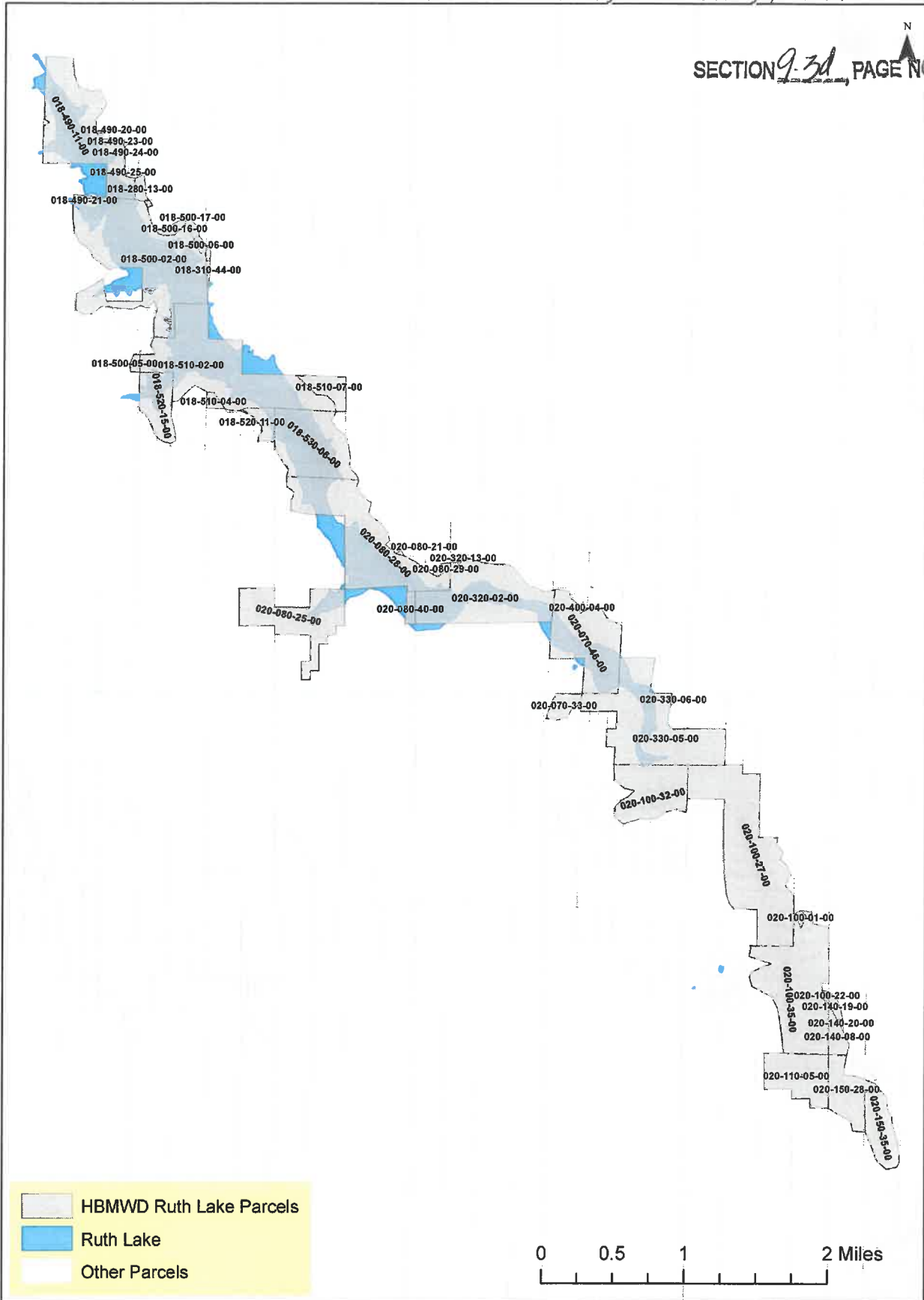
# HBMWD APN's inTrinity County

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OBJECTID	PARCEL	APN
3	018-490-11-00	018-490-11-00
5	018-500-02-00	018-500-02-00
7	018-510-02-00	018-510-02-00
10	018-310-47-00	018-310-47-00
12	020-320-02-00	020-320-02-00
13	020-070-46-00	020-070-46-00
15	020-080-40-00	020-080-40-00
17	020-330-05-00	020-330-05-00
18	020-100-27-00	020-100-27-00
21	020-100-32-00	020-100-32-00
24	020-100-35-00	020-100-35-00
25	020-140-08-00	020-140-08-00
26	020-150-28-00	020-150-28-00
27	018-530-06-00	018-530-06-00
28	018-520-15-00	018-520-15-00
30	018-520-11-00	018-520-11-00
32	018-500-05-00	018-500-05-00
33	020-080-28-00	020-080-28-00
35	020-070-65-00	020-070-65-00
36	020-070-33-00	020-070-33-00
37	020-080-25-00	020-080-25-00
38	020-080-33-00	020-080-33-00
39	020-100-76-00	020-100-76-00
40	020-100-01-00	020-100-01-00
41	020-110-05-00	020-110-05-00
42	020-360-09-00	020-360-09-00
43	020-150-35-00	020-150-35-00

# Humboldt Bay Municipal Water District Ruth Lake Parcels in Trinity County, CA

SECTION 9-3d PAGE NO. 14



HBMWD Ruth Lake Parcels  
 Ruth Lake  
 Other Parcels



All data, information, and maps are provided "as is" without warranty or any representation of accuracy, timeliness of completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Humboldt Bay Municipal Water District makes no warranties, express or implied, as to the use of the information obtained here. There are no implied warranties of merchantability or fitness for a particular purpose. The requestor acknowledges and accepts all limitations, including the fact that the data, information, and maps are dynamic and in a constant state of maintenance, correction and update.

Map By:  
Humboldt Bay Municipal Water District

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

Source:  
CAD drawing projected in an undefined relative coordinate system georeferenced to a 2002 Matthews Dam Cross Section survey

**Exhibit B:****Byrd Anti-Lobbying Amendment Certification Regarding Lobbying - 44 C.F.R. PART 18 -  
Certification for Contracts, Grants, Loans, and Cooperative Agreements  
(To be submitted with each bid or offer exceeding \$100,000)**

The undersigned Contractor certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or Current as of 1-9-17 11 cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor Steve Morris Logging & Contracting, a California general partnership, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

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Signature of Contractor's Authorized Agent

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**Steve Morris, General Partner**

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Date

**Exhibit C:**  
California Labor Law

[this exhibit is forthcoming]

## FORESTS LAUNCH AUGUST COMPLEX POST-FIRE RAPID ASSESSMENT TEAM

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November 30, 2020 Kym Kemp 5 comments



*New green sprouts in a burned over forest. [Photo from the US Forest Service]*

### **Press release from US Forest Service:**

The Mendocino, Shasta-Trinity and Six Rivers National Forests have been working closely together throughout all phases of the August Complex fires for three months. The three Forests have coordinated suppression actions, suppression repair activities, burned area emergency response assessments and implementation. The fires within the August Complex ignited on August 16 and 17, 2020 and burned, 1,032,648 acres before being contained

on November 11, 2020. With the recent full containment of the August Complex, the Forests have brought together a multidisciplinary post-fire rapid assessment team (Team) to identify the longer-term restoration and rehabilitation needs across the burned area.

This Team is working across boundaries to maximize efficiency and consists of specialists from heritage, fuels, geology, wildlife, timber, public affairs, planning and other resources. Team members have been tasked with identifying potential hazards to public safety and infrastructure as well as identifying areas that need other restoration, rehabilitation or long-term maintenance treatments. As part of this effort the team will be reaching out to partners and communities to get their thoughts on post-fire recovery.

This rapid assessment is a first step in identifying the hazard reduction and restoration activities the Forests will pursue within the August Complex. Any projects that are selected to move forward will go through additional field assessment and the necessary environmental compliance prior to implementation. The team has already started its work on the rapid assessment.



## Webinar: Post-Fire Water Quality Impacts

**Post-Fire Water Quality Impacts**

- Christina Burri, Watershed Scientist
- Monica Emelko, Drinking Water Treatment Engineer & Director of the Water Science, Technology & Policy Group
- Chuck Rhoades, Watershed Scientist

## Short & Long of It...

### *WILDFIRE EFFECTS ON WATERSHEDS*

#### **Post-Fire Take Homes**

- Dramatic, short-term effects on chemistry (ash), erosion (days, months)
- Long-term changes in nutrient, C export both significant & common (yrs)  
Signify shifts watershed nutrient retention (supply/demand)
- Sources of persistent change: Higher soil N supply, hillslope leaching, associated with low plant recovery and N demand (upland & riparian)
- In-stream productivity remains high, does not explain higher stream N, but indicates a relaxation in N limitation

#### **Implications of Long-Term Effects for Restoration**

- Watershed changes persist after post-fire rehabilitation ends
- Water quality hot spots can guide / refocus restoration priorities
- Long term data: opportunity to test if riparian and upland plantings increase nutrient retention and mitigate elevated stream N
- Many unknowns about overlapping wildfire with other disturbances

## Key Messages



- Not all wildfires have the same effects on source water quality and treatability.
- Public health protection from waterborne disease from pathogens is the paramount objective of drinking water treatment.
- Wildfire can severely challenge chemical pre-treatment processes, thereby threatening adequacy of disinfection and ability to meet demand.
- Key wildfire-associated changes in source water quality that can most threaten drinking water treatment: DOC, turbidity/solids, and P.
- Wildfires can lead to severely deteriorated source water quality...  
...BUT it does not manifest as a "step function"!
- Raw water storage reservoirs can mitigate, but also threaten raw water quality and treatability because of algal bloom risk.
- Fine-sediment management is a critical consideration.

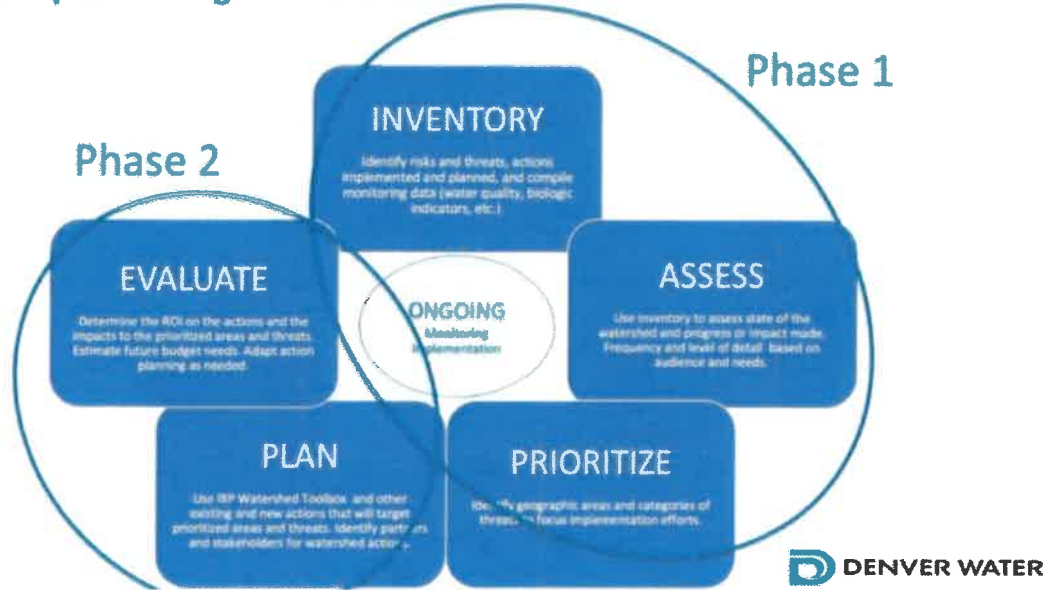
## Key Messages



- Wildfire impacts on water may not be evident immediately...may be long lasting.
- Treatment impacts of severe wildfire = costs... at a minimum!
- Preparedness: jar tests, coagulant availability & dosing capacity
- How quickly can your utility respond to rapid fluctuations in DOC? Resilient operations?
- Know the source, know the limitations of infrastructure!
- Investment in support infrastructure and operators leads to resilience.
- Severely deteriorated, post-fire "black water" can be treated....  
Extreme water quality requires extreme treatment...are we ready?  
It follows that less severely deteriorated source water can also be treated.
- Investment in the infrastructure warranted? It depends....



## Adaptive Management Framework



To: Board of Directors

From: Samantha Ryan

Date: December 10, 2020

Subject: Retail Rate Study 2020

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### Timeline:

At the November Board Meeting, staff reviewed the concept of a retail rate study with the Board. The timeline for the study is as follows:

- December 2020 Board Meeting – Staff will present the rate study and draft five-year rate plan to obtain feedback from the Board.
- January 2021 Board Meeting – Staff will present the proposed five-year rate plan for Board consideration. After discussion, the Board may set a Public Hearing date (impacted customers must receive notice of public hearing 45-days in advance).
- April 2021 Board Meeting – Required public hearing (Proposition 218) for proposed resolution on rates for retail water service<sup>1</sup>.
- July 1, 2021 – New rates go into effect for Humboldt Bay retail customers.

### Discussion:

As Discussed in November, a retail rate study is used to develop a five-year rate plan. A retail rate study consists of three analyses:

1. Revenue Requirement
2. Cost-of-Service
3. Rate Design
  - a. Model Comparison
  - b. Recommended Model

The end product of a retail rate *study* is a retail rate *model*. The retail rate *model* is then used to create a five-year retail rate *plan*. The five-year rate plan consists of the retail water rates for the next five years that are designed to fully recover the costs of operating and maintaining the retail water system. Staff is presenting two models and a draft five-year rate plan for Board feedback.

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<sup>1</sup> Customers may prevent the adoption of a rate change by submitting protests in writing. If there is a majority protest (50% + 1), the resolution cannot be passed. If there is NO majority protest, the Board can adopt the resolution on rates for retail water service.

**Rate Study:**

**1. Revenue Requirement**

As discussed in November, the revenue requirement analysis completed by staff determined there was an approximate shortfall of <\$40,709> within the retail system in FY 18/19. The expenses from FY 18/19 were projected forward through FY 25/26. Each cost sub-category was escalated using the appropriate escalation factor, as shown in the table below.

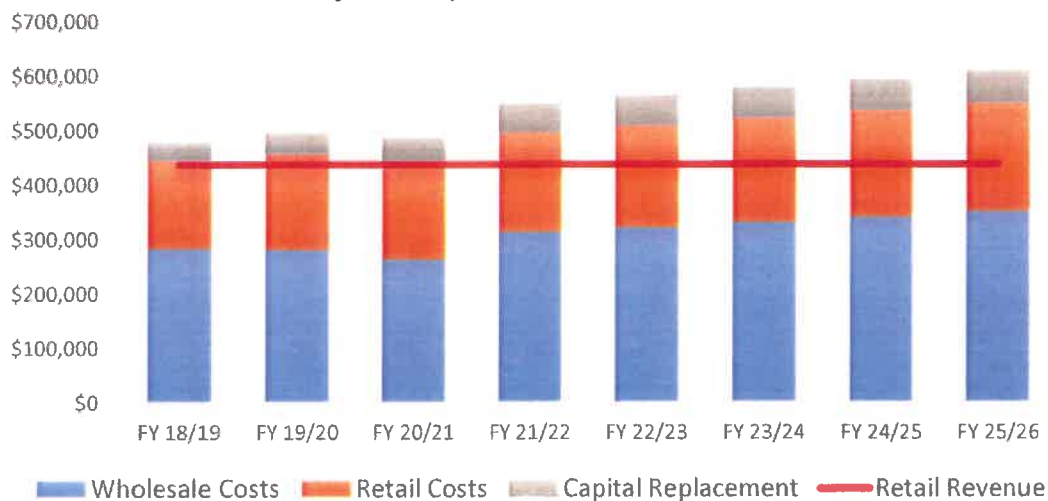
**Escalation Factors Used for Projecting Costs**

Cost Category	Cost Subcategory	Escalation Factor Source	Escalation Percent
Wholesale	PF1	None	0.00%
	PF2	Budget	2.98%
	PF3	PG&E Rates	4.80%
	PF4	None	0.00%
Retail-Specific	Payroll	Avg CPI	2.10%
	Ops & Maintenance	Avg CPI	2.10%
	Administration & General	Avg CPI	2.10%
Capital Replacement	Fairhaven	ENR Avg CCI*	3.40%
	Non-Fairhaven	ENR Avg CCI*	3.40%
	Large Business & Fire	ENR Avg CCI*	3.40%

*\*Engineering News Record Construction Cost Index 2016-2019*

If retail revenue were to remain constant, the annual shortfall would potentially increase to approximately <\$172,313> by FY 25/26, resulting in an approximate accumulated shortfall of <\$707,566> over the life of the five-year rate plan. Thus, it is essential that the rate plan address the growing expenses.

**Projected Expenses vs Current Revenue**



## 2. Cost-of-Service

The District currently charges different base charges according to meter size, service type, and service area. As water rates and related charges evolve, the District needs to revisit the methods and ratios used previously to ensure all relevant factors are considered. Staff recommends using methods and ratios set forth in *AWWA M1 Principles of Water Rates, Fees, and Charges*, an industry standard for rate setting. Base charge allocations can be refined by using meter capacity ratios, meter equivalency cost ratios, and fire demand ratios included in the *AWWA M1*.

Allocation of costs can further be improved and refined by recognizing the costs of providing backflow services and public fire suppression services. Since both of these services are only utilized by limited customer groups within the retail system, staff recommends separate fees for these services that are assessed only to the customers to which they apply. These recommendations are discussed further under the rate design and recommended model.

Currently, the District charges consumption rates based on different usage volumes (tiered consumption rate). In the past, this method was implemented to promote conservation and incentivize large industrial users. To update the District's methodology, staff recommends a flat consumption rate. This is due to current California case law related to Prop 218 (*Capistrano Taxpayers Association v. San Juan Capistrano*). Since, it is difficult to set tiered rates that directly correspond with the increased cost associated with providing water to high use customers. This is causing water suppliers to abandon tiered consumption rates.

## 3. Rate Design

There are two rate designs being presented for consideration. Both designs incorporate flat consumption rates. One is based off of the 2015 rate model (Option A) while the other is based off the recommendations mentioned above (Option B). The two models differ in how they allocate costs between base charges and consumption charges. Option B also includes additional subcategories under the base charge and additional fees to more accurately allocate costs to the customers.

### a. Model Comparison

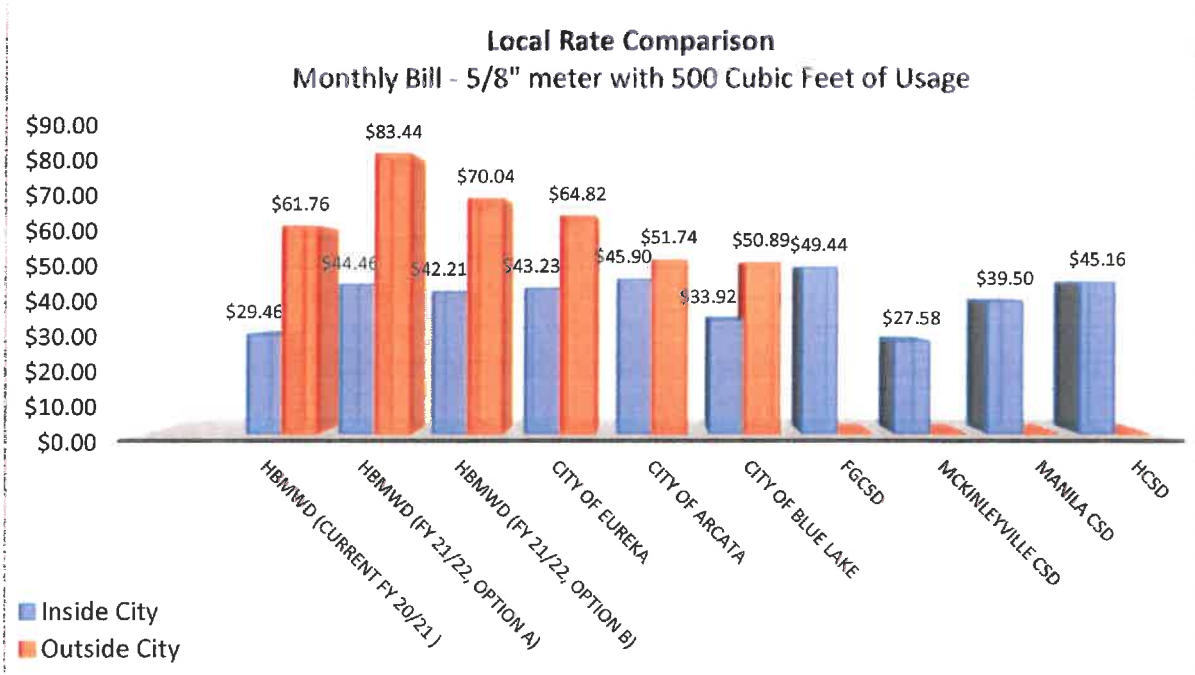
**Option A** - The 2015 rate model modified to incorporate a flat consumption rate. The revenue target for FY 21/22 was input into the model and the resulting rate sheet can be seen in Appendix I.

**Option B** - New model utilizing *AWWA M1* methodology and ratios and a flat consumption rate. The revenue target for FY 21/22 was input into the model and the resulting rate sheet can be seen in Appendix II. The details of this model will be discussed further under the Recommended Model section.

A summary of the differences in the models can be seen in the table below:

Option A	Option B
Four rate categories	Two rate categories (standardization allows for merging)
No separate fees	Separate backflow and private fire fees
Fairhaven and Non-Fairhaven base rates are identical	Fairhaven base rate is higher due to built-in public fire service fee

A comparison of other local agencies' water bills for a 5/8" inch customer with 500 cubic feet of usage can be seen in the graph below.



Example bills for other Humboldt Bay retail customers can be found in Appendix I and Appendix II.

**b. Recommended Model**

Due to its improved cost allocation, staff recommends Model Option B. The model (Appendix III) is able to improve allocation by breaking the base charge category into several sub-categories.

**Base charge sub-categories:**

- i. Base-capacity ratio – Costs related to retail operations and maintenance, including a portion of wholesale costs that helps ensure there is water available in the retail system (even if there was no usage). Costs are split among customers by meter size (per AWWA meter capacity ratios). A ratio of 1:93 (5/8" meter:8" meter) was used due to the meter types used in the system.
- ii. Base-flat rate – Costs related to customer service and billing (Eureka office payroll and administration costs). Costs are split among all customers evenly.
- iii. Base Capital Replacement (CR) – Costs related to capital replacement. Costs are split between service areas and then by meter size per AWWA meter equivalency cost ratios.
- iv. Backflow – Costs related to backflow testing and certification. Costs are deducted from retail specific costs and assessed as a flat fee to customers with backflow devices.
- v. Fire Suppression (FS) Reserved Usage – Costs related to providing fire service capacity. Costs are deducted from wholesale costs and assigned to customers per AWWA fire demand ratios. Public fire protection costs are built into the base charge of Fairhaven customers and private fire protection is assessed as a fee to customers with the service.

Under the recommended model, the usage charge category is distributed to customers using a flat consumption rate (dollar amount per hundred cubic feet of water usage). The usage charge category consists of the wholesale expenses, excluding expenses associated with ensuring water is always available in the system for use. These excluded wholesale expenses were reassigned to base charge subcategories (base-capacity ratio or FS reserved usage).

**Rate Plan:**

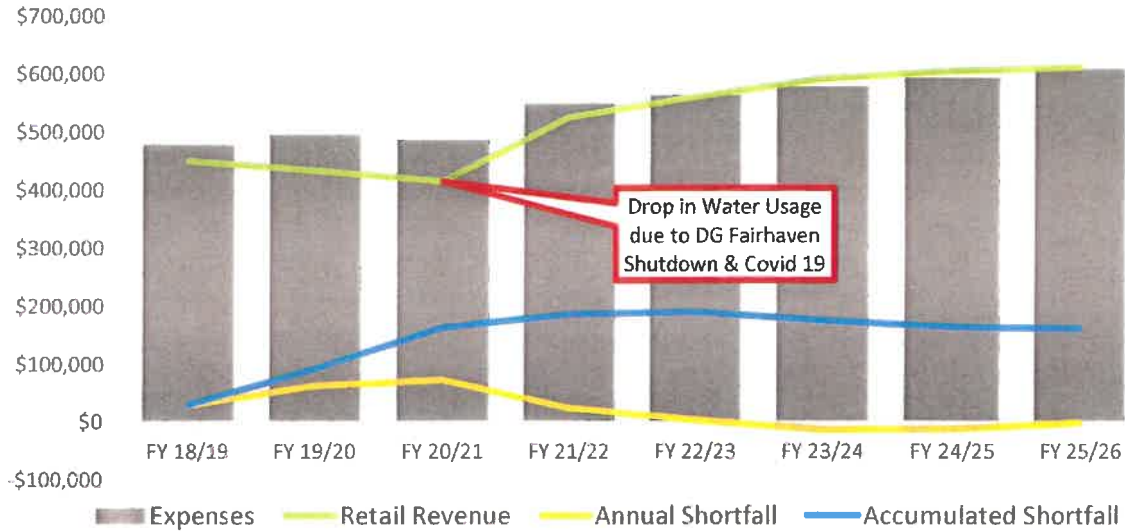
In order to smoothly transition into new AWWA ratios and spread the increase over the five-year rate study period, a phased-in approach was used in the planning process. This includes phasing in some of the rate increases and rate model modifications. The resulting rates for the next five years can be seen in Appendix IV. This phase-in approach will prevent large increases in water bills the first year (the median water bill increasing \$8.55) and ensure that the retail water fund balances over the next five years. Capital replacement costs are being transitioned from a flat rate by service area to an equivalency cost ratio<sup>2</sup> by area; this ratio is being phased in for the Fairhaven group.

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<sup>2</sup> Cost ratio of 1:35 (5/8" meter:8" meter)



**Water Fund Outlook using Proposed Model Phase-in Approach**



**Recommendation and Board Action:**

Staff recommends the following:

- 1) Use *AWWA M1 Principles of Water Rates, Fees, and Charges* as a guide to establish methods and ratios in rate setting.
- 2) Establish a separate fee for customers with backflow devices.
- 3) Establish public fire service charges, to be incorporated into the Fairhaven base charge.
- 4) Use the recommended model (Option B) to establish rates. This model includes
  - placing Fire O&M costs into the base capacity ratio
  - using a 1:93 ratio for the base capacity
  - using equivalency meter ratio for capital replacement charges
  - phasing in changes to the base rate and capital replacement changes
  - using a flat usage consumption rate

Staff requests direction on the rate model choice and refinement.

Staff recommends the District annually review rates and revenue going forward to ensure the revenue generated is sufficient to meet the annual revenue requirements. If the revenue requirements are not being met or are being exceeded, the District should revisit its rate structure.

## Appendix I

### Next Steps:

Dependent on the Board's comments today, present further rate design options or final rate design option at January board meeting.

When the Board reaches a determination on the final rate design, the Board shall also set a public hearing date at least 45-days out so that impacted customers can receive notice of the public hearing, in accordance with Proposition 218.

The Board may approve the proposed resolution for retail water service at the public hearing<sup>3</sup>.

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<sup>3</sup> Customers may prevent the adoption of a rate change by submitting protests in writing. If there is a majority protest (50% + 1), the resolution cannot be passed. If there is NO majority protest, the Board can adopt the resolution on rates for retail water service.

## Appendix I

## HBMWD Water Rate Summary

## Option A

	Meter Size	Base Rate	Capital Replacement Charge	Monthly Base Charge
<b>Category 1 - Domestic and Small Businesses Located Within the Fairhaven Distribution Grid</b>	5/8 x 3/4"	\$ 33.57	\$ 43.62	\$ 77.19
	1"	\$ 44.76	\$ 43.62	\$ 88.38
	1.5"	\$ 56.67	\$ 43.62	\$ 100.29
	2"	\$ 78.32	\$ 43.62	\$ 121.94
	3"	\$ 167.82	\$ 43.62	\$ 211.44
	4"	\$ 335.64	\$ 43.62	\$ 379.26
	6"	\$ 484.82	\$ 43.62	\$ 528.44
	8"	\$ 820.49	\$ 43.62	\$ 864.11
<b>Category 2 - Domestic and Small Businesses Located Outside the Fairhaven Distribution Grid</b>	5/8 x 3/4"	\$ 33.57	\$ 4.64	\$ 38.21
	1"	\$ 44.76	\$ 4.64	\$ 49.40
	1.5"	\$ 56.67	\$ 4.64	\$ 61.31
	2"	\$ 78.32	\$ 4.64	\$ 82.96
	3"	\$ 167.82	\$ 4.64	\$ 172.46
	4"	\$ 335.64	\$ 4.64	\$ 340.28
	6"	\$ 484.82	\$ 4.64	\$ 489.46
	8"	\$ 820.49	\$ 4.64	\$ 825.13
<b>Category 3 - Large Businesses</b>	<b>Meter Size &amp; Account</b>	<b>Base Rate</b>	<b>Capital Replacement Charge</b>	<b>Monthly Base Charge</b>
	4" - DG Fairhaven Power	\$ 335.64	\$ 91.50	\$ 427.14
	6" - Town of Samoa	\$ 484.82	\$ 103.05	\$ 587.87
	6" - Humboldt Bay Harbor & US Coast Guard	\$ 484.82	\$ 108.65	\$ 593.47
<b>Category 4 - Standby Fire Charges</b>	<b>Meter Size &amp; Account</b>	<b>Base Rate</b>	<b>Capital Replacement Charge</b>	<b>Monthly Base Charge</b>
	6" - DG Fairhaven Power	\$ 1,085.73	\$ 11.27	\$ 1,097.00
	6" Hog Island	\$ 1,085.73	\$ 11.27	\$ 1,097.00
	8" - CA Redwood Co	\$ 1,808.26	\$ 87.81	\$ 1,896.07
	8" - Sequoia Investments	\$ 1,808.26	\$ 181.37	\$ 1,989.63

## Consumption Charges/ 100 CF

	CF	CF	Off Peak	Peak
Block 1	-	500	\$ 1.25	\$ 1.25
Block 2	501	1,500	\$ 1.25	\$ 1.25
Block 3	1,501	5,000	\$ 1.25	\$ 1.25
Block 4	5,001	100,000	\$ 1.25	\$ 1.25
Block 5	>100,000		\$ 1.25	\$ 1.25

Total Revenue	\$ 533,092.15
Revenue Target	\$ 532,086.08
Difference	\$ 1,006.07

## Water Bill Examples

	Current Bill 20/21	Proposed Bill 21/22	% Difference
5/8" Fairhaven (600 CF)	\$ 63.75	\$ 77.40	21%
5/8" Fairhaven (1000 CF)	\$ 71.71	\$ 82.40	15%
5/8" Non-Fairhaven (600 CF)	\$ 31.45	\$ 45.10	43%
5/8" Non-Fairhaven (1000CF)	\$ 39.41	\$ 50.10	27%
2" Fairhaven (6300 CF)	\$ 219.53	\$ 193.40	-12%
1.5" Non-Fairhaven (550 CF)	\$ 47.96	\$ 67.58	41%
Fairhaven Power (1,367,933 CF )	\$ 15,783.48	\$ 17,507.91	11%
HBHRCD (20,267 CF)	\$ 893.33	\$ 820.49	-8%
Town of Samoa (393,256 CF)	\$ 5,628.77	\$ 5,306.38	-6%
US Coast Guard (14,875 CF)	\$ 774.34	\$ 757.57	-2%
CA Redwood Company Loop (6,200 CF)	\$ 2,933.22	\$ 3,709.25	26%
Sequoia Investment FS (1,960 CF)	\$ 1,603.32	\$ 1,983.92	24%

## Appendix II

## HBMWD Water Rate Summary

## Option B

	Meter Size	Base Rate		CR Charge		Monthly Base Charge	
		5/8 x 3/4"	\$	35.91	\$	27.63	\$
<b>Category 1 - Fairhaven Distribution Grid</b>	1"	\$	48.11	\$	55.91	\$	104.02
	1.5"	\$	70.66	\$	58.70	\$	129.36
	2"	\$	97.82	\$	61.22	\$	159.04
	3"	\$	222.37	\$	67.12	\$	289.49
	4"	\$	369.63	\$	111.37	\$	481.00
	6"	\$	754.40	\$	124.24	\$	878.64
	8"	\$	1,297.67	\$	128.28	\$	1,425.95
	6" FS Only	\$	754.40	\$	93.25	\$	847.65
	8" FS Only	\$	1,297.67	\$	93.25	\$	1,390.92
	Meter Size	Base Rate		CR Charge		Monthly Base Charge	
<b>Category 2 - Outside the Fairhaven Distribution Grid</b>	5/8 x 3/4"	\$	32.81	\$	2.90	\$	35.71
	1"	\$	41.91	\$	7.72	\$	49.63
	1.5"	\$	64.46	\$	15.95	\$	80.41
	2"	\$	91.62	\$	23.36	\$	114.98
	3"	\$	216.17	\$	46.73	\$	262.90
	4"	\$	358.78	\$	63.49	\$	422.27
	6"	\$	743.55	\$	91.28	\$	834.83
	8"	\$	1,286.82	\$	103.19	\$	1,390.01
	6" FS Only	\$	743.55	\$	9.79	\$	753.34
	8" FS Only	\$	1,286.82	\$	9.79	\$	1,296.61

Backflow Charge	\$8.00
4" Private Fire Charge	\$5.75
6" Private Fire Charge	\$16.69
8" Private Fire Charge	\$35.57

## Consumption Charges/ 100 CF

	CF	CF	Off Peak	Peak
Block 1	-	500	\$ 1.30	\$ 1.30
Block 2	501	1,500	\$ 1.30	\$ 1.30
Block 3	1,501	5,000	\$ 1.30	\$ 1.30
Block 4	5,001	100,000	\$ 1.30	\$ 1.30
Block 5	>100,000		\$ 1.30	\$ 1.30

Total Revenue	\$	534,185.46
Revenue Target	\$	532,086.08
Difference	\$	2,099.38

## Water Bill Examples

Customer and Avg Usage	Current Bill 20/21	Proposed Bill 21/22	% Difference
5/8" Fairhaven (600 CF)	\$ 63.75	\$ 71.34	11.91%
5/8" Fairhaven (1000 CF)	\$ 71.71	\$ 76.54	6.74%
5/8" Non-Fairhaven (600 CF)	\$ 31.45	\$ 43.51	38.35%
5/8" Non-Fairhaven (1000CF)	\$ 39.41	\$ 48.71	23.60%
2" Fairhaven (6300 CF)	\$ 219.53	\$ 240.94	9.75%
1.5" Non-Fairhaven (550 CF)	\$ 47.96	\$ 87.56	82.59%
DG Fairhaven Power (1,367,933 CF)	\$ 15,783.48	\$ 18,272.13	15.77%
HBHRCD (20,267 CF)	\$ 893.33	\$ 1,150.11	28.74%
Town of Samoa (393,256 CF)	\$ 5,628.77	\$ 6,015.66	6.87%
US Coast Guard (14,875 CF)	\$ 774.34	\$ 1,096.71	41.63%
CA Redwood Company Fire Loop (6,200 CF)	\$ 2,933.22	\$ 3,067.77	4.59%
Sequoia Investment FS (1,960 CF)	\$ 1,603.32	\$ 1,501.50	-6.35%

# Appendix III

Cost Description	Annual Costs	Option B - New Model with Fire O&M Costs (PF2) in Base Capacity Ratio					
		Base				Usage	
		Base Capacity Ratio	Base Flat Rate	Base CR	Backflow	FS Reserved Usage	Usage
<b>Wholesale Component</b>							
Price Factor 1 - Debt Service (TRF)	\$27,305					\$3,673	\$23,632.65
Price Factor 2 - O&M and Capital	\$253,967	\$34,159				\$0	\$219,808.62
Price Factor 3 - Power for Pumping	\$53,491						\$53,490.95
Price Factor 4 - Wholesale Reserves	\$16,544					\$2,225	\$14,318.68
<b>Retail-Specific Costs</b>							
Payroll	\$110,106	\$65,208	\$41,115		\$3,783		
Administrative (Cust Service & Billing)	\$9,634	\$5,383	\$3,424		\$827		
O&M and Field Customer Service	\$17,057	\$17,057	\$0		\$0		
<b>Capital Replacement</b>							
Fairhaven	\$32,261						
Non-Fairhaven	\$5,465						
Large Business and Fire Suppression	\$6,256						
<b>Net Revenue Requirement</b>	<b>\$532,086</b>	<b>\$121,806</b>	<b>\$44,539</b>	<b>\$43,982</b>	<b>\$4,611</b>	<b>\$5,898</b>	<b>\$311,251</b>
Percent of Revenue Requirement		22.8922%	8.3706%	8.2660%	0.8665%	1.1084%	58.4963%
PF1 - 13.45% of retail capacity is for fire protection, only charged to customers serviced by hydrants (Fairhaven customers).							
PF2 - 13.45% of retail capacity is for fire protection, these operational costs also ensure there is water in pipeline for domestic use so charged to all customers.							
PF4 - 13.45% of retail capacity is for fire protection, only charged to customers serviced by hydrants (Fairhaven customers).							
Payroll - Eureka Office payroll is charged at flat rate to customers.							
Administrative (Cust Service & Billing) - Caselle and postage fees associated with billing charged at flat rate to customers.							

Appendix IV

		FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26
		Current (FY 20/21)				
Meter Size	Monthly Base Charge	Monthly Base Charge				
<b>Category 1 - Fairhaven Distribution Grid</b>	5/8 x 3/4"	\$ 63.54	\$ 64.28	\$ 69.85	\$ 71.64	\$ 72.78
	1"	\$ 104.02	\$ 118.76	\$ 124.40	\$ 125.60	\$ 127.42
	1.5"	\$ 129.36	\$ 178.65	\$ 204.04	\$ 221.83	\$ 224.96
	2"	\$ 159.04	\$ 211.42	\$ 241.35	\$ 261.06	\$ 264.92
	3"	\$ 289.49	\$ 354.63	\$ 405.21	\$ 433.41	\$ 440.41
	4"	\$ 481.00	\$ 591.44	\$ 662.86	\$ 698.41	\$ 720.74
	6"	\$ 878.64	\$ 1,027.23	\$ 1,162.19	\$ 1,223.75	\$ 1,255.51
	8"	\$ 1,425.95	\$ 1,624.96	\$ 1,849.05	\$ 1,946.72	\$ 1,991.15
	6" FS Only	\$ 847.65	\$ 988.70	\$ 1,122.36	\$ 1,182.56	\$ 1,212.92
8" FS Only	\$ 1,390.92	\$ 1,581.41	\$ 1,804.02	\$ 1,900.16	\$ 1,943.00	
		Monthly Base Charge				
<b>Category 2 - Outside the Fairhaven Distribution Grid</b>	5/8 x 3/4"	\$ 35.71	\$ 39.66	\$ 46.21	\$ 48.83	\$ 49.81
	1"	\$ 49.63	\$ 55.32	\$ 63.55	\$ 66.97	\$ 68.38
	1.5"	\$ 80.41	\$ 89.70	\$ 101.97	\$ 107.22	\$ 109.50
	2"	\$ 114.98	\$ 128.16	\$ 145.17	\$ 152.53	\$ 155.75
	3"	\$ 262.90	\$ 291.84	\$ 330.18	\$ 346.77	\$ 353.87
	4"	\$ 422.27	\$ 467.36	\$ 529.74	\$ 556.45	\$ 567.55
	6"	\$ 834.83	\$ 920.22	\$ 1,046.72	\$ 1,100.05	\$ 1,121.19
	8"	\$ 1,390.01	\$ 1,527.09	\$ 1,743.02	\$ 1,832.78	\$ 1,866.93
	6" FS Only	\$ 753.34	\$ 834.59	\$ 960.63	\$ 1,013.54	\$ 1,033.50
8" FS Only	\$ 1,296.61	\$ 1,427.30	\$ 1,642.29	\$ 1,731.14	\$ 1,763.58	
		Monthly Base Charge				
<b>Per HCF</b>	\$0.00 - \$2.29	\$ 1.30	\$ 1.30	\$ 1.30	\$ 1.30	\$ 1.30

\* approximate base charge, each customer has unique capital replacement charge

**Humboldt Bay Municipal Water District**

To: Board of Directors

From: John Friedenbach

Date: December 3, 2020

Re: **Humboldt County General Plan – Critical Municipal Water Supply Areas**

**Discussion**

The Humboldt County General Plan contains Chapter 11 – Water Resources Element. The stated Purpose of that chapter is provided in Subsection 11.1:

“This Element addresses water planning issues including river and stream water quality, stormwater runoff, groundwater management, water needs of fish and wildlife, water consumption, conservation and re-use methods, and state and federal regulations.”

Subsection 11.2 Relationship to Other Elements states:

“These and other water-related topics can be found throughout the General Plan. Water availability for development is addressed in the Land Use Element. The Conservation and Open Space elements address riparian corridors, wetlands, wildlife protection, fishery resources, other biotic resources, water-oriented recreation, and soil erosion. The Community Infrastructure and Services Element address public water and wastewater systems.”

The Subsection 11.4 Goals and Policies contains Policy WR-P4 which states:

“Critical Municipal Water Supply Areas. The Board of Supervisors shall designate all or portions of watersheds as “Critical Water Supply Areas” if cumulative impacts from land uses within the area have the potential to significantly impact the quality or quantity of municipal water supplies. Water resources within Critical Water Supply Areas shall be protected by the application of specific standards for such areas.”

During my discussions with Building and Planning Director John Ford, I inquired if the Mad River Watershed had received the Critical Municipal Water Supply Area designation. He stated that it had not. I then inquired if there were any such designations within the county. He stated that there were two: 1) Francis Creek (water supply for Del Oro Water Company which supplies the City of Ferndale); and 2) Luffenholtz Creek (City of Trinidad water supply). These two areas were designated as critical watersheds on the 1984 Framework General Plan Biological Resources Map and carried through in the General Plan Land Use Map. The General Plan text does not specifically identify these as critical watersheds. I then inquired how could the Mad River Watershed be designated as a Critical Municipal Water Supply Area. He replied that one would have to make a request to the Board of Supervisors.

**Staff Request for input**

The District sent a request to the County of Humboldt requesting that the Mad River Watershed be designated as a Critical Watershed under the General Plan in October 2019. See attached letter. This request was included with one of the District's recent Mad River Watershed cannabis project comment letters to remind the County about our previous request. As a result, a meeting has been set for December 14<sup>th</sup> with the County and the District to discuss our Critical Watershed request. Staff and our Mad River Policy Committee members, Director Woo and Director Fuller, plan to attend that meeting. In advance of that meeting, staff is requesting input from all Board members.





SECTION 9.5 PAGE NO. 1  
**HUMBOLDT BAY MUNICIPAL WATER DISTRICT**

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**BOARD OF DIRECTORS**

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**GENERAL MANAGER**

JOHN FRIEDENBACH

October 3, 2019



Humboldt County Planning Commission  
3015 H Street  
Eureka, CA 95501

RE: Designation of the Mad River Watershed as a Critical Municipal Water Supply Area

Dear Commissioners,

The Humboldt Bay Municipal Water District provides water to approximately 88,000 residents or 2/3rds of the County's population. We provide the source water to our seven Municipal Customers and a small number of direct bill residents. Our source of supply is the Mad River Basin beginning at our reservoir Ruth Lake where water is impounded during the rainy season and then released during the dry season to provide a continuous water supply. Our releases travel 75 miles down the Mad River watershed until reaching our Ranney Wells where ground water is pumped at our Essex facility. Given the large amount of Humboldt County population dependent upon our source water, it is essential that the integrity of the high water quality that residents have enjoyed for the past 60 years be protected and preserved for future generations. Consequently, we request that you designate the Mad River Watershed as a Critical Municipal Water Supply Area as provided in the Humboldt County General Plan Section 11.4 Goals and Policies, subsection WR-P4.

Because zoning changes are in process for the implementation of the County's General Plan, we respectfully request that you re-prioritize the General Plan implementation measures that relate to Section 11.4 and/or processing this request and place this issue at the top of that list.

**Land uses within the Mad River Watershed have the potential to significantly impact the quality and quantity of the District's water supplies.**

Land uses within the Mad River Watershed have potential to degrade and contaminate the Mad River, which serves as the District's water supply. These are significant cumulative impacts. It is known that the area around the Ranney intake wells is already in a degraded condition due to gravel mining operations in the area. (See, e.g., Public Notice for Letter of Permission 2004-1, Appx. G.) Runoff from agricultural operations, roads, and other uses can result in cumulatively significant impacts to water quality by drawing pollutants and sediments into the Mad River. Mining and oil and gas operations and other land uses involve hazardous chemicals which, if spilled, can leach into groundwater which flows

into the Mad River, contaminating the District's water supply. Operations within the 100- year floodplain in particular carry a high risk of directly releasing hazardous chemicals into the Mad River during a flooding event, thereby contaminating the District's water supply.

Additionally, land uses in the watershed indirectly impact the District's water quality. In an unaltered system, rainfall is filtered before reaching a river, which reduces the amount of contamination carried into the river. Where there are permeable surfaces, rainwater is absorbed into the soil and filtered by the substrate before it enters the Mad River as groundwater. Vegetation likewise serves to filter runoff and also prevents erosion, thereby protecting water quality from excessive sediment loads. Development reduces the amount of permeable surfaces and quantity of vegetation. As a result, more stormwater flows directly into the Mad River and contains higher contaminant concentrations and sediment loads. These cumulative impacts degrade the District's water quality.

The quantity of water available to the District is also impacted by land uses within the watershed. Land uses that draw from onsite wells reduce the quantity of groundwater that flows into the Mad River. Similarly, land uses that rely in part on rain-water catchment, such as cannabis growing operations, reduce the volume of water that either directly runs into the Mad River or indirectly reaches the Mad River as groundwater.

Ongoing and increasing land uses within the Mad River Watershed will result in cumulative impacts to the quality and quantity of the District's water supplies. Accordingly, the Mad River Watershed is eligible for mandatory designation as a Critical Municipal Water Supply Area. As stated by the Humboldt Community Services District in its February 16, 2018 letter to the Humboldt County Board of Supervisors: "We have only one major water source and the public has invested millions of dollars into making it safe and reliable." Thus, the Planning Commission is requested to recommend to the Board of Supervisors that the Mad River Watershed be designated as a Critical Municipal Water Supply Area under the General Plan to ensure the ongoing safety and reliability of the District's water source.

Given the size of the Mad River, we believe the Board may need to go beyond the standard protocols and develop standards more specific to the concerns of the District. The District concerns are more related to industrial pollution from uses on adjacent lands. We strongly advocate the Board of Supervisors develop standards to offer these protections.

We believe the Planning Commission will be the first stop in the review process. It is our understanding that the portions to be mapped as critical watershed can be tailored and it does not need to be the entire watershed.

We are not sure of the schedule for Critical Watershed Designation however, the District kindly requests the Mad River Critical Designation be moved up in priority while processing the implementation of the County's General Plan.

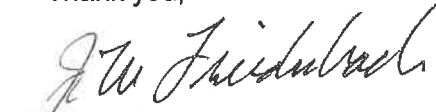
Time is of the essence. The Board of Supervisors just approved various zoning text amendments, including the MR zone, that the District submitted concerns on. There are a lot of recommend zoning changes coming up. The Board of Supervisors is moving into the Community Planning phase and wrapping up the text amendment, then moving on to zoning. Time is of the essence for the District to clarify concerns regarding designating the Mad River Watershed as a Critical Watershed.

We are available to work with Planning Department staff to construct development standards consistent with designation of the Mad River Watershed as a Critical Municipal Water Supply Area. For

example, our District is more concerned with new industrial uses proposed within the watershed versus runoff from small parcels located higher within the watershed.

We look forward to hearing back from you and learning the schedule and process to have the Mad River Watershed designated as a Critical Municipal Water Supply Area under the General Plan Section 11.4 Goals and Policies, subsection WR-P4.

Thank you,

  
John Friedenbach  
General Manager



**COPY**

Cc: Humboldt County Board of Supervisors  
Tina Bartlett, CDFW Northern Region  
Justin Ly, National Marine Fisheries Service

# New Business

To: Board of Directors  
From: Chris Harris  
Date: December 10, 2020  
Re: District Surplus Items

**Items for discussion/approval**

**1. Rescind Surplus Status:**

- a. District Vehicle (Unit 16), 2004 Ford F250, previously surplused April 2020. This vehicle will temporarily be placed back into service at Ruth Lake for use by the Emergency Mad River Watershed Restoration Supervisor.

**2. Approve Surplus Status, E-Waste Items:**

- a. Executive Assistant/Board Secretary and Program-Regulatory Analyst were replaced as part of the 5-year cycle for computer replacement. The predecessor computers need to be surplused. These computers will be sent to e-waste.
- b. Cannon PowerShot Camera. Non-working. Needs to be surplused, will be sent to e-waste.
- c. Dot-Matrix Printer. Non-working. Needs to be surplused, will be sent to e-waste.
- d. 2-sets of computers speakers. Non-Working. Needs to be surplused, will be sent to e-waste.
- e. 10-key adding machine. Non-Working. Needs to be surplused, will be sent to e-waste.
- f. Three very old flip-phones. Non-Working. Need to be surplused, will be sent to e-waste.
- g. Two old smart-phones. Cannot be activated with any current cell service. Need to be surplused, will be sent to e-waste.
- h. Uniden Weather Scanner. Non-Working. Needs to be surplused, will be sent to e-waste.

**3. Approve Surplus Status, District Sale Items (see attached photos):**

- a. Three monitors need to be surplused and will be up for sale to District employees. (Items 1, 2, and 10)
- b. Two laptop bags need to be surplused and will be up for sale to District employees. (Items 3 and 15)
- c. Seven different keyboard and keyboard/mice combinations need to be surplused and will be up for sale to District employees (Items 4, 5, 6, 7, 8, 9, and 11)
- d. A Panasonic camera (LS70) needs to be surplused and will be up for sale to District employees (Item 12)
- e. A first-generation iPad Air (2013) needs to be surplused and will be up for sale to District employees (Item 13).

- f. The District laptop (Lenovo Thinkpad, Windows 7) was replaced as part of the 5-year cycle for computer replacement. This laptop needs to be surplus, and will be up for sale to District employees. (Item 14)

Any Items not purchased by District employees will be sent to e-waste.

### **Staff Recommendation**

Staff recommends approval to the following:

1. RESCIND surplus for prior unit #16 (2004 Ford F250)
2. SURPLUS the following:
  - a. Two desktop computers, one laptop computer
  - b. Two Cameras
  - c. One Printer
  - d. Two sets of computer speakers
  - e. One 10-key adding machine
  - f. Five old cellphones
  - g. One Weather Scanner
  - h. Three Monitors
  - i. Two Laptop Bags
  - j. Seven Keyboards and Keyboard/Mice Combo's
  - k. One iPad Air, First Generation

### **Attached**

Photos of items to be for sale to District employees.

1. 22" Monitor (NMS #07379)



4. Microsoft keyboard



2. 21" Monitor – No Stand (NMS #5389)



5. Microsoft keyboard



3. VIAO Laptop bag – Backpack style



6. Lenovo keyboard



7. Lenovo keyboard



8. Lenovo keyboard



9. Lenovo keyboard



10. 21" Monitor – No Stand (NMS #5388)



11. Lenovo keyboard



12. Panasonic Lumix DMC-LS70 Camera





13. iPad Air (first generation) and case



14. Lenovo Laptop (Windows 7)



15. Laptop Case – Targus



## Humboldt Bay Municipal Water District

To: Board of Directors

From: Samantha Ryan

Date: December 10, 2020

Subject: America's Water Infrastructure Act

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**Introduction:**

In October 2018, America's Water Infrastructure Act (AWIA) was signed into law. This act requires community drinking water systems serving more than 3,300 people to develop or update risk and resilience assessments and emergency response plans by the following deadlines:

<i>Population Served</i>	<i>Risk Assessment</i>	<i>Emergency Response Plan*</i>
<i>≥ 100,000</i>	March 31, 2020	September 30, 2020
<i>50,000 - 99,999</i>	December 31, 2020	June 30, 2021
<i>3,301- 49,999</i>	June 30, 2021	December 30, 2021

\*Emergency response plan certifications are due six months from the date of the risk assessment certification. The dates shown above are certification dates based on a utility submitting a risk assessment on the final due date.

**Risk and Resilience Assessment:**

The risk and resilience assessment must assess the risks and resilience of specified assets to malevolent acts and natural hazards. While this can be done using a variety of methodologies, the Environmental Protection Agency (EPA) provides two tools that ensure compliance with AWIA requirements: (1) American Water Works Association's Cybersecurity Assessment Tool and; (2) EPA's Vulnerability Assessment Tool (VSAT). Staff conducted a risk and resilience assessment using these tools, which generated reports for the District to utilize for planning purposes. Due to the critical infrastructure security concerns of the contents of these reports, the results will not be discussed but the reports are available for the Board to review.

**Next Steps:**

Staff will submit the risk and resilience assessment certification form to the EPA prior to December 31, 2020.

Over the next six months, the emergency response plan will be updated. The emergency response plan describes the District's strategies, resources, plans, and procedures to prepare for and respond to an incident, natural or man-made, that threatens life, property, or the environment. Incidents can range from small water main breaks or localized flooding to large scale hurricanes, earthquakes or system contamination, among other situations.

The Board will be informed when the emergency response plan has been updated and staff will submit the emergency response plan certification form the EPA prior to June 30, 2021.

**Humboldt Bay Municipal Water District**

To: Board of Directors  
From: John Friedenbach  
Date: December 3, 2020

Re: Ruth Lease Lot Improvement Policies

**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.

The August Complex wildfire has created catastrophic loss of structures at some of the Lease Lots. In many cases, there is only a pile of burned rubble left. DTSC and FEMA are in the process of removing the hazardous and non-hazardous waste from these sites. After which, the District will begin the process of hazard tree removal and salvage logging on District property.

The affected Lease Lot Holders are beginning plans to re-build their structures. Staff believes now is an appropriate time to review the Lease Lot improvement policies and procedures. There are two reasons for this. The first is to consider whether any modifications should be initiated to existing policies. The second is to inform Lease Lot holders of the established policies and procedures to facilitate an efficient re-building process.

Attached for your reference is a copy of the RLCSD's Policy Handbook section titled: Recreational Lease Site Standards, Policy Number 6000. One issue that will undoubtedly come up is: Can Lease Lot holders replace a non-compliant "grandfathered" structure? See section **6000.03 Existing development**. Some examples of this relate to structures not in compliance with the elevation of structure, setbacks from side and back lot line (**6000.23 Placement**), excessive number of structures (**6000.22 Extent**).

Also attached for your reference is a summary of the approval process for a Lease Lot holder to obtain approval for a desired improvement to their lease lot.

**Discussion**

Staff would like direction about the question raised above regarding prior "grandfathered" exceptions to the established policies for Lease Lots whose structures have been totally consumed/removed by the wildfire. The attached policies are the established policies of the RLCSD. As such, any desired changes must be made with the full cooperation with and by the RLCSD.

**Ruth Lake CSD – Ruth Lake Buffer Strip Lease Improvement Approval Process**

Leaseholder requests approval for lease site improvement from Ruth Lake CSD via request form. RLCSD staff reviews established Lease Lot policies for project conformity. RLCSD, sends form to HBMWD Ruth Area Representative Larry Raschein for review and/or inspection. Larry reviews proposed improvements and identifies any potential concerns by HBMWD. If any concerns are identified, he communicates those to RLCSD and Lease Lot Holder. He then forwards improvement request to HBMWD main office.

If Larry responds that he sees no HBMWD concerns/issues with the request, the information is entered into our database and an approval letter is generated. An inventory of previous approvals for this lease site is also generated.

The original request from RLCSD, the HBMWD approval letter and the inventory of previous improvements are given to the Business Manager for review before it is given to the GM for signature. Review by the Business Manager or General Manager may identify other possible areas of concern or non-compliance with established RLCSD policies or HBMWD lake operations. If this occurs, then more information or project change may be requested of Lease Lot Holder.

The original signed HBMWD approval letter is sent to RLCSD who communicates approval/denial to Lease Lot Holder. Copies are sent to the District Superintendent, HBMWD Ruth Area Rep and one is kept in our Eureka office file with the original request from RLCSD. The inventory of improvements is filed in the RLCSD Binder.

HBMWD has 45 days to respond to request, either approving or denying the request or requesting further information. If HBMWD fails to respond to the request within 45 days, the leaseholder may proceed with the requested improvement. The approved improvement must be completed within 360 days or a new request must be initiated after 361 days.

A binder with the RLCSD Policy for Lease sites on the Buffer Strip is often referenced when researching improvement requests.

# Ruth Lake Community Services District Ruth Lake Buffer Strip Lease Improvement Approval Form

The Following improvement(s) are authorized in concept for implementation upon the Districts  
Lease Lands at Ruth Lake:

Approval Date:  
Leaseholder:

Lease Lot Number:

Improvement(s):

- 1. Fire & Liability Insurance certificate filed at RLCSD office must be current (XX/XX/XXXX)
- 2. Disturbed ground must be contained, treated or removed to ensure no erosion into lake.
- 3. All debris must be removed from site upon completion.

**Comments:**

**General Conditions:**

- 1. Sublease holder must obtain all permits prior to commencement of project. A copy of all final inspection permits must be submitted to RLCSD when project is complete.
- 2. Approved project must be started within 360 days of the approval date, or it must be resubmitted.

**Disclaimer:** RLCSD conceptual approval does not imply engineering, building, safety, planning or health approval. It only means approval in concept and that the improvement does not appear to interfere with RLCSD or HBMWD activities of the master lease with Trinity County and Humboldt Bay MWD. It is not a substitute for any permits required by Trinity County or other State or Federal agencies.

**Note:** No structures shall be placed at an elevation less than 2675 ft. **(spillway level plus 21 feet)** Horizontal setback (from the 2675 level) must be 20 ft. Side and back lot line spacing shall not be less than 30 feet. Lease lots wishing improvements but not able to meet all of these requirements must be considered on an individual basis by both the RLCSD board and the HBMWD board of directors.

**Vertical distance from spillway (2654) (estimated/measured) is? + 2675**

**Horizontal distance from 2675 (estimated/measured) is? +20**

cc: Leaseholder  
Lease file  
HBMWD

Signature:

**RUTH LAKE COMMUNITY SERVICES DISTRICT**  
**Policy Handbook**

**POLICY TITLE: Recreational Lease Site Standards**

**POLICY NUMBER: 6000**

**6000.00 Purpose:** The purpose of this policy is to guide development and use on recreational sublease sites within the buffer strip around Ruth Lake. It also provides some direction on identifying and correcting deficiencies on existing structures and sites.

**6000.01 Need:** These standards provide a framework for the district administration to guide development around the lake. As the lake becomes more popular, the actions of individual leaseholders increasingly impact the sites and users around them. Environmental concerns of development are receiving more attention and regulation. State and County health, building, planning, and fire safe codes and laws are becoming ever stricter and are being increasingly aggressively enforced. The subleases, although the sub-leaseholders individual responsibility, are collectively and ultimately RLCSO's responsibility.

**6000.02 Philosophy:** Use of the buffer strip is recreational in nature.

A. Development will be controlled to the extent that it will encourage recreational, part time use, and not allow full time residential use.

B. Development will be designed to minimize impact on the "view shed" from the lake and the road.

C. Development will also be guided by the philosophy exemplified by the statement that one well designed small garage is preferable to several small storage sheds.

D. Some sites will not support even this much development, and all development will be addressed on a case by case basis.

E. It is acknowledged that these guidelines will permit some types of development on some lease sites and prohibit the same type and extent of development on other sites. What was allowed in the past is not necessarily acceptable practice today.

F. All development shall be as non-invasive as possible, blending in with the natural surroundings as much as possible.

G. All projects are considered on a case by case basis. Approval at one site does not imply approval at another site.

**6000.03 Existing development:** Structures which have been previously approved by RLCSO, HBMWD and Trinity County (as appropriate), which may otherwise appear to violate this policy, shall be allowed to remain unless they present a safety or other hazard, or are being maintained so poorly they become unsightly.

A. If a leaseholder wishes to construct a new structure, he may be required to remove an existing structure of similar use even if previously approved, as is consistent with paragraph 6000.02C above.

**6000.04 Use:** Ruth Lake is an artificial impoundment of water created primarily for municipal and industrial purposes and any recreational use of the water is subordinate to such uses.

A. Recreational sub-lease sites shall not be used for residential purposes or become the domicile of the lessee. Policy 6010 addresses this topic.

**6000.05** The standards for **boat access only leases** are further guided by policy 6400.

**6000.10 Maintenance:** The sublease contract requires that the lease site be maintained in good condition and kept in a clean and sightly condition and in as good of condition as when possession was delivered to sublessee.

**6000.11 Trash and garbage:** The lease site will be free of visible garbage at all times. Trash and garbage will be stored in rigid containers, with tight fitting lids, not plastic garbage bags, and all trash and garbage will be removed when the site is unoccupied. The Ruth Lake area is home to many wild and feral animals which will be happy to make a mess for you. Disposing of trash or garbage on the buffer strip either in trash cans (other than their own), dumpsters, or outright dumping is prohibited, and may result in prosecution and loss of the lease.

**6000.12 Building materials** may only be stored on the site if a project has been approved and is under construction. Any lease holder found to be dumping construction debris in campground, marina, day use areas, including dumpsters, or any undeveloped portion of the buffer strip will be subject to prosecution, and may lose their lease.

**6000.13 Structures** of all types shall be maintained in good condition. Broken windows, railings, stairs, structures that pose a safety hazard, do not meet current standards because of age or wear must be repaired or removed within the time limit set by the administrator.

**6000.14 Trees and Brush** All trees and brush remain the property of HBMWD under the provisions of the master lease and the sublease contract. Cutting of trees is prohibited without prior written permission of RLCSD and HBMWD (see policy #6350). Trimming of limbs and brush for fire safety, and around roads and structures is permitted as maintenance. Debris must be disposed of as soon as possible by burning. Burn permits are required and enforced.

**6000.15 Gardens:** Gardens are specifically prohibited on leases using water from the lake by the lake water lease addendum. It is the philosophy of both the HBMWD and RLCSD Board of Directors that the areas around the lake remain as natural as possible.

**6000.151** Areas away from the lake, such as the Rodeo grounds and Holly Creek, have developed differently, and shall be allowed to have small flower gardens. Vegetable gardens are prohibited as they are more residential in nature.

**6000.16 Vehicles:** Excessive numbers of cars, boats, trailers, recreational and other types of vehicles shall not be stored on the lease. All such vehicles shall be in working order, well maintained and be neat in appearance. See para. 6000.27 regarding recreational vehicles.

**6000.17 Propane** and other fuel tanks must be secured to a solid post or structure if not designed to be free standing.

**6000.18 Firearms:** The shooting of firearms is prohibited on lease sites except when legally taking waterfowl during waterfowl season.

**6000.19 Fireworks:** Fireworks shall not be used on the buffer strip.

**6000.20 Development and improvement:**

**6000.21** The Buffer strip was developed to provide recreational opportunities for local residents and visitors to the area.

**6000.22 Extent:** Development will generally be limited to one dwelling, one bath facility if not provided for in dwelling (i.e.: primary dwelling is an RV which is intended to be moved regularly), one storage building, one water storage or pumping structure if necessary, and one temporary RV for a guest (see para. 6000.27 below and para. 6000.02C, above).

**6000.23 Placement:** No structure shall be placed at an elevation less than 2675 ft. (spillway level plus 21 ft.). Horizontal setback (from the 2675 ft level) must be 20 feet. Side and back lot line spacing shall not be less than 30 feet. Lease lots wishing improvements but not able to meet all of these requirements must be considered and approved on an individual basis by both the RLCSD and the HBMWD Board of Directors.

**6000.24 Permission:** The recreational sublease (Para 17), requires that the sublease holder gain the written consent of both RLCSD and HBMWD before any alteration, addition, or improvement be made to the lease site. According to the Master Lease, HBMWD has up to 45 days to consider the project, plan accordingly.

**6000.25 Approval:** Approval of a project by RLCSD and HBMWD means only that the improvement appears not to interfere with RLCSD or HBMWD activities on the buffer strip. It does not imply that the project design and engineering is proper or safe. It does not imply that the project is acceptable to Trinity County or other agencies. All projects are considered on a site specific basis, what is suitable on one site may not be allowed on another.

**6000.26 Insurance:** since all structures must be insured against fire hazard, now is a good time to ensure your insurance policy will cover the proposed improvement. The district will ensure a current, valid, and acceptable certificate of insurance, which includes the appropriate amount of fire and liability insurance as stated in the sublease contract, is on file in the district office before approving any project.

**6000.27 Recreational vehicles** are defined as vehicles designed or capable of being dwelt in.

- a. Are limited to one per lease site,
- b. Must remain capable of being moved,
- c. If intended or allowed to remain longer than fourteen days, must have the written permission of RLCSD.
- d. Any RV on a lease site is considered at least one extra bedroom, and the septic tank must be sized to accept the additional load. This must be considered by the District when considering this kind of request.
- e. Under special circumstances, more than one unit will be allowed on a temporary basis, again with written permission in advance obtained from RLCSD.
- f. A recreational vehicle that functions as the main dwelling unit must have a Trinity County Planning Department Directors use permit.

**6000.28 Process for obtaining approval for improvements:**

- A. The sublease holder submits the project to RLCSD for approval. The application must include:



1. A written description of the project, including type of construction, dimensions, materials, and colors proposed.
2. A site map indicating where on the site the project will be located
3. Time table to start and finish project
4. Who will be doing the project.

B. The Administrator has authority to approve any project he feels complies with the lease site standards, county, state, and federal laws, and other guidance provided by the Board of Directors. If the Administrator feels that the project is not consistent with the guidance provided, the Administrator is directed to make the objections known to the leaseholder, and work with them to achieve the goal of the project if at all possible. If the sublease-holder feels the project does meet the guidelines, or that compelling reasons exist for the project to be completed as requested, he may ask the Board of Directors to approve the project.

C. Things for the Administrator to consider when reviewing a project.

1. Does the project fit in to the guidelines outlined.
2. Is the project appropriate to the specific lease site and the area
3. Effect the project will have on the immediate neighbors
4. Effect project has on the view shed from the lake and road.
5. Effect project will have on the operations of HBMWD and RLCSD uses and projects at the lake.
6. Effect project will have on other recreational lake users.
7. Amount and type of insurance coverage required.

D. If approved, the project documents are forwarded by RLCSD to HBMWD for their review and approval. Copies of RLCSD and HBMWD approvals will be forwarded to the leaseholder by RLCSD when obtained. Because environmental and building conditions can change quickly, the project must be begun within one year and substantial progress made or the permission of RLCSD and HBMWD for the project will expire.

E. The applicant may then apply to the appropriate Trinity County department for permits. Trinity County will not issue a permit until it has RLCSD and HBMWD permission on file. Copies of the Trinity County permits shall be forwarded to RLCSD prior to beginning work on the project, and copies of the completed permits must be filed with RLCSD when the project is complete.

F. Building Permits: Building permits are required by Trinity County for any structure larger than 120 square feet, including eaves; any structure with plumbing or electricity, and any structure intended for human habitation regardless of size. Decks may need a permit as well. It is the leaseholders' responsibility to determine the need. RLCSD will assume a building permit is required for all projects unless otherwise notified. No project may begin until a copy of the permit is on file with RLCSD.

**6000.29 Utilities:** Both electrical and telephone connections require a utility easement between the utility provider and Humboldt Bay MWD before installation. HBMWD charges a fee of one hundred dollars (\$100) to cover their costs in establishing the easement. Please contact RLCSD prior to contacting the utility company. Policy 6300 applies.

**6000.30 Water:**

**6000.31 Lake Water:** HBMWD and RLCSD prohibit water diversion from Ruth Lake Reservoir without proper permits. Lake water is defined as any surface water gathered within the flood level of Ruth Lake, determined to be below elevation 2674, 20 feet above the current spillway elevation, and between the Matthews Dam and the Ruth-Zenia Bridge. Policy 8100 and 8110 refer.

**6000.32 Well water:** Wells must be located at least 100 feet from the high water mark of the Ruth Lake reservoir. Previous permission of RLCSD, HBMWD and a permit and inspection from the Trinity County Health Department are required. A copy of the well drillers report must be forwarded to RLCSD.

**6000.33 Surface water:** taken from rivers, creeks or springs located above the flood level within the buffer strip are not regulated, however both RLCSD and HBMWD strongly recommend filtration and disinfection before any type of use. This water may contain contaminants which are harmful to humans.

**6000.40 Sewage disposal systems:** No lease site shall be used until an approved sewage disposal system is in place and approved by Trinity County. This prohibition includes self contained RV's and tent camping. Policies 6220 and 6225 provide guidance on this topic.

**6000.50 Roads:** Roads are becoming a controversial topic nationwide and within Trinity County. Roads must be maintained to the standard they were originally built and may be required to be upgraded as use increases, drainage patterns emerge or change, or for other reasons. Expect to have to upgrade your road as a condition of your Trinity County building permit. Encroachment permits are required wherever a private driveway intersects with a county road. California Fire Safe requirements have a great impact on road design and may well influence where you can place a dwelling or make significant improvements to it. Erosion control must be maintained.

Roads and drainage must be well maintained. See the "Ruth Lake Buffer Strip Road and Lease Site Standards for further information."

**6000.501 Road names:** Any driveway serving more than one dwelling must have a sign post if it intersects a county road. All road names must be approved by Trinity County.

**6000.502 Shared roads:** Shared roads are a shared responsibility of the leaseholders who access it. Culverts and side drains must be cleaned throughout the year. RLCSD does not maintain any roads, but may require work to be done.

**6000.51 Gates:** Requests for gates will be considered on an individual basis. All gates must be approved by RLCSD and HBMWD prior to installation. Chain and cable gates are not acceptable or permissible.

**6000.52 Locks:** All gates if locked must have a lock keyed to the RLCSD master. Master keys are provided to fire, medical, law enforcement agencies, and utility companies that serve the area. If the administrator or any of the above can not open a gate because of an un-approved or non functioning lock, they have permission to cut the lock and the leaseholder must replace it at their expense. Providing a copy of an individual lock key to the RLCSD office does not meet this requirement.

**6000.53 Fences:** Are not allowed except for guarding against an unsafe condition, and only with prior approval.

**6000.54 Signs:**

**6000.541 Street signs:** Each road or driveway serving more than two dwellings must have a street sign if it intersects with a county road. All road names must be approved by Trinity County.

**6000.542 Address signs:** Each dwelling must have its lease number or an address assigned by Trinity County posted on it, or at the driveway entrance that serves that individual dwelling if it will be more visible to emergency vehicles.

**6000.543 No trespassing** signs are not allowed on recreational sub lease site.

**6000.544** You may place "**Private lease**" signs. You may not impede access along the waters edge to 100 feet above it.

**6000.60 Erosion Control:** All lease sites, roads and trails will be constructed and maintained to minimize erosion into the lake, river, and other water courses. RLCSD or HBMWD may require modifications to proposed projects, maintenance or repair work to be done as necessary to ensure erosion control. The Trinity County Building and Planning Departments have final approval on all projects and may require additional mitigations, engineering documentation, and permits.

**6000.70 Boat or swimming docks:** may be placed only with the advance written permission of RLCSD and HBMWD, policies number 6100, 6110, and 6120 apply.

**6000.80 Inspections:** The Administrator or designee may conduct a formal inspection of a lease site when:

1. A proposed assignment is received.
2. The Sublease contract is to be renewed within one year of renewal.
3. A major improvement project is requested.
4. A violation is noticed or reported.

A formal inspection will be documented in the lease file and a copy of the inspection report sent to the leaseholder.

The Administrator may make an informal (or walk through) inspection at any time. This may be followed up with no action, a telephone call, a letter, or a formal inspection.

*Approved by the RLCSD Board of Directors: 7/24/2003  
Revisions to 6000.23; approved by the Board of Directors 8/10/2006*

To: Board of Directors  
From: Sherrie Sobol  
Date: December 09, 2020  
Subject: Appointment of Officers and Committee Members

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At the January Board meeting, the election/appointment of officers and committee members occurs. The following is a summary of required and discretionary actions that will be on the agenda for your January 14, 2021 meeting.

**a. Election/Appointment of Officers**

Attached for your information is Section 5 of the Board's Governance manual that addresses the internal organization of the District (These requirements were taken from the pertinent sections of the California Water Code).

1. President - The Board must elect from its members a President in January of odd-numbered years. Since this will be an odd-numbered year, an election is required.
2. Vice-President – You may elect a Vice-President at any meeting. If the President is absent or unable to act, the Vice-President would exercise the powers of the President.
3. Appointment of Other Officers – The Board may appoint other officers at any time.

**b. Appointment of Committee Members**

Attached for your information is Appendix E of your Governance manual that lists the officer and committee assignments as they existed last year, as well as the committee charters. Each is briefly discussed below.

1. **Other Appointments:**

- ACWA Region 1 –Director Rupp is on the Board
- ACWA-JPIA Board – Director Rupp is currently on the Board and Director Fuller and General Manager Friedenbach are the alternates.
- Countywide RDA Oversight Board-Director Rupp is on the Board
- JPIA Employee Benefits Committee- Director Rupp is on the Committee.
- JPIA Finance Committee- Director Rupp is Committee Vice-Chair
- RCEA Board – Director Woo is on the Board and Director Fuller is the alternate.
- RREDC Board – Director Latt is on the Board and Director Lindberg is the alternate.
- LAFCO – This is an elected position; no Board members are on the commission.
- ACWA-JPIA Executive Committee- Director Rupp was elected to the committee.

**2. HBMWD Committees:**

- **Audit Committee** – This is a standing committee comprised of the Secretary/Treasurer and one additional Board member. Director Woo is serving as the second Board member.
- **Board Policy and Evaluations Committee**- This is an ad-hoc committee to review the Board Policy Manual; the evaluation process for the General Manager and Legal Counsel; and assist the Board in making any changes to improve the manual and evaluation process. The committee is composed of the Board President and one additional member who is nominated by the President and approved by the Board. Director Rupp is serving as the second Board member.
- **Mad River Policy Committee**-This is an ad-hoc advisory committee formed to help protect the District's interest in the Mad River. The committee will be able to attend meetings, and report back to Board the outcomes and recommend any actions to ensure the Mad River watershed is protected. The committee is composed of the General Manager, Board President and one additional Board member who is nominated by the President and approved by the Board, OR two Board members approved by the Board and the General Manager. Directors Fuller and Woo are on the committee.
- **Education and Outreach Committee**-This is an ad-hoc advisory committee to provide education and outreach to the public on various topics as needed.
- **Water Resource Planning Advisory Committee**- This is an ad-hoc advisory committee to provide advice and counsel to the Board of Directors regarding protection of the District's water rights, and additional beneficial use of water pursuant to the District's water rights permits. Directors Rupp and Woo are on the committee.
- **Water Resource Planning-Instream Flow Committee** – This is an ad-hoc committee to support planning and assessment work to determine the feasibility of an instream flow dedication in the Mad River. The committee is composed of two Board members, appointed by the President (with the consent of the majority of the Board) and the General Manager. Directors Fuller and Woo are on the committee.
- **Water Resource Planning-Transport Committee** – This is an ad-hoc committee to assist with market research, assessment, and identification of potential agencies/districts which may be viable candidates for a water transfer in accordance with the District's Term Sheet for Transfer of Water. The committee is composed of two Board members, appointed by the President (with the consent of the majority of the Board) and the General Manager. Directors Rupp and Latt are on the committee.
- **Water Task Force** – This is an ad-hoc committee comprised of one Board/Council member and one management representative from the District and each of the Municipalities and the RLCSD. The Task Force is convened on an as needed basis to address items of significance for the regional water system. The President has served as our Board representative and the General Manager as our staff representative. Director Latt is currently serving as the alternate Board representative.
- **Website and Social Media Committee**-this is an ad-hoc committee to provide advice and direction to upgrade the District's website, and on use of social media. The committee is composed of two Board members appointed by the President and both the General Manager and the Business Manager.

## **Section 5 Internal Organization – Officers, appointed positions and Employees**

### **Section 5.1 - Election of president; vice president**

At its first meeting in the month of January of each odd-numbered year, the board must elect one of its members president. The board may at any meeting elect one of its members vice president. If the president is absent or unable to act, the vice president shall exercise the powers of the president.

### **Section 5.2 - Appointments**

The board will appoint, by a majority vote, a secretary, treasurer, attorney, general manager, and auditor, and shall define their duties and fix their compensation. The board may at any meeting appoint an assistant secretary and assistant treasurer. Each of these shall serve at the pleasure of the board. The board may consolidate the offices of secretary and treasurer.

### **Section 5.3 - Employment of employees**

The board may employ additional employees as it deems necessary to efficiently maintain and operate the district.

### **Section 5.4 - President and secretary**

The president and secretary, in addition to the duties imposed on them by law, will perform such duties as may be imposed on them by the board.

### **Section 5.5 - Treasurer**

The treasurer, or other persons as may be authorized by the board, will draw checks to pay demands when such demands have been audited and approved in the manner prescribed by the board.

### **Section 5.6 - General Manager**

Subject to the approval of the Board of Directors, the General Manager has:

- (a) full charge and control of the construction, maintenance, and operation, of the water system,
- (b) full power and authority to employ and discharge all employees and assistants (other than the officers referred to in Section 5.2 above) and prescribe their duties, and fix their compensation.

The general manager will also perform other duties as prescribed by the board.

### **Section 5.7 – Legal Counsel**

The attorney will be the legal counsel of the district and will perform other duties as may be prescribed by the board.

### **Section 5.8 – Auditor**

On an annual basis, the auditor shall review District financial transactions for accuracy and transparency as well as to ensure compliance with all applicable GAAP and GASB requirements. Upon completions of this annual review and analysis, the auditor shall issue Audited Financial Statements for the District.

### **Section 5.9 – Committees**

The Board may create committees, either standing or ad-hoc, and prescribe their duties and authority. Prior to appointment of board members to any committee, the President shall initiate a discussion to answer any questions about the purpose of the committee, and to assess board members' interest and availability to serve on that committee. Following such discussion, the President shall nominate board members to serve on the committee, following which the Board shall approve the nomination(s). No more than two board members may serve on the same committee.

Appendix E contains a listing of the District's current officers, other appointments, and the current committee members and charters.

(Water Code Section 71273 and Section 71340 and following)

**HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
Officers and Committee Assignments**

<b>Officers of the District</b>	<b>Incumbent/Member</b>	<b>Term</b>
President	Sheri Woo	Until new appointment by Board (odd numbered years)
Vice President	Neal Latt	Until new appointment by Board
Secretary-Treasurer	J. Bruce Rupp	Until new appointment by Board
Assistant Secretary Treasurer	Michelle Fuller	Until new appointment by Board
General Manager	John Friedenbach	Until new appointment by Board
Attorney	Ryan Plotz and Russ Gans of Mitchell, Brisso, Delaney & Vrieze	Until new appointment by Board
Auditor	R.J. Ricciardi, Inc.	Until new appointment by Board
<b>Other Assignments/Appointments</b>		
ACWA Region 1 Board Member	J. Bruce Rupp	Next Election
ACWA-JPIA Board Member	J. Bruce Rupp (regular) John Friedenbach (alternate) Michelle Fuller (alternate)	Until new appointment by Board
JPIA Employee Benefits Committee	J. Bruce Rupp	Until new appointment
JPIA Executive Committee	J. Bruce Rupp	Until new appointment
ACWA Finance Committee, Vice Chair	J. Bruce Rupp	Until new appointment
RREDC Board Member	Neal Latt (regular) David Lindberg (alternate)	Until new appointment by Board
RCEA Board Member	Sheri Woo (regular) Michelle Fuller (alternate)	Until new appointment by Board
Countywide RDA Oversight Board Member	J. Bruce Rupp	Until Next Election Cycle
<b>Committee Assignments (Charters Attached)</b>		
Audit Committee	Secretary/Treasurer with Sheri Woo (2013)	Secretary/Treasurer is standing member and second Director appointed year-to-year

## HUMBOLDT BAY MUNICIPAL WATER DISTRICT Officers and Committee Assignments

Committee Assignments (Con't) (Charters Attached)		
Water Task Force	One Board/Council member and one management representative from District and each Municipality (may also include a representative from wholesale industrial customer) and Ruth Lake CSD  HBMWD Members: President Sheri Woo and GM Alternate: Neal Latt	Until new appointment
Water Resource Planning Advisory Committee	Bruce Rupp and Sheri Woo	Until new appointment
Committee to Support and Advance Local Water Sales and Advance Consideration of "Transport" Option	J. Bruce Rupp and Neal Latt	Until new appointment
Committee to Support Consideration of an Instream Flow Dedication in the Mad River	Sheri Woo and Michelle Fuller	Until new appointment
Board Policy & Evaluations Committee	President and J. Bruce Rupp	Until new appointment
Education and Outreach Committee	David Lindberg and Michelle Fuller	Until new appointment
District Website Social Media Ad-Hoc Committee	Sheri Woo and Michelle Fuller, Business Manager	Until new appointment
Mad River Policy Committee	Board President and Director Fuller	Until new appointment



**Humboldt Bay Municipal Water District**

To: Board of Directors  
From: John Friedenbach  
Date: December 4, 2020  
Subject: Policy & Procedure re: Participation/Response to Zoning and Other Land Issues Affecting the Mad River Watershed

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**BACKGROUND:**

The Mad River Policy Committee is comprised of the Board President (Sheri Woo) and Director Michelle Fuller. At the October 11, 2018, they shared the draft policy with respect to Zoning and Land Use Changes that potentially affect the Mad River. (See attached minutes of October 11, 2018 pgs. \_\_\_\_\_)

At the November 8, 2018 Board meeting I shared that I was responding to referrals from the County regarding cannabis permits and was using the matrix developed by the Mad River Policy Committee. (see attached matrix pgs \_\_\_\_\_)

At the December 13, 2018 meeting, the Mad River Policy Committee shared the revised (with legal counsel input) policy and procedures for Participation/Response to Zoning and Other Land Issue Affecting the Mad River Watershed. (see attached minutes and policy and procedure pages \_\_\_\_\_)

**CURRENT:**

Last month, a Board member expressed concerns that a letter was sent to the Humboldt County Board of Supervisors regarding a cannabis project without full Board approval. Another Director noted that the Board previously agreed on criteria for Board approval versus staff being authorized to send letters. Also, for cannabis concerns, template paragraphs were reviewed and approved.

**RECOMMENDATIONS:**

Staff recommends the Board discuss and determine if they wish to review and possibly change the Policy & Procedure re: Participation/Response to Zoning and Other Land Issues Affecting the Mad River Watershed. If changes are requested, staff recommends the policy and procedure go back to the committee who will then submit revised policy and procedure for possible approval at a future Board meeting.



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



**Minutes for Meeting of Board of Directors**

**October 11, 2018**

**G. CORRESPONDENCE**

Email from USFW re: Dunes Guild

Mr. Friedenbach stated he included the email for informational purposes and it is not listed for any action. He noted that staff received two inquiries regarding the email and one of them provided comment via email that was shared as an addition to the Board packet.

Letter from CDFW re: Ruth Lake Headwaters Restoration Grant

The District received notification that the Ruth Lake Headwater Restoration project would not be receiving funding this grant cycle. Mr. Friedenbach stated the District will resubmit in another grant cycle. He also stated that he met with the new Six Rivers Forest Supervisor, Ted McArthur. One of the topics discussed was the grant, as well as the MOU for water withdrawal from Ruth Lake for fire suppression purposes. The meeting was very productive. Director Fuller suggested staff follow up with CDFW and ask for the scoring information as this might be helpful for the next grant cycle.

Email from CalOES re: NOI for Flood Mitigation Assistance Grant

Mr. Friedenbach shared the notice from CalOES stating the R.W. Matthews Dam Failure Inundation Maps NOI was “determined the NOI did not represent an eligible jurisdiction and/or activity”. He will follow up and ask CalOES why were invited to apply with this project only to be immediately denied. If the DSOD requires the District to update the existing FERC approved inundation maps, it could cost up to \$200,000.

**H. CONTINUING BUSINESS**

Water Resource Planning - re: water-use options under consideration (local sales, transport, and in-stream flow dedication)

Mr. Friedenbach stated there is not much to report out. He shared the article regarding the Sites Reservoir which could potentially have less water at its disposal. This could be a possible opportunity for water transport. Director Rupp concurred and suggested he and Mr. Friedenbach try to meet to discuss opportunities at the ACWA conference.

Cannabis Grows affecting Mad River Watershed

The Board discussed the two articles regarding eradication of illegal cannabis grows in the Mad River Watershed.

The Mad River Policy Committee reported out on their meeting. Attorney Leslie Walker participated in the meeting and provided good input. The committee drafted policy on HBMWD’s Interests and Actions with Respect to Zoning and Land Use Changes that Potentially Affect the Mad River Watershed. The Board discussed the policy and provided suggestions including removing the first set of bulleted points and adding in the last paragraph that the GM will notify the Board President at a minimum. The Board suggested the draft policy be shared with the Municipal Customers to receive their input. Staff will bring the revised policy back to the November Board meeting for possible approval.

Humboldt County Public Hearing re: New Zoning Districts proposed to be added and properties

The new zoning districts for Humboldt County was not discussed at the October 4, 2018 Planning Commission meeting due to lack of time and was continued to October 18, 2018. Mr. Friedenbach shared the letter the District sent expressing concerns. He stated he met with John Ford and John Miller to discuss the concerns as well. He shared the email received from John Ford which shared the proposed changes addressing some of the concerns. It wasn’t exactly what was requested but the changes are acceptable. Mr. Friedenbach requested clarification on proposed County Code section

*From Oct 11, 2018 meeting*

**Draft - Policy on HBMWD's Interests and Actions with respect to Zoning and Land Use Changes that Potentially Affect the Mad River Watershed**

**Introduction and Background**

The purpose of this policy is to clarify the scope of HBMWD's (the District's) interests and actions in zoning and land use changes in the Mad River watershed that have the potential to affect or impact the District's ability to achieve its Mission. Although other state and local resources agencies have permitting jurisdiction over activities in the watershed, HBMWD's mission statement includes the directive to "protect the environment of the Mad River watershed to preserve water rights, water supply and water quality interests of the District."

Throughout 2018, District Directors have actively supported the District's mission with respect to water supply and water quality:

- January 17, 2018. Board member statement that "...protection of our asset—clear, clean water—is our most important mission and highest priority."
- January 17, 2018. Board unanimously agrees that water quality must be protected and supports filing an appeal of a County Planning Commission decision.
- April 20, 2018. Board member statement of concern with maintaining the integrity of the entire Mad River basin as a water source.
- May 15, 2018. Board member statement of the importance of being aware of any projects that may affect water quality so that we may benefit from Mad River Alliance monitoring.
- May 15, 2018. Board unanimously agrees to formally request that Humboldt County Planning and Building Department notify the District of any zoning and land use changes in the watershed.
- May 24, 2018. Letter from District to the County Board of Supervisors informing them of our notification request to the Planning and Building Department so the District is included in plan checks, Notice of Applications, public hearings, and CEQA processes for projects in the Mad River watershed.
- September 26, 2018. Meeting of HBMWD's Mad River Policy Committee to discuss contents of this policy document.

Water Code section 71610 (a) states: Except as provided in subdivision (b), a district may acquire, control, distribute, store, spread, sink, treat, purify, recycle, recapture, and salvage any water, including sewage and storm waters, for the beneficial use or uses of the district, its inhabitants, or the owners of rights to water in the district.

Water Code section 71590 states: A district may exercise the powers which are expressly granted by this division or are necessarily implied.

**General Manager Scope and Parameters**

The District has determined that it should participate in zoning and other land use decisions affecting the Mad River Watershed in order to protect the District's ability to fulfill its Mission and delegates to the General Manager (GM) the authority to perform this function, in accordance with the following parameters. Potential impacts to water supply and water quality are characterized by degree of risk,

which in turn is determined by probability and intensity. Every situation will be unique and assessing a zoning or land use change's potential impacts will necessarily be on a case-by-case basis. Upon reviewing a notification of zoning or land use change, the GM<sup>1</sup> will characterize the degree of risk of water supply and water quality impacts. If the GM needs assistance to characterize the degree of risk, s/he will consult with others who can assist in the determination.

**Characterization of Risks from Zoning and Land Use Changes in the Mad River Watershed and HBMWD General Manager's Scope and Direction**

Probability	Intensity	Example	District GM Scope
low	low	Failure of storage tank and secondary containment, low volume tank located far from surface water body or well	GM discretion ranging from no action to notifying County Planning of District's review. Notification of Board unnecessary.
high	low	Drought decreases well yield, intensity mitigated by adequate surface water storage	GM discretion ranging from no action to requesting County Planning provide additional information that supports low intensity impact. Notification of Board unnecessary unless legal consultation is required.
low	high	Release of chemical compounds and failure of secondary containment, release located close to a surface water body or well	GM will notify County of District's concerns. GM will notify Board.
high	high	Drought decreases well yield, no alternative water source identified other than tributary or mainstem surface diversion	

The types of issues about which the District is likely to be concerned are defined by those that could impact the District's fulfillment of its Mission, its water rights, water quality in Mad River, and/or compliance with its 2004 Habitat Conservation Plan. Issue areas on which the District would most likely provide comments to County Planning include:

- Water rights and water supply/availability and consumption
- Water quality (surface and groundwater)
- Consistency with County General Plan, land use designations, and zoning ordinances
- Public safety as it relates to the District's mission
- Special Status, Threatened, or Endangered Species, especially those covered in the District's HCP
- CEQA compliance

The scope of the District GM's authority and responsibility also includes:

- As staff time allows, reviewing all other notification outlets (e.g., newspapers, online postings) as a back-up to notifications received from County Planning.
- Notifying resource agencies with permitting jurisdiction of District concerns
- When the GM determines that a zoning or land use change could present a high intensity risk and when under time constraints, the GM should make every effort to notify the Board but may submit comments and requests for additional information to the County without notifying the Board to comply with comment deadlines.

<sup>1</sup> Or staff or consultants at the GM's direction.



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



**Minutes for Meeting of Board of Directors**

**November 8, 2018**

**H. CONTINUING BUSINESS**

Water Resource Planning - re: water-use options under consideration (local sales, transport, and in-stream flow dedication)

Mr. Friedenbach stated there is no significant information to report regarding local sales and transport. A site visit was made by the grant administrators from the Wildlife Conservation Board for the instream flow grant. The District's consultant team met with them on site. President Woo stated the meeting went well.

Cannabis Grows affecting Mad River Watershed

Mr. Friedenbach shared a press release from the Humboldt County Sheriff's Office Drug Enforcement Unit regarding the Cannabis Eradication/Suppression Program. The grant cycle was for October 2017-September 2018. The release provided statistics such as number of operations conducted, plants and products eradicated, currency and firearms seized and arrests.

Mr. Friedenbach stated the District is also responding to referrals from the County regarding cannabis permits. Staff is using the matrix developed by the Mad River Policy Committee. Many of the projects are on the Mad River or use tributaries to the Mad River as a water source. Director Rupp stated the District is not opposed to the cannabis projects as long as they do not impact the Mad River negatively. Mr. Friedenbach concurred and added that the District is responding in reference to TPZ zones, water source and CEQA. The Board stated they were appreciative and supportive of the extra work required to do this.

Humboldt County Planning Commission Public Hearing re: New Zoning Districts proposed to be added and properties

Mr. Friedenbach shared the District's letter provided to the Humboldt County Planning Commission regarding the proposed reclassification of APN 504-161-010, owned by Mercer Fraser. The property is currently zoned AG. In early October, the proposed zoning change was to Agriculture Exclusive (AE), with Mineral Resource and Streamside Management Areas and Wetlands combining districts. The November Planning Commission staff report suggest that staff now proposes to zone the parcel Heavy Industrial. Under the IR land use designation, there are five land use options, including AE, which the District is supportive of. The letter lays out the Districts opposition to this proposed change adjacent to the Mad River and drinking water intake infrastructure and other concerns such as the lack of transparency with the proposed changes.

Mr. Friedenbach and several Board members attending the Planning Commission hearing on November 1, 2018. Mr. Friedenbach and numerous others provided public comment. It was a long meeting and, in the end, the commission did not vote on the changes requested by the individual property owners, including Mercer Fraser. Director Rupp thanked the other Board members for attending the meeting, as he was not able to. He also noted the Board of Supervisors has the purview to make zoning changes and if it gets to that point, the District should be there to represent. Director Fuller added the District also needs to pay attention to community plans as well since this could incorporate zoning changes.

Agreement with City of Arcata re: Direct Water Services from Transmission Lines

In the 1970's multiple meters were installed at 4200 and 4700 West End Road in Arcata for industrial businesses and are connected directly to the HBMWD transmission line. Historically, the District includes any water used through these meters on the City of Arcata monthly wholesale invoice. The City in turn charges for fire service on their domestic water bills to these customers.

In July, the Board authorized staff to work with District Counsel to draft an agreement with the

**CANNABIS REFERRAL TEMPLATE FOR RESPONDING TO COUNTY BUILDING AND PLANNING****Items highlighted may need to change based on project specifics****TPZ****I. The Project Is Prohibited in TPZ**

The project is located in a Timberland Production Zone (TPZ). The project proposed is in TPZ where new or expanded cultivation activities are prohibited. Expansion of pre-existing cultivation site permits is specifically prohibited in TPZ's. TPZ is a special zoning designation affording superior protection to timberland preserves. (Humboldt County Code, § 314-7.1; Government Code, § 51101, 51102.) These areas are devoted to and used for growing and harvesting timber, or for growing and harvesting timber and compatible uses. (Humboldt County Code, § 314-7.4; Government Code, § 51110, subd. (b).) The Cannabis Ordinance provides "[e]xpansion of Pre-Existing Cultivation Sites is prohibited where located within the [Commercial Timberland (TC)] or TPZ." (Humboldt County Code, § 55.4.6.5.)

The Cannabis Land Use ordinance section 55.4.11 allows the County to require additional information from the applicant. We encourage the County to request materials including: Irrigation Plan, and documentation of water use, source, and storage.

**OPERATION SIZE, OTHER PLANS REQUIRED**

The District requests the County require a full environmental review. The Mad River and other streams run through the project area. Given the size of these operation, and their intention to store riparian water, we encourage the County to request a number of these materials including: an Irrigation Plan, Hazardous Materials Site Assessment, Surveys for Biological Resources and Sensitive Habitat, documentation of water use, source, and storage.

**WELLS**

The District requests confirmation that based on the well permit drilling log and local geology the water source is hydrologically disconnected from surface water or the influence of surface water. (*NOTE: This is generally included on the front page of response letter with Project description*)

**I. The Project May Jeopardize the SGMA-Subject Mad River Valley Basin.**

The California legislature passed the Sustainable Groundwater Management Act (SGMA) in 2014 in order to identify strategies and conservation plans to provide long-term sustainable groundwater management across the State. (Wat Code, § 10720 et seq.) Medium and high priority basins are required to form sustainability plans in order to prevent the basins from being depleted any further

than they currently are. (*Id.*, § 10720.5, subd. (a).) This means that increased protections and water management techniques are to be required in certain areas.

The Mad River Valley Basin is a medium-priority basin where the groundwater resources in the area are stressed and subject to SGMA controls. (2018 SGMA Basin Prioritization Process and Results, May 2018, p. 6.) The project plans to draw an undisclosed amount of groundwater per year from the Mad River Valley Basin. This project would further stress the limited groundwater resources in the area that are relied on by the nearby communities and other established commercial uses.

### **PONDS**

The pond appears to be a potential species problem. Section 55.4.12.8 of the Cannabis Land Use regulations require that ponds and reservoirs be set back from streams, springs, and other hydrologic features. They also have to be designed so that they can be drained.

### **STREAM OR RIVER DIVERSION**

#### **I. The Project May Harm Mad River Water Flows and Fish**

Mad River is a waterway subject to the protections of the public trust doctrine which establishes a local government responsibility to maintain the flows of the waterway for public use. (*Cal. ex rel. State Lands Com v. Superior Court* (1995) 11 Cal.4th 50, 63 [the beds of navigable rivers are owned by the state in trust for the public.]) The project proposes to source irrigation water from a Class II spring diversion. Therefore, we respectfully request that the County verify the water rights at the Water Board claimed to be owned and permitted by the applicant prior to issuing a CUP. In addition, storm water runoff from the project could carry chemicals and debris into the Mad River, contaminating not only the drinking water source, but also fish and other species in the water bodies, assuming the Class II spring terminates into the Mad River.

It is the District's understanding and belief that the State Water Board has determined that the Mad River is fully appropriated and there are no more water rights available for appropriation. (See State Water Board Order 98-08; Water Code, § 1206.) Therefore, we respectfully request that the County verify with the Water Board the water rights claimed to be owned and permitted by the applicant prior to issuing a CUP.

### **CEQA**

#### **I. The Project Is Subject to CEQA Review**

There is a reasonable possibility that the activity will have a significant effect on the environment. Therefore, a full environmental review may need to be conducted for this project. Reliance on a prior environmental document or an exemption will not adequately capture the likely environmental impacts, especially given the cumulative impacts of this project, in conjunction with other projects in the Mad River area.

Cumulative impacts refer to two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts... The individual

effects may be changes resulting from a single project or a number of separate projects. (CEQA Guidelines, § 15355, subd. (a).) Essentially, an agency cannot forego environmental review if, “taking into consideration the effects of past, current, and probable future projects, the environmental effect is significant.” (*Aptos Council v. County of Santa Cruz* (2017) 10 Cal.App.5th 226, 285.)

There are a number of cannabis operations occurring in the Mad River area, drawing on limited water and posing a potential threat to the drinking water source and sensitive habitats. This is only one of many similar operations in the area. While the County may find reason to conclude each project individually is exempt, a point not conceded by the District, permitting each of these operations based on an exemption avoids adequate analysis of impacts of the cumulative impact on the river.

For the above reasons, the District requests the Planning Department require full environmental review of **Conditional Use Permit application 16-154 for Cannabis Cultivation Sites**. Additionally, we request that the District be notified when the level of environmental review is determined and when the draft environmental document is available for review by the public.

#### LTSA, NOI OR WATER RESOURCE PROTECTION PLAN

##### **I. Regional Water Board Approval**

The referral information states that the Applicant has submitted **an NOI to the Regional Water Board and that a Water Resources Protection Plan is currently being prepared**. The District requests that the Planning Commission defer action on this CUP until all conditions under the Regional Water Board’s NOI have been satisfied and until the **Water Resources Protection Plan** has been completed and reviewed by Planning Department staff and circulated to referral agencies for comment.

For the above reasons, the District requests the Planning Department require full environmental review of Conditional Use Permit applications CUP16-369 for Cannabis Cultivation Sites. Additionally, we request that the District be notified when the level of environmental review is determined and when the draft environmental document is available for review by the public. Furthermore, we request that the CUP application be suspended until such time as an **LTSA** is issued by the CDFW and is circulated for agency referrals. We also request that the CUP be suspended until such time as the **NOI** filed with the Regional Water Quality Control Board and its associated compliance documents are completed and circulated for agency referrals.





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



**Minutes for Meeting of Board of Directors**

**December 13, 2018**

**H. CONTINUING BUSINESS**

Water Resource Planning - re: water-use options under consideration (local sales, transport, and in-stream flow dedication)

Local Sales

Mr. Friedenbach stated the District has been involved in discussions regarding a possible industrial customer on the peninsula. They have narrowed down their potential location to three sites, one of which is the peninsula. The District has offered both untreated surface water and Ranney water.

Transport

Director Rupp and Mr. Friedenbach met with Jim Watson of Sites Reservoir at the ACWA Fall Conference and reminded him the District has available water. Director Rupp stated Mr. Watson is looking at costs of \$600/af for water. Our cost is at \$1,800/af so we are still not competitive. Director Rupp added that he is concerned that the memory of the community will lapse and transport may not have support in the future. The Board discussed the importance of maintaining the public's education in regards to the community approved three top-tier options: local sales, transport, and instream flow.

Instream Flow

The District is making progress with the tasks in the WCB instream flow grant.

Cannabis Grows affecting Mad River Watershed

News articles

Mr. Friedenbach shared several news articles regarding cannabis in Humboldt County as informational updates.

Mad River Policy Committee: policy on zoning or other land use changes affecting the Mad River Watershed

The Mad River Policy Committee, with the assistance of legal counsel Leslie Walker, drafted a policy regarding Participation/Response to Zoning and Other Land Use Issues Affecting the Mad River Watershed. The policy was shared with the Board at the September meeting and changes were suggested. The policy has been updated and is in the new Policy and Procedure format. Staff recommends approval of the policy. Mr. Friedenbach also shared the template used for responding to comment requests from the County Planning Department regarding conditional use and special permits affecting the Mad River Watershed. Director Hecathorn requested that HBMWD be added above the Policy and Procedure heading. On motion by Director Fuller, seconded by Director Latt, the Board voted 4-0 to approve the policy and procedure. Director Rupp was not present for the vote.

Humboldt County Planning Commission Resolution 18-87 Zoning Text Amendments and Zone Reclassifications to Implement the General Plan

Legal counsel Leslie Walker participated in the discussion via phone to help formulate a strategy for the next zoning meeting. She recapped the events of the December 4<sup>th</sup> Board of Supervisors meeting. The Board of Supervisors pulled two parcels to separately consider the zoning, one was the Mercer Fraser parcel at Essex. Ms. Walker informed the Board of Supervisors that the item was not properly noticed and therefore no changes could be made at that time and that the parcel required additional environmental review. The Board of Supervisors agreed to properly notice the item and bring it back in January 2019. Ms. Walker stated this allows time for the District to provide an updated comment letter. The Board and Ms. Walker discussed what key points should be included in the letter. Mr. Friedenbach stated the Board of Supervisors stated they will take up the zoning issue at their January 15, 2019 meeting. Our next regular Board Meeting is January 10, 2019 and the County needs to have our letter by the January 10 to be included in the Board of Supervisors meeting packet. He suggested

Effective Date: December 13, 2018

Page 1 of 1

## POLICY

### **Participation/Response to Zoning and Other Land Use Issues Affecting the Mad River Watershed**

Cancels:

See Also: TBD

Approved By: Board of Directors

This policy applies whenever there is a zoning or other land use decision that affects the Mad River Watershed.

- 1. The General Manager (GM) has the authority to determine if the District should participate in zoning or other land use decisions affecting the Mad River Watershed.**
  - The District has determined it should participate in zoning and other land use decision affecting the Mad River Watershed in order to protect the District's ability to fulfill its Mission and delegates to the General Manager (GM) the authority to perform this function.
- 2. The GM will characterize the degree of risk of water supply and water quality impacts. If the GM needs assistance to characterize the degree of risk, the GM will consult with others who can assist in the determination.**
  - This may include consultation with legal counsel, District Engineer, or others.
- 3. The scope of the District GM's authority and responsibility includes:**
  - As staff time allows, reviewing all other notification outlets (e.g. newspapers, online postings) as back-up to notification received from County Planning.
  - Notifying resource agencies with permitting jurisdiction of District concerns.
  - When the GM determines that a zoning or land use change could present a high intensity risk and when under time constraints, the GM should make every effort to notify the Board but may submit comments and requests for additional information to the County without notifying the Board to comply with comment deadlines, however, will keep the Board President informed.

Effective Date: December 13, 2018

Page 1 of 1

**PROCEDURE****Participation/Response to Zoning and Other Land Use Issues Affecting the Mad River Watershed**

Cancels:

See Also: TBD

Approved By: Board of Directors

The following procedure applies whenever there is a zoning or other land use decision that affects the Mad River Watershed.

- Potential** impacts to water supply and water quality are characterized by degree of risk, which in turn is determined by probability and intensity. Every situation will be unique and assessing a zoning or land use change's potential impacts will necessarily be on a case-by-case basis.
- Characterization of Risks from Zoning and Land Use Changes in the Mad River Watershed and HBMWD General Manager's Scope and Direction.** Risk level determination can be made by the following chart:

Probability	Intensity	Example	District GM Scope
low	low	Failure of storage tank and secondary containment, low volume tank located far from surface water body or well	GM discretion ranging from no action to notifying County Planning of District's review. Notification of Board unnecessary.
high	low	Drought decreases well yield, intensity mitigated by adequate surface water storage	GM discretion ranging from no action to requesting County Planning provide additional information that supports low intensity impact. Notification of Board unnecessary unless legal consultation is required.
low	high	Release of chemical compounds and failure of secondary containment, release located close to a surface water body or well	GM will notify County of District's concerns. GM will notify Board.
high	high	Drought decreases well yield, no alternative water source identified other than tributary or mainstem surface diversion	

The types of issues about which the District is likely to be concerned are defined by those that could impact the District's fulfillment of its Mission, its water rights, water quality in Mad River, and/or compliance with its 2004 Habitat Conservation Plan. Issue areas on which the District would most likely provide comments to County Planning include:

- Water rights and water supply/availability and consumption
- Water quality (surface and groundwater)
- Consistency with County General Plan, land use designations, and zoning ordinances
- Public safety as it relates to the District's Mission
- Special Status, Threatened, or Endangered Species, especially those covered in the District's HCP
- CEQA compliance

# Engineering



# HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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

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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

November 23, 2020

Ms. Concepcion Chavez, Hazard Mitigation Specialist  
California Office of Emergency Services  
3650 Schriever Avenue  
Mather, CA 95655-4203

Subject: **HMGP #4240-PJ0017-24**  
**12-Month Deadline Extension Request for Project Activity Completion Date**  
**Humboldt Bay Municipal Water District Switchgear Relocation**

Dear Ms. Chavez,

The Humboldt Bay Municipal Water District (HBMWD) respectfully requests a 12-month extension of time for the completion of the HBMWD's 12-kV Switchgear Relocation Project (12kV Project) referenced above. We request that the deadline for the project activity completion date be extended from March 22, 2021 to March 22, 2022. An explanation for the necessary deadline extension is outlined below.

**Verification that progress has been made as described in quarterly reports**

As detailed in the quarterly reports submitted thus far for the project, the District has:  
1) completed Milestones 1, 3 and 4; 2) Milestones 2 and 5 relating to PG&E and the Construction are behind schedule.

**Reason(s) for delay**

The project has been significantly impacted by the COVID-19 pandemic, and remains behind schedule. The review of the switchgear and associated integrated power assembly (IPA) was completed by GHD and forwarded to PG&E. Unfortunately, the submittal has been returned from PG&E with comments to the contractor for another iteration. The six-month time-frame for the manufacture and delivery of this critical component cannot be started without complete approval by PG&E. Once the plans for an approved switchgear exist, the contractor will initiate construction of the IPA and switchgear.

**Current status of the activity/activities**

Site preparation, trenching and vault work for the conduit for power and communication lines has been completed. In addition, the retaining wall has been constructed and the slope above the wall has been backfilled. The pad for the new building has also been constructed. The contractor has prepared the site for winter.

**Current POP termination date and new projected completion date**

Current POP termination date = March 22, 2021  
Requested POP termination date = March 22, 2022

Remaining available funds, both Federal and non-Federal: \$2,300,000. (only \$633,000 has been expended)


Budget outlining how remaining Federal and non-Federal funds will be expended: see original grant application budget.

**Plan for completion, including updated schedule**

The plan of completion is currently projected by the contractor to be July 30, 2021. However, this could be delayed depending upon the construction timeline for the IPA building and new switch gear. Approximately two months are necessary for proper and accurate grant close out activities. Consequently, we are respectfully requesting a revised grant completion date of March 22, 2022.

We appreciate your assistance in this matter. If you have any questions, or require any additional information, please do not hesitate to contact us.

Sincerely,

  
John Friedenbach  
General Manager

Cc: Nathan Stevens, GHD

**Humboldt Bay Municipal Water District**  
**Reservoirs Seismic Retrofit Project (3 Tanks) Phase 1**  
**FEMA-4344-DR-CA, Project #PJ0040**  
**Anticipated Deliverable Schedule**  
**Updated 11/13/2020**

<b>Deliverable</b>	<b>Planned Schedule</b>	<b>Notes</b>
Kick-off Meeting:	October 15, 2020	All prime and subconsultant contracting completed
Site Recon and Shell Thickness Measurements:	October 26, 2020.	Work Complete. Results provided to structural engineers
Geotechnical field Investigation:	Week of November 30th	Drillers are backed up and not available until the end of November. They will schedule earlier if they have an opening.
Draft Basis of Design Technical Memorandum:	Preliminary results by week of November 23rd	Report findings to be updated as needed based on the results of geotechnical field work.
Draft Geotechnical Report:	By January 1, 2021	
Final Geotechnical Report:	By January 31, 2021	
Draft 60% Design Submittal:	January 29, 2021	If time extension is granted, this delivery date may be extended depending on implications of findings from the geotechnical work.
Final 60% Design Submittal:	March 10, 2021	
Environmental Studies and Reports	July 31, 2021	Need time extension for environmental studies due to typical candidate plant blooming timeframe.

**Nathan Stevens**

---

**From:** noreply@salesforce.com on behalf of No Reply - HMA <hma\_noreply@caloes.ca.gov>  
**Sent:** Monday, November 30, 2020 2:21 PM  
**To:** Nathan Stevens  
**Subject:** Status of your NOI Request *TRF*

Hi Nathan Stevens,

The California Governor's Office of Emergency Services (Cal OES) has received the Hazard Mitigation Grant Program (HMGP) Notice of Interest (NOI) submitted by your agency.

Project Number: PA-00000389

Subapplicant Name: Nathan Stevens

Activity Title: Humboldt Bay Municipal Water District – Turbidity Reduction Facility Generator Project

Federal Share Request: \$1,829,175.00

Required Applicant Match: \$609,725.00

Your NOI was reviewed by Cal OES staff and determined to represent an eligible HMGP activity.

This email is the formal invitation for your organization to submit a full subapplication for consideration of HMGP funding.

Please refer to the [HMGP webpage](#) for the following:

- Subapplication due date
- HMGP project and planning subapplication forms
- Subapplication Development and Benefit Cost Analyst (BCA) training resources

Subapplications received after the posted due date may not be considered for the current funding opportunity. Subapplications received after the posted due date will be considered for future funding opportunities.

Please direct any questions to [HMA@caloes.ca.gov](mailto:HMA@caloes.ca.gov).

Thank you for your interest in the Hazard Mitigation Assistance program.



GAVIN NEWSOM  
GOVERNOR



MARK S. GHILARDUCCI  
DIRECTOR

November 17, 2020

**H.B.M.W.D. NOV 23 2020**

**COPY**

Mr. Robert Fenton, Jr., Regional Administrator  
Federal Emergency Management Agency, Region IX  
U.S. Department of Homeland Security  
1111 Broadway, Suite 1200  
Oakland, California 94607-4052

Subject: Response to Request for Information (RFI) – 1<sup>st</sup> Appeal for  
Project 107110  
FEMA-4434-DR-CA, Late February 2019 Storms, Flooding, Landslide  
and Mudslides  
Cal OES ID: 023-91000 FEMA ID: 023-04A9F-00  
Subrecipient: Humboldt Bay Municipal Water District  
Cal OES Log: 699826.2 FEMA Log: None

Dear Mr. Fenton:

On November 2, 2020, the California Governor's Office of Emergency Services (Cal OES) received the enclosed email of the same date, from the Federal Emergency Management Agency (FEMA) (Enclosure 1). The email was a request for information (RFI) regarding missing enclosures for a First Appeal previously sent to FEMA via email on June 9, 2020, under Cal OES Log No. 699826.1 for Humboldt Bay Municipal Water District (Subrecipient).

FEMA's RFI asked for the following enclosures:

1. Document 5, Historical Photos (1972)
2. Document 6, Engineering Specifications dated March 17, 1966
3. Document 7, E-mail from Subrecipient (June 2, 2020)

To ensure FEMA has the complete record, Cal OES is including all of the enclosures from the first appeal which includes the three requested above.

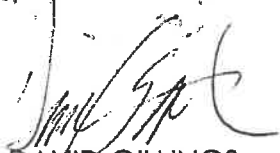


3650 SCHRIEVER AVENUE • MATHER, CA 95655  
RECOVERY SECTION • PUBLIC ASSISTANCE  
PHONE: (916) 845-8200 • FAX: (916) 845-8387  
[www.CalOES.ca.gov](http://www.CalOES.ca.gov)

Mr. Robert Fenton  
Page 2

If you require additional information related to this correspondence,  
please contact Mr. Carney Briggs, Program Manager, at (916) 767-1771 or  
Ms. Marcia Burchiel, Disaster Assistance Program Specialist, at (530) 526-1178.

Sincerely,



DAVID GILLINGS  
State Public Assistance Officer

- Enclosures:
1. FEMA's email dated November 2, 2020
  2. 1<sup>st</sup> Appeal Enclosure 1 – 1<sup>st</sup> Appeal Letter
  3. 1<sup>st</sup> Appeal Enclosure 2 - Exhibit A – FEMA Notices
  4. 1<sup>st</sup> Appeal Enclosure 3 - Exhibit B – Project Photos
  5. 1<sup>st</sup> Appeal Enclosure 4 - Google Earth Screen Shots
  6. 1<sup>st</sup> Appeal Enclosure 5 - Various Photos
  7. 1<sup>st</sup> Appeal Enclosure 6 - Collector Number 4 Photos
  8. 1<sup>st</sup> Appeal Enclosure 7 - Historical Photos, 1972
  9. 1<sup>st</sup> Appeal Enclosure 8 - Engineering Specification Drawings, dated March 17, 1966
  10. 1<sup>st</sup> Appeal Enclosure 9 - E-mail from Subrecipient, dated June 2, 2020
  11. 1<sup>st</sup> Appeal Enclosure 10 - Exhibit C – Expenses/Invoices
  12. 1<sup>st</sup> Appeal Enclosure 11 - Exhibit D – Grants Portal
  13. 1<sup>st</sup> Appeal Enclosure 12 - Exhibit E – Disaster Recovery Phase I and II
  14. 1<sup>st</sup> Appeal Enclosure 13 - PW 53 - Emergency Work

cc: Jason Holcomb, Appeals Analyst Contractor, Recovery / FEMA Region IX  
John Friedenbach, General Manager, Humboldt Bay Municipal Water District

dmi



## 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

December 3, 2020

## LOCAL MATCH FUND COMMITMENT LETTER

California Governor's Office of Emergency Services

3650 Schriever Avenue

Mather, CA 95655

**RE: HBMWD R.W. Matthews Dam Spillway Retrofit Scoping Project Subapplication Local Match Commitment Letter (BRIC)**

Dear State Hazard Mitigation Officer:

As part of the Building Resilient Infrastructure and Communities (BRIC) process, a local funding match of at least 25% is required. This letter serves as Humboldt Bay Municipal Water District's (HBMWD) commitment to meet the local match fund requirements for the BRIC Program.

HBMWD will commit up to \$374,318 in local matching funds for the project, which exceeds the 25% match requirement.

**SOURCE OF NON-FEDERAL FUNDS:** Local Agency Funding.

**NAME OF FUNDING SOURCE:** Humboldt Bay Municipal Water District municipal customer rate payers.

**FUNDS AVAILABILITY DATE:** November 12, 2020.

**FEDERAL SHARE AMOUNT REQUESTED:** \$1,065,367.

**LOCAL MATCH COMMITMENT:** \$374,318.

**FUNDING TYPE:** Cash from water rates.

The District acknowledges that if additional federal funds are requested, an additional local match fund commitment letter will be required.

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

Respectfully,

John Friedenbach  
General Manager

# FINANCIALS

**HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
STATEMENT OF FUND BALANCES - PAGE 1 OF 2**

SECTION 11.20 PAGE NO. 1



**BANK ACCOUNT BALANCES AT MONTH-END**

November 30, 2020

November 30, 2019

**GENERAL ACCOUNTS**

1. US Bank - General Account	1,845,560.47	1,893,032.51
2. US Bank - Xpress BillPay/Electronic Payments Account	7,323.08	1,144.74
<i>Subtotal</i>	1,852,883.55	1,894,177.25

**INVESTMENT & INTEREST BEARING ACCOUNTS**

3. US Bank - DWR/SRF Money Markey Acct	303,337.90	302,771.37
4. US Bank - DWR/SRF Reserve CD Account	547,336.94	547,336.94
5. US Bank - PARS Investment Account	847,861.49	761,295.19
6. L. A. I. F Account - General Account	1,687.78	1,687.78
7. L. A. I. F Account - MSRA Reserve Account	440,635.83	-
8. CalTRUST - Restricted Inv. Account (Medium Term)	1,320,606.21	-
9. CalTRUST - Unrestricted Inv. Account (Medium Term)	430,073.15	-
10. CalTRUST - DWFP Reserve Account (FedFund)	240,651.19	-
11. CalTRUST - ReMat Account (LEAF Fund)	653,820.71	-
12. CalTRUST - General Reserve Account (Short-Term)	2,380,894.46	-
13. Humboldt County - SRF Loan Payment Account	142,696.05	141,634.22
14. Humboldt County - 1% Tax Account	1,166.69	-
15. Principle Investment Account	26,587.86	29,423.40
<i>Subtotal</i>	7,337,356.26	1,784,148.90

**OTHER ACCOUNTS**

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	1,708,452.75
19. Humboldt County - DWFP Reserve Account (clsd)	445.57	238,086.51
20. Humboldt County - MSRA Reserve Account (clsd)	22.78	435,757.74
21. Humboldt County - ReMat Account (clsd)	687.83	503,004.39
<i>Subtotal</i>	36,174.71	2,912,951.39

<b>TOTAL CASH</b>	<b>9,226,414.52</b>	<b>6,591,277.54</b>
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**HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
STATEMENT OF FUND BALANCES - PAGE 2 OF 2**

SECTION 11-22 PAGE NO. 2



**FUND BALANCES AT MONTH-END**

November 30, 2020

November 30, 2019

**RESTRICTED FUNDS - ENCUMBERED**

1. Prior-Year Price Factor 2 Rebate	(15,301.49)	(38,045.81)
2. Prior-Year Restricted AP Encumbrances	(156,304.00)	(59,076.00)
3. Advanced Charges - 12Kv Relocation	-	(367,594.00)
4. Advanced Charges - 18,000lb Excavator	(222,800.00)	(54,343.00)
5. Advanced Charges - 3x Tank Seismic Retrofit	(239,726.00)	(30,000.00)
6. Advanced Charges - Cathodic Protection Project	(41,665.00)	-
7. Advanced Charges - Collector 2 Rehabilitation	(665,857.00)	(385,000.00)
8. Advanced Charges - On-Site Generation of Chlorine	(449,528.00)	-
9. Advanced Charges - Redundant Pipeline	(120,835.00)	-
10. Advanced Charges - TRF Emergency Generator	(285,415.00)	(225,000.00)
11. Advanced Charges - Chlorine Scrubber	-	(350,000.00)
<i>Subtotal</i>	(2,197,431.49)	(1,509,058.81)

**RESTRICTED FUNDS - OTHER**

12. 1% Tax Credit to Muni's	-	(29,072.96)
13. DWR Reserve for SRF Payment	(303,337.90)	(302,993.20)
14. DWR Reserve for SRF Loan	(547,336.94)	(547,336.94)
15. Pension Trust Reserves	(847,861.49)	(761,295.19)
16. ReMat Deposit	(27,000.00)	(27,000.00)
17. HB Retail Capital Replacement Reserves	(70,314.34)	-
<i>Subtotal</i>	(1,795,850.67)	(1,667,698.29)

**UNRESTRICTED FUNDS**

**BOARD RESTRICTED**

18. MSRA Reserves	(442,323.61)	(435,757.74)
19. DWFP Reserves	(240,651.19)	(238,086.51)
20. ReMat Reserves	(653,820.71)	(503,004.39)
21. Paik-Nicely Development	(4,158.00)	(4,158.00)
22. Principle Investment Reserves	(26,587.86)	(29,423.40)
<i>Subtotal</i>	(1,367,541.37)	(1,210,430.04)

**UNRESTRICTED RESERVES**

23. Accumulation for SRF Payment	(181,907.89)	(50,441.36)
24. Accumulation for Ranney/Techite Payment	22,177.07	76.70
25. General Fund Reserves	(3,705,860.17)	(2,159,358.18)
<i>Subtotal</i>	(3,865,590.99)	(2,204,090.40)
<b>TOTAL NET POSITION</b>	<b>(9,226,414.52)</b>	<b>(6,591,277.54)</b>

HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
 REVENUE REPORT  
 November 30, 2020

SECTION 11.28 PAGE NO. 3

42%  
 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>	27,013	134,490	191,861	318,394	42%
<b>General Revenue</b>					
Interest	0	0	570	30,000	0%
FCSD Contract (Maint. & Operations)	10,421	105,156	110,770	225,000	47%
Power Sales (Net ReMat)	2,492	42,981	29,391	220,000	20%
Tax Receipts (1% Taxes)	0	0	0	825,000	0%
<b>2. Miscellaneous Revenue*</b>	337	42,270	12,668	50,000	85%
<i>*Detail on following page</i>					
<b>TOTAL PF2 REVENUE CREDITS</b>	<b>40,264</b>	<b>324,897</b>	<b>345,261</b>	<b>1,668,394</b>	<b>19%</b>

**B. DISTRICT REVENUE**

	MTD RECEIPTS	YTD RECEIPTS	PRIOR YEAR	BUDGET	% OF BUDGET
<b>3. Industrial Water Revenue</b>					
Harbor District	93	293	169	0	0
<i>Subtotal Industrial Water Revenue</i>	<i>93</i>	<i>293</i>	<i>169</i>	<i>0</i>	<i>0</i>
<b>4. Municipal Water Revenue</b>					
City of Arcata	106,371	527,412	569,260	1,147,108	46%
City of Blue Lake	14,799	73,977	80,023	161,539	46%
City of Eureka	249,555	1,247,318	1,345,090	2,753,934	45%
Fieldbrook CSD	14,247	69,107	72,784	149,132	46%
Humboldt CSD	82,598	406,614	434,294	886,893	46%
Manila CSD	12,522	29,722	31,269	62,563	48%
McKinleyville CSD	87,055	430,359	455,137	916,164	47%
<i>Subtotal Municipal Water Revenue</i>	<i>567,148</i>	<i>2,784,508</i>	<i>2,987,858</i>	<i>6,077,332</i>	<i>46%</i>
<b>TOTAL INDUSTRIAL &amp; WHOLESALE REVENUE</b>	<b>567,242</b>	<b>2,784,801</b>	<b>2,988,027</b>	<b>6,077,332</b>	<b>46%</b>
<b>5. Power Sales</b>					
Power Sales (ReMat Revenue)	5,674	89,764	58,077	300,000	30%
Interest (ReMat Revenue)	0	5,620	0	0	
<b>TOTAL REMAT REVENUE</b>	<b>5,674</b>	<b>95,384</b>	<b>58,077</b>	<b>300,000</b>	<b>32%</b>
<b>6. Other Revenue and Grant Reimbursement</b>					
HB Retail Capital Replacement Rev.	3,646	17,451	15,309		
FCSD Contract (Admin & Overhead)	7,024	41,361	26,786		
FEMA/CalOES Grant Revenue	0	153,599	0		
SWRCB In-Stream Flow Grant Revenue	0	44,742	0		
Quagga Grant (Pass-Through)	0	0	0		
Interest - Muni PF2 Retained	3	24,230	272		
Net Increase/(Decrease) Investment Accounts	26	40,059	12,630		
<b>TOTAL OTHER/GRANT REVENUE</b>	<b>10,700</b>	<b>321,443</b>	<b>54,998</b>		
<b>GRAND TOTAL ALL REVENUE</b>	<b>623,879</b>	<b>3,526,525</b>	<b>3,446,363</b>	<b>8,045,726</b>	<b>44%</b>

HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
 MISCELLANEOUS REVENUE - DETAIL REPORT

SECTION 112a PAGE NO. 4

November 30, 2020

**B. MISCELLANEOUS RECEIPTS (RETURNED TO CUSTOMERS VIA PF2)**

	MTD RECEIPTS	YTD RECEIPTS
<b>Miscellaneous Revenue</b>		
ACWA/JPIA HR LaBounty Safety Award	-	250
ACWA/JPIA Wellness Grant	-	952
Dividend - Principal Life	-	598
Fees - Park Use	-	400
Rebate - CALCard	-	92
Rebate - WISE Incentive	-	12,809
Refund - Diesel Fuel Tax	-	40
Refunds - Miscellaneous	101	231
Reimb. - Copies & Postage	23	53
Reimb. - Gas	-	-
Reimb. - Telephone	-	-
Reimb. - Emp. Vol. Life & AD&D	-	118
Rent - Parking Lot	-	-
Rent & Deposit - Vivid Green	-	2,000
Retirees' Health Ins./COBRA Reimb.	118	20,738
Sale - Surplus Equipment	-	2,575
UB - Bad Debt Recovery	-	161.4
UB - Water Processing Fees	-	210
UB - Hydrant Rental Deposit/Use	96	444
<b>Ruth Area</b>		
Lease - Don Bridge	-	-
Rent - Ruth Cabin	-	600
<b>TOTAL MISCELLANEOUS REVENUE</b>	<b>337</b>	<b>42,270</b>



HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
 ALL - MONTHLY EXPENDITURE REPORT - PAGE 1 OF 3  
 November 30, 2020

SECTION 11.2<sup>0</sup> PAGE NO. 5

42% Of Budget Year

**SALARY AND EMPLOYEE BENEFIT EXPENDITURES (S. E. B.)**

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
<i>Compensation</i>					
1. Wages - Regular	168,574.70	814,515.95	732,810.13	2,241,878	
2. Wages - Sick	4,085.82	19,388.72	22,267.71		
3. Wages - Vacation	9,390.15	72,500.55	69,090.29		
<i>Subtotal</i>	182,050.67	906,405.22	824,168.13	2,241,878	40%
4. Wages - Overtime	1,767.08	14,738.50	12,129.05	15,000	
5. Wages - Holiday (Worked)	1,092.24	2,554.33	3,363.92	15,000	
<i>Subtotal</i>	2,859.32	17,292.83	15,492.97	30,000	58%
6. Wages - Part-Time	1,981.77	17,317.65	15,223.81	78,551	22%
7. Wages - Shift Differential	1,031.92	4,369.92	4,071.99	11,000	40%
8. Wages - Standby	8,347.55	32,668.28	36,766.33	81,000	40%
9. Director Compensation	1,840.00	9,120.00	9,120.00	26,000	35%
10. Secretarial Fees	262.50	1,312.50	1,312.50	3,200	41%
11. Payroll Tax Expenses	14,682.30	75,069.38	67,928.15	192,173	39%
<i>Subtotal</i>	28,146.04	139,857.73	134,422.78	391,924	36%
<i>Employee Benefits</i>					
12. Health, Life, & LTD Ins.	53,365.54	272,478.68	218,820.80	704,507	39%
13. Air Medical Insurance	130.00	1,755.00	1,885.00	2,145	82%
14. Retiree Medical Insurance	12,274.36	62,468.88	57,026.50	103,530	60%
15. Employee Dental Insurance	2,665.56	13,567.58	11,272.44	39,399	34%
16. Employee Vision Insurance	593.92	2,997.19	2,969.60	7,350	41%
17. Employee EAP	82.51	416.40	310.20	1,116	37%
18. 457b District Contribution	2,400.00	12,550.00	13,000.00	30,600	41%
19. CalPERS Expenses	25,834.65	335,617.45	303,100.45	547,851	61%
20. Workers Comp Insurance	-	42,526.70	43,217.02	100,961	42%
<i>Subtotal</i>	97,346.54	744,377.88	651,602.01	1,537,459	48%
<b>TOTAL S.E.B</b>	<b>310,402.57</b>	<b>1,807,933.66</b>	<b>1,625,685.89</b>	<b>4,201,261</b>	<b>43%</b>

HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
MONTHLY EXPENDITURE REPORT - PAGE 2 OF 3

SECTION 1-29 PAGE NO. 6

November 30, 2020

42% 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	3,859.11	15,094.46	19,093.09	39,700	38%
2. Engineering	1,079.01	10,962.39	11,641.75	75,000	15%
3. Lab Expenses	4,772.00	7,657.00	3,034.68	13,000	59%
4. Maintenance & Repairs					
General	893.26	5,324.34	25,323.85	48,000	11%
TRF	609.25	2,254.05	5,733.13	20,000	11%
Subtotal	1,502.51	7,578.39	31,056.98	68,000	11%
5. Materials & Supplies					
General	3,770.96	22,795.81	16,246.80	38,000	60%
TRF	-	3,796.25	9,675.03	35,000	11%
Subtotal	3,770.96	26,592.06	25,921.83	73,000	36%
6. Radio Maintenance	535.00	2,675.00	2,601.60	8,500	31%
7. Ruth Lake License	-	1,500.00	1,500.00	1,500	100%
8. Safety Equip./Training					
General	1,921.91	8,685.75	8,276.13	22,000	39%
TRF	-	626.00	598.84	2,000	31%
Subtotal	1,921.91	9,311.75	8,874.97	24,000	39%
9. Tools & Equipment	26.04	1,873.23	2,272.49	5,000	37%
10. USGS Meter Station	-	-	-	8,500	0%
Operations Subtotal	17,466.54	83,244.28	105,997.39	316,200	26%

**General & Administration**

11. Accounting Services	-	1,800.00	950.00	18,000	10%
12. Bad Debt Expense	-	-	-	-	0
13. Dues & Subscriptions	545.00	22,559.50	27,324.78	28,100	80%
14. General Manager Training	-	-	2,315.18	3,000	0%
15. IT & Software Maintenance	5,091.21	12,236.79	10,038.23	31,000	39%
16. Insurance	-	86,792.90	77,863.95	111,000	78%
17. Internet	831.98	4,114.19	3,240.56	10,000	41%
18. Legal Services	3,955.50	18,338.00	30,152.75	35,000	52%
19. Miscellaneous	676.90	2,321.14	9,231.99	11,500	20%
20. Office Building Maint.	851.61	5,840.41	5,190.29	16,000	37%
21. Office Expense	3,167.39	21,495.82	26,805.10	40,500	53%
22. Professional Services	-	184.47	5,630.40	20,000	1%
23. Property Tax	945.00	945.00	-	1,000	95%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
 MONTHLY EXPENDITURE REPORT - PAGE 3 OF 3  
 November 30, 2020

42% Of Budget Year

**SERVICE & SUPPLY EXPENDITURES (con't)**

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
24. Regulatory Agency Fees	55,218.77	61,032.89	57,369.59	141,000	43%
25. Ruth Lake Programs	-	-	-	5,000	0%
26. Safety Apparel	-	(52.00)	3,262.79	3,000	-2%
27. Technical Training	249.00	524.00	5,316.56	14,500	4%
28. Telephone	1,853.06	18,842.30	20,529.32	49,000	38%
29. Travel & Conference	(344.00)	(344.00)	7,255.81	25,000	-1%
<i>Gen. &amp; Admin. Subtotal</i>	<i>73,041.42</i>	<i>256,631.41</i>	<i>292,477.30</i>	<i>562,600</i>	<i>46%</i>
<b>Power</b>					
30. Essex - PG & E	60,525.89	311,895.56	308,501.35		
31. 2Mw Generator Fuel	-	3,358.48	18,829.33		
<i>Subtotal Essex Pumping</i>	<i>60,525.89</i>	<i>315,254.04</i>	<i>327,330.68</i>		
32. All other PG & E	7,701.32	31,436.29	24,073.07		
<i>Subtotal All Power</i>	<i>68,227.21</i>	<i>346,690.33</i>	<i>351,403.75</i>	<i>764,500</i>	<i>45%</i>
<b>Total Service and Supplies incl. Power</b>	<b>158,735.17</b>	<b>686,566.02</b>	<b>749,878.44</b>	<b>1,643,300</b>	<b>42%</b>

**PROJECTS, FIXED ASSETS & CONSULTING SERVICES**

	Month-to-Date	Year-to-Date	Budget	% of Budget
	121,226.00	650,108.00	11,116,238	6%

<b>GRAND TOTAL EXPENSES</b>	<b>590,363.74</b>	<b>3,144,607.68</b>	<b>2,375,564.33</b>	<b>16,960,799</b>	<b>19%</b>
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33. Debt Service - SRF Loan	-	-	-	547,337	0%
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34. Debt Service - US Bank	-	81,094.05	81,094.05	162,200	50%
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**TOTAL EXPENSES WITH DEBT SERVICE**

	<b>595,655.72</b>	<b>3,236,389.19</b>	<b>2,456,658.38</b>	<b>17,670,336</b>	
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**OTHER EXPENSES**

35. ReMat Consultant Exp.	5,291.98	10,687.46	8,604.20		
36. Capital Replacement Exp.	157.88	157.88	-		

# HUMBOLDT BAY MUNICIPAL WATER DISTRICT PROJECT PROGRESS REPORT

November 30, 2020

SECTION 11-2 PAGE NO. 8

42% Of Budget Year

## A. CAPITAL PROJECTS

	MTD	YTD		% OF
ACTIVE GRANT FUNDED CAPITAL PROJECTS	EXPENSES	TOTAL	BUDGET	BUDGET
1 Grant - 12kV Switchgear Relocation <i>(\$3M - FEMA Grant)</i>	125,253	343,674	2,517,062	14%
2 Grant - Collector 2 Rehabilitation <i>(\$1.6M - NCRP Prop1 Grant)</i>	42,232	51,665	1,600,000	3%
3 Grant - 3x Tank Seismic Retro <i>(\$3.5M - FEMA Grant, Phase 1 Approved)</i>	18,609	32,213	329,000	10%
<b>NON-GRANT FUNDED CAPITAL PROJECTS</b>				
4 Fiber Optic Link - Collector 2 (Phase 1)	0	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	1,002	6,116	37,250	16%
9 Transformer at Hydro Plant	0	0	160,000	0%
10 Interruptor Switchgear Panel	0	0	28,000	0%
11 Headquarters Remodel	2	2	120,000	0%
12 Headquarters Fire System & Pump House	0	0	4,500	0%
13 Headquarters & Bunkhouse Generator	0	309	15,000	2%
14 Curbing on Mad River Road	0	200	5,800	3%
<b>TOTAL CAPITAL PROJECTS</b>	<b>187,098</b>	<b>437,150</b>	<b>5,775,362</b>	<b>8%</b>

## B. EQUIPMENT AND FIXED ASSET PROJECTS

	MTD	YTD		% OF
	EXPENSES	TOTAL	BUDGET	BUDGET
15 FY21 Replace Admin Computers (Ops)	0	0	2,500	0%
16 Ruth Vehicle (Unit 6)	32,111	32,111	62,500	51%
17 High Pressure Washer	0	0	11,250	0%
18 Portable Sandblasting Unit	0	4,195	4,750	88%
19 Wheels/Tires on Ziemann Trailer	0	2,868	3,250	88%
20 Ergonomic Desks for AOS, WOS, Electrical Shop	215	3,650	4,750	77%
21 2 New Laptop Computers	0	2,924	3,000	97%
22 Tractor Mower	0	0	8,500	0%
23 Tools & Equipment Storage for Shop	0	0	2,750	0%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
PROJECT PROGRESS REPORT - PAGE 2 OF 5

November 30, 2020

**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	11,651	11,000	106%
26 Hazardous Spill Containment Equipment	2,452	2,452	2,500	98%
27 Tractor	0	0	70,750	0%
28 Tilt-Deck Equipment Trailer	11,063	11,063	12,750	87%
29 Hydraulic Bolt Torque Machine	0	0	12,000	0%
30 Sieve Shaker	0	1,828	2,500	73%
<i>(Treatment Facility Project)</i>				
31 Replace Admin Computers (Office)	0	4,021	5,500	73%
32 Ergonomic Desk for Customer Service Desk	0	1,254	3,000	42%
33 Front Office Doors	0	0	6,000	0%
34 Base Radio Units for HQ & Relief Operator	0	3,161	3,750	84%
35 Howell Bunger Valve Cylinders	577	577	8,750	7%
36 Ruth Property Maintenance Equipment	0	109	4,000	3%
37 Ruth HQ Shop Lighting Upgrade/Equipment	0	0	6,250	0%
38 Log Boom Inspection Equipment	0	1,694	2,500	68%
<b>TOTAL EQUIPMENT &amp; FIXED ASSET PROJECTS</b>	<b>46,418</b>	<b>83,559</b>	<b>258,250</b>	<b>32%</b>

**C. MAINTENANCE PROJECTS**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
39 FY21 Pipeline Maintenance	0	4,331	12,750	34%
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	7,553	17,250	44%
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	966	5,820	50,000	12%
48 FY21 Fleet Paint Repairs	0	0	5,000	0%
49 Surge Tank Refurbishments	0	1,187	3,000	40%
50 Microsoft Office Package Upgrade	0	6,885	8,250	83%
51 FY21 Pipeline Repair Parts	0	0	12,250	0%
52 Collector Lube Oil Reservoir Replacement	546	13,167	16,000	82%
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	1,337	6,400	21%
56 FY21 TRF Limitorque Valve Retrofit Supplies	0	0	14,500	0%
<i>(Treatment Facility Project)</i>				

HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
PROJECT PROGRESS REPORT - PAGE 3 OF 5  
November 30, 2020

42% Of Budget Year

**C. MAINTENANCE PROJECTS (con't)**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
57 FY21 Chemical Pump Spare Parts Inventory <i>(Treatment Facility Project)</i>	0	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>	0	3,141	8,250	38%
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 Bunger Valve Inspection	0	0	1,110	0%
64 Ruth LTO Insurance	0	0	5,000	0%
65 Log Boom Inspection	260	260	1,000	26%
66 FY21 Abandoned Vehicle Abatement - Ruth	0	0	4,000	0%
67 Log Boom Hardware Replacement	56	4,183	7,000	60%
<b>TOTAL MAINTENANCE PROJECTS</b>	<b>1,828</b>	<b>48,907</b>	<b>253,260</b>	<b>19%</b>

**D. PROFESSIONAL & CONSULTING SERVICES**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
68 FY21 Crane Testing/Certification	8,248	8,248	10,000	82%
69 FY21 Chlorine System Maintenance	0	277	16,750	2%
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	553	7,362	10,000	74%
73 FY21 Technical Training	0	460	23,250	2%
74 FY21 O & M Training	0	0	20,000	0%
75 FY21 Essex Server Backup System (Monthly Fees)	0	8,580	8,750	98%
76 FY21 Public Education Funds	0	0	5,000	0%
77 Water Plan	280	513	30,000	2%
78 FY21 Electrical Technical Training	0	0	13,250	0%
79 FY21 Annual Section 115 Pension Trust Contribution	0	50,000	50,000	100%
80 FY21 Grant Application Assistance	0	3,666	20,000	18%
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	130	130	13,500	1%
85 FERC Part 12 - Geologist Inspection	0	0	6,800	0%
86 FERC Part 12 - Ind. Consultant Insp. (FY22)	4,915	4,921	20,000	25%

**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	740	3,113	12,000	26%
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>14,865</b>	<b>87,269</b>	<b>493,750</b>	<b>18%</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 CURRENTLY CHARGED TO MUNICIPAL CUSTOMERS**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
93 18,000 Lb. Excavator <i>(Advanced Charges)</i>	0	0	222,800	0%
94 HB Retail Radio-Read Meter Project <i>(HB Retail Capital Replacement Funds)</i>	0	0	7,500	0%
95 Streambed Flow Enhancement Grant <i>(DWR Grant)</i>	5,803	14,208	467,969	3%
96 Refurbish PS-6 (Phase 1) <i>(EDA Grant &amp; Reserves)</i>	0	2,217	3,500,000	0%
97 I/W Reservoir Fencing Repairs/Replacement <i>(Reserves)</i>	0	784	11,250	7%
98 I/W System Evaluation Memo <i>(Reserves)</i>	0	0	26,000	0%
99 PS6 Gravel Bar Work <i>(Reserves)</i>	0	0	76,100	0%
100 Industrial System Assistance <i>(Reserves)</i>	0	0	10,000	0%
101 Industrial/Domestic System Intertie <i>(Reserves)</i>	0	0	11,000	0%
<sup>101</sup> <sub>A</sub> Fire Disaster Recovery 2020 <i>(Reserves)</i>	15,004	23,365	0	0%
<b>TOTAL NOT CHARGED TO CUSTOMERS</b>	<b>20,807</b>	<b>40,573</b>	<b>4,332,619</b>	<b>1%</b>

**H. 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	20,833	50,000	42%
103 Grant - Collector 2 Rehabilitation <i>(\$1.2M - NCRP Prop1 Grant)</i>	16,667	83,333	200,000	42%
104 Grant - 3x Tank Seismic Retro <i>(\$3.5M - FEMA Grant, Phase 1 Approved)</i>	16,667	83,333	200,000	42%
105 Grant - TRF Generator <i>(\$1.9M - PENDING FEMA Grant)</i>	2,083	10,417	25,000	42%
106 Cathodic Protection Project <i>(\$405k, FY22)</i>	8,333	41,667	100,000	42%
107 On-Site Generation of Chlorine <i>(\$850k, FY21-22)</i>	6,667	33,333	80,000	42%
108 Ranney Collector 3/Techite Debit Service Funds	14,745	73,727	162,200	45%
<b>TOTAL ADVANCED CHARGES COLLECTED - FY21</b>	<b>69,329</b>	<b>346,644</b>	<b>817,200</b>	<b>42%</b>

**PROJECT PROGRESS REPORT SUMMARY OF ALL ACTIVITY**

CUSTOMER CHARGES	MTD	YTD	BUDGET	% BUDGET
TOTAL NON-GRANT FUNDED CAPITAL PROJECTS*	1,004	9,598	479,300	2%
TOTAL EQUIPMENT & FIXED ASSET PROJECTS	46,418	83,559	258,250	32%
TOTAL MAINTENANCE PROJECTS	1,828	48,907	253,260	19%
TOTAL PROF/CONSULTING SERVICES	14,865	87,269	493,750	18%
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	346,644	817,200	42%
<b>TOTAL CUSTOMER CHARGES</b>	<b>\$133,444</b>	<b>\$575,977</b>	<b>\$2,322,510</b>	<b>25%</b>

\*EXCLUDES ON-SITE GENERATION OF CHLORINE

NON-CUSTOMER CHARGES (CURRENT FY)	MTD	YTD	BUDGET	% BUDGET
TOTAL GRANT FUNDED CAPITAL PROJECTS	186,094	427,552	4,446,062	10%
TOTAL NON-CUSTOMER CHARGES	20,807	40,573	4,332,619	1%
TOTAL USE OF ENCUMBERED FUNDS	70	59,510	229,305	26%
<b>TOTAL NON-CUSTOMER CHARGES</b>	<b>\$206,971</b>	<b>\$527,636</b>	<b>\$9,007,986</b>	<b>6%</b>
<b>GRAND TOTAL PROJECT BUDGET ACTIVITY</b>	<b>\$340,415</b>	<b>\$1,103,613</b>	<b>\$11,330,496</b>	<b>10%</b>



HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
 ENCUMBERED FUNDS RECONCILIATION REPORT  
 November 30, 2020

	MTD EXPENSES	YTD TOTAL	AMOUNT ENCUMBERED	REMAINING
<b>A. CAPITAL PROJECTS</b>				
1 TRF Line Shed 5	0	8,503	14,950	6,447
<b>B. EQUIPMENT &amp; FIXED ASSET PROJECTS</b>				
2 Chlorine System Maintenance	0	393	3,050	2,657
3 Col. 2 Underground 12Kv Power/Fiber Optic	0	900	21,460	20,560
4 Eureka Office Carpeting	9	9	14,500	14,491
5 Eureka Office ADA Upgrades	0	3,275	3,275	0
6 Fleet Maintenance Equipment	0	0	300	300
7 Meter Reader Handheld Unit	0	3,100	4,500	1,400
8 Replacement of UPS's (Phase 2)	0	27,434	27,950	516
<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	45	385	800	415
11 Ruth HQ Dock Decking	16	1,219	2,200	981
12 Ruth Slide Gate Hydraulic Oil	0	746	1,950	1,204
<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	0	10,531	87,000	76,469
15 FY20 Abandoned Vehicle Abatement - Ruth	0	0	10,000	10,000
<b>E. FY20 SERVICE &amp; SUPPLY BUDGET</b>				
16 MAINTENANCE & REPAIRS	0	2465	2,465	0
17 MATERIALS & SUPPLIES	0	50	50	0
18 SAFETY EQUIP & TRAINING	0	500	550	50
19 ACCOUNTING	0	0	1,305	1,305
<b>ENCUMBERED FUNDS TOTAL</b>	<b>70</b>	<b>59,510</b>	<b>229,305</b>	<b>169,795</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	11/02/2020	Ruth Data Link/Internet	160.00
Total 101 NETLINK:			160.00
<b>AC3</b>			
AC3	11/18/2020	District Crane Certifications	7,750.00
Total AC3:			7,750.00
<b>Acme Rigging &amp; Supply Company</b>			
Acme Rigging & Supply Company	11/13/2020	Crane rigging maintenance	497.70
Total Acme Rigging & Supply Company:			497.70
<b>ACWA/JPIA</b>			
ACWA/JPIA	11/20/2020	RETIREE MEDICAL	11,970.80
ACWA/JPIA	11/20/2020	COBRA Dental	229.32
ACWA/JPIA	11/20/2020	COBRA Vision	74.24
Total ACWA/JPIA:			12,274.36
<b>Advanced Security Systems</b>			
Advanced Security Systems	11/02/2020	Ruth Hydro Quarterly Alarm System Monitoring	76.50
Advanced Security Systems	11/30/2020	Check Ruth HQ Alarm System	71.25
Advanced Security Systems	11/30/2020	Check 'Ruth Hydro Alarm System	71.25
Total Advanced Security Systems:			219.00
<b>AirGas NCN</b>			
AirGas NCN	11/12/2020	safety Supplies	26.98
AirGas NCN	11/30/2020	safety equipment maintenance	12.65
AirGas NCN	11/12/2020	safety Supplies	32.42
AirGas NCN	11/12/2020	safety Supplies	46.44
AirGas NCN	11/30/2020	Eureka office ladder	200.87
AirGas NCN	11/30/2020	safety equipment maintenance	41.79
AirGas NCN	11/30/2020	safety equipment maintenance	42.83
Total AirGas NCN:			403.98
<b>Analytical Services, Inc</b>			
Analytical Services, Inc	11/04/2020	MPA analysis	2,382.00
Total Analytical Services, Inc:			2,382.00
<b>Arcata Fire Prot. District</b>			
Arcata Fire Prot. District	11/03/2020	Fire Assessment 2020/21	945.00
Total Arcata Fire Prot. District:			945.00
<b>AT &amp; T</b>			
AT & T	11/25/2020	SIMS Service	529.70
Total AT & T:			529.70
<b>AT&amp;T Advertising Solutions</b>			
AT&T Advertising Solutions	11/25/2020	white page listing	21.00

Humboldt Bay Municipal Water District

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Vendor Name	Date Paid	Description	Amount Paid
Total AT&T Advertising Solutions:			21.00
<b>AT&amp;T Long Distance</b>			
AT&T Long Distance	11/09/2020	Eureka Office Long Distance	58.71
AT&T Long Distance	11/30/2020	Valve Building-Samoa Long Distance	119.41
AT&T Long Distance	11/30/2020	Essex Control Long Distance	21.33
AT&T Long Distance	11/30/2020	Eureka Office Long Distance	7.12
AT&T Long Distance	11/30/2020	TRF Long Distance	86.82
AT&T Long Distance	11/30/2020	Ruth Hydro/Dataline Long Distance	137.72
Total AT&T Long Distance:			431.11
<b>BDI - M&amp;S Arcata</b>			
BDI - M&S Arcata	11/25/2020	Hazardous Spill Containment Equipment	2,451.66
Total BDI - M&S Arcata:			2,451.66
<b>California Dept of Tax and Fee Admin</b>			
California Dept of Tax and Fee Admin	11/25/2020	Water Rights Permit 11714	9,657.43
California Dept of Tax and Fee Admin	11/25/2020	Water Rights Permit 11715	4,621.80
California Dept of Tax and Fee Admin	11/25/2020	Water Rights Permit 18347	38,128.54
Total California Dept of Tax and Fee Admin:			52,407.77
<b>Citi Cards</b>			
Citi Cards	11/30/2020	Eureka office supplies	29.28
Citi Cards	11/30/2020	Essex Safety Supplies	16.26
Citi Cards	11/30/2020	Eureka office safety supplies	16.26
Total Citi Cards:			61.80
<b>City of Eureka</b>			
City of Eureka	11/05/2020	Eureka office water/sewer	92.90
Total City of Eureka:			92.90
<b>Coastal Business Systems Inc.</b>			
Coastal Business Systems Inc.	11/13/2020	Eureka office copy and fax machine	1,053.47
Total Coastal Business Systems Inc.:			1,053.47
<b>CRWA</b>			
CRWA	11/30/2020	Annual Membership dues 2021	545.00
Total CRWA:			545.00
<b>Dave Perkins</b>			
Dave Perkins	11/03/2020	auto mileage reimbursement	206.72
Total Dave Perkins:			206.72
<b>Downey Brand Attorneys LLP</b>			
Downey Brand Attorneys LLP	11/17/2020	Legal Fees October 2020	264.00
Downey Brand Attorneys LLP	11/17/2020	Streambed Flow Enhancement Grant	1,777.50

Humboldt Bay Municipal Water District

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Vendor Name	Date Paid	Description	Amount Paid
Total Downey Brand Attorneys LLP:			2,041.50
<b>Ellis Art &amp; Engineering Supplies</b>			
Ellis Art & Engineering Supplies	11/25/2020	<i>Ruth Area Fire Disaster Recovery</i>	32.39
Total Ellis Art & Engineering Supplies:			32.39
<b>Englund Marine Supply</b>			
Englund Marine Supply	11/25/2020	<i>Industrial Reservoir Fencing Repair</i>	25.08
Total Englund Marine Supply:			25.08
<b>Eureka Oxygen</b>			
Eureka Oxygen	11/12/2020	<i>SCBA bottle safety check</i>	148.50
Eureka Oxygen	11/12/2020	<i>cylinder rental</i>	119.08
Total Eureka Oxygen:			267.58
<b>Eureka Readymix</b>			
Eureka Readymix	11/25/2020	<i>Eureka Office Emergency Generator</i>	404.17
Total Eureka Readymix:			404.17
<b>Eureka-Humboldt Fire Ext.,Co, Inc</b>			
Eureka-Humboldt Fire Ext.,Co, Inc	11/25/2020	<i>Essex Fire extinguisher training</i>	125.00
Total Eureka-Humboldt Fire Ext.,Co, Inc:			125.00
<b>Fastenal Company</b>			
Fastenal Company	11/30/2020	<i>First Aid Cabinet -Eureka Office</i>	53.53
Fastenal Company	11/30/2020	<i>unit 5 repair</i>	7.60
Fastenal Company	11/30/2020	<i>Coast Guard Meter refurbishment</i>	157.88
Total Fastenal Company:			219.01
<b>FleetPride</b>			
FleetPride	11/04/2020	<i>Unit 10 maintenance</i>	96.22
Total FleetPride:			96.22
<b>Frontier Communications</b>			
Frontier Communications	11/25/2020	<i>Ruth HQ Phone</i>	54.95
Frontier Communications	11/25/2020	<i>Ruth Hydro/Ruth Dataline</i>	183.72
Total Frontier Communications:			238.67
<b>GEI Consultants, Inc</b>			
GEI Consultants, Inc	11/25/2020	<i>FERC DSSMR review and ODSP Review</i>	740.00
GEI Consultants, Inc	11/25/2020	<i>Consult related to Ruth Area Fire Recovery</i>	592.00
Total GEI Consultants, Inc:			1,332.00
<b>Genesis Computer Systems, Inc</b>			
Genesis Computer Systems, Inc	11/25/2020	<i>Essex Administrative Computer maintenance</i>	470.55

Humboldt Bay Municipal Water District

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Vendor Name	Date Paid	Description	Amount Paid
Total Genesis Computer Systems, Inc:			470.55
<b>GHD</b>			
GHD	11/25/2020	General Engineering - Essex	171.51
GHD	11/25/2020	General Engineering - FERC EAP Face to Face	161.50
GHD	11/25/2020	General Engineering - Eureka	559.50
GHD	11/25/2020	General Engineering - Ruth Spillway	186.50
GHD	11/25/2020	General Engineering - Urban Water Management Plan	279.75
GHD	11/25/2020	General Engineering -TRF Generator Grant	93.26
GHD	11/25/2020	General Engineering - FERC Independent Consultant	373.01
GHD	11/25/2020	General Engineering - Ruth Area Fire Disaster Recovery	139.88
GHD	11/25/2020	Collector 2 Rehabilitation project	42,232.02
GHD	11/25/2020	Ruth Spillway BRIC Application	8,354.28
GHD	11/25/2020	Reservoirs 3 Seismic Retrofit	18,609.14
GHD	11/25/2020	12KV Switchgear Relocation Project - Grant	4,602.50
GHD	11/25/2020	PSP Grant Applicaiton - Essex Generator Controller	1,558.50
GHD	11/25/2020	Mad River Cross Section Survey	552.63
Total GHD:			77,873.98
<b>H.T. Harvey &amp; Associates</b>			
H.T. Harvey & Associates	11/25/2020	Assistance with Streambed Flow Enhancement - Grant	3,059.25
Total H.T. Harvey & Associates:			3,059.25
<b>Harbor Freight Tools</b>			
Harbor Freight Tools	11/30/2020	Tarps to cover Ruth Hydro work platform	45.54
Total Harbor Freight Tools:			45.54
<b>Health Equity Inc</b>			
Health Equity Inc	11/20/2020	District HSA Contributions- 1 employee	338.04
Health Equity Inc	11/09/2020	HSA Admin Fee - 2 employees	5.90
Health Equity Inc	11/09/2020	HSA Admin Fee 8 employees	23.60
Total Health Equity Inc:			367.54
<b>Hensel Hardware</b>			
Hensel Hardware	11/30/2020	Eureka office carpet replacement	8.65
Hensel Hardware	11/30/2020	Ruth area Fire Disaster Recovery	39.95
Total Hensel Hardware:			48.60
<b>Hensell Materials</b>			
Hensell Materials	11/09/2020	Eureka office Emergency Generator	74.05
Hensell Materials	11/09/2020	Eureka office Emergency Generator	63.47
Hensell Materials	11/09/2020	Eureka office Emergency Generator	10.58
Total Hensell Materials:			148.10
<b>Henwood Associates, Inc</b>			
Henwood Associates, Inc	11/03/2020	Consultant Services Agreement- September2020	345.36
Total Henwood Associates, Inc:			345.36

Humboldt Bay Municipal Water District

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Vendor Name	Date Paid	Description	Amount Paid
Humboldt County Treasurer			
Humboldt County Treasurer	11/30/2020	Fund No 3876 Account 800870	45,611.43
Total Humboldt County Treasurer:			45,611.43
<b>Humboldt Fasteners</b>			
Humboldt Fasteners	11/30/2020	Industrial Water Reservoir Gate	20.38
Total Humboldt Fasteners:			20.38
<b>Humboldt Redwood Company, LLC</b>			
Humboldt Redwood Company, LLC	11/16/2020	Mt Pierce Lease site	285.00
Total Humboldt Redwood Company, LLC:			285.00
<b>Humboldt Waste Management Authority</b>			
Humboldt Waste Management Authority	11/30/2020	Essex E-Waste Disposal	1.75
Humboldt Waste Management Authority	11/30/2020	dispose of Ruth HQ hazardous waste	90.00
Humboldt Waste Management Authority	11/30/2020	dispose of Essex batteries	52.00
Humboldt Waste Management Authority	11/30/2020	dispose of Ruth HQ hazardous waste	57.50
Humboldt Waste Management Authority	11/30/2020	dispose of Ruth hydro Hazardous waste	57.50
Total Humboldt Waste Management Authority:			258.75
<b>Janet Powell</b>			
Janet Powell	11/03/2020	auto mileage reimbursement	98.10
Total Janet Powell:			98.10
<b>JTN Energy, LLC</b>			
JTN Energy, LLC	11/03/2020	Consultant Services Agreement - September 2020	345.36
Total JTN Energy, LLC:			345.36
<b>Lithia Chrysler Jeep Dodge</b>			
Lithia Chrysler Jeep Dodge	11/25/2020	Purchase new Unit 6	32,111.35
Total Lithia Chrysler Jeep Dodge:			32,111.35
<b>Mario Palmero</b>			
Mario Palmero	11/03/2020	Essex Petty Cash - Office Supplies	38.00
Mario Palmero	11/03/2020	Essex Petty Cash - Ruth Dock work crew supplies	16.38
Mario Palmero	11/03/2020	Essex Petty Cash - Ruth Hydro Maintenance	11.65
Mario Palmero	11/03/2020	Essex Petty Cash - Ruth Bunkhouse supplies	7.23
Mario Palmero	11/03/2020	Essex Petty Cash - Maintenance Supplies	19.37
Mario Palmero	11/03/2020	Essex Petty Cash - Ruth HQ Remodel	2.48
Mario Palmero	11/03/2020	Essex Petty Cash - Safety Meeting	17.97
Mario Palmero	11/03/2020	Essex Petty Cash - Ruth Area Fire Recovery work crew	32.64
Total Mario Palmero:			145.72
<b>Miller Farms Nursery</b>			
Miller Farms Nursery	11/30/2020	equipment maintenance	51.77
Total Miller Farms Nursery:			51.77

Humboldt Bay Municipal Water District

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Vendor Name	Date Paid	Description	Amount Paid
Mission Linen			
Mission Linen	11/30/2020	Uniform Rental	128.41
Mission Linen	11/30/2020	maintenance supplies	141.09
Mission Linen	11/30/2020	Uniform Rental	93.45
Mission Linen	11/30/2020	maintenance supplies	63.70
Mission Linen	11/30/2020	Uniform Rental	117.90
Mission Linen	11/30/2020	Uniform Rental	93.45
Total Mission Linen:			638.00
<b>Mitchell, Brisso, Delaney &amp; Vrieze</b>			
Mitchell, Brisso, Delaney & Vrieze	11/06/2020	Legal Services- October 2020 North Mainline Extension Study	310.00
Mitchell, Brisso, Delaney & Vrieze	11/06/2020	Legal Services October 2020 Tesla Battery Project	154.50
Mitchell, Brisso, Delaney & Vrieze	11/06/2020	Legal Services- Ruth Area Fire Recovery October 2020	232.50
Mitchell, Brisso, Delaney & Vrieze	11/06/2020	Legal Services- Ruth Area Vivid Green October 2020	15.50
Mitchell, Brisso, Delaney & Vrieze	11/06/2020	Legal Services- October 2020	751.00
Total Mitchell, Brisso, Delaney & Vrieze:			1,463.50
<b>Napa Auto Parts</b>			
Napa Auto Parts	11/06/2020	maintenance shop supplies	22.22
Napa Auto Parts	11/30/2020	Unit 15 maintenance	13.57
Napa Auto Parts	11/30/2020	Unit 16 maintenance	37.91
Napa Auto Parts	11/30/2020	Unit 16 maintenance	.31-
Napa Auto Parts	11/30/2020	Unit 16 maintenance/vehicle maintenance	140.21
Napa Auto Parts	11/30/2020	Unit 4 maintenance	44.22
Napa Auto Parts	11/30/2020	Tilt Deck Equipment Trailer	35.30
Total Napa Auto Parts:			293.12
<b>Network Management Services</b>			
Network Management Services	11/25/2020	Eureka office computer assistance	1,881.07
Network Management Services	11/25/2020	Essential Care Computer Service for Eureka office	1,115.29
Total Network Management Services:			2,996.36
<b>North Coast Laboratories</b>			
North Coast Laboratories	11/06/2020	lab tests - Humboldt Bay Retail	95.00
North Coast Laboratories	11/06/2020	lab tests - Humboldt Bay Retail	95.00
North Coast Laboratories	11/06/2020	lab tests - Fieldbrook-Glendale CSD	95.00
North Coast Laboratories	11/06/2020	lab tests - Humboldt Bay Retail	455.00
North Coast Laboratories	11/06/2020	lab tests - Fieldbrook-Glendale CSD	355.00
North Coast Laboratories	11/06/2020	lab tests - Fieldbrook-Glendale CSD Lead & Copper	105.00
North Coast Laboratories	11/06/2020	lab tests - Humboldt Bay Retail Lead & Copper	55.00
North Coast Laboratories	11/06/2020	lab tests - Fieldbrook-Glendale CSD Lead & Copper	55.00
North Coast Laboratories	11/06/2020	lab tests - Fieldbrook-Glendale CSD	95.00
North Coast Laboratories	11/06/2020	lab tests - Humboldt Bay Retail	95.00
North Coast Laboratories	11/06/2020	lab tests - Humboldt Bay Retail	285.00
North Coast Laboratories	11/06/2020	lab tests - Humboldt Bay Retail	320.00
North Coast Laboratories	11/06/2020	lab tests - Fieldbrook-Glendale CSD	95.00
North Coast Laboratories	11/06/2020	lab tests - Humboldt Bay Retail	95.00
North Coast Laboratories	11/06/2020	lab tests - Fieldbrook-Glendale CSD	95.00
Total North Coast Laboratories:			2,390.00
<b>Northern California Safety Consortium</b>			
Northern California Safety Consortium	11/09/2020	membership fee	75.00

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 11/1/2020-11/30/2020Page: 7  
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Vendor Name	Date Paid	Description	Amount Paid
Total Northern California Safety Consortium:			75.00
<b>Pacific Gas &amp; Electric Co.</b>			
Pacific Gas & Electric Co.	11/17/2020	Eureka Office	456.76
Pacific Gas & Electric Co.	11/17/2020	Jackson Ranch Rectifier	16.54
Pacific Gas & Electric Co.	11/17/2020	299 Rectifier	133.24
Pacific Gas & Electric Co.	11/17/2020	West End Road Rectifier	135.50
Pacific Gas & Electric Co.	11/17/2020	TRF	6,076.39
Pacific Gas & Electric Co.	11/17/2020	Ruth Hydro Valve Control	27.96
Pacific Gas & Electric Co.	11/17/2020	Samoa Booster Pump Station	657.95
Pacific Gas & Electric Co.	11/17/2020	Samoa Dial Station	33.19
Pacific Gas & Electric Co.	11/17/2020	Essex Pumping 10/1 - 10/31/2020	60,525.89
Pacific Gas & Electric Co.	11/30/2020	Ruth HQ	83.38
Pacific Gas & Electric Co.	11/30/2020	Ruth Bunkhouse	80.41
Total Pacific Gas & Electric Co.:			68,227.21
<b>Pacific Paper Co.</b>			
Pacific Paper Co.	11/04/2020	Eureka office supplies	214.48
Pacific Paper Co.	11/30/2020	Ergonomic desks for Operations and Electrical	214.83
Total Pacific Paper Co.:			429.31
<b>Pierson Building Center</b>			
Pierson Building Center	11/04/2020	Ruth area Fire Disaster Recovery	62.08
Total Pierson Building Center:			62.08
<b>Pitney Bowes</b>			
Pitney Bowes	11/16/2020	refill postage	500.00
Total Pitney Bowes:			500.00
<b>PitStop Cleaning`</b>			
PitStop Cleaning`	11/02/2020	Eureka office cleaning	160.00
Total PitStop Cleaning`:			160.00
<b>Platt Electric Supply</b>			
Platt Electric Supply	11/30/2020	Eureka office emergency generator installation	188.65
Platt Electric Supply	11/30/2020	Essex Shop Heater Repair/Volt Meter Repair	134.24
Platt Electric Supply	11/30/2020	Eureka office emergency generator installation	106.91
Platt Electric Supply	11/30/2020	Eureka office emergency generator installation	99.91
Platt Electric Supply	11/30/2020	Eureka office emergency generator installation	53.81
Platt Electric Supply	11/30/2020	Eureka office emergency generator installation	200.27
Platt Electric Supply	11/30/2020	Replace Voltage Detector	26.04
Total Platt Electric Supply:			809.83
<b>Power Industries, Inc</b>			
Power Industries, Inc	11/30/2020	Howell Bunger Valve Maintenance	577.10
Total Power Industries, Inc:			577.10
<b>Rebecca J. Moyle</b>			
Rebecca J. Moyle	11/16/2020	Eureka Office Petty Cash- Eureka office supplies	44.37



Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 11/1/2020-11/30/2020Page: 8  
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Vendor Name	Date Paid	Description	Amount Paid
Rebecca J. Moyle	11/16/2020	Eureka Office Petty Cash- COVID-19 Safety Supplies	16.26
Rebecca J. Moyle	11/16/2020	Eureka Office Petty Cash- Mail CAS Inundation Maps to DSOD	8.60
Rebecca J. Moyle	11/16/2020	Eureka Office Petty Cash - Fieldbrook Customer Letter	6.95
Rebecca J. Moyle	11/16/2020	Eureka Office Petty Cash- Ruth Area Fire Recovery	70.49
Total Rebecca J. Moyle:			146.67
<b>Recology Arcata</b>			
Recology Arcata	11/17/2020	Essex Garbage Service	660.83
Total Recology Arcata:			660.83
<b>Recology Humboldt County</b>			
Recology Humboldt County	11/09/2020	Eureka office garbage/recycling service	91.71
Total Recology Humboldt County:			91.71
<b>RMI Outdoors</b>			
RMI Outdoors	11/25/2020	Tilt Deck Equipment Trailer	11,027.86
Total RMI Outdoors:			11,027.86
<b>Ruth Lake C.S.D.</b>			
Ruth Lake C.S.D.	11/25/2020	Boat rental for log boom inspection	259.60
Ruth Lake C.S.D.	11/25/2020	Boat rental for R.W Matthews Dam Outlet Structure and Plunge	129.80
Total Ruth Lake C.S.D.:			389.40
<b>Ryan Chairez</b>			
Ryan Chairez	11/12/2020	expense reimbursement - safety boots	238.69
Total Ryan Chairez:			238.69
<b>Scrapper's Edge</b>			
Scrapper's Edge	11/25/2020	Ruth Area Fire Disaster Recovery Laminate Ruth Lake lease lot	73.66
Total Scrapper's Edge:			73.66
<b>Sequoia Construction Specialties</b>			
Sequoia Construction Specialties	11/06/2020	12KV Upgrade - Progress Payment 7	120,650.00
Total Sequoia Construction Specialties:			120,650.00
<b>Sitestar Nationwide Internet</b>			
Sitestar Nationwide Internet	11/03/2020	Essex Internet	52.90
Total Sitestar Nationwide Internet:			52.90
<b>Staples</b>			
Staples	11/30/2020	Essex office supplies	15.70
Staples	11/30/2020	Essex office supplies	15.70
Staples	11/30/2020	Essex office supplies	15.70
Staples	11/30/2020	Essex office supplies	88.74
Staples	11/30/2020	Essex office supplies	88.74
Staples	11/30/2020	Essex office supplies	88.74
Staples	11/30/2020	Essex office supplies	66.32
Staples	11/30/2020	Essex office supplies	66.32

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 11/1/2020-11/30/2020Page: 9  
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Vendor Name	Date Paid	Description	Amount Paid
Staples	11/30/2020	Essex office supplies	66.32-
Staples	11/30/2020	Essex office supplies	25.46
Staples	11/30/2020	Essex office supplies	25.47
Staples	11/30/2020	Essex office supplies	25.46-
Total Staples:			196.23
<b>Stillwater Sciences</b>			
Stillwater Sciences	11/25/2020	professional assistance - biologist consultation - Collector 4 cra	966.00
Stillwater Sciences	11/25/2020	professional assistance -Streambed Flow Enhancement Grant	966.00
Total Stillwater Sciences:			1,932.00
<b>Streamline</b>			
Streamline	11/02/2020	Website maintenance membership fee	450.00
Streamline	11/30/2020	Website maintenance membership fee	450.00
Total Streamline:			900.00
<b>Sudden Link</b>			
Sudden Link	11/03/2020	Fieldbrook-Glendale CSD Internet	309.69
Sudden Link	11/03/2020	TRF Internet	23.65
Sudden Link	11/03/2020	TRF Internet - Blue Lake SCADA Monitoring	47.29
Sudden Link	11/03/2020	TRF Internet - Fieldbrook-Glendale CSD	47.29
Sudden Link	11/04/2020	Essex Phones	105.96
Sudden Link	11/04/2020	Essex internet	191.16
Sudden Link	11/16/2020	Eureka Internet	208.45
Total Sudden Link:			933.49
<b>SurfacePrep</b>			
SurfacePrep	11/25/2020	Sandblasting safety equipment	48.12
Total SurfacePrep:			48.12
<b>SWRCB</b>			
SWRCB	11/30/2020	NPDES Drinking Water Purveyors Annual Permit Fee	2,811.00
Total SWRCB:			2,811.00
<b>Technical Learning College</b>			
Technical Learning College	11/30/2020	Chlorination 202 Course - CEUs	150.00
Total Technical Learning College:			150.00
<b>Tetrault Tire Center</b>			
Tetrault Tire Center	11/25/2020	Unit 2 tire maintenance	1,171.58
Total Tetrault Tire Center:			1,171.58
<b>Thatcher Company, Inc</b>			
Thatcher Company, Inc	11/25/2020	replenish chlorine	4,800.06
Thatcher Company, Inc	11/25/2020	replenish chlorine - container credit	2,000.00-
Total Thatcher Company, Inc:			2,800.06

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 11/1/2020-11/30/2020Page: 10  
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Vendor Name	Date Paid	Description	Amount Paid
The Mill Yard			
The Mill Yard	11/30/2020	Essex Small Equipment Loft	29.16
The Mill Yard	11/30/2020	Essex Small Equipment Loft	86.49
The Mill Yard	11/30/2020	Ruth area Fire Disaster Recovery	74.24
The Mill Yard	11/30/2020	maintenance supplies	37.96
The Mill Yard	11/30/2020	Ruth area Fire Disaster Recovery	58.57
Total The Mill Yard:			286.42
<b>Thomas Law Group</b>			
Thomas Law Group	11/25/2020	Legal Fees - October 2020	2,925.00
Total Thomas Law Group:			2,925.00
<b>Thrifty Supply</b>			
Thrifty Supply	11/09/2020	Ruth HQ water system maintenance	199.16
Thrifty Supply	11/30/2020	Manhole cover lifter - safety equipment	318.05
Thrifty Supply	11/30/2020	Ruth area Fire Disaster Recovery	913.58
Thrifty Supply	11/30/2020	Manhole cover lifter - safety equipment	318.05
Thrifty Supply	11/30/2020	TRF chemical pump maintenance	135.39
Thrifty Supply	11/30/2020	TRF chemical pump maintenance	31.12
Thrifty Supply	11/30/2020	TRF Hypochlorite pumps repair	228.41
Total Thrifty Supply:			2,143.76
<b>Trinity County General Services</b>			
Trinity County General Services	11/25/2020	Pickett Peak site lease	250.00
Total Trinity County General Services:			250.00
<b>Trinity County Solid Waste</b>			
Trinity County Solid Waste	11/25/2020	Ruth HQ dump fees	.75
Trinity County Solid Waste	11/25/2020	Ruth Hydro dump fees	.75
Total Trinity County Solid Waste:			1.50
<b>U.S. Bank Corporate Payment System</b>			
U.S. Bank Corporate Payment System	11/12/2020	AWWA Conference - Refund	344.00
U.S. Bank Corporate Payment System	11/12/2020	Webinar - Delhi Dam Failure	99.00
U.S. Bank Corporate Payment System	11/12/2020	Ruth Area Fire Disaster Recovery	58.37
U.S. Bank Corporate Payment System	11/12/2020	Ruth Log Boom Inspection/Maintenance	56.26
U.S. Bank Corporate Payment System	11/12/2020	Essex office supplies	104.74
U.S. Bank Corporate Payment System	11/12/2020	Spendwise/Officewise - Purchase Order Software Maint	95.60
U.S. Bank Corporate Payment System	11/12/2020	AirMedCare Membership	65.00
U.S. Bank Corporate Payment System	11/12/2020	AirMedCare membership	65.00
U.S. Bank Corporate Payment System	11/12/2020	Eureka office supplies	13.55
U.S. Bank Corporate Payment System	11/12/2020	Adobe Software - New computer	448.00
U.S. Bank Corporate Payment System	11/12/2020	Essex office supplies	11.38
U.S. Bank Corporate Payment System	11/12/2020	Collector Lube Oil Reservoir Replacement	95.03
U.S. Bank Corporate Payment System	11/12/2020	Collector Lube Oil Reservoir Replacement	450.84
U.S. Bank Corporate Payment System	11/12/2020	Ruth Area Fire Disaster Recovery	5,495.25
U.S. Bank Corporate Payment System	11/12/2020	Ruth Area Fire Disaster Recovery	3,933.79
U.S. Bank Corporate Payment System	11/12/2020	Essex office supplies	48.48
U.S. Bank Corporate Payment System	11/12/2020	Essex office supplies	126.07
U.S. Bank Corporate Payment System	11/12/2020	Ruth Area Fire Disaster Recovery	1,852.65
U.S. Bank Corporate Payment System	11/12/2020	Ruth Area Fire Disaster Recovery	323.25
U.S. Bank Corporate Payment System	11/12/2020	Essex IT & Software Maintenance	67.85

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 11/1/2020-11/30/2020Page: 11  
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Vendor Name	Date Paid	Description	Amount Paid
U.S. Bank Corporate Payment System	11/12/2020	<i>Ruth Hydro Phone Maintenance</i>	26.56
U.S. Bank Corporate Payment System	11/12/2020	<i>late fee</i>	20.30
Total U.S. Bank Corporate Payment System:			13,112.97
<b>U.S. Bank Corporate Trust Services</b>			
U.S. Bank Corporate Trust Services	11/09/2020	<i>SRF Quarterly Account Maint Fee (July - Sept 2020)</i>	225.00
Total U.S. Bank Corporate Trust Services:			225.00
<b>USA Blue Book</b>			
USA Blue Book	11/30/2020	<i>Humboldt Bay customer service supplies</i>	33.03
USA Blue Book	11/30/2020	<i>Fieldbrook-Glendale CSD customer service supplies</i>	94.01
USA Blue Book	11/30/2020	<i>TRF pump repair</i>	214.33
Total USA Blue Book:			341.37
<b>Valley Pacific Petroleum Servi, Inc</b>			
Valley Pacific Petroleum Servi, Inc	11/09/2020	<i>cardlock fuel - Ruth Area Fire Disaster Recovery</i>	963.72
Valley Pacific Petroleum Servi, Inc	11/09/2020	<i>cardlock fuel - Pumping &amp; Control</i>	510.83
Valley Pacific Petroleum Servi, Inc	11/09/2020	<i>cardlock fuel - water quality</i>	510.83
Valley Pacific Petroleum Servi, Inc	11/09/2020	<i>cardlock fuel - maintenance</i>	510.82
Valley Pacific Petroleum Servi, Inc	11/09/2020	<i>cardlock fuel - Humboldt Bay Retail</i>	132.81
Valley Pacific Petroleum Servi, Inc	11/09/2020	<i>cardlock fuel - Fieldbrook-Glendale CSD</i>	378.00
Total Valley Pacific Petroleum Servi, Inc:			3,007.01
<b>Verizon Wireless</b>			
Verizon Wireless	11/10/2020	<i>General Manager</i>	39.01
Verizon Wireless	11/10/2020	<i>Customer Service - Humboldt Bay</i>	19.11
Verizon Wireless	11/10/2020	<i>Customer Service - Fieldbrook-Glendale CSD</i>	54.41
Verizon Wireless	11/10/2020	<i>Operations 1</i>	.23
Verizon Wireless	11/10/2020	<i>Customer Service iPad-Humboldt Bay</i>	9.88
Verizon Wireless	11/10/2020	<i>Customer Service iPad - Fieldbrook-Glendale CSD</i>	28.13
Verizon Wireless	11/10/2020	<i>Ruth Area</i>	31.82
Verizon Wireless	11/10/2020	<i>Ruth Hydro</i>	31.83
Total Verizon Wireless:			214.42
<b>W.D. Edwards Consulting LLC</b>			
W.D. Edwards Consulting LLC	11/25/2020	<i>FERC Part 12</i>	4,542.18
Total W.D. Edwards Consulting LLC:			4,542.18
<b>Wes Green Landscaping</b>			
Wes Green Landscaping	11/30/2020	<i>Ruth Area Fire Disaster Recovery</i>	55.00
Total Wes Green Landscaping:			55.00
<b>Wienhoff &amp; Associates Inc</b>			
Wienhoff & Associates Inc	11/25/2020	<i>Annual Consortium membership</i>	320.00
Total Wienhoff & Associates Inc:			320.00
Grand Totals:			498,821.91

Humboldt Bay Municipal Water District

--Monthly Overtime Report--  
Pay period dates: 11/1/2020 - 11/30/2020Page: 1  
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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
Elec & Ins Tech	1.25	\$73	.00	\$0
Maintenance Mec	11.75	\$605	.00	\$0
Oper & Mnt Tech	.50	\$26	.00	\$0
Maint Worker	3.00	\$86	.00	\$0
Maintenance Mec	11.25	\$538	.00	\$0
Oper & Mnt Tech	4.00	\$191	1.00	\$64
Total ESSEX:	31.75	\$1,519	1.00	\$64
Hydro Oper Ruth	2.50	\$138	.00	\$0
Total RUTH:	2.50	\$138	.00	\$0
Grand Totals:	34.25	\$1,656	1.00	\$64

**Humboldt Bay Municipal Water District**

To: Board of Directors

Date: December 4, 2020

From: Chris Harris

RE: Investment Policy

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**Investment Policy**

State law requires that the Board consider and confirm the District's Investment Policy each year. The Board approved a revised Investment Policy (copy attached) in December 2019 based on the addition of CalTRUST, a JPA pooled investment program managed by BlackRock Investments. The original Investment Policy was adopted in 2004 and the Board has re-adopted a version of the original each year thereafter.

Attached is the current Investment Policy for your consideration and approval. The Investment Policy establishes three investment objectives for funds the District does not need for immediate use. These objectives are:

1. First, to preserve the Safety of Principal;
2. Second, to maintain Liquidity enabling the District to meet all operation requirements; and,
3. Third, to achieve a reasonable Rate of Return consistent with current economic cycles, risk limitations and the investment objectives noted above.

In addition, the Policy specifies four different investment options the District may utilize. These include the County Treasury, the State Local Agency Investment Fund (LAIF), CalTRUST and an irrevocable, tax-exempt IRC Section 115 Trust designated for CalPERS Pension Stabilization.

**Staff Recommendation**

Staff recommends that the Board re-adopt the attached Statement of Investment Policy for 20/21.

## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

### Statement of Investment Policy

The Secretary/Treasurer of the Humboldt Bay Municipal Water District hereby submits the following statements of the investment policy of the District.

#### I) Introduction

The authority governing investments for municipal governments is set forth in California Government Code, Sections 53601 through 53686, as amended through January 1, 2016.

The purpose of this policy is to establish investment guidelines for the District consistent with the Government Code and with prudent investment practices.

#### II) Investment Objectives

District funds, not required for immediate use, shall be prudently invested. In order of priority, the District's investment objectives are as follows:

- a) Safety of Principal – The preservation of principal is the primary objective. Investment transactions shall seek to ensure that capital losses are minimized.
- b) Liquidity – As a second objective, the investment funds should remain sufficiently flexible and available to enable the District to meet all operating requirements.
- c) Rate of Return – The third objective is to achieve a reasonable rate of return consistent with current economic cycles, risk limitations and the investment objectives above.

#### III) Investment Funds

The Humboldt Bay Municipal Water District has elected to utilize investment opportunities provided by California Government Code Sections 16429.1 and 53684, and Internal Revenue Code Section 115.

The District shall first invest all excess funds not required for immediate use with the Treasurer of the County of Humboldt or the State of California Local Agency Investment Fund.

The District reserves the option to designate and invest funds into an irrevocable, tax-exempt IRC Section 115 Trust. These funds shall be for the purpose of funding any CalPERS Unfunded Pension Liability, and shall be managed by Public Agencies Retirement Services (PARS).

As permitted under California Government Code Section 53601, the District additionally reserves the option to invest excess funds not required for immediate use with CalTRUST, a JPA pooled investment program managed by BlackRock Investments.

The terms and conditions of such investment options are set forth in District Resolution Numbers: 434, 435, and 2018-02 and hereby incorporated herein (attached hereto as reference).

Approved by Board of Directors: December 10, 2020

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Sheri Woo, President  
Humboldt Bay Municipal Water District

# **OPERATIONS**



Memo to: HBMWD Board of Directors  
From: Dale Davidsen, Superintendent  
Date: December 1, 2020  
Subject: Essex/Ruth November 2020 Operational Report

### **Upper Mad River, Ruth Lake, and Hydro Plant**

1. The flow at Mad River above Ruth Reservoir (Zenia Bridge) averaged 7 cfs. The low flow was 3 cfs on November 30<sup>th</sup> and the high flow was 17 cfs on November 20<sup>th</sup>.
2. The conditions at Ruth Lake for November were as follows:

The lake level on November 30<sup>th</sup> was 2633.75 feet which is:

- 7.51 feet lower than October 31<sup>st</sup>, 2020
  - 1.22 feet lower than November 30<sup>th</sup>, 2019
  - 6.27 feet lower than the ten year average
  - 20.25 feet below the spillway
3. There were 1.74 inches of recorded rainfall for November at Ruth Headquarters.
  4. Ruth Hydro produced 468,000 KWh in November.
  5. The lake discharge averaged 109 cfs with a high of 122 cfs on November 8<sup>th</sup>.

### **Lower Mad River, Winzler Control, and TRF**

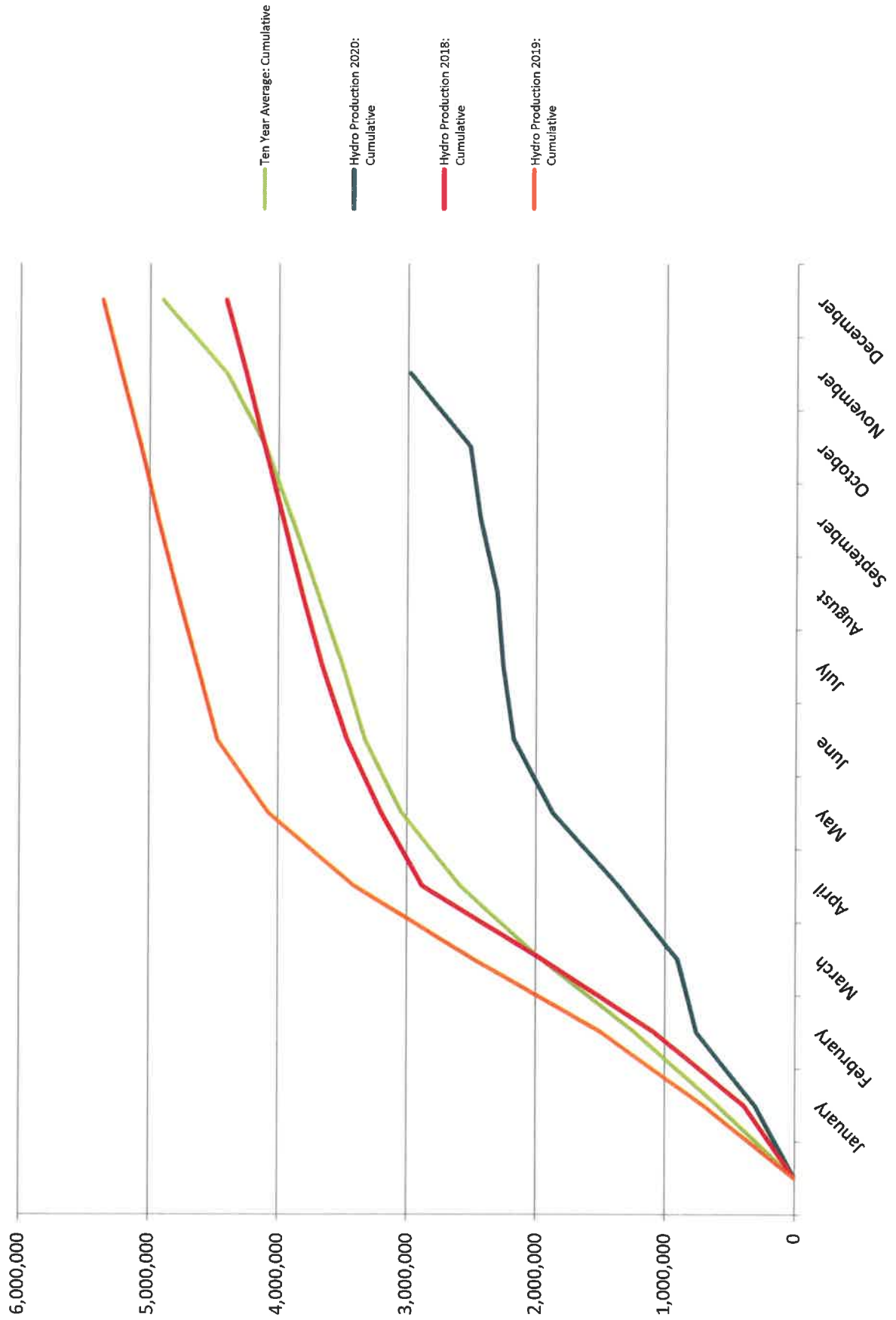
6. The river at Winzler Control Center for November had an average flow of 145 cfs. The river flow reached a high flow of 451 cfs on November 19<sup>th</sup>.
7. The domestic water conditions were as follows:
  - The monthly turbidity average was 0.07 NTU, which meets Public Health Secondary Standards.
  - For November, we pumped 230.937 million gallons at an average of 7.698 MGD.
  - The maximum metered daily municipal use was 8.433 MGD on November 10<sup>th</sup>.

The TRF conditions were as follows:

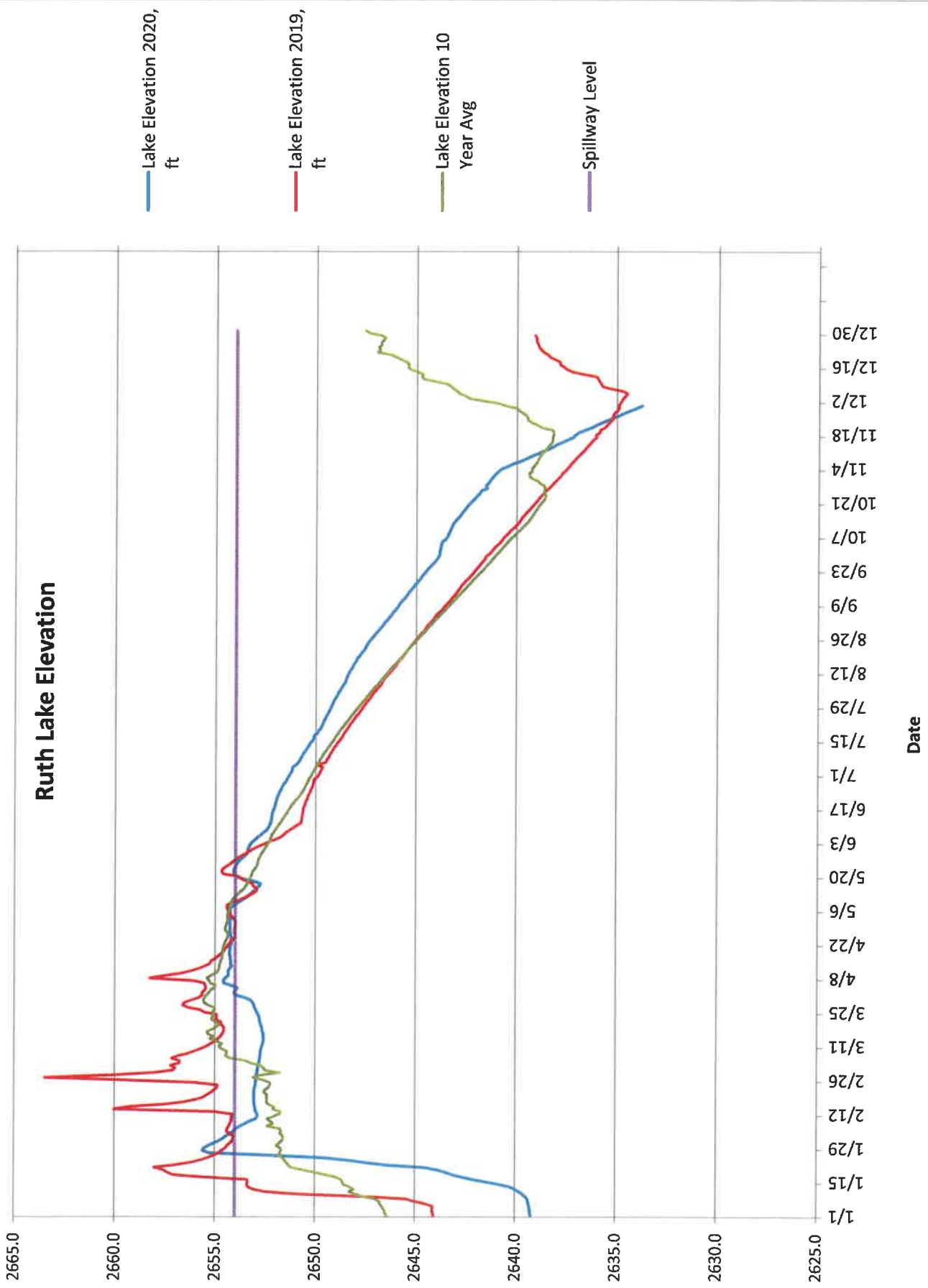
- Average monthly filtered water turbidity was 0.08 NTU.
- There were 37 TRF filter backwashes in November.

8. November 3<sup>rd</sup>
  - Maintenance staff went to Ruth to install 1,200 more feet of waddle.
  - Electrical staff went to Ruth to investigate why neither generator would run above 500kW.
9. November 4<sup>th</sup> – Staff poured concrete slab for generator at main office.
10. November 10<sup>th</sup> – Maintenance staff went to Ruth to work on water system and work on minor repairs to spillway.
11. November 12<sup>th</sup> - Maintenance staff went to Ruth to complete minor repairs to spillway.
12. November 13<sup>th</sup> – Fire Hydrant hit in Fieldbrook, Called out 1 Maintenance mechanic at 2130 to repair.
13. November 16<sup>th</sup> – Two of Essex staff went to CPR/ First aid training at NCSC.
14. November 18<sup>th</sup>
  - John, Chris, Adam and I went to Ruth to review fire recovery plan, survey fire damage in headwaters forest and give Adam an orientation and scope of work.
  - Safety meetings
    - i. Fire prevention
    - ii. SCBA Training
15. November 24<sup>th</sup> – Trip to Ruth
  - I met with Ruth personnel for a safety meeting covering topics below.
    - i. General dam safety awareness
    - ii. DSSMP
    - iii. ODSP
  - Chris and I also met with Adam regarding erosion control measures and placement.
16. November 30<sup>th</sup> – Crawford Geotechnical on site doing borings for reservoir seismic upgrade project.
17. Current and Ongoing Projects
  - COVID 19 – Still dealing with modified staffing arrangements as best we can. Due to current spike, we have elevated level of disinfecting shared work spaces.
  - Working with agencies and staff on fire damage erosion mitigation measures at Ruth.
  - 12kV project. – Project winterized for now. Working with all parties on generator control strategy and IPA/switchgear submittal.
  - Routine annual equipment maintenance and services.

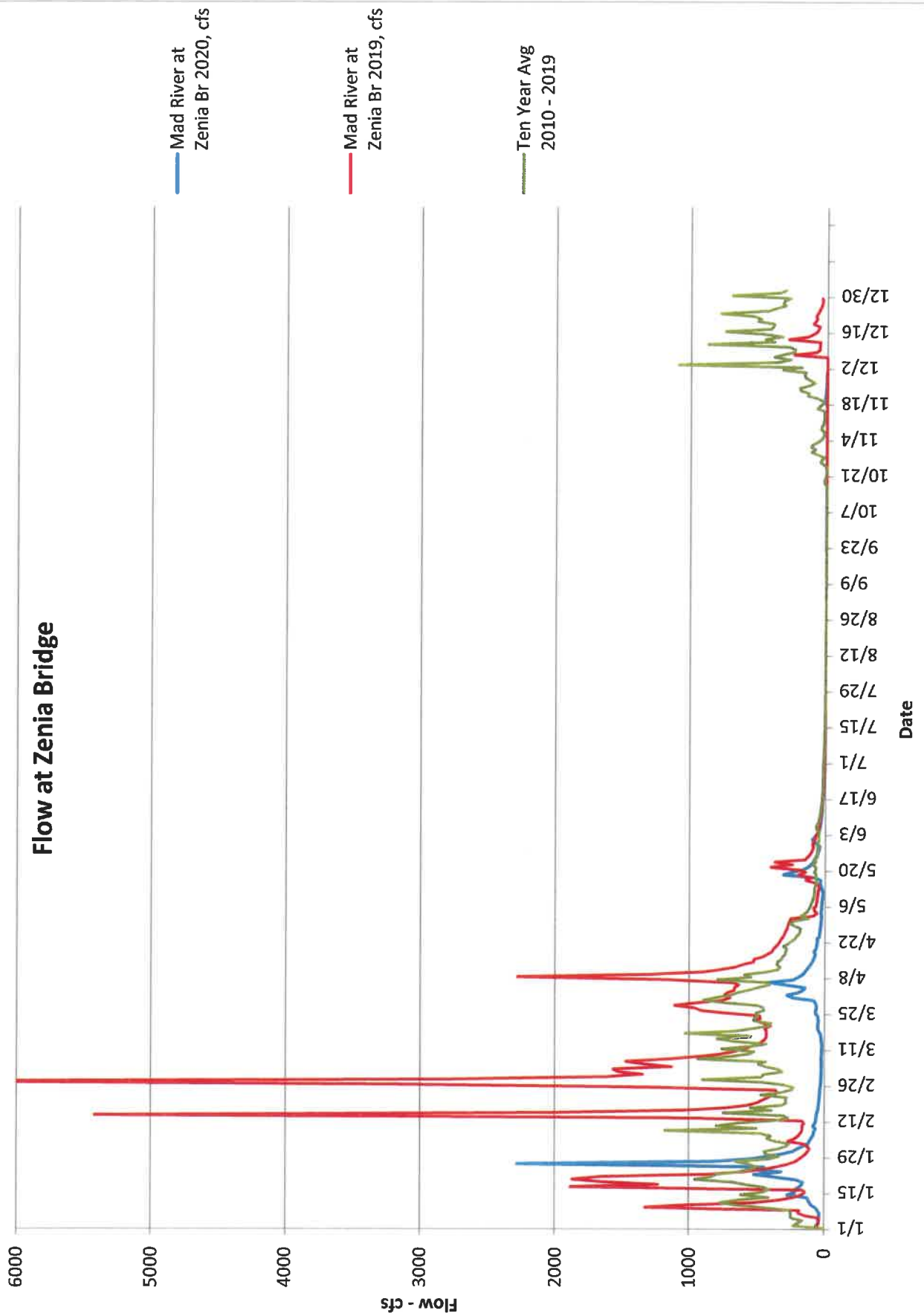
### Ruth Hydro Production: kW per Month



### Ruth Lake Elevation

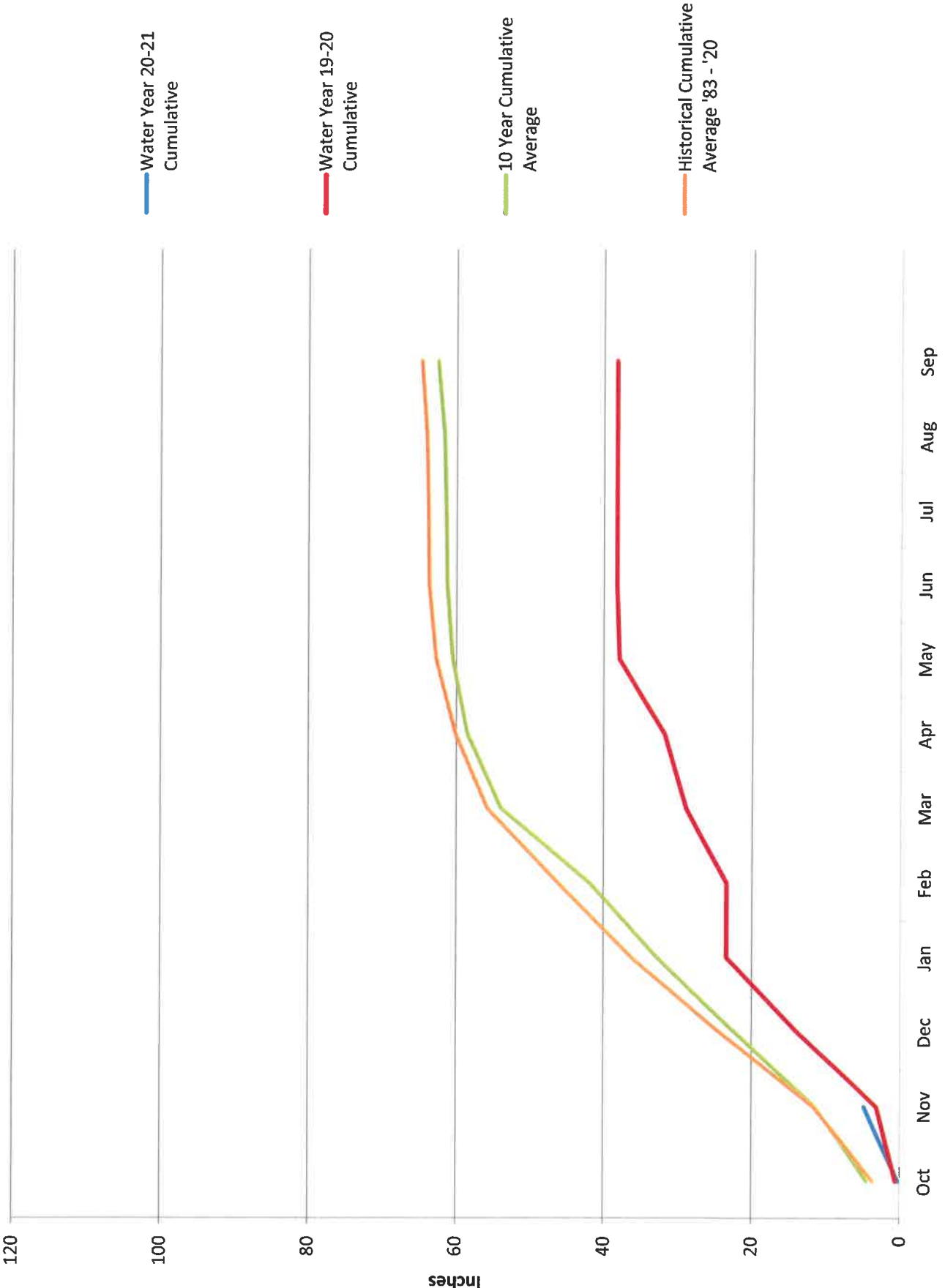


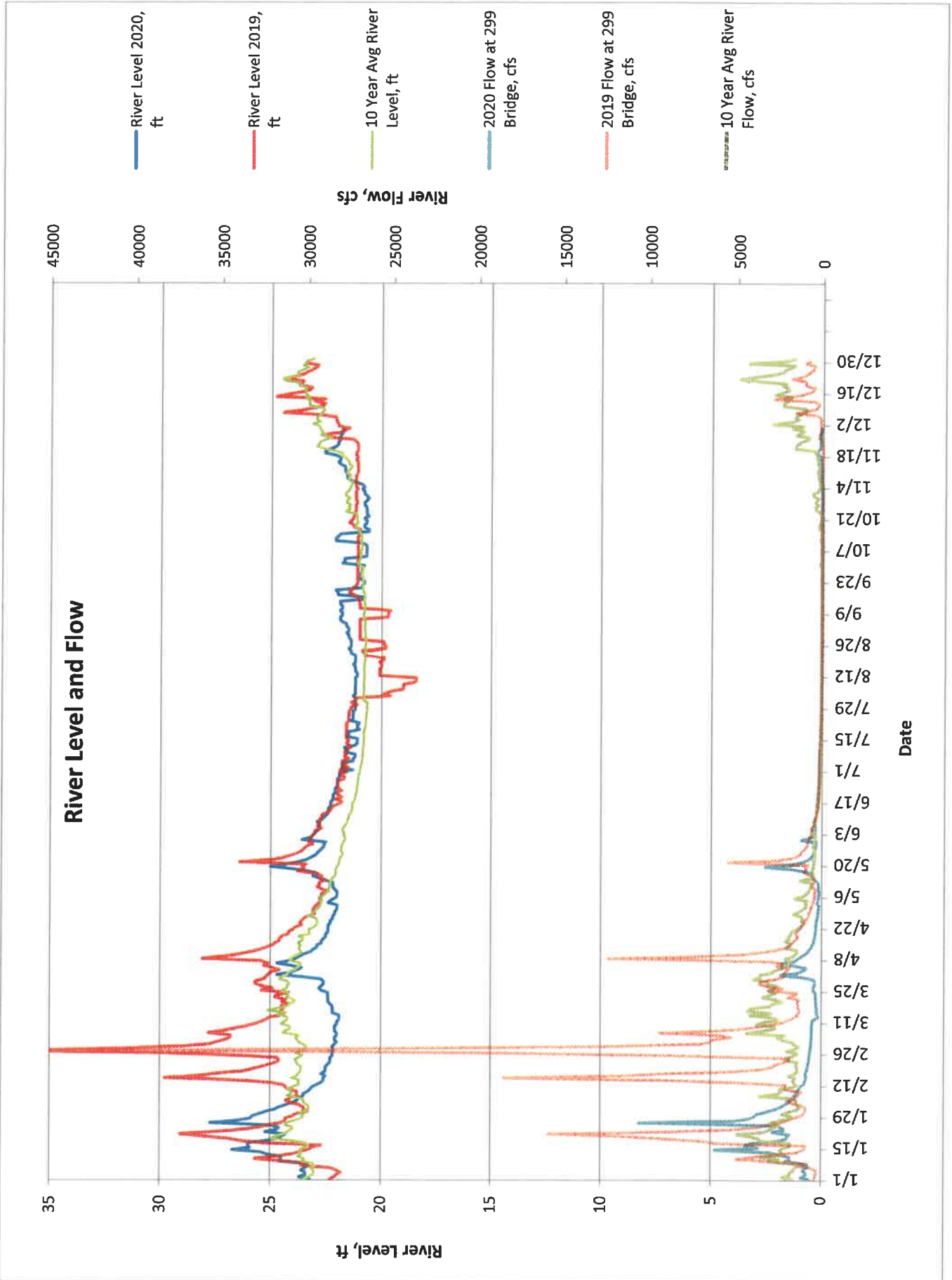
### Flow at Zenia Bridge



DATE PLOTTED: 11/15/2020 10:00 AM

KURN RAINFALL - WATER YEAR 2020-2021





**MANAGEMENT**



Energy Committee Meeting	
November 17, 2020 • 10:00 am – 11:30 am	Virtual Meeting
Chair: Charley Wilson	Vice-chair: Michael Minkler
<b>Committee Contact:</b> Nick Blair, Regulatory Advocate, <a href="mailto:Nickb@acwa.com">Nickb@acwa.com</a>	
<b>GoTo Meeting Link:</b> <a href="https://global.gotomeeting.com/join/236519029">https://global.gotomeeting.com/join/236519029</a>	

- |  |   |
|--|---|
| I. Chair's Welcome & Introductions (5 min)   | Charley Wilson                              |
| II. ACWA Happenings (20 min)   | Charley Wilson, Michael Minkler, Nick Blair |
| <ul style="list-style-type: none"> <li>a. PSPS Updates</li> <li>b. Recap of Recent IOU Conferences</li> <li>c. ACWA Solar/Storage Preferred Provider Agreement development</li> <li>d. Upcoming Energy-Related Panels at ACWA Conference Preview</li> <li>e. CARB Clean Fleet Rule Coalition Letter</li> </ul> |   |
| III. Water Energy Nexus Update (20 min)  | Chelsea Hasenauer, Climate Registry         |
| <ul style="list-style-type: none"> <li>a. Presentation</li> <li>b. Q&amp;A</li> </ul>  |   |
| IV. CPUC SGIP Program (25 min)   | Asal Esfahani, CPUC                         |
| <ul style="list-style-type: none"> <li>a. Presentation</li> <li>b. Q&amp;A</li> </ul>  |   |
| V. ReMAT/BioMAT Update (10 min)  | Michael Minkler                             |
| <ul style="list-style-type: none"> <li>a. Adjourn</li> </ul>   |   |

Next Meeting: February 2021

Meeting notes:

- II. a. ACWA PPS working group re-convened. Meeting to share concerns and report those to CPUC.
- II. b. Update by Nick Blair re all things related to water. Charlie Wilson provided Key Note Address – Organizing the Chaos.
- II. c. PPA – ending agreement with CalCon as of Nov. 11<sup>th</sup>. Re-developing RFQ – consulting for solar and battery systems, fleet vehicle options, misc. other energy services. Distribute to applicants in early January.
- II. e. CARB – informal comment period. Coordinating with other entities for coalition letter. If interested, HBMWD can provide input.

- III. Water Energy Nexus Registry – The Climate Registry is a non-profit located in Southern Calif. SCWA is using data to coordinate with local Choice Aggregation Energy Organization to obtain cleaner source power for their operation.
- IV. CPUC SGIP Program – summary of program. HBMWD is already participating.
- V. Re-Mat and Bio-Mat – Renewable Market Adjustment Tariff. Bio materials Market Adjustment Tariff. HBMWD is already participating in the RE-MAT program for our hydro power. Re-Mat suspended 3 years ago due to a Federal law suit. Our contract was grandfathered as a pre-lawsuit contract.

# Goals of the Self-Generation Incentive Program (SGIP)

**Established in 2001:** Assembly Bill 970 (Ducheny, 2000).

- Rebates for behind-the-meter generation (100% renewable, does not include solar) and energy storage.

Goals of SGIP (Public Utilities Code § 379.6):

**Increase deployment** of distributed generation & energy storage systems to facilitate grid integration;

**Improve efficiency and reliability** of distribution and transmission system;

**Reduce emissions of greenhouse gases, peak demand, and ratepayer costs.**



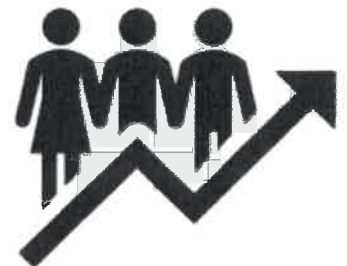
To learn more visit: <https://www.cpuc.ca.gov/sgip/>

## SGIP Status

Unprecedented uptake in energy storage in 2020, particularly in the equity resiliency budget which can cover (or nearly cover) the full cost of installing energy storage for residential customers.

PG&E received more SGIP applications in the first **9 months** of 2020 than in the past **19 years combined** and allocated its full \$270M equity resiliency budget in less than 6 months.

On October 22, 2020, the CPUC adopted a decision that moves \$100 M into the non-residential equity budget and \$8.5 M into the residential equity budget.



*ACWA*  
Headwaters Conference Call

November 17, 2020

1pm – 2pm (PST)

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**Agenda:**

- I. Introductions and Call to Order, *Willie Whittlesey*
  - a. Update on Legislation – S. 4431/H.R. 7978, *David Reynolds*
- II. Update on Congressional Leadership post-election, *David Reynolds*
- III. Update on Fall Conference – headwaters panel, *Willie Whittlesey*
  - a. [Register for Conference](#)
- IV. Other items

**Meeting Notes:**

- I.
  - a. Update on Legislation – S. 4431/ H.R. 7978 Several bills that might be combined into a package. Unknown at this time. Maybe part of an omnibus appropriations bill. Unknown if President will sign. Community Wildfire Bill. Controlled burning bill.
- II. Congressional Leadership – Resources Committee battle for leadership. Best to stay out of it. ACWA's historical practice is to stay out of the party caucuses jockeying for committee leadership under the assumption that if you back the wrong person, it can hurt you in the long run.
- III. Fall Conference – preparation of conference videos is underway.
- IV. Other – next meeting: Jan mid to late.

# RUTH LAKE COMMUNITY SERVICES DISTRICT

SECTION B74 PAGE NO. 1

The regular meeting of the Ruth Lake CSD Board of Directors will be held on  
Tuesday December 8, 2020 at 4:00PM at the RLCSD Community Hall  
Located at 591 Van Duzen Road in Mad River.

1. Call to order.  
Flag Salute
2. Approval of the agenda for meeting of December 8, 2020.
3. Approval of minutes for board meeting on November 10, 2020.
4. Public Comment; Members of the public are invited to address the Board on any items *not* listed on the agenda below. No action or discussion will be conducted on matters presented at this time. When addressing the Board, please state your name for the record prior to providing your comments. Please address the Board as a whole through the Chair. Comments are limited to three minutes and must pertain to matters within the jurisdiction of the Board.
5. Supervisor's Report:
6. Correspondence:
  - a. HBMWD Quagga Dog Report
  - b. HBMWD Quagga Mussel Grant Report
  - c. HBMWD Ruth Lease Lot Improvement Policies
7. Update of District Projects:
  - a. Old Ruth, Ruth Rec Campground, and Marina launching gates
  - b. Golf Cart for Ruth Rec Campground
8. Items for Board Action and Investigation:
  - a. Consider/approve selling #22 Bennington patio boat from Marina (discussion with possible action)
  - b. Consider/approve purchasing a new 22ft Sun Tracker 60hp patio boat for Marina (discussion with possible action)
  - c. Consider/approve a new motor for #25 patio boat at Marina (discussion with possible action)
  - d. Consider/approve temporary suspension of lease sale/transfers of leases affected by August Complex Fire until completion of rehab (discussion with possible action)
  - e. Consider/approve revision of 20/21 budget (discussion with possible action)
  - f. Consider/approve filling a 12 month maintenance position for district (discussion with possible action)
9. Manager's Report and Update:
  - A. Financial-Recognize and acknowledge documents
  - B. Community Hall
  - C. Marina
  - D. Campground
  - E. Leases
  - F. Buffer Strip
  - G. Highway 36 Project
10. New Matters for Board Consideration:
11. Closed Session:
  - a. Ruth Rec and Marina personnel updates (54957.6)
12. Adjournment

**ACWA**

**DECEMBER 2 - 3**

ACWA 2020 Fall Virtual Conference & Exhibition

# ADAPTING TO CHANGE

**Wednesday - December 2, 2020**

## CONFERENCE OPENING

**8:00 AM**

### Opening Remarks

Steve LaMar, ACWA President  
Dave Eggerton, ACWA Executive Director

### Opening Video

**8:30 AM**

### Opening Keynote

Cassandra Pye, Executive Vice President  
and Chief Strategy Officer, Lucas Public Affairs

### 2020 ACWA Awards

Lifetime Achievement, Huell Howser Best  
in Blue and Diamond & Platinum Sponsors

### Sponsor Remarks

### ACWA JPIA Presentation

**9:45 AM**

## BREAK

**10:00 AM**

## NEW! Networking Lounge

**10:30 AM**

## BREAKOUT SESSIONS



### Attorney Program

SCOTUS - A Look Back  
and a Look Forward at the  
Supreme Court

### Human Resource Program

Leading a High  
Performing Team

### Statewide Issue Forum

Diversity, Equity & Inclusion:  
How the Water Industry is  
Leading Change

**11:30 AM**

## CHAT ROOMS



Social Media-Ask the Expert  
SCOTUS Discussion  
Membership Coffee Chat



## VIRTUAL EXHIBIT HALL

Learn about innovative  
products and services!

## EXHIBITOR PRESENTATIONS

**12:00 PM**

Demo 1

Demo 2

Demo 3

**12:30 PM**

Demo 4

Demo 5

Demo 6

**DECEMBER 2 - 3**

ACWA 2020 Fall Virtual Conference & Exhibition

# ADAPTING TO CHANGE

**Wednesday - December 2, 2020 (CONTINUED)**

**1:00 PM**

### AFTERNOON KEYNOTE

Tim Quinn, Fellow, Stanford University

**1:30 PM**

### BREAKOUT SESSIONS

**Communications Program**  
Adapting Your Communications Strategy to a Changing World

 **Energy / Water Industry Trends**  
Innovation - A Better Water Future Based on New Ideas

**Water Industry Trends Program**  
Water Quality Issue Forum: Regulating Contaminants

**2:30 PM**

**NEW!** Networking Lounge

**2:45 PM**

### BREAKOUT SESSIONS

 **Finance Program**  
A Superior Court Victory for Water Efficiency and Budget Rates: How Western MWD Prevailed

**Region Issue Forum**  
Incentivizing Biomass Power to Help Improve Watershed Health  
Presented by Region 3

 **Statewide Issue Forum**  
Data for 21st Century Water Management

**3:45 PM**

### CHAT ROOMS



COVID - Lessons Learned  
Trivia with ACWA



### VIRTUAL EXHIBIT HALL

Learn about innovative products and services!

**4:15 PM**

### BREAKOUT SESSIONS

**Statewide Issue Forum**  
Post-election Analysis: The 2021 Crystal Ball

**Water Industry Trends Program**  
Navigating the State Capitol

**5:15 PM**

 **Women in Water Virtual Reception** 



**DECEMBER 2 - 3**

ACWA 2020 Fall Virtual Conference & Exhibition

# ADAPTING TO CHANGE

**Thursday - December 3, 2020**

**7:30 AM**

### VIRTUAL CHAIR YOGA

Start your morning with wellness and join us for a guided chair yoga session.

**8:00 AM**

### DAY 2 OPENING

#### Opening Remarks

Pam Tobin, ACWA Vice President

#### 2020 ACWA Awards

John P. Fraser Emissary, Stephen K. Hall Water Law & Policy Scholarship and Outreach

**8:30 AM**

#### Keynote

Dr. Daniel Swain, Climate Scientist, UCLA

**9:00 AM**

### BREAKOUT SESSIONS



#### Region Issue Forum

Reactivating Floodplains in the Sacramento Valley: A New Path Forward  
Presented by Region 2

#### Statewide Issue Forum

Forest Management  
Federal and State Perspectives



#### Water Industry Trends Program

COVID-19: Suspension of Shutoffs and Accumulation of Water Customer Debt to Public Water Agencies

**10:00 AM**



#### Region Issue Forum

Working Collaboratively on the Colorado  
Presented by Regions 9 & 10



#### Statewide Issue Forum

"SAFER" - Getting Down to Nuts and Bolts for Safe Drinking Water for All



#### Water Industry Trends Program

SB 100 (de León, 2018) Implementation - Renewable Energy and Zero-Carbon Resources

**11:00 AM**

### CONFERENCE CLOSING

#### Closing Keynotes - 3 Secretaries Forum

Secretary Jared Blumenfeld, California Environmental Protection Agency  
Secretary Wade Crowfoot, California Natural Resources Agency  
Secretary Karen Ross, California Department of Food and Agriculture

**12:00 PM**

#### Closing Remarks

Steve LaMar, ACWA President

## MEMORANDUM

Date: December 1, 2020

To: Region 1 Member Agency Presidents and General Managers  
(sent via e-mail)

From: ACWA Region 1 Board

The Region 1 Board is looking for ACWA members who are interested in leading the direction of ACWA Region 1 for the remainder of the 2020-2021 term. The Board is seeking candidates from Region 1 to fill two board vacancies.

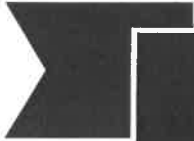
The leadership of ACWA's ten geographical regions is integral to the leadership of the Association as a whole. The Chair and Vice Chair of Region 1 serve on ACWA's Statewide Board of Directors and recommend all committee appointments for Region 1. The members of the Region 1 Board determine the direction and focus of region issues and activities. Additionally, they support the fulfillment of ACWA's goals on behalf of members.

If you, or someone within your agency, are interested in serving in a leadership role within ACWA by becoming a Region 1 Board Member, please familiarize yourself with the Role of the Regions and Responsibilities; and the Region 1 Rules and Regulations [HERE](#) and complete the following steps:

- **Complete the Nomination Form [HERE](#)**
- **Obtain a Resolution of support from your agency's Board of Directors (sample resolution [HERE](#) )**
- **Submit the requested nomination form to ACWA by 5:00 p.m. December 31, 2020**

The Region 1 Board will make their appointment shortly thereafter and will inform the region of the results.

If you have any questions, please contact ACWA Regional Affairs Representative Jennifer Rotz at [JenniferR@acwa.com](mailto:JenniferR@acwa.com), or call (916) 441-4545.



# REGION BOARD CANDIDATE NOMINATION FORM

Name of Candidate: \_\_\_\_\_

Agency: \_\_\_\_\_ Title: \_\_\_\_\_

Agency Phone: \_\_\_\_\_ Direct Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_ ACWA Region: \_\_\_\_\_ County: \_\_\_\_\_

Address: \_\_\_\_\_

**Agency Function(s):** (check all that apply)

- Wholesale
- Urban Water Supply
- Ag Water Supply
- Sewage Treatment
- Retailer
- Wastewater Reclamation
- Flood Control
- Groundwater Management / Replenishment
- Other: \_\_\_\_\_

**Describe your ACWA-related activities that help qualify you for this office:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**In the space provided, please write or attach a brief, half-page bio summarizing the experience and qualifications that make you a viable candidate for ACWA Region leadership. Please include the number of years you have served in your current agency position, the number of years you have been involved in water issues and in what capacity you have been involved in the water community.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*I acknowledge that the role of a region board member is to actively participate on the Region Board during my term, including attending region board and membership meetings, participating on region conference calls, participating in ACWA's Outreach Program, as well as other ACWA functions to set an example of commitment to the region and the association.*

*I hereby submit my name for consideration by the Nominating Committee.  
(Please attach a copy of your agency's resolution of support/sponsorship for your candidacy.)*

\_\_\_\_\_  
Signature Title Date

Submit completed form to Petra Rice at petrar@acwa.com.

RESOLUTION NO. \_\_\_\_\_

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
(DISTRICT NAME)  
PLACING IN NOMINATION (NOMINEE NAME)  
AS A MEMBER OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES  
REGION \_\_\_\_ (POSITION)

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF (DISTRICT NAME) AS FOLLOWS:

A. Recitals

(i) The Board of Directors (Board) of the (District Name) does encourage and support the participation of its members in the affairs of the Association of California Water Agencies (ACWA).

(ii) (Nominee Title), (Nominee Name) is currently serving as (Position) for ACWA Region \_\_\_\_

and/or

(iii) (Nominee Name) has indicated a desire to serve as a (Position) of ACWA Region \_\_\_\_.

B. Resolves

NOW, THEREFORE, BE IT RESOLVED THAT THE BOARD OF DIRECTORS OF (DISTRICT NAME),

(i) Does place its full and unreserved support in the nomination of (Nominee Name) for the (Position) of ACWA Region \_\_\_\_.

(ii) Does hereby determine that the expenses attendant with the service of (Nominee Name) in ACWA Region \_\_\_\_ shall be borne by the (District Name).

Adopted and approved this \_\_\_\_ day of \_\_\_\_ (month) 2020.

(SEAL)

\_\_\_\_\_  
(Nominee Name), (Title)  
(District Name)

ATTEST:

---

(Secretary Name), Secretary

I, (SECRETARY NAME), Secretary to the Board of Directors of (District Name), hereby certify that the foregoing Resolution was introduced at a regular meeting of the Board of Directors of said District, held on the \_\_\_\_ day of \_\_\_\_ (month) 2020, and was adopted at that meeting by the following roll call vote:

AYES:

NOES:

ABSENT:

ATTEST:

---

(Secretary Name), Secretary to the  
Board of Directors of  
(District Name)

## THE ROLE OF THE REGIONS

### Mission:

*ACWA Regions will provide the grassroots support to advance ACWA's legislative and regulatory agenda.*

### Background:

As a result of ACWA's 1993 strategic planning process, known as Vision 2000, ACWA modified its governance structure from one that was based on sections to a regional-based configuration. Ten regions were established to provide geographic balance and to group agencies with similar interests.

### The primary charge of regions:

- To provide a structure where agencies can come together and discuss / resolve issues of mutual concern and interest and based on that interaction, provide representative input to the ACWA board.
- To assist the Outreach Task Force in building local grassroots support for the ACWA Outreach Program in order to advance ACWA's legislative and regulatory priorities as determined by the ACWA Board and the State Legislative, Federal Affairs or other policy committees.
- To provide a forum to educate region members on ACWA's priorities and issues of local and statewide concern.
- To assist staff with association membership recruitment at the regional level.
- To recommend specific actions to the ACWA Board on local, regional, state and federal issues as well as to recommend endorsement for various government offices and positions.
  - *Individual region boards CANNOT take positions, action or disseminate communication on issues and endorsements without going through the ACWA Board structure.*

Region chairs and vice chairs, with support from their region boards, provide the regional leadership to fulfill this charge.

### ***GENERAL DUTIES / RESPONSIBILITIES FOR REGION OFFICERS***

#### Region Chair:

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Chair will also call at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Is a member of ACWA's Outreach Program, and encourages region involvement.
  - Appoints Outreach Captain to help lead outreach effort within the region.

- Presides over all region activities and ensures that such activities promote and support accomplishment of ACWA's Goals.
- Makes joint recommendations to the ACWA President regarding regional appointments to all ACWA committees.
- Appoints representatives in concurrence of the region board, to serve on the region's nominating committee with the approval of the region board.
- Facilitates communication from the region board and the region membership to the ACWA board and staff.

#### Region Vice Chair:

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Vice Chair will also participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- In the absence of the chair and in partnership with the chair, exercises the powers and performs duties of the region chair.
- Is a member of ACWA's Outreach Program, and encourages region involvement.
- Makes joint recommendations to the ACWA president regarding regional appointments to all ACWA committees.

#### Region Board Member:

- May serve as alternate for the chair and/or vice chair in their absence (if appointed) to represent the region to the ACWA Board.
- Will participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Supports program planning and activities for the region.
- Actively participates and encourages region involvement in ACWA's Outreach Program.

## ACWA Region 1 Rules & Regulations

*Each region shall organize and adopt rules and regulations for the conduct of its meetings and affairs not inconsistent with the Articles of Incorporation or bylaws of the Association (ACWA Bylaw V, 6.).*

### **Officers**

The chair shall appoint a secretary to the Board if one is deemed necessary.

### **Meetings**

Region 1 will meet quarterly, subject to call of the chair, with two of those meetings to be held at ACWA spring and fall conferences.

### **Attendance**

If a region chair or vice chair is no longer allowed to serve on the Board of Directors due to his / her attendance, the region board shall appoint from the existing region board a new region officer. (ACWA Policy & Guideline Q, 1.)

If a region chair or vice chair misses three consecutive region board / membership meetings, the same process shall be used to backfill the region officer position. (ACWA Policy & Guideline Q, 1.)

If a region board member has three consecutive unexcused absences from a region board meeting or general membership business meeting, the region board will convene to discuss options for removal of the inactive board member. If the vacancy causes the board to fail to meet the minimum requirement of five board members, the region must fill the vacancy according to its rules and regulations. (ACWA Policy & Guideline Q, 3.)

### **Vacancy**

If the chair's position becomes vacant, the vice chair will fill the chair's position.

If the vice chair's position becomes vacant, the alternate chair will fill the vice chair's position

### **Elections**

All nominations received for the region chair, vice chair and board positions must be accompanied by a resolution of support from each sponsoring member agency, signed by an authorized representative of the Board of Directors. Only one individual may be nominated from a given agency to run for election to a region board. Agencies with representatives serving on the nominating committees should strive not to submit nominations for the region board from their agency. (ACWA Policy & Guideline P, 2.)

Election ballots will be e-mailed to ACWA member agency general managers and presidents.



The nominating committee shall consist of three to five members.

The nominating committee should pursue qualified members within the region to run for the region board, and should consider geographic diversity, agency size and focus in selecting a slate.

*See the current region election timeline for specific dates.*

### **Endorsements**

ACWA, as a statewide organization, may endorse potential nominees and nominees for appointment to local, regional, and statewide commissions and boards. ACWA's regions may submit a recommendation for consideration and action to the ACWA Board of Directors to endorse a potential nominee or nominee for appointment to a local, regional or statewide commission or board. (ACWA Policy & Guideline P, 3.)

### **Committee Recommendations & Representation**

All regions are given equal opportunity to recommend representatives of the region for appointment to a standing or regular committee of the Association. If a region fails to provide full representation on all ACWA committees, those committee slots will be left open for the remainder of the term or until such time as the region designates a representative to complete the remainder of the term. (ACWA Policy & Guideline P, 4. A.)

At the first region board / membership meeting of the term, regions shall designate a representative serving on each of the standing and regular committees to serve as the official reporter to and from the committee on behalf of the region to facilitate input and communication. (ACWA Policy & Guideline P, 4. B.)

### **Tours**

ACWA may develop and conduct various tours for the regions. All tour attendees must sign a "release and waiver" to attend any and all region tours. Attendees agree to follow environmental guidelines and regulations in accordance with direction from ACWA staff; and will respect the rights and privacy of other attendees. (ACWA Policy & Guideline P, 6.)

### **Finances**

*See "Financial Guidelines for ACWA Region Events" document.*

### **Amending the Region Rules & Regulations**

ACWA policies and guidelines can be amended by approval of the ACWA Board of Directors.

The Region 1 Rules & Regulations can be amended by a majority vote of those present at any Region 1 meeting as long as a quorum is present.

# REGION MAP

www.acwa.com



REGIONS  
1, 3, 5

**Jennifer Rotz**  
Regional Affairs Representative  
jenniferr@acwa.com

REGIONS  
2, 6, 7

**Michael Cervantes**  
Senior Regional Affairs Representative  
michaelc@acwa.com

REGION  
4

**Ana Javid**  
Region & Member Engagement  
Specialist II  
anaj@acwa.com

REGIONS  
8, 9, 10

**Augustine Han**  
Regional Affairs Representative  
augustineh@acwa.com



# ACWA Public Water Agency Members by County

<p><b>Alameda</b> Alameda County Water District City of Pleasanton Dublin San Ramon Services District East Bay Municipal Utility District Zone 7 Water Agency</p> <p><b>Alpine</b> Kirkwood Meadows PUD</p> <p><b>Amador</b> Amador Water Agency</p> <p><b>Butte</b> Butte Water District Ducor Community Services District Paradise Irrigation District Reclamation District #2047 Richvale Irrigation District South Feather Water and Power Agency Thermalito Water &amp; Sewer District Western Canal Water District</p> <p><b>Calaveras</b> Calaveras County Water District Calaveras Public Utility District San Andreas Sanitary District Utica Water Power Authority</p> <p><b>Colusa</b> Colusa County Water District Knights Landing Ridge Drainage District Princeton-Codora-Glenn Irrigation District Reclamation District #1004 Reclamation District #108 Sacramento River West Side Levee District Sites Project Joint Powers Authority</p> <p><b>Contra Costa</b> Byron Bethany Irrigation District Contra Costa Water District Diablo Water District East Contra Costa Irrigation District</p> <p><b>El Dorado</b> El Dorado County Water Agency El Dorado Irrigation District Georgetown Divide PUD South Tahoe Public Utilities District</p> <p><b>Fresno</b> City of Fresno Consolidated Irrigation District Dudley Ridge Water District Firebaugh Canal Water District Free Water County Water District Fresno Irrigation District Fresno Metropolitan Flood Control District Fresno Slough Water District Friant North Authority James Irrigation District Kings River Water District Laguna Irrigation District Laton Community Service District Malaga County Water District McMullin Area Groundwater Sustainability Agency Mid-Valley Water District Orange Cove Irrigation District Pacheco Water District Panoche Drainage District Panoche Water District Pinedale County Water District Raisin City Water District Reclamation District #1606 Riverdale Irrigation District Root Creek Water District Sierra Cedars Community Services District Tranquility Irrigation District Westlands Water District</p> <p><b>Glenn</b> Glenn-Colusa Irrigation District Glide Water District Kanswha Water District Orland-Artois Water District Provident Irrigation District Reclamation District #2047 Tehama Colusa Canal Authority</p> <p><b>Humboldt</b> Humboldt Bay Harbor Rec. &amp; CD Humboldt Bay Municipal WD Humboldt CSD McKinleyville CSD</p> <p><b>Imperial</b> Bard Water District Imperial Irrigation District</p> <p><b>Inyo</b> Wheeler Crest CSD Sierra Highlands CSD</p> <p><b>Kern</b> Arvin-Edison Water Storage District Belridge Water Storage District Berrinda Mesa Water District</p>	<p>Boron Community Services District Buena Vista Water Storage District Cawelo Water District City of Tehachapi Delano-EarlMart ID Groundwater Sustainability Delano-EarlMart Irrigation District Frazier Park Public Utilities District Golden Hills CSD Greenfield County Water District Indian Wells Valley Water District Kern County Water Agency Kern Delta Water District Kern Tulare Water District Lost Hills Water District Mojave PUD North Kern WSD Rand Communities WD Rosamond CSD Rosedale-Rio Bravo WSD Semitropic WSD Shafter-Wasco ID Southern San Joaquin MUD Tehachapi-Cummings County WD West Kern WD Westside Water Authority Wheeler Ridge-Maricopa WSD</p> <p><b>Kings</b> Angiola Water District Atwell Island Water District Corcoran Irrigation District Deer Creek Storm Water District El Rico GSA Empire West Side Irrigation District Green Valley Water District Kings County Water District Lakeside Irrigation Water District Tri-County Water Authority Tulare Lake Basin WSD W.H. Wilbur Rec. District #825</p> <p><b>Lake</b> Clearlake Oaks County Water District Hidden Valley Lake Community Services District</p> <p><b>Los Angeles</b> Antelope Valley State Water Contractors Antelope Valley-East Kern WA Azusa Light &amp; Water Central Basin MWD Crescenta Valley Water District City of Compton City of Glendora-Water Division City of La Verne City of Long Beach Water Dept. Devils Den Water District Foothill Municipal Water District Glendale Water &amp; Power Kinneloa Irrigation District La Canada Irrigation District La Puente Valley County WD Las Virgenes Municipal WD Littlerock Creek Irrigation District Los Angeles County Waterworks Districts Los Angeles Dept. of Water Power Maln San Gabriel Basin Watermaster Metropolitan Water District of Southern California Orchard Dale Water District Palm Ranch Irrigation District Palmdale Water District Pasadena Water &amp; Power Pico Water District Pomona-Walnut-Rowland JWLC Puente Basin Water Agency Quartz Hill Water Districts Rowland Water District San Gabriel Basin Water Quality Authority San Gabriel County Water District San Gabriel Valley Municipal Water District Santa Clarita Valley Water Agency SCV Groundwater Sustainability Agency South Montebello Irrigation District Three Valleys Municipal WD Upper San Gabriel Valley MWD Upper Santa Clara Valley Joint Power Authority Valley County Water District Walnut Valley Water District Water Replenishment District of Southern California West Basin Municipal Water District</p> <p><b>Madera</b> Chowchilla Water District Gravelly Ford Water District Le Grand-Athlone Water District Madera County Water and Natural Resources</p>	<p>Madera Irrigation District Madera Water District Madera-Chowchilla Water and PA</p> <p><b>Marin</b> Bolinas Community PUD Marin Municipal Water District North Marin Water District Stinson Beach County Water District</p> <p><b>Mariposa</b> Mariposa Public Utilities District</p> <p><b>Mendocino</b> Brooktrails Township Community Services District Calpella County Water District Laytonville County Water District Mendocino County Russian River Flood Control &amp; Water Millview County Water District Redwood Valley County WD Upper Russian River Water Agency Willow County Water District</p> <p><b>Merced</b> Central California Irrigation District Delhi County Water District Eastside Water District East Turlock Subbasin Groundwater Sustainability Agency Grassland Water District Henry Miller Rec. District #2131 Le Grand Community Services District Merced Integrated Regional Water Management Authority Merced Irrigation District Planada Community Services District San Luis &amp; Delta-Mendota Water Authority San Luis Water District</p> <p><b>Mono</b> Mammoth Community WD</p> <p><b>Monterey</b> Aromas Water District Castroville Community Services District Marina Coast Water District Monterey One Water Monterey Peninsula Water Management District Pebble Beach Community Services District</p> <p><b>Napa</b> Circle Oaks County Water District</p> <p><b>Nevada</b> Nevada Irrigation District San Juan Ridge County WD Sierra Lakes County Water District Truckee Donner PUD</p> <p><b>Orange</b> City of Newport Beach City of Santa Ana City of Seal Beach East Orange County Water District El Toro Water District Irvine Ranch Water District La Habra Heights County Water District Laguna Beach County Water District Mesa Water District Moulton Niguel Water District MWD of Orange County Orange County Water District Santa Margarita Water District Santiago Aqueduct Commission Serrano Water District South Coast Water District Trabuco Canyon Water District West Orange County Water Board Yorba Linda Water District</p> <p><b>Placer</b> City of Roseville Midway Heights County WD Placer County Water Agency San Juan Water District Tahoe City Public Utilities District</p> <p><b>Riverside</b> Beaumont-Cherry Valley WD Benford-Coldwater Groundwater Sustainability Agency City of Corona Dept. of Water &amp; Power Coachella Valley Water District Coachella Water Authority Desert Water Agency Eastern Municipal Water District Elsinore Valley MWD Idyllwild Water District Indio Water Authority Jurupa Community Services District Lake Hemet Municipal WD</p>	<p>Mission Springs Water District Palo Verde Irrigation District Pinyon Pines County Water District Rancho California Water District Riverside County Flood Control &amp; Water Conservation District Riverside Public Utilities Salton Sea Authority San Geronimo Pass Water Agency Santa Ana Watershed Project Authority Santa Rosa Regional Resources Authority Western Municipal Water District</p> <p><b>Sacramento</b> American River Flood Control District Carmichael Water District Citrus Heights Water District City of Folsom City of Sacramento - Dept. of Utilities Del Paso Manor Water District Delta Conveyance Design and Construction Authority Elk Grove Water District, Dept. of FRCD Fair Oaks Water District North Delta Water Agency Omochumne-Hartnell WD Reclamation District #1000 Rio Linda/Elverta Community WD Sacramento County Water Agency Sacramento Suburban WD South Yuba Water District</p> <p><b>San Benito</b> City of San Juan Bautista San Benito County Water District Sunnyslope County Water District</p> <p><b>San Bernardino</b> Apple Valley Foothill County WD Apple Valley Heights County WD Big Bear City Community Services District Big Bear Municipal Water District Chino Basin Water Conservation District Chino Basin Watermaster City of Rialto/Rialto Utility Authority Crestline Village Water District Crestline-Lake Arrowhead WA Cucamonga Valley Water District East Valley Water District Hi-Desert Water District Inland Empire Utilities Agency Joshua Basin Water District Mariana Ranchos County WD Mojave Water Agency Monte Vista Water District San Bernardino Valley Municipal Water District San Bernardino Valley Water Conservation District Twenty-nine Palms Water District West Valley Water District</p> <p><b>San Diego</b> Borrego Water District Carlsbad Municipal Water District City of Escondido City of Oceanside-Water Utilities Dept. City of San Diego Public Utilities Fallbrook Public Utility District Helix Water District Lakeside Water District Majestic Pines Community Services District Olivenhain Municipal Water District Otay Water District Padre Dam Municipal Water District Rainbow Municipal Water District Ramona Municipal Water District Rincon del Diablo Municipal Water District San Diego County Water Authority San Dieguito Water District Santa Fe Irrigation District South Bay Irrigation District Sweetwater Authority Upper San Luis Rey RCD Vallecitos Water District Valley Center Municipal Water District Vista Irrigation District Wynola Water District Yuima Municipal Water District</p> <p><b>San Francisco</b> San Francisco Public Utility Commission</p> <p><b>San Joaquin</b> Banta-Carbonda Irrigation District</p>	<p>Central San Joaquin Water Conservation District Mountain House Community Services District North San Joaquin Water Conservation District Pescadero Reclamation District #2058 Reclamation District #2026 South San Joaquin Irrigation District Stockton East Water District The West Side Irrigation District Woodbridge Irrigation District</p> <p><b>San Mateo</b> Bay Area Water Supply &amp; Conservation Agency Coastside County Water District Mid-Peninsula Water District Montara Water &amp; Sanitary District North Coast County Water District San Francisco Creek Joint Powers Authority Westborough Water District</p> <p><b>Santa Barbara</b> Cachuma Operation and Maintenance Board Carpinteria Valley Water District Central Coast Water Authority City of Buellton City of Santa Barbara Goleta Water District Los Alamos Community Services District Mission Hills Community Services District Montecito Sanitation District Montecito Water District Santa Ynez River Water Conservation District Improvement District No. 1 Vandenberg Village Community Services District</p> <p><b>Santa Clara</b> City of Mountain View Purissima Hills Water District Valley Water</p> <p><b>Santa Cruz</b> Central Water District City of Santa Cruz Water Dept. City of Watsonville Water Department Pajaro Valley Water Management Agency Pajaro/Sunny Mesa Community Services District Scotts Valley Water District Soquel Creek Water District</p> <p><b>Shasta</b> Anderson-Cottonwood ID Bella Vista Water District Centerville Community Services District City of Redding Water Utility City of Shasta Lake Clear Creek Community Services District Cottonwood Water District Fall River Valley Community Services District Mountain Gate Community Services District Rio Alto Water District Shasta Community Services District Shasta County Water Agency</p> <p><b>Sierra</b> Sierra County WWD #1</p> <p><b>Siskiyou</b> Montage Water Conservation District Scott Valley Irrigation District Tulelake Irrigation District</p> <p><b>Solano</b> City of Fairfield City of Vacaville, Utilities Department City of Vallejo Maine Prairie Water District Reclamation District #2068 Rural North Vacaville Water District Solano County Water Agency Solano Irrigation District Suisun-Solano Water Authority</p> <p><b>Sonoma</b> Bodega Bay PUD City of Santa Rosa - Water Dept. Forestville Water District Sonoma Mountain County WD Sonoma Valley Groundwater Sustainability Agency Sonoma Water Valley of the Moon Water District</p>	<p><b>Stanislaus</b> City of Modesto, Utilities Department Del Puerto Water District Lake Don Pedro Community Services District Modesto Irrigation District Oakdale Irrigation District Patterson Irrigation District Stanislaus Regional Water Authority Turlock Irrigation District West Stanislaus Irrigation District</p> <p><b>Sutter</b> Brophy Water District Feather Water District Reclamation District #1500 South Sutter Water District Sutter Extension Water District Tehama Corning Water District</p> <p><b>Trinity</b> Weaverville Community Services District</p> <p><b>Tulare</b> Alpaugh Community Services District Alpaugh Irrigation District Alta Irrigation District County of Tulare, County Administration Office Deer Creek &amp; Tule River Authority Eastern Tule GSA JPA Exeter Irrigation District Friant Power Authority Friant Water Authority Ivanhoe Irrigation District Ivanhoe Public Utilities District Kaweah Delta Water Conservation District Kaweah River Power Authority Kings River East Groundwater Sustainability Agency Kings River Water District Lindsay-Strathmore Irrigation District Lower Tule River Irrigation District Lower Tule River Irrigation District GSA Mid-Kaweah Groundwater Sustainability Agency Orosi Public Utilities District Pikley Irrigation District GSA Porterville Irrigation District Saucelito Irrigation District South Valley Water Association South Valley Water Banking Authority St. Johns Water District Stone Corral Irrigation District Terra Bella Irrigation District Tri-Valley Water District Tulare Irrigation District</p> <p><b>Tuolumne</b> Tri-Dam Project Tuolumne County Water Agency Tuolumne Utilities District</p> <p><b>Ventura</b> Arroyo Santa Rosa GSA Calleguas Municipal Water District Camrosa Water District Casitas Municipal Water District Channel Islands Beach Community Services District County of Ventura Public Works Pleasant Valley County Water District Triunfo Water &amp; Sanitation District United Water Conservation District Ventura County, Public Works Ventura River Water District Ventura Water, City of Ventura</p> <p><b>Yolo</b> Dunnigan Water District Reclamation District #2035 Reclamation District #307 Reclamation District #744 Reclamation District #999 Woodland Davis Clean Water Agency Yolo County Flood Control and Water Conservation District</p> <p><b>Yuba</b> Browns Valley Irrigation District Camp Far West Irrigation District Cordova Irrigation District North Yuba Water District Ramirez Water District Yuba County Water Agency</p>
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## ACWA Region 1 Board 2020-2021 Term

### *Chair:*

**Brad Sherwood, Sonoma Water**  
404 Aviation Blvd.  
Santa Rosa, CA 95403  
Agency Phone: 707.547.1927  
Direct Phone: 707.322.8192  
Email: [brad.sherwood@scwa.ca.gov](mailto:brad.sherwood@scwa.ca.gov)  
Position: Community & Government Affairs Manager

### *Vice Chair:*

**Jennifer Burke, City of Santa Rosa**  
69 Stony Circle  
Santa Rosa, CA 95401  
Agency Phone: 707.543-4200  
Direct Phone: 707.543.3359  
Email: [jburke@srcity.org](mailto:jburke@srcity.org)  
Position: Water Director – City of Santa Rosa Water Department

### *Board Members:*

**Tamara Alaniz, Brooktrails Township Community Services District**  
24860 Birch Street  
Wilits, CA 95490  
Agency Phone: 707.459.2494  
Direct Phone: 707.459.2273  
Email: [tamaraa@btcsd.org](mailto:tamaraa@btcsd.org)  
Position: General Manager

**Dennis Mayo, McKinleyville Community Services District**  
1656 Sutter Road  
McKinleyville, CA 95519  
Agency Phone: 707.839.3251  
Email: [caveboy\\_m@yahoo.com](mailto:caveboy_m@yahoo.com)  
CC Email: [asousa@mckinleyvillecsd.com](mailto:asousa@mckinleyvillecsd.com)  
Position: Director

**J. Bruce Rupp, Humboldt Bay Municipal Water District**  
828 7<sup>th</sup> Street  
Eureka, CA 95501  
Agency Phone: 707.443.5018  
Email: [rupp@hbmwd.com](mailto:rupp@hbmwd.com)  
Position: Director

VACANT

VACANT

# *ACWA Coalition Letter*

**November 24, 2020**

The Honorable Nancy Pelosi  
Speaker  
United States House of Representatives  
Washington, D.C. 20515

The Honorable Mitch McConnell  
Majority Leader  
United States Senate  
Washington, D.C. 20515

The Honorable Charles E. Schumer  
Democratic Leader  
United States Senate  
Washington, D.C. 20515

The Honorable Kevin McCarthy  
Republican Leader  
United States House of Representatives  
Washington, D.C. 20515

## **RE: Coalition Request to Advance Wildfire Legislation**

Dear Speaker Pelosi, Majority Leader McConnell, Leader Schumer and Leader McCarthy:

On behalf of national, state, and local government entities responsible for delivering sustainable water supply and renewable hydropower for millions of citizens and local economies throughout the Western U.S, we write to request your leadership in passing critical forest health legislation to protect communities and the environment from the devastating impacts of wildfire.

As of November 13, the National Interagency Fire Center reported that 49,815 wildfires burned 8,750,197 acres this year in the Western states. This is approximately 2.2 million acres more than the 10-year average for acres burned. National Forest lands are the largest single source of water in the U.S. and in some regions of the West contribute nearly 50% of the overall water supply that supports families, farms, cities, industries, and the economy. The unhealthy state of these forests, which contain some of the nation's most valuable watersheds, increases the threat of catastrophic wildfires.

During the remaining weeks of the 116<sup>th</sup> Congress, we urge your support to enact bipartisan legislation that collectively supports collaborative forest management practices, safeguards communities and critical infrastructure, streamlines review process, and improves forest and watershed health. The combined threat from high-intensity wildfire, drought and extreme weather conditions, and pests and disease has amplified already volatile forest conditions that threaten the environment and our communities in the West.

Several bipartisan bills pending before Congress would provide substantial assistance to enhance forest management and protect communities through a series of activities to advance prevention, preparedness, suppression, and postfire site rehabilitation. The undersigned entities write to urge prompt consideration of legislation to accomplish these important objectives in Western States.

If you require any further information, please do not hesitate to contact David Reynolds with the Association of California Water Agencies at [dlreyns@sso.org](mailto:dlreyns@sso.org) or Ian Lyle with the National Water Resources Association at [ilyle@nwra.org](mailto:ilyle@nwra.org).

Sincerely,

Association of California Water Agencies  
National Water Resources Association  
National Association of Counties  
Family Farm Alliance  
California State Association of Counties  
Western Interstate Region of National  
Association of Counties  
National Forest Counties and Schools  
Coalition  
National Rural Electric Cooperative  
Association  
Rural County Representatives of  
California  
Alaska Municipal League  
Agribusiness and Water Council of  
Arizona  
Salt River Project  
South Tahoe Public Utility District  
Placer County Water Agency  
Coconino County, Arizona

Eagle County, Colorado  
Fresno County, California  
Idaho County, Idaho  
Kern County, California  
Mono County, California  
Tulare County, California  
Malheur County, Oregon  
Madison County, Montana  
Elko County, Nevada  
Iron County, Utah  
Dr. Gina Nikkel, Executive Director,  
Association of Oregon Counties  
Commissioner Donna Beverage, Union  
County, Oregon  
Commissioner Greg Chilcott, Ravalli  
County, Montana  
Supervisor Woody Cline, Gila County,  
Arizona  
Commissioner Clint Farlee, Ziebach  
County, South Dakota

CC:

Senator Dianne Feinstein  
Senator Kamala Harris  
Senator Steve Daines  
Representative Jared Huffman  
Representative Doug LaMalfa  
Representative Tom McClintock  
Representative Bruce Westerman  
Representative Jimmy Panetta  
California Congressional Delegation



YOUR BEST PROTECTION

## EMPLOYEE BENEFITS PROGRAM COMMITTEE MEETING

### AGENDA

JPIA Executive Conference Room  
2100 Professional Drive, Roseville, CA 95661  
(800) 231-5742 - [WWW.ACWAJPIA.COM](http://WWW.ACWAJPIA.COM)

**Tuesday, November 17, 2020 1:00 p.m.**

**Zoom meeting information: 810 8947 3944; Password: 569656; Phone (669) 900-6833**

This meeting shall consist of a simultaneous Zoom teleconference call at the ACWA JPIA, 2100 Professional Drive, Roseville, CA 95661 and remote sites.

### **WELCOME**

### **CALL TO ORDER AND ANNOUNCEMENT OF QUORUM**

**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 Employee Benefits Program Committee on any agenda item prior to the Committee'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.

### **INTRODUCTIONS**

Presenter

Page#

Sells \* I. Review and possibly take action on San Luis-Delta Mendota. 1

Rupp \* II. Discuss next meeting date.

### **ADJOURN**

\*Related items enclosed.

**Americans with Disabilities Act** – The 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 to the CEO, ACWA JPIA, PO 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's Employee Benefits Program Committee 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.



# SPLASH ALERT



## H.R. LaBounty Safety Award Winners—Fall 2020

The H.R. LaBounty Safety Awards Program recognizes JPIA members in the Liability, Property, and Workers' Compensation coverage programs, who implement results-oriented activities that increase employees' safety program participation and seek continuous improvement in their safety programs. During the Fall 2020 selection period, 20 member agencies were recognized for their efforts to improve safety and reduce accidents in the workplace.

The award program is designed for all JPIA members as a way to promote risk reduction "best practices", including those in the JPIA's Commitment to Excellence (C2E) Program. Special attention has been placed on the following loss categories: *vehicle operations, ergonomics, construction activities, infrastructure, wildfire prevention, and employment practices.*

The following are highlights from 20 members that received recognition for applying the Hierarchy of Controls to eliminate or reduce exposure to hazards.

**Santa Fe Irrigation District** has critical flow meters housed in underground vaults at its treatment plant. While maintaining these flow meters requires minimal time, to do it safely staff had to follow its full permit confined space entry and fall protection procedures. James Gingrich and Jason Nunez in the electrical/maintenance department eliminated confined space entry hazards by installing flow meters on railings outside of the vaults. By physically removing the hazard, staff can perform maintenance on the flow meters without entering the vaults.

**Oakdale Irrigation District's Safety Committee** worked on reviewing and improving three safety and health plans. On their district-specific Heat Illness Prevention Plan for shop personnel, the Safety Committee conducted several facility safety inspections that included monitoring the internal and external temperatures of the OID shop and maintenance areas. At a few shop locations, the OID Safety Committee monitored the work area temperatures then researched engineering controls to cool specific work environments. Gabriel Santos, Nicole Fiez, Robert Becker, Vince Vella, Matt Wann, and Danny Jones (OID Safety Committee Members), worked together to establish a purchasing plan that included purchasing three large porta cooler fans that effectively reduced the internal temperature of the OID shop and maintenance areas by nearly 20 degrees. The updated written program was approved in April 2020.

Select nominations and the names of all award recipients are posted on the [JPIA's H.R. LaBounty Safety Awards webpage](#).

Congratulations to those member employees who received an award, and to their Agencies for recognizing the benefits of participating in this JPIA program.



# H.R. LaBounty Safety Award Winners—Fall 2020



**Tony Hinchcliffe, El Dorado Irrigation District**

**Anivey Casanada, Elsinore Valley Municipal Water District**

**Ruben Murillo, Elsinore Valley Municipal Water District**

**Humboldt Bay MWD Staff, Humboldt Bay Municipal Water District**

**Richard Gavilanes, Littlerock Creek Irrigation District**

**Alex Garcia, Mesa Water District**

**Oakdale ID Safety Committee, Oakdale Irrigation District**

**Randy Robertson, Ramona Municipal Water District**

**Tim Savage, Ramona Municipal Water District**

**James Gingrich, Santa Fe Irrigation District**

**Jason Nunez, Santa Fe Irrigation District**

**Ryan Sonnenberg, Three Valleys Municipal Water District**

**Wayne Fox, Tulare Irrigation District**

**Kyle Schilling, Vista Irrigation District**

**Lisa Lea, West Stanislaus Irrigation District**

**Clinton McCleskey, West Stanislaus Irrigation District**

**Tom Hunt, Walnut Valley Water District**

**Tom Monk, Walnut Valley Water District**

**Chase Sexton, Western Municipal Water District**

**Chris Mendez, Western Municipal Water District**

**Tom Getman, Western Municipal Water District**

**James Chatwin, Western Municipal Water District**

**Joel Bravo, Western Municipal Water District**

**Michelle Marquez, Western Municipal Water District**

**Phillip Moothart, Western Municipal Water District**

**Alex Boesch, Yuba Water Agency**



# H.R. LaBounty Safety Awards Nomination Form

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## **Nomination Deadlines:**

**Spring Awards: February 1, 2020**

**Fall Awards: September 1, 2020**

**Agency:** Humboldt Bay Municipal Water District

**Project/Initiative Title:** Personnel Accountability Locator Board Establishment

Implementation Date: 4/12/2019

Cost to Implement: \$30.00 for materials

Staff Time Required: 8hrs

Number of Employees/Facilities Impacted: 22 Employees/Multiple facilities

## **Employee/Department/Committee Nominated:**

Name(s): HBMWD Staff

Job Title/Department: Operations & Maintenance Staff

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## Nomination Summary

*Write a brief summary of your project/initiative. Clearly state the problem/hazard recognized by the nominee and the specific reasons that they initiated corrective action.*

While conducting a District SB-198 Safety Committee meeting, a suggestion was made to establish a more visible way of knowing where staff members are when they are performing more "high risk" jobs in the field at remote locations. Members agreed that an employee location tracking system would improve worker safety as many work areas within the District have limited cell phone service and/or radio communication. In the past, staff work locations and assigned tasks were communicated by word of mouth or recorded in a log book. The PAL (Personnel Accountability Locator) board is a simple dry erase board that shares who is working remotely, their start work time, estimated return time, and location. It is mounted in a highly traveled area to ensure maximum visibility for everyone to see throughout their work day or shift. A standard operating procedure of how the board shall be used and what applications are relevant for its use were created by the Safety Committee and supervisors.

*Describe the specific actions taken to resolve the problem(s) or challenge(s). Share the best practices that made this initiative successful for the agency and its impact.*

The action taken was to create a more effective and efficient method of tracking staff member's locations that would be highly visible to everyone working onsite. This was done by open discussion through various safety meetings and staff sharing ideas of current and past remote work location experiences. Since inception, I believe the PAL Board has been a huge success in eliminating confusion of staff work locations. Staff members use it constantly to keep others apprised of what they are doing and where they are working. Consequently, it has also made us more efficient. If there is any doubt or question of the location of an employee during the work day, the PAL Board is consulted and the relevant information on it. This is a dramatic safety improvement to safeguard employees.

*State whether the hazard was reduced with engineering controls, introduced a new administrative or work procedure, or relied on personal protective equipment to solve the problem.*

The development of this board and work procedure has created a safety awareness among staff of people working in potential dangerous situations and/or locations. Knowing these details, I believe possible hazards have and will be avoided through the utilization of this board.

*Describe any extraordinary circumstances that made this nominee's safety accomplishments significant. Describe whether the nominee influenced safety in the workplace, encouraged employee participation in safety efforts, obtained organizational "buy in" to implement the solution.*

There is not a specific nominee to be recognized with this submittal. I recommend the SB-198 Safety Committee and the HBMWD staff deserve credit for their efforts in establishing the PAL Board and implementing it on a daily basis.

*Describe whether the project/initiative addressed a hazard or exposure included in the JPIA Commitment to Excellence Program.*

This initiative does address hazard communications under construction safety in the JPIA Commitment to Excellence Program.

- Office/Field Ergonomics
- Vehicle Operations
- Slip/trip/falls – falls from heights
- Other: Communications

*List and attach any supporting materials that you feel are important for the reviewers to gain a complete picture of the nomination. Digital photos, supporting documentation, sample forms, etc.*

See attached photos and standard operating procedure

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**Nominated by:** Chris Merz

**Date:** 8/31/20

**General Manager:** John Friedenbach

**Date:** 8/31/20

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Please email this form with supporting documents and digital photos (jpg) to [tlofing@acwaipia.com](mailto:tlofing@acwaipia.com).

<b>Humboldt Bay Municipal Water District</b>		<b>Revision Number</b>	1	<b>Revision Date</b>	4/12/2019
<b>Standard Operating Procedure</b>	<b>Location</b>	<b>Revised by</b>	WW	<b>Revision Approval</b>	MP
<b>Subject: PAL Board</b>		<b>Revision Description</b>	<b>Procedure</b>		Page 1 of 1

## **Personnel Accountability Locator PAL Board**

A magnetic white board located in the Essex Control Room is used to track workers who need to be accounted for while working in certain higher risk situations.

Examples include

- Accessing Ranney Collectors
- Accessing reservoir tops and other fall protection required sites
- Driving to Ruth Hydro or other remote assignments
- Attending confined space operations
- Solo bucket truck operations
- Other tasks where personnel safety monitoring is advisable

In advance of beginning any of these activities personnel should check in at the Essex control room noting name, time, location of work and estimated return time on the PAL Board.

When accessing a pump station a district radio or a cell phone should be carried at all times.

If a worker receives an assignment while in a remote location or discovers the need to perform work under conditions that may require reporting, they can call the on duty operator to put them on the PAL Board.

If a person forgets to sign out they may likewise notify the operator to remove them from the board.

If someone's name remains on the board after the estimated return time the operator will attempt to contact them, failing to do so the duty operator will then contact supervision.



**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**

**November 19, 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 October 22, 2020, Regular Board Meeting

**3.2** Approve Disbursements Report.

**3.3** Accept Financial Reports.

**3.4** Accept Staff Report on Adjusted RCEA Power Generation Rates, Maintaining the Previously Approved 1% Discount Relative to PG&E's Generation Rates, Effective October 15, 2020.

**3.5** Approve Selection of Aiqueous to Provide Database Development and Operation Services to RCEA for an Amount Not to Exceed \$250,000 Through June 2023, and Authorize the Executive Director to Prepare and Execute a Professional Services Agreement with Aiqueous for These Services, and All Applicable Documents, Including Contract Extension Provisions.

### **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** COVID Load Impact Analysis Report by HSU Consultants (Information only)

### **6. NEW CCE BUSINESS – None.**

### **END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS**

### **7. OLD BUSINESS**

**7.1** DG Fairhaven Power Purchase Agreement Expiration

Provide staff with guidance on whether or how to replace the renewable energy attributes associated with the expiring DG Fairhaven power purchase agreement.

## 8. NEW BUSINESS

### 8.1 2021 Community Choice Energy Program Budget Outlook and Options

Direct staff to reduce procurement of renewable and carbon-free power to as low as minimum compliance levels and reduce the customer rate discount to as little as 0.5% below PG&E rates, with final reduction amounts to be determined once complete 2021 PG&E rate forecasts are available.

### 8.2 Long-Duration Storage Procurement, "Super JPA" Formation, and Creation of Ad Hoc Review Committee

Create an ad hoc committee for long-duration storage procurement review of up three Board members to serve on this committee until December 31, 2021, or until all contracts to which RCEA is a party resulting from the associated joint request for offers are executed, whichever comes first.

## 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. CLOSED SESSION

11.1 CONFERENCE WITH REAL PROPERTY NEGOTIATIONS Pursuant to Government Code § 54956.8 in re: APNs 001-104-001-000, 001-114-006-000, 003-062-027-000, and 001-011-021-000; RCEA negotiator: Executive Director; Owner's negotiating party: Kramer Investment Corporation, Coldwell Banker Pacific Partners, and the City of Eureka; Under negotiation: price and terms.

11.2 Public Employee Performance Evaluation, pursuant to Government Code Section 54957(b)(1): Executive Director.

## 12. RECONVENE TO OPEN SESSION

## 13. CLOSED SESSION REPORT

## 14. ADJOURNMENT

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### NEXT REGULAR MEETING

Thursday, December 17, 2020, 3:30 p.m.

In accordance with Executive Order N-29-20

the RCEA Board of Directors meetings will be held virtually until further notice.



**Redwood Region Economic Development Commission**

## **RREDC Board of Directors**

*Meets the 4th Monday of the Month at 6:30 pm at the Prosperity Center, 520 E Street, Eureka.*

RREDC has nineteen members and is governed by a Board of Directors of elected officials appointed by member agencies.

- City of Arcata – Brett Watson
- City of Blue Lake – Summer Daugherty
- City of Eureka – Leslie Castellano
- City of Ferndale – tbd
- City of Fortuna – Sue Long
- City of Rio Dell – Gordon Johnson
- City of Trinidad – Steven Ladwig
- County of Humboldt – Mike Wilson
- Hoopa Valley Tribe – no member appointed
- Humboldt Bay Harbor, Recreation, & Conservation District – Greg Dale
- Humboldt Bay Municipal Water District – Neal Latt
- Humboldt Community Services District – David Saunderson
- Manila Community Services District – Danielle Muniz
- McKinleyville Community Services District – Dennis Mayo
- Orick Community Services District – no member appointed
- Orleans Community Services District – no member appointed
- Redway Community Services District – Michael McKaskle
- Redwoods Community College District – Danny Kelley
- Willow Creek Community Services District – Ed Duggan

## **Current Board of Directors**

[November 23, 2020 Board Meeting Cancelled](#)