

Humboldt Bay Municipal Water District 828 7th Street, Eureka



Agenda for Regular Meeting of the Board of Directors

November 9, 2023

Meeting Start Time: 9:00 AM

District Mission

Reliably deliver high-quality drinking water to the communities and customers we serve in the greater Humboldt Bay Area at a reasonable cost. Reliably deliver untreated water to our wholesale industrial customer(s) at a reasonable cost. Protect the long-term water supply and water quality interests of the District in the Mad River watershed.

Members of the public may join the meeting online at:
<https://us02web.zoom.us/j/86710296323?pwd=MjZldGxRa08wZ0FWOHJrUjNhZnFLQT09>
Or participate by phone: 1-669-900-9128 Enter meeting ID: 867 1029 6323 Enter password: 484138
 If you are participating via phone and would like to comment, please press *9 to raise your hand.

How to Submit Public Comment: Members of the public may provide public comments via email until 5 p.m. the day before the Board Meeting by sending comments to office@hbmwd.com. Email comments must identify the agenda item in the email's subject line. Written comments may also be mailed to 828 7th Street, Eureka, CA 95501. Written comments should identify the agenda item number. Comments may also be made in person at the meeting.

Announcement recording of meeting: This meeting may be recorded to assist in the preparation of minutes. Recordings will only be kept 30 days following the meeting, as mandated by the California Brown Act.

Time Set Items:

8.2 Continuing Business	McNamara & Peepe	9:15 AM
9a New Business	Foster Clean Power	9:30 AM
9b New Business	NOP, receive public comment	10:00 AM
10.1 Engineering	Engineering	11:00 AM

The Board will take a scheduled lunch break from 12:00 pm to 1:30 pm.

1. ROLL CALL

2. FLAG SALUTE

3. ACCEPT AGENDA

4. PUBLIC COMMENT

Members of the public are invited to address the Board on items not listed on the agenda that are within the scope and jurisdiction of the District. At the discretion of the President, comments may be limited to three minutes per person. The public will be allowed to address items on the agenda when the Board takes up that item. Under the Brown Act, the Board may not take action on any item that does not appear on the agenda.

5. MINUTES

October 12, 2023, Regular Board Meeting Minutes*- discuss and possibly approve

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6. CONSENT AGENDA *-These matters are routine in nature and are usually approved by a combined single vote unless an item is pulled for discussion

Media articles of local/water interest (Articles a-c)*- discuss and possibly approve

7. CORRESPONDENCE

- a. Eureka Chamber of Commerce 2024 Awards Gala*-discuss

8. CONTINUING BUSINESS

8.1 Water Resource Planning– Status report on water use options under consideration*-discuss

- a. Local Sales
 - i. Nordic Aquafarms*-discuss
 - ii. Trinidad Rancheria Mainline Extension-discuss
 - iii. Blue Lake Rancheria Mainline Extension-discuss
 - iv. Offshore Wind Heavy Lift Multipurpose Marine Terminal Project-discuss
- b. Transport-discuss
- c. Instream Flow-discuss

8.2 McNamara & Peepe (Time Set 9:15 am)

- a. DTSC Monthly Summary Report, October*- discuss
- b. DTSC Quarterly virtual update – October 24*- discuss
- c. Site maps & historical sampling results (stormwater and well water)*-reference

9. NEW BUSINESS

- a. Foster Clean Power LLC License Agreement*-discuss and possibly approve
(Time Set 9:30 am)
- b. NOP Public hearing *- receive public comment **(Time Set 10:00 am)**

10. REPORTS (from STAFF)

10.1 Engineering – (Time set 11:00 am)

- a. Collector 2 Rehabilitation Project*-status report
- b. Essex Onsite Sodium Hypochlorite Generation-status report
- c. TRF Generator-status report
- d. Collector Mainline Redundancy Project
 - i. Match Commitment letter*-discuss and possibly approve
 - ii. Collector Mainline extension project*-discuss
- e. Reservoirs Seismic Retrofit Project-Status report
 - i. GHD Scope of Services for phase 2*-discuss and possibly approve
- f. Status report re: other engineering work in progress

10.2 Financial

- a. October 2023 Financial Statement & Vendor Detail Report*-discuss and possibly approve
- b. October 2023 Fieldbrook-Glendale contract revenue and Expense Summary*-discuss

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10.3 Operations

- a. October Operations Report*-discuss
- b. Surplus equipment request*-discuss and possibly approve

10.4 Management

- a. District org chart*-discuss
- b. State of California Dam safety report*-discuss
- c. Nominees for 2024 Eureka Chamber Board of Directors*-discuss
- d. ACWA Headwaters working group*-discuss

11. DIRECTOR REPORTS & DISCUSSION

11.1 General – comments or reports from Directors

11.2 ACWA

Director Report, if any

11.3 ACWA – JPIA

Director Report, if any

11.4 Organizations on which HBMWD Serves

- a. RCEA*– report out
- b. RREDC*– report out

ADJOURNMENT

ADA compliance statement: In compliance with the Americans with Disability Act, if you need special assistance to participate in this meeting, please contact the District office at (707) 443-5018. Notification 48 hours prior to the meeting will enable the District to make reasonable arrangements to ensure accessibility to this meeting. (Posted and mailed November 3, 2023.)



HUMBOLDT BAY MUNICIPAL WATER DISTRICT

Board of Directors Meeting

November 9, 2023



**Ruth Lake
Photo by Darcey Quinn**

MINUTES

Humboldt Bay Municipal Water
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ROLL CALL

President Latt 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 and acting Board Secretary Sherrie Sobol were present. District Engineer Nathan Stevens was present for a portion of the meeting.

1. FLAG SALUTE

President Latt led the flag salute.

2. ACCEPT AGENDA

On motion by Director Latt, seconded by Director Woo, the Board voted 5-0 to accept the agenda.

3. PUBLIC COMMENT

No public comment was received.

4. MINUTES

a. September 14, 2023, Regular Board Meeting Minutes

The Board requested a few changes to help clarify the minutes. On motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 to approve the minutes as amended.

b. September 22, 2023, Special Joint Board Meeting with Ruth Lake CSD

The Board requested two grammatical changes. On motion by Director Rupp, seconded by Director Woo, the Board voted 5-0 to approve the minutes as amended.

5. CONSENT AGENDA

Director Fuller requested Item B "California water rights verification bill, SB 389, passes Senate and advances to Governor's Desk" be pulled. On motion by Director Lindberg, seconded by Director Woo, the Board voted 5-0 to approve the Consent Agenda, less Item B.

Director Fuller stated she was disappointed to see the District's name listed in opposition to the bill. She believed the bill did not have a direct nexus to the District. The District has its water rights regulated under the current system. President Latt noted that ACWA sends out action alerts when they have a position on a bill. He stated that McKinleyville CSD also signed in opposition and that their board member Dennis Mayo, serves on the ACWA Board. Director Fuller stated it's not a huge issue and that Mr. Friedenbach is doing his best, especially when there is no time to bring an item to the Board. A brief discussion was held regarding revisiting parameters /guidelines or forming a Board Legislative Committee for supporting or opposing legislative issues. It was also suggested that the Regulatory Analyst II take the lead on legislative issues. On motion by Director Fuller, seconded by Director Woo, the Board voted 5-0 to approve Consent Item B.

6. CORRESPONDENCE

a. HBMWD letter RE: Emergency Action Plan (EAP) tabletop and functional exercises

The Federal Energy Regulatory Commission (FERC) previously requested notification of the date of the District's EAP tabletop and functional exercise. Mr. Friedenbach shared the letter he sent to (FERC) conveying the date of September 27, 2024 and requesting attendance by FERC staff.

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- b. HBMWD letter RE: Grant agreement number WC-1739BC extension request
Staff requested an extension due to unforeseen delays in completing tasks under the Work Plan for the grant agreement. The extension has been approved through March 31, 2024. Mr. Friedenbach noted this was an extremely quick turn-around since the request was submitted on September 18 and approved on September 19.
 - c. HBMWD letter RE: Amendment NO.2 to grant agreement WC-1739BC
This letter was the approval of extension as noted above.
 - d. Letter from Cal OES: Notice of Power Resiliency Grant completion
Mr. Friedenbach shared the letter from CalOES congratulating the District on completion of the grant program. The grant received was for \$215,000 which covered 74% of the costs for the 12kV interface to the backup generator. Director Woo stated the District has great consulting engineers who play a huge role in the District receiving grants. Director Fuller concurred.
 - e. Email from Eureka Chamber of Commerce RE: Nominations for 2024 Chamber Board
The Eureka Chamber of Commerce is currently accepting applications for their 2024 Board. Mr. Friedenbach inquired if any of the Directors were interested in applying. No one expressed interest.

7. CONTINUING BUSINESS

7.1 Water Resource Planning

- a. Local Sales
 - i. Nordic Aquafarms
The North Coast Regional Water Quality Control Board approved a NPDES permit for Nordic Aquafarms for the discharge of wastewater.
 - ii. Trinidad Rancheria Mainline Extension
No update was received.
 - iii. Blue Lake Rancheria Mainline Extension
The project is moving forward. An RFP for engineering services was published.
 - iv. Offshore Wind Heavy Lift Multipurpose Marine Terminal Project
No update was received. It was noted that Larry Oetker, current GM of Humboldt Bay Harbor and Recreation & Conservation District, will be retiring soon. The Directors stated it is important to keep the lines of communication open with their new GM.
- b. Transport
No update was available.
- c. Instream Flow
Director Woo provided a presentation to the CalPoly Engineering Department about the District's Instream Flow (ISF) dedication and District in general. The students were very interested. About 20% of the questions were directly related to ISF and 80% were more about the District in general. They were very interested in the operations of the District and distribution of water.

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The draft Section 1707 Petition for Change was submitted to the Water Board staff for their draft review. The District received a comment letter from NMFS in response to the District's Petition for Change. The Instream Flow Committee met to discuss the issues raised by NMFS. The Committee shared that the letter clearly shows that NMFS staff does not understand that our Section 1707 Petition for Change does not propose changing District operations. NMFS staff seems to believe that the amount proposed for instream flow dedication is in *addition* to current operations, which is not correct. It was stated that there have been numerous face-to-face meetings with NMFS staff that should have been effective at communicating what the Section 1707 Petition for Change is about. This will now be communicated to NMFS in writing and it will hopefully help them understand correctly that there will be no change in our current operations. Director Fuller stated she believes that the SWRCB will understand, even though NMFS does not. President Latt stated the District needs to clarify that our 1707 Petition for Change is not about augmentation, but rather codification of our current operations. Director Woo stated that the District was asked to participate and provide a presentation at the upcoming Humboldt Bay Symposium and this would be a good opportunity to do this.

7.2 McNamara & Peepe

Director Woo recused herself due to a conflict of interest and left the room. She returned when discussion ended.

a. DTSC Monthly Summary Report, September

Mr. Friedenbach discussed the monthly report. A summary of activities and results for the 2023 site investigation was submitted by SHN. This is for work done from June -August 2023. The final work plan should be available on the Envirositor website, however, he has not yet seen it. The contract with SHN will expire in December 2023. DTSC is preparing a contract renewal to extend activities with SHN. The Board concurred it is very frustrating to wait so long for results to be shared.

b. DTSC Quarterly virtual update – October 24th at 10:00 a.m.

President Latt inquired if the District had any concerns, other than timeliness of reports, to raise at the virtual meeting. It was requested that DTSC explain the reasoning on where the water samples were taken, especially given some new information that was recently received on where chemicals may have been disposed on the site.

c. Site maps & historical sampling results (stormwater and well water)

The maps are included for reference only.

7.3 Annie & Mary Trail- Temporary Occupancy Exception Letter

The City of Arcata continues to advance the NEPA environmental studies required for the Annie & Mary Trail project. One component of the NEPA process is Section 4(f), consideration of potential project impacts on public property in the project area. Since the trail project will impact HBMWD's Park 1 temporarily, the Temporary Occupancy Exception Letter is required. Fortunately, there will not be any major impacts to Park 1 and the paving of the parking lot and access road will be improvements to District facilities. Staff requested the Board authorize the General Manager to sign

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and submit to Caltrans the letter regarding Section 4(f) Finding for the Annie and Mary Trail Project noting that the project would not adversely affect a publicly owned park and use of the property would not result in a Section 4(f) use per the temporary occupancy exception. On motion by Director Fuller, seconded by Director Woo, the Board voted 5-0 to authorize the General Manager to sign and submit the Caltrans letter.

8. NEW BUSINESS

a. DRAFT Workplace Bullying Policy

Last month, staff presented Chapter 1 of the proposed revisions of the Employee Handbook for edits and input. Directors noted the lack of a bullying policy. Ms. Harris reached out to ACWA JPIA, for guidance and was provided a Workplace Bullying Policy that they are taking to their board. She shared the draft policy on Workplace Bullying and requested Director input and edits. The Directors concurred it was well done. On motion by Director Rupp, seconded by Director Lindberg the Board voted 5-0 to approve the draft Workplace Bullying Policy.

b. Employee Handbook chapter 2

Based on feedback from the September Board meeting, staff has provided *Section 1005-Equal Employment Opportunity* from Chapter 1 of the Employee Handbook for additional review with the suggested changes/edits in red. The Board concurred to remove the first sentence in red. Chapter 2 was also provided for Director review and input. Several changes were suggested and Ms. Harris stated she will bring back Chapter 2 with the suggested edits for review.

c. Policy for Disposing of Removed stumps at Ruth Lake District property

At the District's Joint Board meeting with Ruth Lake CSD, the topic of tree stump disposal was raised. Mr. Friedenbach shared the proposed modification to add three options for stump disposal, all at the sole cost and expense of the Lease Lot holder. The options are: 1. Burning on Lease Lot from which it was removed; 2. Burning on HBMWD Buffer Strip at a location determined by HBMWD; and 3. Disposal off HBMWD property in accordance with Federal, State and Local waste disposal laws and regulations. If the Board approves this, the current tree removal policy will be updated. On motion by Director Lindberg, seconded by Director Rupp, the Board voted 5-0 to approve the proposed modification regarding tree stump disposal and update the policy for tree removal.

9. REPORTS (from STAFF)

9.1 Engineering

a. Samoa Peninsula Waterline right-of-way maintenance project

i. NOP Staff Memo

Staff has contracted with GHD to prepare an Environmental Impact Report (EIR) to obtain environmental clearance and permits for the Samoa Peninsula Waterline Right-of-Way Maintenance Project. One of the first steps in the EIR process is to prepare a Notice of Preparation (NOP). Part of the process for the NOP is to conduct a public scoping meeting to receive comments from the public. The draft NOP was shared with the Directors for their initial review.

ii. Draft Notice of Preparation (NOP)

Kerry McNamee of GHD provided an overview of the NOP. The NOP is the first step

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of the EIR. The NOP is filed with the County and provides an opportunity for public feedback. The purpose is to engage the public and appropriate agencies during the 30-day comment period. This is a time to receive public comment, not to answer all comments and questions.

b. Collector 2 Rehabilitation Project

Mr. Stevens shared that Payment Request 6 was received from the contractor Layne Christensen in the amount of \$571,733.75. He expects to see a change order next month to cover additional crew that was brought in to expedite work. It is currently anticipated that work will be required in the river beyond October 15, 2023 and a request for an extension was sent to CDFW. No issues are expected. It is expected that work will be off the river and the project in full operation by the end of October. He noted that the laterals developed well and he is happy with the 530 feet of total lateral length achieved.

c. Essex Onsite Sodium Hypochlorite Generation

The tanks have been ordered and much of the other equipment has arrived.

d. TRF Generator

The project is on track for 60% design submittal in November.

e. Collector Mainline Redundancy Project

i. HBMWD time extension request to CalOES

Mr. Friedenbach requested a 24-month extension of time from CalOES to complete Phase I of the Collector Mainline Redundancy project. It takes FEMA about 18 months to do the NEPA work, then an additional six months for GEI to complete their work. If approved, this would extend the project activity date to December 4, 2025. He has not yet heard back from CalOES however, he expects the extension to be granted.

ii. GEI DRAFT Cost Proposal for Change in Scope of Phase 1 Work

GEI provided a draft cost proposal for Change in Scope of Phase 1 Work-Geotechnical Hazard. The cost proposal is an incremental cost to the District of potentially \$925,000. The District does not currently have sufficient funding at this time for the project. Staff sees three options: 1. Scrap the project and forego having a second/redundant water transmission line from the Collectors up to the TRF. This subjects the District to bearing the single point failure risk in the transmission line; 2. Move forward with the grant extension and submit the change in scope of work. If Phase I grant extension is approved, research options such as Advance Charges, Project Budget Reallocations, general reserves, grants or financing to close the funding gap during the 24-month extension period. If funding is not secured, Option 1 decision can be made at this future time; 3 Move forward without further geotechnical investigations.

Since the grant requires the District to assert that the new pipeline would mitigate against earthquake failure, it is not likely that the District or its consultants can make the affirmative statement without the additional geotechnical investigations.

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Anmarie Behan, Senior Geotechnical Engineer for GEI provided information on methods to help determine fault areas and discussed options for pipeline placement locations. She shared that the additional geotechnical investigative work will help determine pipeline location options and types of drilling needed such as HDD. Knowing where the faults are will also impact other proposed projects. Mr. Friedenbach recommended giving GEI the approval to move forward with the additional Geotech work (\$925,000) since there is time to come up with funding via grants, loans, etc. On motion by Director Rupp, seconded by Director Woo, the Board voted 5-0 to adopt Option 2 and move forward with the geotechnical work. The Board thanked Anmarie for her presentation.

- f. Matthews Dam HMG Advance Assistance Seismic Stability Project
Mr. Stevens reviewed the Immediate Needs Funding (INF) Fact Sheet. This Seismic Stability Project falls under the INF which means funds will not be obligated anytime soon.
- g. Status report re: other engineering work in progress
Nothing to report.

9.2 **Financial**

- a. September 2023 Financial Statement & Vendor Detail Report
Ms. Harris presented the September 2023 financial report. The investment and interest-bearing accounts balance is \$10,062,631.43. The General Funds Reserves account is at \$3,439,782.36. Director Lindberg reviewed the bills and had no concerns. On motion by Director Rupp, seconded by Director Lindberg the Board voted 5-0 to approve the September financial report and vendor detail in the amount of \$197,916.47.
- b. September 2023 Fieldbrook-Glendale contract revenue and Expense Summary
This section of the report has been broken out for transparency. It used to be included in the main financial report, but this means of presentation is much easier to see at a glance.
- c. Annual PARS Client Review
The District has a PARS Section 115 Trust Account for the purpose of unfunded pension liability rate stabilization. On an annual basis, PARS investment management staff meets with District management staff to review the District's current investment strategy for the PARS account. The purpose of the review is to ensure the District continues to utilize the best market position available when considering the CalPERS unfunded liability needs for the near future. Due to market conditions, the District's portfolio manager (Andrew Brown)

for the PARS account has recommended shifting PARS investment assets into a less volatile portfolio, as he believes the market will continue to slump. Ms. Harris shared three options for the Board to consider.

Options are as follows: 1. Additional contributions into the PARS Section 115 Trust Account; 2. Increase the "funded budget" for Unfunded Pension Liability from \$200,000 to \$250,000 (or alternate amount); and 3. Accept Mr. Brown's suggestion to shift the District's

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investments in the PARS account from the Moderate Portfolio into the Moderately Conservative Portfolio. If the Board decides to transfer the funds, staff will complete and acquire signatures on the appropriate forms to complete the transfer. Staff shared that a 4th option is to consider is financing the District's unfunded liability. Ms. Harris noted that unfunded liability will never go away as long as there are employees. She recommended the Board consider the first three options-all of them. After a brief discussion, on motion by Director Lindberg, seconded by Director Woo, the Board voted 5-0 to make additional contributions, increase the funded budget, and move the funds to a Moderately Conservative Portfolio.

9.3 **Operations**

September Operations Report

Superintendent Davidsen provided the September Operations Report. Three Essex staff went to Ruth to do dye testing of spillway drains and prepare the spillway for drone mapping. On the way back, Unit 7 broke down and needed to be hauled back to Essex. Mr. Friedenbach added the original cost of repairs was estimated at \$25,000. Thanks to the combined efforts of Mr. Davidsen and Ms. Harris, the costs decreased to \$2,500 with the majority of the work being covered under warranty. A crew went to Ruth later in the week and conducted the annual log boom inspection and the drone spillway mapping. The Safety meeting topic was Forklift Safety Training. Operations staff distributed and collected the Lead and Copper samples and sent them to the lab. Mr. Davidsen staffed a booth at the College of the Redwoods Career Expo and that went very well.

10.4 **Management**

a. **National Public Lands Day at Ruth Lake**

Mr. Friedenbach shared the flyer for the Ruth Lake Cleanup that took place on September 23rd. He and another staff member participated in the cleanup. The cleanup was a success, as noted in the publication The Trinity Journal. Mr. Friedenbach presented the Directors with custom made t-shirts from the event. The Board was appreciative of the cleanup efforts as well as the shirts. Mr. Friedenbach stated it was a good event and he was happy to participate. Lots of trash was retrieved.

b. **Reforestation practitioners' symposium**

Mr. Friedenbach provided details, per request, on the Reforestation Practitioners' Symposium taking place on November 15th and 16th.

10. DIRECTOR REPORTS & DISCUSSION

10.1 **General – comments or reports from Directors**

Director Woo asked about District job descriptions and inquired if the section "Required Knowledge, Skills and Abilities" were required at the time of hire. Ms. Harris replied yes, unless otherwise noted.

Director Rupp stated he would like to see what other local agencies are paying their directors for attendance at board meetings. He would like this topic (and comps) brought back to the Board for discussion.

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10.2 **ACWA**

a. **Director Report**

Director Rupp stated the ACWA Board members are currently working on a Code of Conduct policy. He attended an Executive Committee meeting and he is still on the Region 1 Board however, he has stepped down as chair and this will involve less time commitment. He stated the Legislative Committee has done well. They were very successful and effective with issues they chose to support. The Personnel Committee met and are trying to determine at what level do they need to be made aware of personnel issues. This is important since 67% of ACWA's costs are personnel.

b. **ACWA Board officers' election and Region election results for the 2024-2025 term**

The list of election results was provided. Director Rupp is still serving on Region 1 board.

10.3 **ACWA – JPIA**

Director Report

Director Rupp reported the Liability Insurance Committee met and it looks like liability insurance will increase on average of ten percent. He believed the District's increase was going to be less and Ms. Harris confirmed this. The Finance Committee met and reviewed the Investment Program.

10.4 **Organizations on which HBMWD Serves**

a. **RCEA**

Director Woo stated when Director Rupp mentioned personnel issues it really hit home. The RCEA directors are currently dealing with HR issues. When it reaches the level of directors, it's never good.

b. **RREDC**

The meeting was cancelled so there is nothing to report.

ADJOURNMENT

The meeting adjourned at 3:07 pm.

Attest:

Neal Latt, President

J. Bruce Rupp, Secretary/Treasurer

CONSENT



By [SAGE ALEXANDER](#) | salexander@times-standard.com |

October 9, 2023 at 3:43 p.m.

McGuire bill signed with hopes to cut five years off offshore wind development



Turbines of the Burbo Bank offshore wind farm lay in the wake of a maintenance boat in the mouth of the River Mersey on in Liverpool, England. On Tuesday morning, seven bidders began vying for five offshore wind leases off the coast of California, including two off the coast of Humboldt Bay. (Christopher Furlong/Getty Images)

A bill championed by North Coast State Sen. Mike McGuire (D-Healdsburg) was signed by Governor Gavin Newsom on Saturday that aims to shorten the way agencies approve of offshore wind development. McGuire said in a press release the bill will create a game plan to approve offshore wind across the state, as part of an attempt to switch to renewable energy in the face of climate crisis.

According to the text of the bill, if a local government and the California Coastal Commission consent to it, a consolidated permit may be used to approve offshore wind development.

"This bill will expedite the state-side offshore wind permitting process eliminating a staggering 5 years off of the permitting timeline all while protecting California's coastal environment and storied fishing fleet. The quicker we get offshore wind infrastructure built off the Golden State's Coast, the faster we'll get family sustaining jobs propped up and moving," McGuire said in a prepared statement.

The bill aims to get input from those involved by creating a working group. These groups will make a plan for how the state will develop offshore wind and require the California Coastal Commission to assemble the California Department of Fish and Wildlife, the State Lands Commission, the Ocean Protection Council, representatives from the commercial fishing industry, representatives from the offshore wind industry, federal agencies, labor, Native American tribes and other community leaders together, according to the release.

The working group includes commercial fishing interests, which could stand to lose from the development of offshore wind. The bill creates a payment structure for compensation of losses for commercial fishermen and create the "Offshore Wind Energy Resiliency Fund" for other potential impacts.

Some representatives from North Coast tribes have noted their hesitancy in the development of offshore wind, because of the offshore wind terminal developer, Crowley, which has been accused of sex trafficking by former employees, who are suing the company. Chairman of the Yurok Tribe Joseph James wrote an op-ed asking the Humboldt Bay Harbor District to reconsider the deal with Crowley.

More specific concerns have come to a head as the development of a marine terminal in Humboldt Bay gets closer. More tribal input in the process has previously been asked for by a number of tribes, including Frankie Myers, vice chair of the Yurok Tribe and representatives from the Trinidad Rancheria. A letter signed by representatives from three other North Coast tribes and a number of local organizations further asked for tribal input, especially in the face of murdered and missing indigenous people crisis as well as environmental protections with a strong CEQA analysis. It called for meaningful and ongoing public engagement and tribal consultation.

The bill also changes the lead agency for CEQA, the California Environmental Quality Act, to the State Lands Commission. It includes transmission facilities, noted by McGuire as a weak spot for generating electricity in Humboldt County.

The working group must be created before Jan. 1, 2025, and the bill sets approval of the plan by the California Coastal Commission by May 2026. SB 286 will become law January 1, 2024.

Sage Alexander can be reached at 707-441-0504

JULIE CART, CALMATTERS / 10/16/2023/ SACRAMENTO

‘A Massive Enterprise’: California’s Offshore Wind Farms Are on a Fast Track



Fishing boats are docked at a harbor in Humboldt Bay in Eureka. Ocean waters 20 miles off this coast have been leased to two energy companies to develop wind farms. Photo by Larry Valenzuela, CalMatters/CatchLight Local

If the American West represents the “geography of hope,” as author Wallace Stegner wrote, then what better place than California’s far north to illustrate the eternal tension between the limitless potential of big ideas and the brutal disappointment of broken dreams?

The Golden State’s verdant North Coast, a great empire of trees and home to the Yurok, the state’s largest Native American tribe, has seen centuries of boom and bust — riches taken from above and beneath the earth. When gold miners brought their nuggets from the foothills to the coast, Eureka’s broad bay became a bustling transit hub.

After the gold was gone, it was replaced with timber, “red gold.” The region’s massive redwoods made many locals rich; when the forests were clear cut, the pulp mills came. They, too, went bust. Dams harnessed the region’s rushing rivers to produce electricity, causing the collapse of its prized salmon runs. A “green” cannabis revolution arrived,

promising to bring a balm to this depressed place. But a glut of legal weed flooded the market, leaving the plants to wither along with the growers' dreams of wealth.

Now, once again, the siren call of capturing the North Coast's natural resources beckons dreamers and speculators, this time the treasure lies far off the rugged coast of Humboldt and Del Norte counties. Its promise: The Pacific Ocean — which feeds us, modulates our weather and delivers our goods — will provide clean, renewable energy from its powerful winds.

The tantalizing possibility of capturing wind energy from giant floating ocean platforms is considered essential to achieving California's **ambitious goal** of electrifying its grid with 100% zero-carbon energy. The **state's blueprint** envisions offshore wind farms producing 25 gigawatts of electricity by 2045, powering 25 million homes and providing about 13% of the power supply.



Left: A trail through a redwood forest in Humboldt County. Photo by Larry Valenzuela, CalMatters/CatchLight Local

A new gold rush doesn't begin to describe the urgency of harnessing wind off California when it comes to meeting climate goals. The first, substantial step has been taken: Last December, the federal government **auctioned off 583 square miles of ocean waters** off Humboldt Bay and the Central Coast's Morro Bay to five energy companies — with more lease sales expected. The five wind farms will hold hundreds of giant turbines, each about 900 feet high, as tall as a 70-story building.

The projects will be a giant experiment: No other floating wind operations are in such deep waters. From China to Rhode Island, about **250 offshore wind farms** are operating

around the world, mostly in shallow waters close to shore and secured to the ocean floor. But the areas off California with the strongest winds are far from shore and too deep for traditional platforms, so developers are planning clusters of floating platforms about 20 miles off the coast, in waters more than a half-mile deep and tethered by cables.

The depth, distance from shore and new floating technology drive up the costs and complicate an already expansive process. Massive infusions of private and public money will be needed. And it likely will be a decade or longer before any major wind farms off California begin to produce power: The companies will spend up to five years preparing technical plans and analyzing environmental impacts of each project. Then federal and state review and permitting could take two or more years, and construction could last five or more years.

Each of the wind farms off Humboldt and Morro Bay will require an extensive network of offshore and onshore development, including miles of undersea transmission lines, expanded ports, new or upgraded onshore substations and electrical distribution networks. They would provide power to 1.5 million homes.

But the still-evolving technology of floating wind farms makes it challenging to analyze the viability and impacts of these projects. Experts say a lack of existing data on potential environmental effects means that much of the scientific understanding will only begin after they are operating.

“There’s no pretending this isn’t a massive enterprise that the state of California is in the process of embracing,” said Adam Stern, executive director of Offshore Wind California, an industry group.

“We cannot sugarcoat it. There are massive hurdles we need to work on. We need to wrestle these challenges to the ground and come up with work plans. That’s starting to happen. We have to help and support the leaseholders in getting their projects off the ground.”

A CalMatters analysis shows that California’s offshore wind projects carry a host of implications and uncertainties:

- Energy companies will need hundreds of millions of dollars in state subsidies or bonds to assist with the extreme costs of construction and operation. Each wind farm could cost about \$5 billion to develop, construct and assemble.

- Wind farms require an unprecedented industrialization of the coast, with millions in public funds to expand and upgrade ports, harbors and support facilities.
- No one knows how wind farms will affect migrating whales and other marine mammals and seabirds. Although other offshore wind operations around the world have had minimal impact, they are not directly analogous to the Pacific Ocean or floating platforms, which have cables and lines that could entangle whales.
- Commercial fishing operations are likely to face some degree of restricted access to leased waters, which include some of the state's most productive fisheries.
- Local communities will bear social costs and strains on infrastructure, such as higher housing costs and utility upgrades.
- Building transmission lines and related infrastructure to distribute the new wind power carries a price tag of as much as \$8 billion in California and at least \$700 billion nationwide.
- Private investments and public funds totaling more than \$260 billion will be needed by 2045 to improve the industry's supply chains — the parts and materials, such as rotors and turbines — to achieve the nation's clean energy goals.
- The state government could become the largest customer for offshore wind power, since it can be locked into long-term contracts for what is likely to be expensive electricity under a new law signed by Gov. Gavin Newsom.
- Estimates of the cost of the power are speculative and vary widely, and the initial rates could be high — as much as \$133 per megawatt hour, according to a federal analysis, compared to \$34 for land-based wind.

Rather than being motivated by a can-do spirit, wind development off California is propelled by a must-do mandate. The five companies already paid the U.S. Treasury \$757.1 million to lease the tracts off California.

Powering an expansive economy free of fossil fuels by 2045 means the state must triple its power generation capacity and deploy new solar and wind energy at almost five times the pace of the past decade.

“There is an undeniable urgency,” said David Hochschild, chair of the California Energy Commission. “California has had unprecedented climate challenges. There is a fierce urgency to respond. We have to stop being academic on this. We have to build.”

It’s a leap into the unknown for officials at the California Coastal Commission, which is one of the state agencies responsible for reviewing the potential environmental impacts of these projects.

“There’s a great deal of uncertainty in all aspects of planning of offshore wind,” said Kate Huckelbridge, executive director of the Coastal Commission, which has legal jurisdiction from the sea to the sand and will handle much of the analysis and permitting.

Huckelbridge, an environmental engineer, said the agency has experience understanding how large structures in the ocean affect the marine environment — think offshore oil rigs. But a wind platform — each holding a towering turbine with spinning blades as big as one-and-a half football fields — is of another magnitude.

“The scale is one of the differences that we have to get our head around,” Huckelbridge said. “All components of these turbines are on a scale we haven’t seen before anywhere in the world. Even though we know the questions to ask, the answers are not clear.”

A new state law streamlines the environmental approval process by consolidating analyses by multiple state agencies and jurisdictions. The State Lands Commission will be the lead agency for the environmental review, while the Coastal Commission is responsible for issuing a coastal development permit.

California’s offshore power generation will feed into a federal goal of 15 gigawatts by 2035. The Biden administration calls the rush to claim this new energy frontier the “Floating Offshore Wind Shot,” invoking the memory of the Moon Shot and the enormous collective effort to put an American on the moon.

Welcoming with open arms — but fingers crossed

Scott Adair strode brightly into a conference room on a cold and misty summer morning. Thoughtful and earnest, Adair had been musing about his county’s Next Big Thing.

Two areas off Humboldt already have been leased for wind farms that will hold perhaps 50 or more turbines each, and the region is expected to host most of California’s future projects. Wind there is strong and reliable, and, while the region badly needs a transmission upgrade, it also has room to accommodate new infrastructure.

As the county's director of economic development, Adair marvels at offshore wind towers as "fantastical" structures that could boost employment and growth. But he's giving deep thought to everything the industry may portend for his struggling community.



Scott Adair, Humboldt County's director of economic development, is concerned about the uncertainties that the region faces with offshore wind development. Photo by Larry Valenzuela, CalMatters/CatchLight Local

Nearly a fifth of Humboldt County households live in poverty, and the region is near the top of indicators that suggest times are tough. The county has a net out-migration, with more and more residents leaving to look for jobs or a cheaper place to live. Adair cites the rueful in-joke: Humboldt's greatest export is its smart kids.

Unlike other communities along the California coast where NIMBYism dominates the conversation, the Humboldt coast is eager to accommodate wind farms. Although the employment projections careen all over the place, from a few hundred to several thousand new jobs, even a small economic gain can have a welcome, profound effect in a rural area.

And yet, perhaps because of the region's history of exploiting forests until they disappeared, with the mop-up left to locals, there is vigilance. "We are cautious about the flimflam, if you will, the over-promisers," Adair said.

Adair is clear-eyed about the region's role as host to what will be a sudden and massive development, with more lease areas expected to follow.

"This is a federal project that is happening to us," Adair said. "We have a limited ability to be involved and to help steer or shape the outcomes of the project."

To Adair, the potential windfall is tempered by the unknown. "This is an opportunity on a magnitude and scale that I don't think we have seen or experienced before, in decades, perhaps in the last century," he said. "It's massive, it's huge, metaphorically, but literally."

In March Humboldt supervisors discussed the potential economic boon and cost to the county, and invested \$850,000 to study how to prepare, including workforce training, legal support and supply chain analysis.

The supervisors said they are excited about the possibilities, but they also worry about the pitfalls and are bracing for disappointment. "I go into this with my eyes wide open," said Supervisor Rex Bohn. "I pray this happens. I hope like hell this happens."

Up the coast, the Yurok Tribe is feeling a tug of *deja vu*: outsiders dangling promises of money and jobs in return for natural resources.

"I'm an Indigenous person. I've already seen this playbook before," said Phillip Williams, a Yurok Tribal Council member.

The Yurok, the largest Native American tribe in California with more than 6,500 members, battled 18th century settlers for their ancestral lands that span the sprawling 16,000-square-mile Klamath River watershed.

Phillip Williams, a member of the Yurok Tribal Council, is concerned about what the offshore wind turbines could mean for the tribe's environment and economy. Photo by Larry Valenzuela, CalMatters/CatchLight Local

Williams said many in the region have been "blinded by dollars."

"Everybody's lining up. It's almost like there's a predator. 'Okay, these guys are weak. We can come in here and take advantage of this community that's this desperate for dollars, because they've already depleted all their natural resources. What else can we extract from these communities, and these communities are so desperate, that they're willing to jump off the bridge blind, in hopes that there's gold at the bottom,'" he said.

Like other communities along the North Coast, Williams said the Yuroks need sustainable jobs, but not at any cost. More than a third of tribal members live below the poverty line, 60% of them children.

“We are trying desperately to create jobs and an economy here,” Williams said. “We could jump off the bridge just like everybody else, join the bandwagon. A lot of very smart people are saying, ‘let’s jump in.’ Yurok, we’re not motivated by money. We’re not willing to sell our resources for money. We’ve already done that and we’ve seen the result of it.”



“We could jump off the bridge just like everybody else, join the bandwagon... We’re not willing to sell our resources for money. We’ve already done that and we’ve seen the result of it.”

— Phillip Williams, Yurok Tribal Council

Developers must establish community development funds and employment training programs — potentially millions of dollars — under the conditions of their federal leases. Among the nonprofits and other community groups angling to manage the windfall, Adair likens the situation to “sharks circling the water to get money from developers.”

How can the community embrace the opportunity without allowing the potential growth to drive up the cost of living and housing or over-tax community services? Adair said the local government’s capacity to administer even a slice of the wind energy bureaucracy is limited.

The county is already short 3,000 housing units, and he doesn't know where the skilled workers will come from in a region that he estimates has only 100 master electricians. And he wonders what will happen to other construction projects, large and small, should the wind terminal construction siphon the localized workforce.

Like many local leaders, Adair has been on a crash course to educate himself about offshore wind technology, binging online seminars at night and on weekends.

"It seems as though, from our perspective, that Washington is putting undue pressure and responsibility on the community and the developers to figure this all out. It's a fast track," he said, adding that he's talked to local leaders in Europe, where offshore wind is growing. "We're hearing a common theme: Slow it down. Take your time to really understand it so that you get it right. "

It's a sentiment shared by Oregon Gov. Tina Kotek, who in June [sent a letter](#) to federal officials asking for a pause in the offshore wind program there until more information on environmental and economic impacts are known. The feds have identified some 1,800 square miles of potential wind lease areas off the Oregon coast.

"You know, we were given this gift of this potentially massive economic opportunity," Adair said. "And it might, *it might* have some real energy benefits to it as well. But we aren't necessarily equipped to or capable of receiving that gift, at least not at this scale. We need to be careful."

Support or subsidy? Green power requires a lot of green

As with any new technology, the early costs to launch are high. Subsidies are part of a standard playbook to help bootstrap new technology: offering support until a business can stand on its feet. Because floating offshore wind is critical to federal and state clean-energy goals, taxpayers and ratepayers will subsidize some of the private companies' financial risk, at least at the beginning.

If getting wind power to market in California just meant bringing electrons to shore, it would be a massively ambitious undertaking requiring technology that in some cases has yet to be developed. But the effort is further complicated by what's required once the power hits land — much of the means to move it does not now exist.

California will have to restructure its electricity grid to handle and distribute the new power. The national transition to a net-zero carbon economy will require a financial injection from the private sector and state agencies to double the state's existing transmission infrastructure, at a cost of at least \$700 billion in new investment by 2050, according to a recent [UC Berkeley report](#).

“We are going to need state money and we are going to need federal money. We can make this the industry that puts California at the center of a global industry.”

— Molly Croll, American Clean Power

Private companies must create a supply chain for parts and materials that are not yet available in the United States. A small fraction of the blades, turbines and other parts that make up the wind turbines are made in the United States, and almost none are manufactured in California, according to a [report to the Energy Commission](#).

Supply chain investments will require more than \$260 billion by 2045 to reach the nation’s offshore wind production goals, the UC Berkeley researchers found. They also envision bottlenecks in port capacity and finding the vessels to tow and install the platforms at sea.

The researchers’ conclusion: The challenges are immense, but not insurmountable.

A Department of Energy [offshore wind market report](#), published in August, predicted the wind industry would have a rocky start followed by a bright future.

So far, it’s been turbulent: Rising capital costs and interest rates, as well as supply chain volatility, are buffeting the industry. The costs per kilowatt-hour over the life of a project increased nearly 50% between 2021 and 2023, according to a [recent Bloomberg analysis](#).

And interest from companies in building the projects has been unpredictable. Last month, a federal lease sale in the Gulf of Mexico garnered a tepid response. Only one of three areas was bid upon and the bid-per-acre was just \$55, compared to an average of \$2,028 per acre for the California leases.

That pales in comparison to the [\\$8,313 per acre for leases in the New York Bight](#) earlier this year. The \$4.37 billion that companies paid for six offshore wind leases off [New York and New Jersey](#) in February was the largest amount ever paid for U.S. offshore energy leases — including for oil and gas.

Given the capital risks, the floating offshore wind industry expects government help. And it’s getting it.

State and federal officials are pouring hundreds of millions of dollars into [grants for industry](#) research and development, various tax incentives and assistance to build this new industry. So far the California Energy Commission has spent more than \$100 million in support of offshore wind, according to the agency. Projects also may qualify for [tax credits](#) that can offset 30% or more of development costs.

“There will be creative financing solutions,” said Molly Croll, Pacific offshore wind director for American Clean Power, a renewable industry association. “We are going to need state money and we are going to need federal money. We can make this the industry that puts California at the center of a global industry.”

A new law allows the Department of Water Resources to purchase offshore wind power to signal to the industry that there will be buyers.

While the department has a track record of procuring power, it’s not a laudable one. During the energy crisis of the early 2000s, it entered into long-term energy contracts at a cost of more than \$40 billion, which was subsequently found to be unreasonably high.

No estimates are available for how much purchasing the wind power could cost the state or ratepayers, although the bill’s supporters say that ultimately Californians will save money in their electric bills.

Wind developers lobbied hard for the legislation this year. Sam Eaton, chief executive officer of RWE Offshore Holdings, which holds one of the leases off Humboldt, said having California as an assured buyer for future wind power shows the state’s long-term support for the industry.

“It’s central to be able to see that kind of support to be able to make ultimately tens of billions of dollars of investment in a market,” Eaton said. “Our investors would not want us to take that kind of risk otherwise.”

Wind developers point out that offshore wind will deliver electricity later in the day, when solar plants are going offline and demand ramps up. They also note that the cost will drop over time, a demonstrable trend with other renewable technologies.

State Sen. Brian Dahle, a Republican from Redding, wants renewable energy but questions the unknown cost to consumers.

“This is just like the bullet train. We are just going to do it because, by golly, we are just going to do it,” he said. “We are going to pass on the cost to the ratepayers and we have the highest electric bills in the nation. This is going to break the state.”

The importance of bigger ports

Ports will play a significant, as-yet unfilled role in supporting offshore wind, to assemble the platforms and maintain service fleets and vast repair yards.

State officials acknowledge that no ports in the state are ready to do the job. Getting them ready could mean turning swaths of California's coast into industrial zones.

The Port of Long Beach is the only California port even remotely prepared to handle the wind energy workload. The busy port has proposed Pier Wind, a 400-acre offshore wind turbine assembly terminal with a price tag of \$4.7 billion. Construction could begin in four years, and even after the terminal is built, it's only feasible to deliver the turbines as far as the Central Coast, which would require a barge to tow the structures for two days on open seas.

The Long Beach port's CEO, Mario Cordero, said he expects funding from the state Energy Commission to help prepare the new facility.

"It's assumed that there's going to be public funds," Cordero said. "This requires a collaborative effort. It is a long-term endeavor. At the pace we're going, all the levers have to be pulled."

One lever has already released \$45 million in state funds for port upgrades around the state to prepare for wind construction and support.



Rob Holmlund, director of development of Humboldt Bay Harbor, thinks that offshore wind projects would revitalize the harbor. Photo by Larry Valenzuela, CalMatters/CatchLight Local

At the other end of the state, there's another option. From his office, Rob Holmlund, the Humboldt Bay Harbor District's development director, has a wide view of pleasure craft bobbing at docks and the blighted remains of a once-thriving industrial zone. Those hundreds of acres of empty space are the port's main attraction for the wind industry — it's the second-largest natural bay in California.

The harbor district has received more than \$10 million from the Energy Commission to study proposals to transform much of the former industrial site to a sprawling, modern wind terminal. Large cranes would put the pieces of turbines together then tugs or ships would move the floating islands through the harbor and out to sea. The harbor also would maintain a fleet of boats to service the platforms. Humboldt officials intend to hire a contractor to operate the harbor as a green facility with electric vehicles and equipment.

“There’s old buildings everywhere and it’s a visual blight that will be cleaned up and revitalized,” Holmlund said, adding that the harbor entrance will be dredged more regularly.

Another hurdle for ports: Federal law requires any vessel delivering goods or people from one U.S. site to another to be built, owned and primarily crewed by U.S. citizens. The number of compliant ships available to do the job is minuscule: A [federal analysis](#) found only seven craft that meet the requirements.

Even after overcoming the substantial hurdles of getting the wind-generated power to shore, it will be a monumental task to gather the electricity in substations and distribute it over transmission and distribution lines to users.

Grid experts refer to California’s far north as a transmission choke point. Humboldt County residents, accustomed to living behind the so-called Redwood Curtain and enduring periodic power cuts, refer to themselves as “the end of the line.”

“There is no way in hell that the current lines that we have available are going to be able to take on the additional load,” state Sen. Mike McGuire, a Democrat from Healdsburg, said in a legislative committee hearing in May.

The state’s grid manager estimates the [build-out cost for additional high-voltage transmission capacity](#) will be about \$8 billion, part of a total of \$30 billion needed to bring in out-of-state wind power and upgrade the overall grid capacity to meet California’s decarbonization goals.

Because of an eight-to-10-year lead time to construct transmission projects, the new power may wait at the shoreline while the lines and transmission plants to move it are put in place.

“It requires significant new infrastructure. Not just wires, but substations and towers and transformers,” said Himali Parmar, an interconnection and transmission expert at the consulting firm ICF International, Inc. “There are massive goals to meet and transmission is a big part of the puzzle.”

However, Parmar added that California's 20-year power planning horizon makes her optimistic that the challenge can be met.

'A deep sense of foreboding' for fishermen

Ken Bates' office is idling at the dock at the foot of F Street in Eureka. The sleek fishing boat, most of which he built, is the workplace for Bates and his wife Linda, who make their livelihood on the Pacific, chasing fish for weeks or months at sea.

It's a business with challenging economics, defined by narrow margins and a fluctuating resources. For commercial fishermen working the California coast, it's been a long, slow decline. Pacific fisheries are highly managed to prevent overfishing. The salmon season was canceled this year statewide because of severely low populations, for example.

Fisherman Ken Bates guides his fishing boat through the marina in the Humboldt Bay in Eureka. Bates is concerned that the offshore wind project could affect the livelihood of the fishermen in the area. Photo by Larry Valenzuela, CalMatters/CatchLight Local

As Bates motors away from shore, he says he supports renewable energy, noting that his home is solar-powered. But he and others in his trade worry that commercial fishermen and women will be restricted while working in Humboldt's 200-square-mile lease area.

The wind projects "have the potential to adversely affect fishing and fishermen through exclusion and displacement from fishing grounds, increase costs and time at sea to reach new fishing grounds, loss of future fishing grounds and loss or disruption of harbor space and fishing infrastructure at ports," according to a Coastal Commission staff report last year.

Even if accommodations are made to allow some fishing, the fishermen and women worry that trawling boats might need to steer clear of the floating rigs to avoid snarling their nets in the networks of cables and lines.

The state Department of Fish and Wildlife told the State Lands Commission that the impacts could be "potentially significant."

"Offshore wind energy generation is a novel concept in California's marine waters. Floating technologies are also still relatively new, and much is unknown about their environmental impacts," the agency wrote.

“Adverse impacts to commercial and recreational fisheries could result from the loss of accessible fishing area, loss of fishing gear from snagging on Project infrastructure, navigational hazards, and/or degradation of habitat. The Project sites overlap with fishing grounds for several important fisheries.”

There’s also a potential flip side: Fish populations could increase if fishing declines, and the permanent structures in the sea could provide habitat for more and different species, marine biologists say.

Some project developers are discussing a system of compensation payments to fishermen, whose concern is about more than losing one fishing season.

Bates and other fishermen purchase “limited entry” permits that give them rights to work in waters not open to non-permit holders. The special permits are enormously valuable: A limited entry shrimp permit is worth \$1 million, Bates said.

“If we can’t fish, that shrimp permit is worth nothing,” Bates said, peering through his boat’s spattered windscreen. “Those permits are the 401Ks for fishermen. They could lose their retirement, everything they’ve saved for.”

If fishermen are displaced from their traditional grounds they may move elsewhere and create localized overfishing, said Steve Scheiblauber, a longtime harbormaster in Santa Cruz and Monterey and now a marine fisheries consultant.

“There is a deep sense of foreboding,” he said, mentioning cascading effects through the region’s fishing-based economy. “There’s deckhands. Truck drivers. Can fish buyers in Eureka keep their doors open if they lose their main supply? A fish buyer is also the ice producer. Restaurants and tourists expect the fish. Commercial fishing is a link to the waterfront. We need to slow down and get some data.”

‘We have to attempt this’

Mike Wilson sips a beer at a dockside restaurant on the Humboldt harbor and squints into the setting sun. Wilson is a county supervisor and a member of the Coastal Commission, where he’s a reliable voice for the environment.

He’s sympathetic to skeptics of the promise of offshore wind, the sometimes-inflated job numbers and rosy promises of economic revival. But even with the unknowns about impacts to marine life and the prospect of industrialization of this remote coast, Wilson says offshore wind power must go forward.

He starts from a simple baseline calculation: Climate change and its ever-increasing calamities. The pressing need to phase-out fossil fuels, and their mounting

environmental harm, outweighs what is not yet known about the biological and environmental impacts of large-scale offshore wind, he said.

“I don’t have any comfort at all with the climate impacts we are seeing now,” Wilson said. “All my discomfort (with the unknown) is outweighed by the urgency if we do nothing. We have to attempt this.”

The Coastal Commission’s Huckelbridge and other state scientists acknowledge some concern with not having enough time or budget to minutely analyze the potential impacts of offshore wind.

But they add that through “adaptive management” — the ability to adjust policies and requirements as conditions change — detrimental effects can be avoided or mitigated. And, they say, environmental conditions will be monitored throughout the lifespan of the wind farms.

“We have our responsibility under the Coastal Act to assess impacts,” Huckelbridge said. “We understand the urgency and will move with all haste. But we will do our job. We owe that to California.”

###

CalMatters.org is a nonprofit, nonpartisan media venture explaining California policies and politics.

October 25, 2023



Interested Parties:

The forbearance period for cannabis surface water diversions ends Tuesday, October 31, 2023.

As a reminder, from Wednesday, November 1 through Thursday, December 14, 2023, surface water diversion shall not begin until the daily average flow at the cultivator's assigned stream gage is greater than the minimum instream flow requirement for seven consecutive days (Cannabis Policy, Attachment A, Section 3, Requirement 4). The first day of the seven consecutive days must occur on or after Wednesday, October 25, 2023. Between Thursday, December 14 through Sunday, March 31, 2023, the cultivator may divert when the previous day's daily average flow is greater than the minimum instream flow at the cultivator's assigned stream gage.

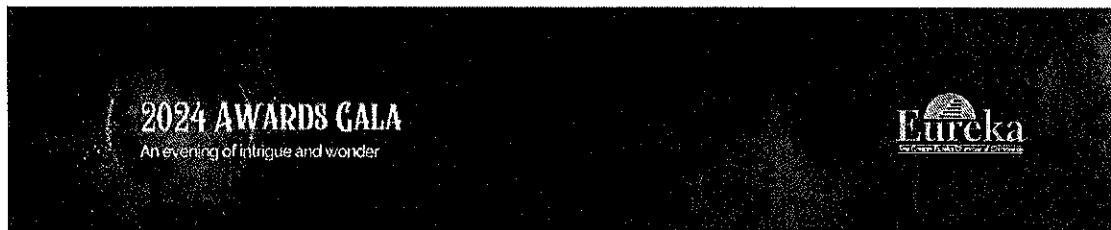
Therefore, cannabis cultivators are required to:

- check the Online Cannabis Compliance Gage Mapping Tool daily, prior to diverting, to check and document if they are authorized to divert surface water and
- maintain daily diversion records for water diverted for cannabis cultivation.

If you have questions, please reach out to us via email at CannabisWR@waterboards.ca.gov or by phone at 916-319-9427. Please also visit the Water Boards' Cannabis Cultivation webpage for more information.

WATER BOARDS CANNABIS CULTIVATION PROGRAMS PORTAL

CORRESPONDENCE



Warm greetings!

Continuing our trend of doing things a little differently, the Greater Eureka Chamber of Commerce will celebrate our **2024 Awards Gala** with An Evening of Intrigue and Wonder.

We invite you to join us for the evening of **Friday, January 26**, when The Acres will be transformed into a Cirque du Soleil-inspired cocktail lounge!

Together, we will celebrate our annual **Business Awards** honoring some of our region's most impactful leaders, and share with you about major new initiatives underway to support local businesses and our greater community.

The 2024 Awards Gala, An Evening of Intrigue and Wonder, will offer fresh experiences, expanded networking opportunities, a pared-down opening program, and music by special guests Amber Soul and Jeffrey Smoller. **(Wear your dancing shoes!)**

A variety of **signature cocktails** and **upscale, locally-sourced hors d'oeuvres** created by Chamber member restaurants will be available throughout the evening, and are included in your ticket price. Join in on an exciting live auction with **Senator Mike McGuire**, as well as a generous silent auction.

Sponsorship information can be downloaded below – we hope you will consider generously investing in the Greater Eureka Chamber as we continue to expand our impact across the region.

Come dressed in elegant, intriguing party attire, ready to enjoy a very special evening! We look forward to seeing you there.

The Chamber Team

CONTINUING BUSINESS

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

To: Board of Directors
From: John Friedenbach
Date: November 9, 2023
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**

- i) Nordic Aquafarms – Coastal Commission Public Hearing. See notice.
- ii) Trinidad Rancheria mainline extension. No update.
- iii) Blue Lake Rancheria mainline extension. Counsel is preparing the Mainline Extension Agreement.
- iv) Offshore Wind Heavy Lift Multipurpose Marine Terminal Project. No update.

b) Transport – no update.**c) Instream Flow Dedication**

Waiting for comments from the Water Board staff on our draft petition for change application. Next step will be to evaluate draft comments by the Water Board Staff for incorporation into our petition for change submittal to the Water Board.

The Instream Flow Committee and staff/counsel are preparing our response to NMFS's Sept. 27th comment letter from NMFS.

When would the Directors like to schedule a Special Board meeting Study Session regarding our draft petition for change?

CALIFORNIA COASTAL COMMISSION

455 MARKET ST, SUITE 300
SAN FRANCISCO, CA 94105
FAX (415) 904-5400
TDD (415) 597-5885

H.B.M.W.D. OCT 30 2023



PUBLIC HEARING NOTICE

ENERGY, OCEAN RESOURCES, AND FEDERAL CONSISTENCY DIVISION

The California Coastal Commission will consider the following Energy, Ocean Resources, and Federal Consistency Division item:

THURSDAY, NOVEMBER 16, 2023, 9:00 A.M.

9. COASTAL PERMIT APPLICATIONS.

- b. **Application No. 9-20-0488 (Nordic Aquafarms California, LLC)** Application by Nordic Aquafarms California, LLC, to discharge up to 10.3 million gallons per day of tertiary-treated wastewater from its yellowtail farming facility via the existing Redwood Marine Terminal II outfall pipe, 1.5 miles offshore Samoa, Humboldt County.

Staff reports and staff recommendations. Staff reports and staff recommendations are available at www.coastal.ca.gov/mtgcurr.html. Click on the Thursday tab and scroll down to agenda items 9b. If you wish to receive a hard copy of a report, please contact the Commission's Energy, Ocean Resources and Federal Consistency Division at EORFC@coastal.ca.gov or (415) 904-5240.

Please note: The above items may be moved to the Consent Calendar by the Executive Director if, prior to Commission consideration of the Consent Calendar, staff and the applicant agree on the staff recommendation. If an item is moved to the Consent Calendar, the Commission will either approve it with the recommended conditions in the staff report or remove the item from the Consent Calendar by a vote of three or more Commissioners. If an item is removed, the public hearing described above will still be held at the point in the meeting originally indicated on the agenda.

How to provide written comments on an item. To submit written materials for review by the Commission, either email (via EORFC@coastal.ca.gov) or submit such materials to Commission staff no later than 5 pm on the Friday before the hearing. Staff will then distribute your materials to the Commission. Such materials received after this time will not be distributed to the Commission. Alternatively, you may also submit such materials directly to the Commissioners (a current list of Commissioner names and email addresses is available from Commission staff or from the Commission's website) as long as such materials are submitted to all Commissioners, all alternates for Commissioners, the three non-voting members of the Commission, and Commission staff. You are

requested to summarize the reasons for your position in no more than two or three pages, if possible.

PLEASE NOTE THAT THIS WILL BE A HYBRID MEETING, WITH BOTH VIRTUAL AND IN-PERSON PARTICIPATION ALLOWED. Please see the Coastal Commission's Hybrid Hearing Procedures, posted on the Coastal Commission's webpage at www.coastal.ca.gov for details on the procedures of this hearing. If you would like to receive a paper copy of the Coastal Commission's Hybrid Hearing Procedures, please call (415) 904-5202.

The in-person hearing will be held at **Graton Resort, 288 Golf Course Drive, Rohnert Park, CA 91928**. The Commission strongly encourages continued participation virtually through video and teleconferencing due to changing Covid-19 conditions.

When will my agenda item be heard? The items listed above will be considered by the Commission at a meeting at which other items are also scheduled. It is not possible to specify the exact time at which each matter will be heard, or to guarantee that an item will not be postponed. No one can predict how quickly the Commission will complete agenda items or how many will be postponed to a later date. The Commission begins each session at the time listed and considers each item in order, except in extraordinary circumstances.

Questions? Questions regarding this agenda item and/or this hearing should be directed to EORFC@coastal.ca.gov or (415) 904-5240.

**Department of Toxic Substances Control
Former McNamara and Peepe Lumber Mill
Monthly Summary Report**

October 2023

This monthly summary report summarizes environmental site investigation and remediation activities conducted by the Department of Toxic Substances Control (DTSC) or by their contractor, SHN Consulting Engineers and Geologists, Inc. (SHN) at the former McNamara and Peepe Lumber Mill Site.

a. Actions during this calendar month (October 2023).

- Second Semi-Annual 2023 Groundwater Sampling Report. A summary of activities and results for the second semi-annual groundwater sampling event was submitted by SHN and is currently being reviewed by DTSC.
- Contract Renewal. The contract with SHN will expire in December of 2023. DTSC has prepared a contract renewal to extend activities with SHN. The proposed work includes additional investigation and monitoring, well installation, and a human health risk assessment.

b. All planned activities for the next month and beyond (November 2023).

- First Semi-Annual 2023 Groundwater Sampling Report. DTSC is currently reviewing the groundwater sampling report. Approval is expected in early November 2023.
- 2023 Site Investigation Report of Findings. DTSC is currently reviewing the 2023 site investigation report. Approval is expected in December 2023.
- Virtual Quarterly Update Meeting. DTSC will be hosting a virtual quarterly update meeting with DTSC, EPA, Humboldt Bay Municipal Water District, and Humboldt Waterkeeper in January, 2024. A date and an agenda will be sent out in December.

Table 2-2 Historical Groundwater Elevations		
Well Name	Date	Groundwater Elevation (ft msl)
MW-1	4/8/1998	80.67
	7/8/1998	72.04
	1/26/1999	79.97
	7/14/1999	73.37
	4/13/2000	78.23
	10/19/2000	69.06
	6/7/2001	70.62
	12/26/2002	84.22
	12/12/2003	82.87
	3/15/2004	86.17
	6/10/2004	83.44
	1/28/2005	85.70
	8/3/2005	83.72
	1/11/2006	88.67
	1/24/2007	85.22
	6/7/2010	85.32
	10/18/2010	80.50
	11/3/2011	82.12
	4/11/2012	87.73
	5/13/2015	83.60
	11/10/2015	79.77
	5/23/2016	84.05
	12/14/2016	87.92
5/8/2017	85.92	
8/22/2019	81.56	
3/5/2021	85.84	
2/22/2022	83.71	
8/23/2022	80.75	
2/22/2023	85.67	
MW-5	1/12/1998	84.44
	4/8/1998	80.33
	7/8/1998	72.59
	1/26/1999	80.20
	7/14/1999	73.68
	4/13/2000	77.71
	10/19/2000	69.12
	6/7/2001	71.12
	12/26/2002	84.18
	12/12/2003	82.31
	1/28/2005	85.66
	8/3/2005	83.68
	1/11/2006	88.34
1/24/2007	85.36	

Table 2-2 Historical Groundwater Elevations		
Well Name	Date	Groundwater Elevation (ft msl)
MW-5 cont'd	6/7/2010	86.05
	10/18/2010	80.60
	11/3/2011	82.26
	4/11/2012	88.04
	5/13/2015	83.85
	11/10/2015	81.10
	5/23/2016	84.35
	12/14/2016	88.05
	5/8/2017	86.50
	3/5/2021	86.12
	2/22/2022	83.97
	8/23/2022	80.94
	2/22/2023	85.68
MW-7	1/12/1998	83.88
	4/8/1998	73.90
	7/8/1998	68.34
	1/26/1999	71.82
	7/14/1999	70.30
	4/13/2000	72.31
	10/19/2000	67.73
	6/7/2001	66.43
	12/26/2002	84.12
	12/12/2003	82.83
	1/28/2005	86.37
	8/3/2005	84.68
	1/11/2005	88.53
	1/24/2007	86.00
	6/7/2010	92.40
	10/18/2010	82.40
	11/3/2011	83.94
	4/11/2012	89.23
	5/13/2015	85.27
	11/10/2015	81.10
	5/23/2016	84.35
	12/14/2016	89.08
	5/8/2017	87.52
8/21/2019	83.06	
3/5/2021	87.37	
2/22/2022	85.39	
8/23/2022	82.43	
2/22/2023	86.87	

Table 2-2 Historical Groundwater Elevations		
Well Name	Date	Groundwater Elevation (ft msl)
MW-8	1/12/1998	84.73
	4/8/1998	81.24
	7/8/1998	73.72
	1/26/1999	81.99
	7/14/1999	75.73
	4/13/2000	78.87
	10/19/2000	71.06
	6/7/2001	72.74
	12/26/2002	85.14
	12/12/2003	88.46
	1/28/2005	89.50
	8/3/2005	85.08
	1/11/2006	89.91
	1/24/2007	87.87
	6/7/2010	no reading
	10/18/2010	no reading
	11/3/2011	no reading
	4/11/2012	no reading
	5/13/2015	87.56
	11/10/2015	84.64
	5/23/2016	87.32
	12/14/2016	90.14
	5/8/2017	88.24
	8/21/2019	82.91
	3/5/2021	88.41
	2/22/2022	87.49
8/23/2022	82.33	
2/22/2023	88.28	
MW-9	1/12/1998	86.88
	4/8/1998	83.50
	7/8/1998	81.21
	1/26/1999	82.48
	7/14/1999	81.14
	4/13/2000	82.19
	10/19/2000	78.90
	6/7/2001	79.70
	12/26/2002	86.30
	12/12/2003	85.68
	1/28/2005	89.26
	8/3/2005	87.85
	1/11/2006	90.89
	1/24/2007	89.04
	6/7/2010	92.55
	10/18/2010	89.70
	11/3/2011	88.52
	4/11/2012	93.38
	5/13/2015	87.56
	11/10/2015	84.64
5/23/2016	88.68	

Table 2-2 Historical Groundwater Elevations		
Well Name	Date	Groundwater Elevation (ft msl)
MW-9 cont'd	12/14/2016	91.56
	5/8/2017	90.66
	8/21/2019	83.81
	3/5/2021	90.93
	2/22/2022	89.37
	8/23/2022	86.84
	2/22/2023	90.61
MW-10	6/7/2010	84.55
	10/18/2010	89.70
	11/3/2011	81.32
	4/11/2012	85.91
	5/13/2015	82.21
	11/10/2015	79.50
	5/23/2016	82.29
	12/14/2016	89.95
	5/8/2017	84.71
	8/21/2019	81.01
	3/5/2021	84.58
	2/22/2022	83.02
	8/23/2022	79.80
2/22/2023	89.15	
MW-11	10/18/2010	81.50
	11/3/2011	83.47
	4/11/2012	86.50
	5/13/2015	83.90
	11/10/2015	81.73
	5/23/2016	84.45
	12/14/2016	87.46
	5/8/2017	85.55
	8/21/2019	82.18
	3/5/2021	85.51
	2/22/2022	84.34
	8/23/2022	81.24
	2/22/2023	86.13
MW-12	11/3/2011	82.10
	4/11/2012	87.81
	5/13/2015	83.53
	11/10/2015	79.68
	5/23/2016	83.98
	12/14/2016	87.93
	5/8/2017	85.98
	8/21/2019	81.55
	3/5/2021	85.93
	2/22/2022	83.75
	8/23/2022	80.76
2/22/2023	85.51	
MW-13	2/22/2022	84.44
	8/23/2022	84.31
	2/22/2023	86.29

Well Name	Date	Groundwater Elevation (ft msl)
MW-14	2/22/2022	84.66
	8/23/2022	81.39
	2/22/2023	86.34

McNamara and Peepe
Quarterly Meeting Agenda
October 24, 2023

Attendees: DTSC (Marikka Hughes, Ashley Blesio, Vanessa Davis)
EPA (Cynthia Ruelas)
Humboldt Bay Municipal Water District (Neal Latt, Michelle Fuller, John Friedenbach)
Humboldt Baykeeper (Jen Kalt)
SWAPE (Matt Hagemann)

1. Overview of Site Investigation activities
2. Site investigation results
 - a. New well installation (MW15, MW16) and MW-1 repair
 - b. Soil and grab groundwater sampling results
 - c. Second semiannual groundwater sampling results
3. Discuss approximate historical infrastructure locations

DTSC website for McNamara & Peepe Lumber Mill (12240115)

1619 Glendale Drive

Humboldt County

https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=12240115

EXPLANATION

 **STORM WATER SAMPLE LOCATION**

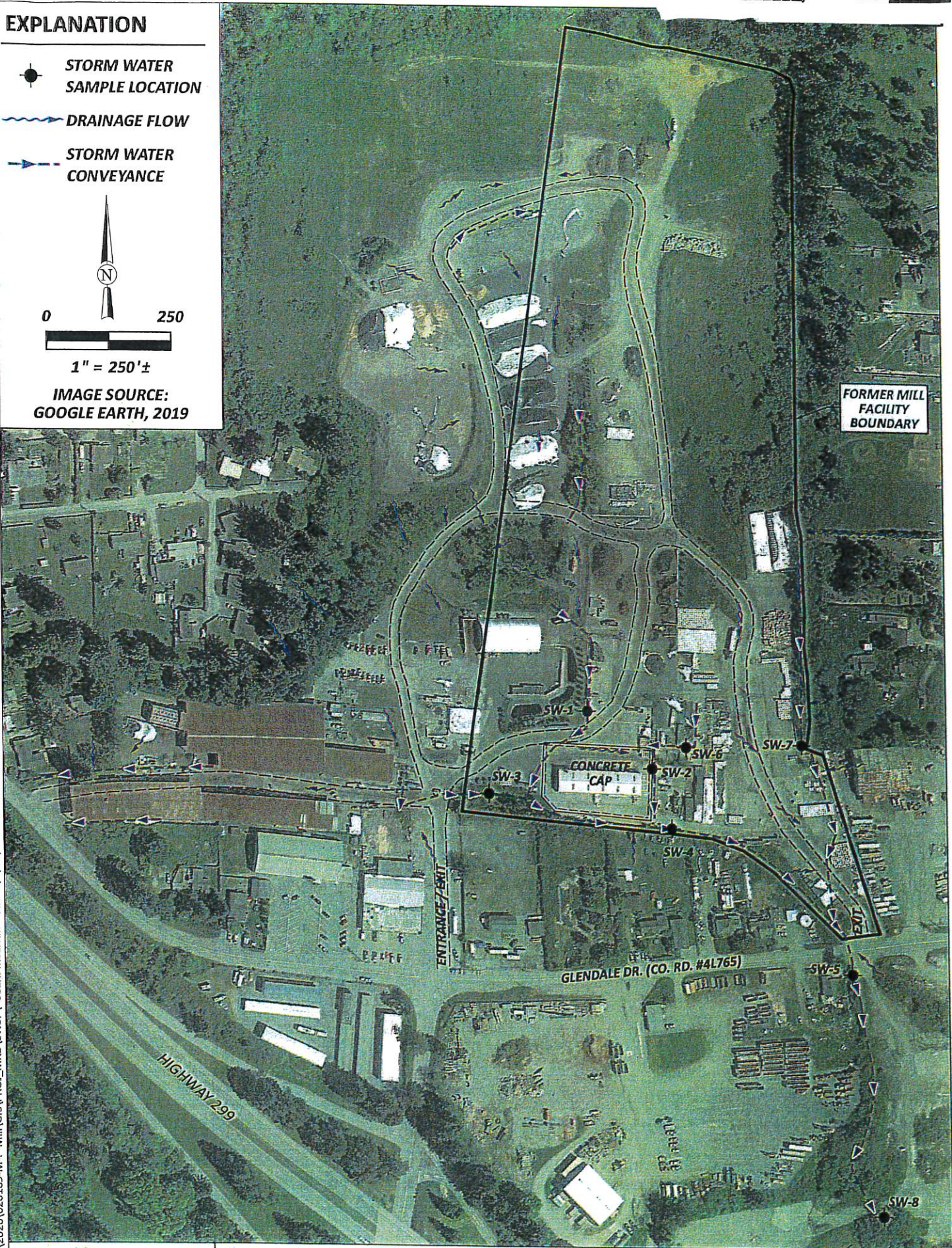
 **DRAINAGE FLOW**

 **STORM WATER CONVEYANCE**



1" = 250'±

IMAGE SOURCE:
GOOGLE EARTH, 2019



FORMER MILL FACILITY BOUNDARY

\\reka\projects\2020\020189-M-P-Mill\GIS\PROJ_MXD\SWSP\ USER: mcurran DATE: 3/1/22, 3:10PM



Former McNamara & Peepe Lumber Mill
Storm Water Sampling Plan
Glendale Drive, Arcata, California

Site Plan with
Storm Water Sample Locations
SHN 020189.050

March 2022

SWSP - Final Site Plan - 20220111

Page 2 of 2

Nicole Yuen

Stormwater Sample Results, February 2023, Former McNamara and Peepe Lumber Mill, 1619 Glendale Drive, Arcata, California; EnviroStor ID: 12240115

May 19, 2023

Page 3

labeled, immediately placed in an ice-filled cooler, and submitted to the laboratory for analyses under the appropriate chain-of-custody documentation.

Monitoring and sampling equipment was cleaned prior to arriving onsite and between use at each sampling location. Small equipment that required onsite cleaning was washed in a water solution containing Liquinox® cleaner, followed by two distilled-water rinses. Appendix 1 presents field notes for stormwater sample collection.

3.0 Laboratory Analysis

Stormwater samples collected were analyzed for:

- chlorinated phenols (pentachlorophenol [PCP] and tetrachlorophenol [TCP]) by National Council for Air and Stream Improvement, Inc. Method 86.07, and
- chlorinated dibenzodioxins and chlorinated dibenzofurans (dioxins and furans) by U.S. Environmental Protection Agency (EPA) Method 8290A

North Coast Laboratories, Ltd., a state-certified analytical laboratory located in Arcata, California, performed the PCP and TCP analysis. The reporting limit (RL) for each constituent are as follows:

- PCP = 0.3 micrograms per liter (ug/L)
- 2,3,4,6-TCP = 1.0 ug/L

Dioxins were analyzed by Enthalpy Analytical - EDH, a state-certified analytical laboratory located in El Dorado Hills, California. The estimated detection limit (EDL) for 2,3,7,8-tetrachlorobenzeno-p-dioxin (TCDD) ranged from 0.466 to 1.36 picograms per liter (pg/L). The method detection limit (MDL) for 2,3,7,8-TCDD analysis for all stormwater samples analyzed was 0.169 pg/L, with the exception of SW-2 and SW-3 with an MDL of 0.170 pg/L.

4.0 Stormwater Sampling Results

Table 1 summarizes the February 27, 2023, stormwater analytical results for dioxins, PCP, and TCP.



Nicole Yuen

Stormwater Sample Results, February 2023, Former McNamara and Peepe Lumber Mill, 1619 Glendale Drive, Arcata, California; EnviroStor ID: 12240115

May 19, 2023

Page 4

**Table 1. Stormwater Analytical Results, February 27, 2023
Former McNamara and Peepe Lumber Mill, Arcata, California**

Sample Location	2,3,7,8-TCDD ^a (pg/L) ^b	2005 WHO TEQ ^c (pg/L)	PCP ^d (ug/L) ^e	TCP ^d (ug/L)
SW-1	<0.714 ^f	0.00	<0.30	<1.0
SW-2	< 1.36	1.73 J ^g	<0.30	<1.0
SW-3	<0.618	0.262 J	<0.30	<1.0
SW-4	<0.597	0.255 J	<0.30	<1.0
SW-5	<0.466	0.483 J	<0.30	<1.0
SW-6	0.805	6.10 J	<0.30	<1.0
SW-7	<0.799	1.66 J	<0.30	<1.0
MCL^h	30	NRⁱ	1.0	NR
PHGs^j	0.05	NR	0.3	NR

^a 2,3,7,8-TCDD: 2,3,7,8-Tetrachlorodibenzodioxin was analyzed in general accordance with EPA Method 8290

^b pg/L: picograms per liter

^c 2005 WHO TEQ: 2005 World Health Organization's Toxic Equivalency Quotient, TEF calculations. TEQs are J-flagged as they are calculated from one or more result with a J-flag (Analyte concentration below calibration range).

^d Pentachlorophenol (PCP) and 2,3,4,6-Tetrachlorophenol (TCP) were analyzed in general accordance with National Council for Air and Stream Improvement, Inc. Method 86.07

^e ug/L: micrograms per liter

^f <: "less than" the stated laboratory reporting limit for chlorophenols and detection limit for dioxins

^g J: The amount detected is below the Reporting Limit/Limit of Quantitation.

^h MCL: maximum contaminant level, State Water Resources Control Board, March 13, 2019

ⁱ NR: no reference

^j PHGs: California public health goals, Office of Environmental Health Hazard Assessment, March 13, 2019

Appendix 2 includes the complete analytical test results, chain-of-custody documentation, and laboratory quality control data. Multipliers used for the 2005 World Health Organization Toxic Equivalency Factors (TEFs) for dioxins and furan compounds are additionally provided in Appendix 2. Historical stormwater sample results for the former McNamara and Peepe Lumber Mill are provided in Appendix 3.

5.0 Discussion of Results

Concentrations of PCP, TCP, or the dioxin congener 2,3,7,8-TCDD were not identified in stormwater samples collected during the February 27, 2023, sampling event above laboratory method detection limits. The stormwater sample collected from location SW-6 did report an estimated maximum potential concentration (EMPC) of 0.805 pg/L for 2,3,7,8-TCDD. TEQs are J-flagged as they are calculated from one or more result with a J-flag (analyte concentration is below the detection limit/limit of quantitation). Analytical results for the most immediate downstream location of the concrete cap (SW-4) indicate no detectable concentrations of 2,3,7,8-TCDD and a TEQ of 0.255 J pg/L.



Table 3-1
Historical Storm Water Sample Results
Former McNamara and Peepe Lumber Mill, Arcata, California

Sample Location	Date	2,3,7,8-TCDD ^a (pg/L) ^b	2005 WHO TEQ ^c (pg/L)	PCP ^d (ug/L) ^e	TCP ^d (ug/L)
SW-1	2/18/21	<0.512 ^f	0.0736 J ^g	<0.30	<1.0
	12/15/21	<0.721	0.351 J	<0.30	<1.0
	4/14/22	<0.743	0.181 J	<0.30	<1.0
	12/08/22	<0.592	4.37 J	<0.30	<1.0
	2/27/23	<0.714	0.00	<0.30	<1.0
SW-2	2/18/21	<0.609	7.79 J	<0.30	<1.0
	12/15/21	<0.508	2.70 J	<0.30	<1.0
	12/15/21 (F) ^h	<0.645	0.308 J	--	--
	4/14/22	5.18	96.1 J	<0.30	<1.0
	12/08/22	<0.604	2.58 J	<0.30	<1.0
	2/27/23	<1.36	1.73 J	<0.30	<1.0
SW-3	2/18/21	<0.530	4.44 J	0.099 J	<1.0
	12/15/21	<0.688	6.82 J	0.091 J	<1.0
	4/14/22	<0.745	0.179 J	<0.30	<1.0
	12/08/22	<0.733	4.47 J	<0.30	<1.0
	2/27/23	<0.618	0.262 J	<0.30	<1.0
SW-4	2/18/21	<0.459	11.4 J	0.11 J	<1.0
	12/15/21	<0.731	5.87 J	<0.30	<1.0
	12/15/21 (F)	<0.715	0.945 J	--	--
	4/14/22	<0.817	0.233 J	<0.30	<1.0
	12/08/22	<0.715	3.30 J	<0.30	<1.0
	2/27/23	<0.597	0.255 J	<0.30	<1.0
SW-5	2/18/21	<0.762	8.04 J	0.14 J	<1.0
	12/15/21	<0.602	4.06 J	<0.30	<1.0
	12/15/21 (F)	<0.785	1.39 J	--	--
	4/14/22	<0.697	3.74 J	<0.30	<1.0
	12/08/22	1.55 J	19.1 J	<0.30	<1.0
	2/27/23	<0.466	0.483 J	<0.30	<1.0
SW-6	12/15/21	5.12	63.9 J	<0.30	<1.0
	12/15/21 (F)	<0.713	0.0572 J	--	--
	4/14/22	4.95	121 J	0.48	<1.0
	12/08/22	<0.700	8.54 J	<0.30	<1.0
	2/27/23	0.805	6.10 J	<0.30	<1.0



Sample Location	Date	2,3,7,8-TCDD ^a (pg/L) ^b	2005 WHO TEQ ^c (pg/L)	PCP ^d (ug/L) ^e	TCP ^d (ug/L)
SW-7	12/15/21	<0.634	4.87 J	0.21 J	<1.0
	12/15/21 (F)	<0.728	0.970 J	--	--
	4/14/22	<0.771	0.317 J	0.15 J	<1.0
	12/08/22	2.59 J	36.8 J	0.12 J	<1.0
	2/27/23	<0.799	1.66 J	<0.30	<1.0
SW-8	12/15/21	<0.797	3.80 J	<0.30	<1.0
	12/15/21 (F)	<0.733	2.38 J	--	--
	4/14/22	<0.715	1.35 J	<0.30	<1.0
MCLⁱ		30	NR^j	1.0	NR
PHGs^k		0.05	NR	0.3	NR

^a 2,3,7,8-TCDD: 2,3,7,8-Tetrachlorodibenzodioxin was analyzed in general accordance with EPA Method 8290

^b pg/L: picograms per liter

^c 2005 WHO TEQ: 2005 World Health Organization's Toxic Equivalency Quotient, TEF calculations. TEQs are J-flagged as they are calculated from one or more result with a J-flag (Analyte concentration below calibration range).

^d Pentachlorophenol (PCP) and 2,3,4,6-Tetrachlorophenol (TCP) were analyzed in general accordance with National Council for Air and Stream Improvement, Inc. Method 86.07

^e ug/L: micrograms per liter

^f <: "less than" the stated laboratory reporting limit

^g J: estimated value

^h (F): Field filtration prior to sample collection using a new 0.45-micron filter

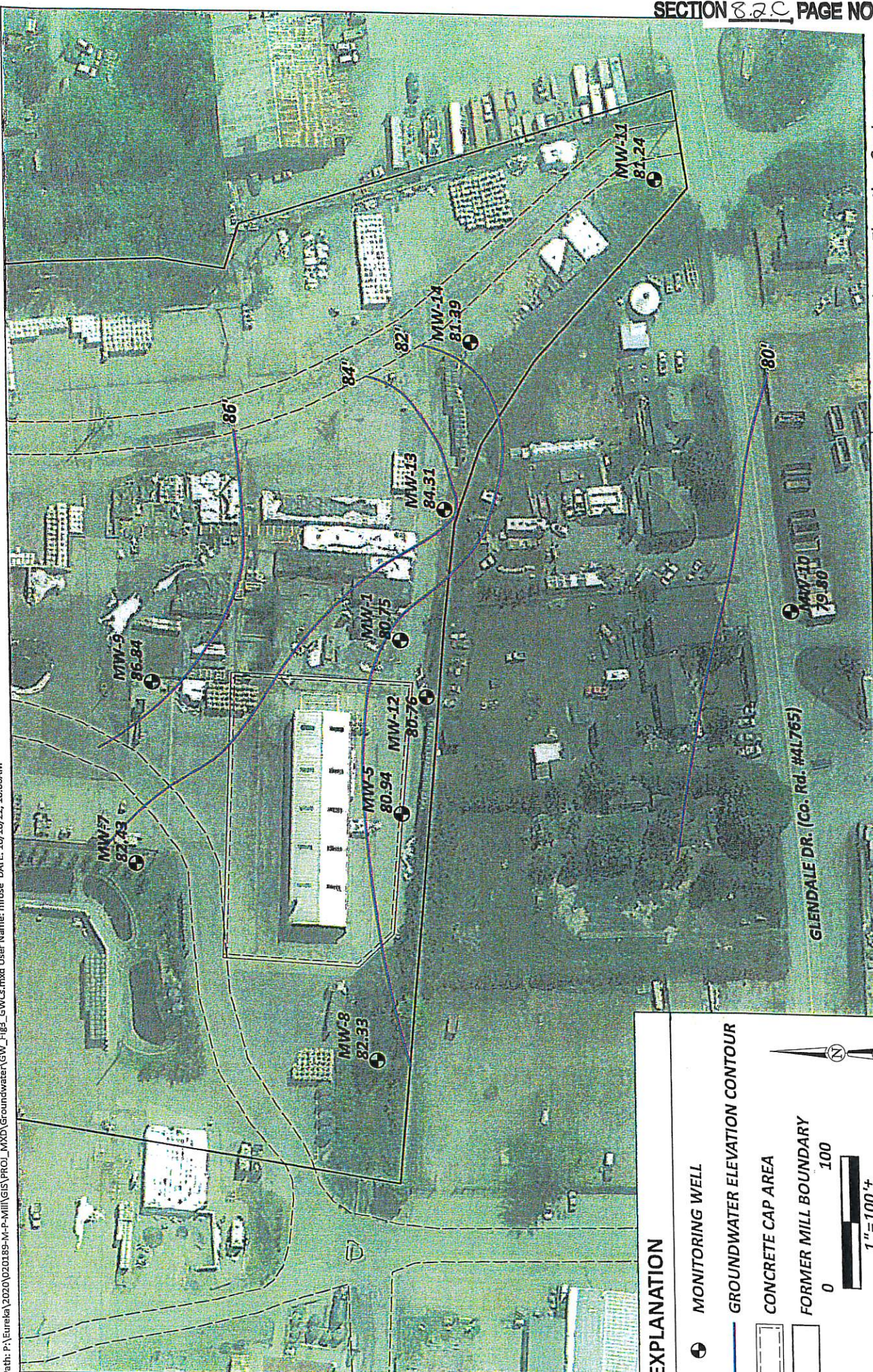
ⁱ MCL: maximum contaminant level, State Water Resources Control Board, March 13, 2019

^j NR: no reference

^k PHGs: California public health goals, Office of Environmental Health Hazard Assessment, March 13, 2019



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EXPLANATION	
	MONITORING WELL
	GROUNDWATER ELEVATION CONTOUR
	CONCRETE CAP AREA
	FORMER MILL BOUNDARY
	0 100 1"=100'



Former McNamara & Peepe Lumber Mill
 Groundwater Monitoring
 1619 Glendale Drive, Arcata, California
 October 2022

Groundwater Elevation Contours
 August 23, 2022
 SHN 020189-030

Image Source:
 Google Earth, 2019

GW_Fig3_GWCS

Figure 3

EXPLANATION

- PRIVATE WELL
- ◆ PRODUCTION WELL
- ⊕ MONITORING WELL

- - - FIRE ACCESS ROAD
- ▭ CONCRETE CAP AREA
- ▭ FORMER MILL BOUNDARY

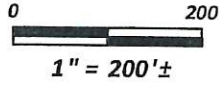
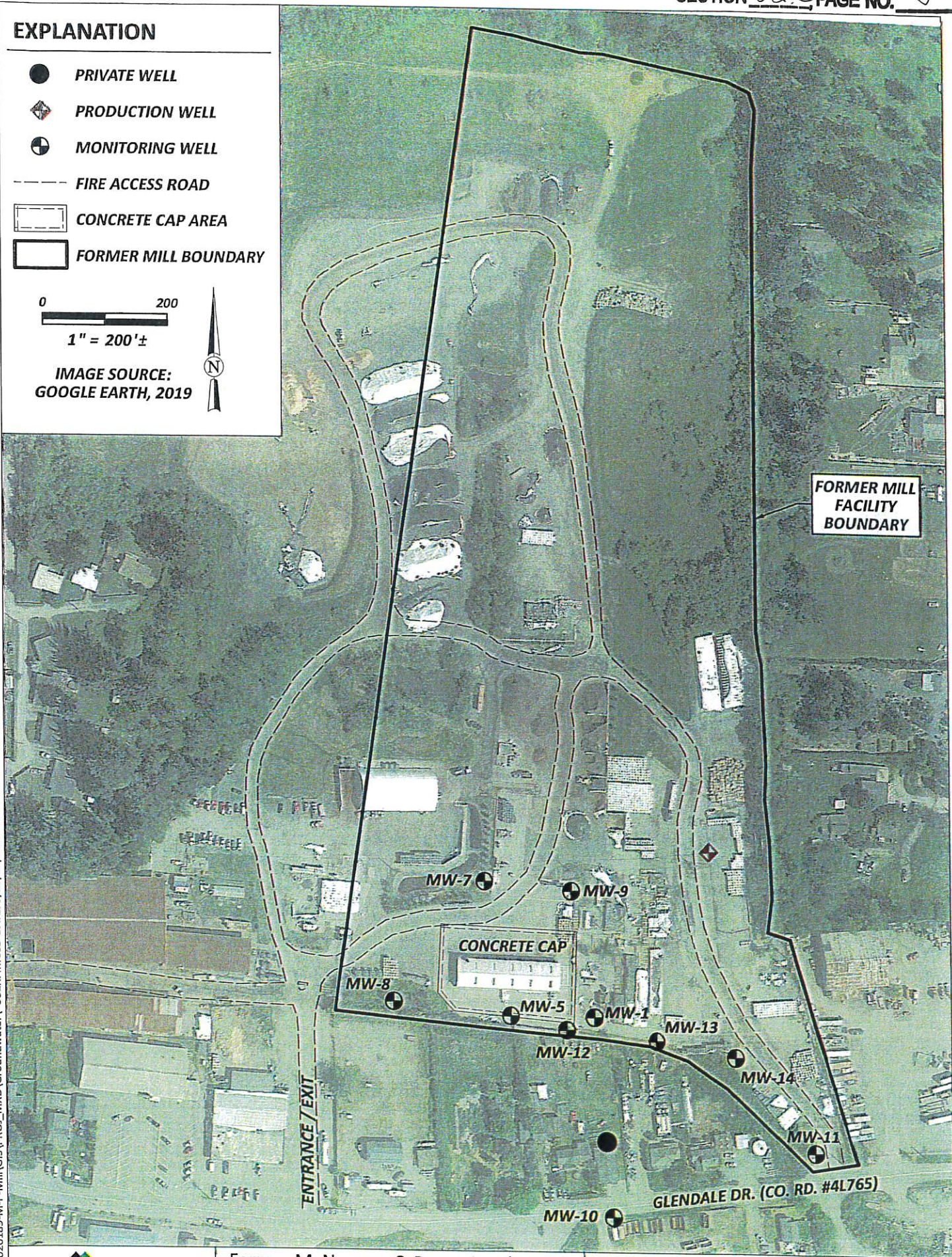


IMAGE SOURCE:
GOOGLE EARTH, 2019



\Eureka\2020\020189-M-P-Mill\GIS\PROJ_MXD\Groundwater\ USER: mrose DATE: 9/26/22, 3:38PM



Former McNamara & Peepe Lumber Mill
Groundwater Monitoring
1619 Glendale Drive, Arcata, California

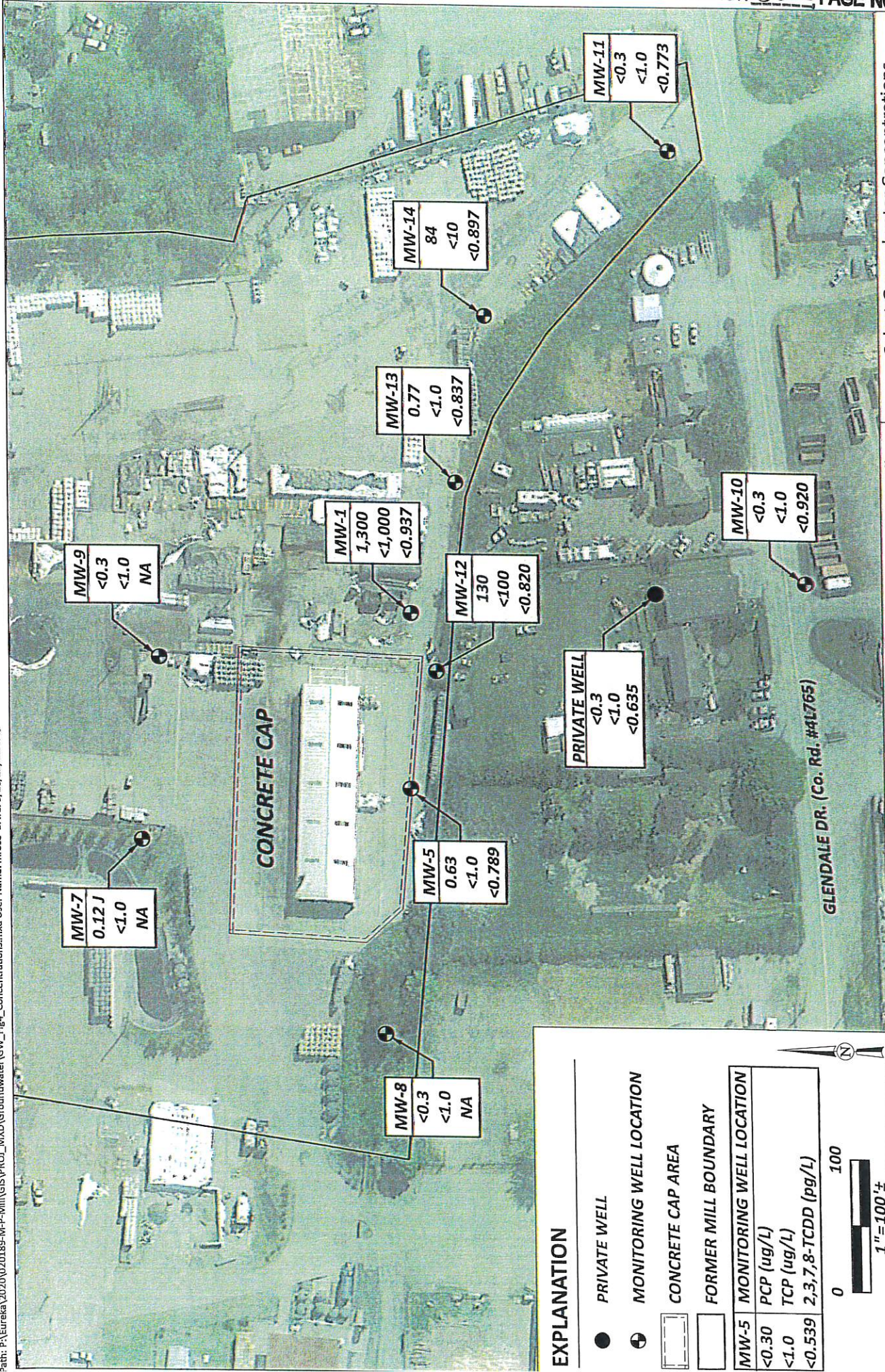
Site Plan

SHN 020189.030

September 2022

SHN 020189.030

Path: P:\Eureka\2020\020189-MP-P-Mill\GIS\PROJ_MXD\Groundwater\GW_Fig4_Concentrations.mxd User Name: mrose DATE: 9/28/22, 3:06PM



EXPLANATION

- PRIVATE WELL
- ⊕ MONITORING WELL LOCATION
- ▭ CONCRETE CAP AREA
- ▭ FORMER MILL BOUNDARY

MW-5	MONITORING WELL LOCATION
<0.30	PCP (ug/L)
<1.0	TCP (ug/L)
<0.539	2,3,7,8-TCDD (pg/L)

0 100
1" = 100' ±



Former McNamara & Peepe Lumber Mill
Groundwater Monitoring
1619 Glendale Drive, Arcata, California

Select Groundwater Concentrations
August 23, 2022
SHN 020189.030

September 2022
GW_Fig4_Concentrations
Figure 4

Image Source:
Google Earth, 2019

**Table 2. Groundwater Analytical Results, August 23, 2022
Former McNamara and Peepe Lumber Mill, Arcata, California**

Sample Location	2,3,7,8-TCDD ^a (pg/L)	2005 WHO TEQ ^b (pg/L)	PCP ^c (ug/L) ^d	TCP ^c (ug/L)
MW-1	<0.937 ^e	34.0	1,300^f	<1,000 ^g
MW-5	<0.789	0.0104	0.63	<1.0
MW-7	NA ^h	NA	0.12 Jⁱ	<1.0
MW-8	NA	NA	<0.3	<1.0
MW-9	NA	NA	<0.3	<1.0
MW-10	<0.920	2.40	<0.3	<1.0
MW-11	<0.773	0.0669	<0.3	<1.0
MW-12	<0.820	0.00513	130	<100 ^g
MW-13	<0.837	0.00408	0.77	<1.0
MW-14	<0.897	0.671	84	<10 ^g
Dup (MW-10)	<0.956	2.11	<0.3	<1.0
Private Well	<0.635	0.0	<0.3	<1.0
MCL^j	30	NR^k	1.0	NR
PHGs^l	0.05	NR	0.3	NR

^a 2,3,7,8-TCDD: 2,3,7,8-Tetrachlorodibenzodioxin was analyzed in general accordance with EPA Method 8290

^b 2005 WHO TEQ: 2005 World Health Organization's Toxic Equivalency Factor

^c Pentachlorophenol (PCP) and 2,3,4,6-Tetrachlorophenol (TCP) were analyzed in general accordance with National Council for Air and Stream Improvement, Inc. Method 86.07.

^d ug/L: micrograms per liter

^e <: "less than" the stated method detection limit

^f **Bold** values indicate an exceedance of the MCL or PHGs.

^g Sample was diluted due to the level of target analytes present in the sample. The method reporting limit was raised to reflect the required dilution.

^h NA: not analyzed

ⁱ J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

^j MCL: maximum contaminant level, State Water Resources Control Board (March 13, 2019).

^k NR: no reference

^l PHGs: California public health goals, Office of Environmental Health Hazard Assessment (March 13, 2019).

Samples from monitoring wells MW-1, MW-12, and MW-14 were diluted by the testing laboratory (NCL) due to the level of target analytes present in the sample (PCP). As a result, the MDLs were raised to reflect the required dilution. Appendix 3 includes the complete analytical test results, chain-of-custody documentation, and laboratory quality control data.

4.3 Field Measured Parameters

Measurements for groundwater field parameters collected from site wells during the August 2022 sampling event are included in Table 3.



**Table 2-3
Groundwater Analytical Results
2015 to 2022**

Well Name	Date	PCP	TCP	Chromium	Hexavalent Chromium	Nitrate	Total Iron	Ferrous Iron	Arsenic	Sulfate	Chloride	TPHD	VOCs (DIPs)
MW-1	5/13/2015	690 ^a	14	--	--	--	--	--	--	--	--	--	--
	5/13/2015 (FD)	560 ^a	12	--	--	--	--	--	--	--	--	--	--
	11/11/2015	610 ^a	120	--	--	--	--	--	--	--	--	--	--
	11/11/2015 (FD)	670 ^a	120	--	--	--	--	--	--	--	--	--	--
	5/23/2016	830 ^a	7.1	--	--	--	--	--	--	--	--	--	--
	5/23/2016 (FD)	1,100 ^a	8	--	--	--	--	--	--	--	--	--	--
	12/14/2016	1.2 ^a	<1.0	<5.0	<5.0	0.99	25	<100	<10	18	19	--	--
	12/14/2016 (FD)	1.2 ^a	<1.0	--	--	--	--	--	--	--	--	--	--
	5/8/2017	570 ^a	8.4	--	--	--	--	--	--	--	--	--	--
	5/8/2017 (FD)	530a	7.9	--	--	--	--	--	--	--	--	--	--
	8/21/2019	1,200 ^a	29	--	<1.0	--	--	--	--	--	--	740 AJ	1.7
	3/5/2021	460 ^a	5.6	--	--	--	--	--	--	--	--	--	--
	2/22/2022	920 ^a	9.7	--	--	--	--	--	--	--	--	--	--
	8/23/2022	1300 ^a	<1,000 B9	--	--	--	--	--	--	--	--	--	--
MW-5	5/13/2015	35 ^a	4.3	--	--	--	--	--	--	--	--	--	--
	11/11/2015	65 ^a	3.3	--	--	--	--	--	--	--	--	--	--
	5/23/2016	56 ^a	1.6	--	--	--	--	--	--	--	--	--	--
	12/14/2016	39 ^a	2.3	<5.0	<5.0	<0.10	330	600	<10	12	45	--	--
	5/8/2017	46 ^a	2.3	--	--	--	--	--	--	--	--	--	--
	8/21/2019	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/2021	18	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	19	1.1	--	--	--	--	--	--	--	--	--	--
	8/23/2022	0.63	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	0.63	<1.0	--	--	--	--	--	--	--	--	--	--
MW-7	5/13/2015	0.39	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/8/2017	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	<0.3	<1.0	--	<1.0	--	--	--	--	--	--	<50	<0.5
	3/5/2021	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	0.26 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	0.12 J	<1.0	--	--	--	--	--	--	--	--	--	--
MW-8	5/13/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/8/2017	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	<0.3	<1.0	--	--	--	--	--	--	--	--	--	<0.5
	3/5/2021	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	0.21 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
MW-9	5/13/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	<0.3	<1.0	<5.0	<5.0	1.1	<15	<100	--	1.9	10	--	--
	5/8/2017	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	<0.3	<1.0	--	--	--	--	--	--	--	--	--	<0.5
	3/5/2021	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	0.21 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
MW-10	5/13/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	<0.6	<2.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	<0.3	<1.0	<5.0	<5.0	0.11	58	<100	<10	1.5	0.96	--	--
	5/8/2017	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	<0.3	<1.0	--	<1.0	--	--	--	--	--	--	280 AJ	<0.5
	8/21/2019 (FD)	<0.3	<1.0	--	<1.0	--	--	--	--	--	--	210 AJ	<0.5
	3/5/2021	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	3/5/2021 (FD)	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	0.12 J	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022 (FD)	0.26 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022 (FD)	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
MW-11	5/13/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	0.67	<1.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/8/2017	1.9 ^a	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	<0.3	<1.0	--	--	--	--	--	--	--	--	--	<0.5
	3/5/2021	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	0.14 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
MW-12	5/13/2015	82 ^a	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	51 ^a	<1.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	120 ^a	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	46 ^a	<1.0	<5.0	<5.0	0.13	<15	<100	<10	5.4	28	--	--
	5/8/2017	81 ^a	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	110 ^a	1.7	--	--	--	--	--	--	--	--	--	--
	3/5/2021	120 ^a	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	120 ^a	0.49 J	--	--	--	--	--	--	--	--	--	--
	8/23/2022	130 ^a	<100 B9	--	--	--	--	--	--	--	--	--	--
MW-13	2/22/2022	0.27 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	0.77	<1.0	--	--	--	--	--	--	--	--	--	--
MW-14	2/22/2022	85 ^a	1.7	--	--	--	--	--	--	--	--	--	--
	8/23/2022	84 ^a	<10 B9	--	--	--	--	--	--	--	--	--	--



NEW BUSINESS

Humboldt Bay Municipal Water District

To: Board of Directors
From: John Friedenbach
Date: November 9, 2023

**Re: License Agreement with Foster Clean Power A & B Solar Project
APN 505-151-012-000
2428 Foster Avenue, Arcata**

Discussion

Arcata Land Company, LLC owns APN 505-151-012, 506-231-019, and 506-231-022; 2428 Foster Avenue in Arcata. The District has an easement (August 23, 1961; Simpson Redwood Company) for our water transmission lines (industrial and domestic) that traverse through these parcels. Foster Clean Power A, LLC and Foster Clean Power B, LLC is the developer and operator of a commercial solar and energy storage facilities on these parcels.

As a condition of development in the close proximity of our transmission pipelines, the County of Humboldt Planning and Building department approved the following condition in the building permit for the solar and energy projects.

"The applicant shall enter into a license agreement with the Humboldt Bay Municipal Water District (HBMWD) to allow HBMWD to utilize the proposed 15-foot-wide maintenance road adjacent to the 30-foot waterline easement (Easement), and where the maintenance road no longer borders the Easement, a 15-foot-wide strip of land along the south side of the Easement, to allow access to and maintenance of the water lines, on the condition that (1) HBMWD may use the 15-foot-wide maintenance road and/or 15-foot-wide strip only when it is not reasonably able to confine its activities to the Easement; and (2) if HBMWD removes any portion of the project perimeter fence in connection with its use of the 15-foot-wide maintenance road and/or 15-foot-wide strip, the fence shall be promptly replaced at the expense of HBMWD. The license agreement shall include an exhibit depicting the license area, standard insurance, indemnity, and reserved rights provisions, and shall terminate automatically at such time that the project is decommissioned. Except in the event of an uncured default, as specified in the license agreement, the license shall be irrevocable while the project remains in operation and shall bind any successors of applicant."

Attached for your consideration and possible approval is the Access License Agreement that has been negotiated between Foster Clean Power A, LLC and Foster Clean Power B, LLC and the District. This agreement has been reviewed and approved by District Counsel.

Staff Recommendation

Staff recommends that the Board authorize staff to sign the Access License Agreement and record the fully executed agreement at the Humboldt County Recorder's Office.

GRANT OF ACCESS LICENSE AND AGREEMENT

THIS GRANT OF ACCESS LICENSE AND AGREEMENT (“Agreement”) is made by and between **FOSTER CLEAN POWER A LLC and FOSTER CLEAN POWER B LLC**, both of which are a California limited liability company (collectively, “Grantor”), and **HUMBOLDT BAY MUNICIPAL WATER DISTRICT**, a public water district formed pursuant to California law (“Grantee”), to be effective as of the date of its recordation (the “Effective Date”) in the Office of the Humboldt County (California) Recorder, as follows:

Recitals

A. Grantor is a developer and operator of commercial solar and energy storage facilities. On January 19, 2023, the Humboldt County Planning Commission approved a Conditional Use Permit (“Use Permit”) authorizing Grantor to construct and operate a commercial solar and energy storage facility (the “Facility”) on the that certain real property situated in an unincorporated area of Humboldt County, California near the City of Arcata, and identified by Assessor’s Parcel Numbers 505-151-012, 506-231-019, and 506-231-022 (the “Property”). The Property is owned by Arcata Land Company, LLC, (“ALC”) and is leased to Grantor.

B. Grantee is the operator of public water systems, and currently holds a water line easement and additional rights over the Property (the “Water Line Easement”). The Water Line Easement grant is attached hereto as **Exhibit A**. Two water transmission pipelines are currently located within the Water Line Easement (the “Water Lines”).

C. Use Permit Condition of Approval 4 (“COA 4”) requires Grantor to grant an access license to Grantee meeting certain terms and conditions. COA 4 provides as follows:

The applicant shall enter into a license agreement with the Humboldt Bay Municipal Water District (HBMWD) to allow HBMWD to utilize the proposed 15-foot-wide maintenance road adjacent to the 30-foot waterline easement (Easement), and where the maintenance road no longer borders the Easement, a 15-foot-wide strip of land along the south side of the Easement, to allow access to and maintenance of the water lines, on the condition that (1) HBMWD may use the 15-foot-wide maintenance road and/or 15-foot-wide strip only when it is not reasonably able to confine its activities to the Easement; and (2) if HBMWD removes any portion of the project perimeter fence in connection with its use of the 15-foot-wide maintenance road and/or 15-foot-wide strip, the fence shall be promptly replaced at the expense of HBMWD. The license agreement shall include an exhibit depicting the license area, standard insurance, indemnity, and reserved rights provisions, and shall terminate automatically at such time that the project is decommissioned. Except in the event of an uncured default, as specified in the license agreement, the license shall be irrevocable while the project remains in operation and shall bind any successors of applicant.

D. Grantor desires to grant to Grantee, pursuant to the terms and conditions of this Agreement, a license to access and use the 15-foot-wide maintenance road adjacent to the Water Line Easement, and where the maintenance road no longer borders the Water Line Easement, a 15-foot-wide strip of land along the south side of the Water Line Easement, to allow Grantee to access and maintain the Water Lines. The described portion of the maintenance road and the strip of land along the south side of the Water Line Easement subject are hereafter referred to as the “License Area”.

///

///

THEREFORE, for good and valuable consideration, the sufficiency of which is acknowledged, the parties agree as follows:

Agreement

1. **Recitals Incorporated.** The recitals set forth above are hereby incorporated into and made a part of this Agreement.

2. **Grant of License.** Subject to the terms and conditions set forth in this Agreement, Grantor hereby grants and conveys to Grantee and Grantee's agents, employees, engineers, contractors, consultants, and representatives (collectively, "Grantee's Agents") a license to enter the Property for the purpose of accessing and maintaining the Water Lines within the Water Line Easement. The license shall encompass a 15.00 foot wide area as depicted in **Exhibit B** hereto (the "License Area"). The License shall be non-exclusive. For purposes of this Agreement, "maintaining the Water Lines" or "maintenance activities" includes the right of Grantee or Grantee's Agents to operate, maintain, inspect, repair, or replace the Water Lines, or to conduct such additional activities permitted by the Water Line Easement.

3. **Use of License Area.** The License includes the right to access the Property for the purpose of accessing and performing maintenance activities on the Water Lines within the Water Line Easement only when Grantee is not reasonably able to confine its maintenance activities to the Water Line Easement. Grantee may perform such maintenance activities at all reasonable times and shall provide Grantor 48 hours of advance telephone or e-mail notice prior to performing any scheduled work requiring excavation; provided, however, that in the event of the need for emergency repair work, Grantee shall provide as much advance notice as the circumstance reasonably allow, but the failure to provide advance notice shall not prohibit Grantee from accessing the License Area to conduct such emergency repair work. Grantor shall be responsible for providing Grantee with a current list of contacts including names, telephone numbers and e-mail addresses. All work shall be undertaken in a manner that reasonably minimizes and causes the least amount of disturbance to the Property. Grantee shall promptly repair any damage to the Property and any improvements thereon caused by Grantee's maintenance of the Water Lines. All work shall be performed in a professional, workmanlike manner. Grantee, at its sole cost and expense, shall promptly repair and restore all portions of the Property, including fencing, disturbed by Grantee in connection with maintenance of the Water Lines, to the condition existing prior to such disturbance.

4. **General Reserved Rights.** Grantor retains the right to make any use of the Property, including but not limited to surface and subsurface areas, that does not interfere unreasonably with Grantee's free use and enjoyment of the License Area or Grantee's rights under the Water Line Easement.

5. **Indemnity.**

5.1 By Grantee. Grantee agrees to indemnify Grantor and hold Grantor and ALC harmless from and against all liens or claims for payment for maintenance of the Water Lines, and for any liabilities, obligations, damages, penalties, claims, costs, charges and expenses, including, without limitation, reasonable attorneys' fees and other professional fees (if and to the extent permitted by law) ("Liabilities"), incurred by any person or entity in connection with, arising out of or related in any way to the failure to pay for work associated with the Water Lines, or any injury to or death of any person, or damage to or loss of any property, or damages which may be imposed upon, incurred by, or asserted against the Grantor and/or ALC arising, directly or indirectly, out of or in connection with Grantee's or Grantee's Agents' use and occupancy of the License Area. Notwithstanding anything in this Section 5.1 to the contrary, Grantee shall not be obligated to indemnify or hold Grantor or ALC harmless from a Liability to the extent such Liability is caused by the active negligence or willful misconduct of Grantor, ALC, or any of their principals, employees, agents, invitees, tenants, sub-tenants, consultants, or contractors (or any of

their sub-contractors).

5.2 **By Grantor.** Grantor agrees to indemnify Grantee and hold Grantee harmless from and against any liabilities, obligations, damages, penalties, claims, costs, charges and expenses, including, without limitation, reasonable attorneys' fees and other professional fees (if and to the extent permitted by law) ("Liabilities"), incurred by any person or entity in connection with, arising out of or related in any way to the failure to pay for work associated with the development, use, or operation of the Facility, or any injury to or death of any person, or damage to or loss of any property, or damages which may be imposed upon, incurred by, or asserted against the Grantee arising, directly or indirectly, out of or in connection with Grantor's or Grantor's Agents' use and occupancy of the Property. Notwithstanding anything in this Section 5.2 to the contrary, Grantor shall not be obligated to indemnify or hold Grantee harmless from a Liability to the extent such Liability is caused by the active negligence or willful misconduct of Grantee or any of its principals, employees, agents, invitees, tenants, sub-tenants, consultants, or contractors (or any of their sub-contractors).

6. **Insurance.** Grantee shall maintain, and shall ensure that Grantee's Agents maintain, public liability and property damage insurance insuring against any liability arising out of any use of the License Area pursuant to the provisions hereof. Such insurance maintained by Grantee or Grantee's Agents (as applicable) shall be in the amount of four million dollars (\$4,000,000) combined single limit for injury to or death of one or more persons in an occurrence, and for damage to tangible property (including loss of use) in an occurrence. The policy maintained by Grantee will insure the contractual liability of Grantee covering the indemnities herein and will (1) name Grantor and ALC (and their successors, assigns, and affiliates) as additional insureds, (2) contain a cross-liability provision, and (3) contain a provision that the insurance provided by Grantee hereunder will be primary and noncontributing with any other insurance available to Grantor or ALC. The aforementioned insurance coverage may be obtained under a blanket policy carried by Grantee or Grantee's Agents, as the case may be. Grantee shall provide Grantor with evidence of such insurance coverage before any use of the License Area.

7. **Water Line Easement.** Nothing in this Agreement is intended to amend, modify, or otherwise affect the rights granted to or the obligations imposed upon Grantee or ALC, as successor in title to the original grantor of the Water Line Easement, pursuant to the Water Line Easement.

8. **Term and Termination.**

7.1 **Term.** Subject to Paragraph 7.2 below, the License created by this Agreement shall remain effective for the duration of the Facility's operational life, and shall terminate automatically upon decommissioning of the Facility ("Term").

7.2 **Termination.** The License created by this Agreement may be terminated under the following conditions:

- a. By Grantor, should Grantee violate any term or condition of this Agreement and fail to cure or diligently commence curing such violation within thirty (30) days after receiving written notice from Grantor; and
- b. Automatically upon expiration of the Term.

9. **Manner of Giving Notice.** Except as otherwise provided herein, all notices and demands that either party is required or desires to give to the other shall be given in writing by personal delivery, express courier service, certified mail, return receipt requested, or by e-mail to the address or e-mail address set forth below for the respective party, provided that if any party gives notice of a change of name, address,

or e-mail address, notices to that party will thereafter be given as demanded in that notice. All notices and demands so given will be effective upon receipt by the party to whom notice or a demand is being given.

10. **Attorneys' Fees.** If any legal action or proceeding arising out of or relating to this Agreement is brought by either party to this Agreement, the prevailing party shall be entitled to receive from the other party, in addition to any other relief that may be granted, the reasonable attorneys' fees, costs, and expenses incurred in the action or proceeding by the prevailing party.

11. **Entire Agreement.** This Agreement is the final expression of, and contains the entire agreement between, the parties with respect to the subject matter hereof and supersedes all prior understandings with respect thereto. This Agreement may neither be modified, changed, supplemented, or terminated, nor may any obligations hereunder be waived, except by written instrument signed by the party to be charged or by its agent duly authorized in writing or as otherwise expressly permitted herein.

12. **Governing Law; Venue.** The parties hereto acknowledge that this Agreement has been negotiated and entered into in the State of California. The parties hereto expressly agree that this Agreement will be governed by, interpreted under, and construed and enforced in accordance with the laws of the State of California. Any action arising from this Agreement shall be venued in the Superior Court of California in and for the County of Humboldt.

13. **Authority.** Each person executing this Agreement represents and warrants that he or she has the power and authority to execute and deliver this Agreement on behalf of the party for which such execution and delivery is being made.

14. **Binding Effect.** This Agreement shall be binding on and shall inure to the benefit of the heirs, executors, administrators, successors, and assigns of Grantor and Grantee.

SIGNATURES ON FOLLOWING PAGE

15. **Counterparts.** This Agreement may be executed in any number of counterparts, each of which will be deemed an original, and all of which, together, will constitute one and the same instrument.

GRANTOR
FOSTER CLEAN POWER A LLC

GRANTEE
HUMBOLDT BAY MUNICIPAL WATER DISTRICT

By: Ardeshir Arian, Managing Member

By: John Friedenbach, General Manager

DATED: _____

DATED: _____

4675 Stevens Creek Blvd., Suite 250
Santa Clara, CA 95051
Tel: (408) 663-6647
Email: ardi@renewam.com

P.O. Box 95
Eureka, CA 95502-0095
Tel: (707) 443-5018
Email: friedenbach@hbmwd.com

GRANTOR
FOSTER CLEAN POWER B LLC

By: Ardeshir Arian, Managing Member

DATED: _____

4675 Stevens Creek Blvd., Suite 250
Santa Clara, CA 95051
Tel: (408) 663-6647
Email: ardi@renewam.com

Exhibit A

GRANT OF RIGHT OF WAY AND AGREEMENT

I. PREAMBLE

THIS EASEMENT AND RIGHT OF WAY AGREEMENT, made and entered into this 13rd day of August, 1961, by and between SIMPSON REIMOOD COMPANY, a Washington Corporation, 2000 Washington Building, Seattle 1, Washington, hereinafter referred to as "Grantor", and HUMBOLDT BAY MUNICIPAL WATER DISTRICT, a Political subdivision of the State of California, duly organized, existing and acting pursuant to the laws thereof, P.O. Box 95, Eureka, California, hereinafter referred to as "Grantee"

W I T N E S S E T H :

II. CONVEYANCE CLAUSE

A. Grantor does hereby grant and convey to Grantee, subject to the reservations, restrictions, and to full compliance with each and all of the terms and conditions herein contained, a permanent easement and right of way along and across the following described real property situated in the County of Humboldt, State of California, to wit:

Portions of the SE $\frac{1}{4}$ Section 19, the W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 20, and the NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 30
All in T6N - R1E - E.M.

III. DESCRIPTION OF RIGHT OF WAY

- A. A strip of land over and across portions of the SE $\frac{1}{4}$ Section 19, W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 20, and the NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 30, all in T6N - R1E - E.M., such strip being 15 feet in width on each side of the center line described as follows:
- Beginning at an angle point in the above mentioned centerline, said angle point being found 1036.6 feet north and 643.9 feet east of the Section corner common to Sections 19, 20, 29 and 30 as located and described in Book 12 of Surveys of the public records of Humboldt County, Page 13;
thence S 69 degrees 37 minutes 30 seconds W 1314.8 feet;
thence S 26 degrees 24 minutes W 479.4 feet;

thence S 63 degrees 21 minutes 40 seconds W
524.4 feet to the northerly line of the Arcata
and Mad River Rail Road Property

Containing 1.67 acres, more or less.

IV. PURPOSE AND USES

- A. Said easement and right of way shall be used for the sole purpose of water transmission and/or distribution system utilizing 42" minimum diameter pipe, to be constructed or installed, and for purposes reasonably incidental thereto, but for no other purpose; PROVIDED, however, that Grantee shall have the right to enlarge its pipe or pipes to any size Grantee shall deem necessary or desirable, and after the initial installation of pipe or pipes, to lay, construct, maintain, operate, repair, and renew additional lines of pipe.
- B. The Grantee to have and to hold said easement so long as such line or lines and appurtenances thereto shall be maintained as herein provided, with ingress to and egress from the premises, for the purpose of constructing, inspecting, repairing, maintaining and replacing the property of Grantee and the removal of such at will, in whole or in part.
- C. Grantee's right to the use of said easement and right of way is not exclusive and Grantor may use and enjoy the premises except for the purposes herein granted to the Grantee, and may pave the surface of said easement strip, use the same for storage, may cross and recross the same with roads, electric lines, power lines, water lines, gas lines and other utility service lines; provided the Grantor shall not erect or construct any permanent building or other structure in, on, upon, under or over said easement and right of way, or construct any other permanent structure or obstruction which would substantially interfere with Grantee's use of the easement for the purposes herein set forth or with the maintenance or repair by Grantee of its pipe line or pipe lines.
- D. For purposes of ingress to or egress from said easement Grantee shall use such roadways as now exist or which may hereafter be constructed by Grantor, or in the event such ingress and egress be

inadequate, to reasonably install and service said easement and pipeline or pipelines as hereinabove provided Grantee shall use such other roads or accessways across Grantor's property as may be designated and approved in advance by Grantor.

M. The Grantee shall cover all pipelines with a minimum depth of four (4) feet of fill material; all pavement to be replaced and the land returned to original state as of time of commencement of construction.

V. TERM OF EASEMENT

This grant of easement and right of way shall continue as long as used for the purposes granted, but if for a period of five years Grantee shall cease to use the rights, privileges and authorities for the purposes granted, or shall abandon the use of the easement and right of way herein granted, then, in any of such events, said easement and right of way and all rights hereunder shall automatically cease and terminate, and said easement and right of way shall revert to the then holder of the fee title to the real property; and Grantee, for itself and for its successors and assigns, agrees to execute and deliver such documents as may be required to extinguish of record said easement and right of way.

VI. CONSIDERATION CLAUSES

A. Payment of Taxes

Grantee agrees to pay all taxes that may be imposed in connection with said right of way improvements; and all taxes imposed on said right of way itself in the event it should be segregated on the tax rolls.

B. In consideration for the rights and privileges herein granted, Grantee has paid Grantor the sum of One Hundred Dollars (\$100.00), the receipt of which is hereby acknowledged.

VII. MAINTENANCE

Grantee agrees at all times to keep said right of way and the facilities constructed or installed thereon in a reasonable state of repair.

VIII. RESERVATIONS AND RESTRICTIONS

A. Matters of Record

Subject to matters relating to water and water rights and all

reservations, easements, and restrictions of record.

B. Vegetation Growth and Timber

Grantor reserves unto itself, its successors and assigns, the right to obtain any vegetation growing upon said area pertinent to this easement, PROVIDED, however, that Grantee shall have the right from time to time to cut and remove all trees, all undergrowth, and any other obstructions that may injure, endanger, or interfere with the construction and use of said pipeline or lines, or fittings and appliances appurtenant to any of said lines.

C. Reservation of Right to Relocate

Grantor, at its sole cost and expense, shall have the right to realign or relocate said easement, right of way, and Grantee's pipeline or pipelines, if, in Grantor's judgment the same shall be necessary or economically advisable for Grantor's use of easement lands or of contiguous lands, and if such realignment or relocation can be accomplished by Grantor without interruption of water service to Grantor's other water users. In such event, Grantor shall obtain and grant, without further consideration to Grantee, such additional rights of way and easements as may be required for such realignment or relocation and Grantee shall, by instrument in recordable form, deed back to the then-holder of the fee estate the portion of said easement and right of way replaced by such realigned or relocated easement and right of way.

D. Non-Assignable

This easement and right of way is personal to Grantee and the same may not be assigned by operation of law or otherwise without the written consent of Grantor, its successors and assigns.

IX. COVENANTS

A. Grantee does hereby agree to comply with all laws, rules, regulations and ordinances of Humboldt County, State of California and the United States of America now in effect or hereinafter promulgated relating to the construction, inspection, repairing

maintaining, replacing and removal of the aforesaid pipe lines and appurtenances.

B. Installation of Gates

If the Grantor requests installation of gates in writing, the Grantee agrees to install a gate or gates at the entrance or entrances to said right of way and at all times to maintain properly the same to the end that the public shall be denied the use of the right of way or the adjacent lands of Grantor, its successors and assigns, as much as is reasonably possible.

C. Indemnity

Grantee assumes all risk of injury to persons or damage to property in any manner resulting from or arising out of, or connected with Grantee's construction, maintenance and operations, and agrees to indemnify, defend, and save harmless Grantor from any and all loss, cost, damage charge or expense caused by, or resulting from, any such injury or damage. Grantee agrees to save and hold harmless the Grantor from all liens, costs, charges, claims or damages, and all expenses of any kind or nature whatsoever arising or growing out of this easement.

D. Indemnity Insurance

During the term of this easement and right of way, Grantee shall pay for insurance against liability imposed by law arising from Grantee's operation, including the operation of vehicles and contractual obligations, in form and substance acceptable to Grantor, and in amounts of not less than One Hundred Thousand Dollars (\$100,000.00) for any one bodily injury, sickness, disease or death, and not less than Three Hundred Thousand Dollars (\$300,000.00) for any one occurrence and Three Hundred Thousand Dollars (\$300,000.00) property damage. Such policy or policies shall not contain a humidity warranty clause nor shall Grantor be named insured under these policies. Grantee shall immediately provide Grantor with

proper evidence of such insurance coverage. Grantor shall be given ten (10) days notice of any cancellation, expiration or modification of any such policy or policies.

X. DEFAULT

In the event the Grantee shall become in default in the performance or failure to perform all of the agreements, covenants and conditions on its part to be performed hereunder and such default shall continue and not be remedied within thirty (30) days after notice of default is given by Grantor to Grantee, the Grantor shall be entitled to seek and collect such damages as may result thereby, however Grantor reserves the right to exercise any and all other relief or remedies for such breach and default as may be provided from time to time by the laws of the State of California.

XI. NOTICES

All notices to be given by either party hereto to the other, as required herein, shall be in writing and shall be deemed to have been properly given when deposited in the United States mail in certified form, postage prepaid, addressed to such party at its address hereinabove set forth, or at such other address as shall theretofore have been designated by such party by written notice to the other.

XII. TERMINOLOGY

Wherever reference is made herein to "Grantor" the same shall be deemed to include the successors and assigns of Grantor.

IN WITNESS WHEREOF, the Grantor and Grantee have hereunto

set their hands this 23rd day of August, 1961.

SIMPSON REDWOOD COMPANY

HINSDOLT BAY MUNICIPAL WATER DISTRICT

Handwritten scribble

BY [Signature]
President
Chairman

BY _____
President

Attest:
[Signature]
Secretary

Attest:

Secretary

Grantor.

Grantee.

Exhibit B



RENEWABLE AMERICA LLC
4975 S. HAYWARD AVENUE, SUITE 250
SAN JOSE, CA 95128
TEL: (408) 693-6647 X702
ADMIN@RENEWAM.COM

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NOT FOR CONSTRUCTION.

NO.	REVISION / ISSUE	DATE
0.	A002	26-Oct-23

PROJECT NAME:
FOSTER CLEAN POWER A&B

PROPERTY OWNER:
Arcata Land Company, LLC
(707)-848-7721

PARCEL NUMBER:
506-231-019, 505-151-012, 506-231-022

LOCATION:
Foster Ave, Arcata, CA
95521

PGI GPS COORDINATE:
40.88197, -124.1019

DRAWING TITLE:
FOST-A&B SITE PLAN

AUTOCAD FILE NAME:
FOST-A&B SITE PLAN.dwg

PLOT FILE NAME:
FOST-A&B SITE PLAN.dwg

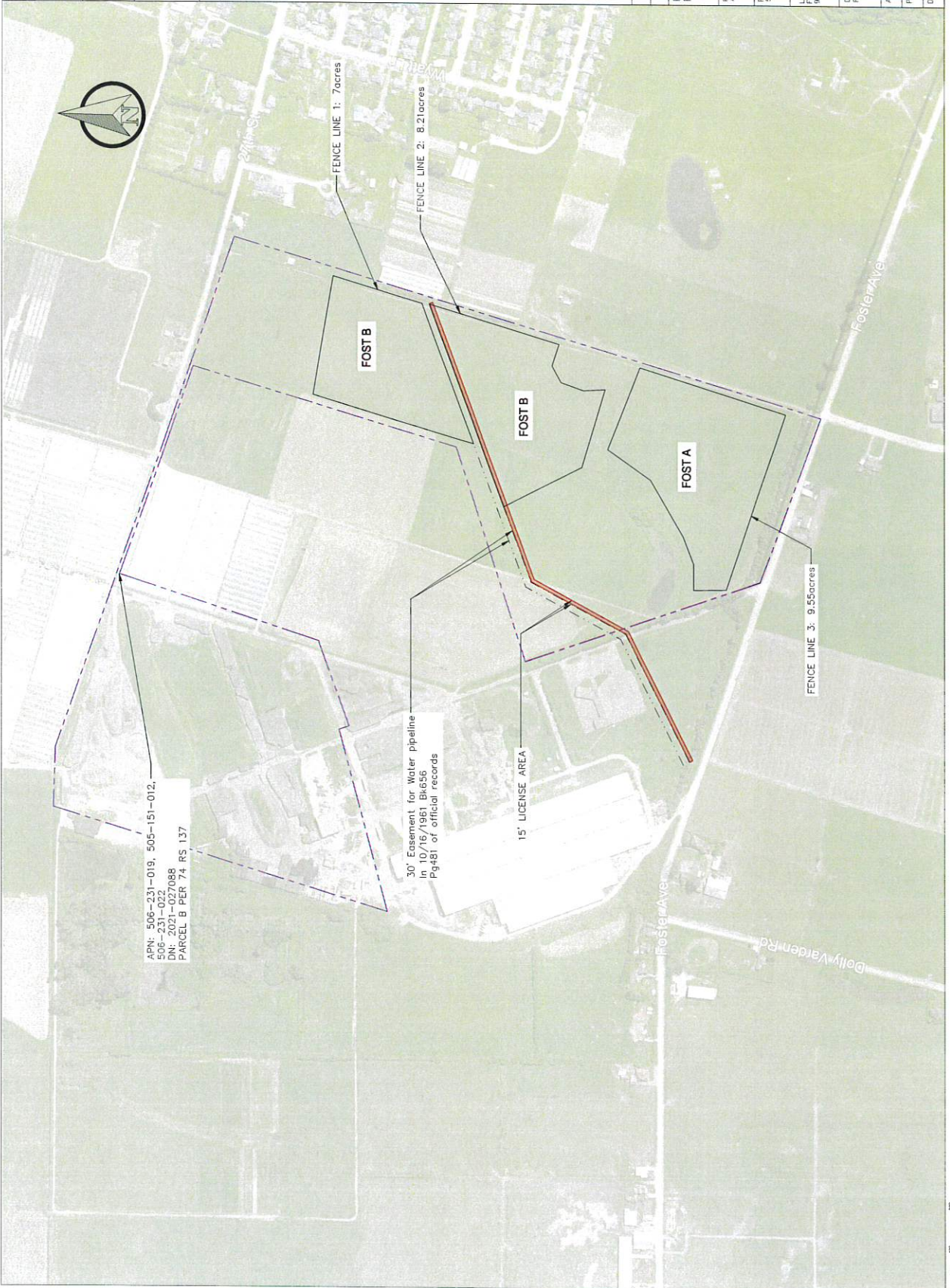
DRAWN BY:
UR

CHECKED BY:
UR

SCALE:
1" = 150'

PLOT SCALE:
13.04'

SECTION 9.a PAGE NO. 16



APN: 506-231-019, 505-151-012,
506-231-022
DOC: 2021-02-07088
PARCEL B PER 74 RS 137

30' Easement for Water pipeline
in 10/16/1961 Bk656
Pg481 of official records

15' LICENSE AREA

FENCE LINE 1: 7acres

FENCE LINE 2: 8.21acres

FENCE LINE 3: 9.55acres

FOST B

FOST B

FOST A



Humboldt Bay Municipal Water District

To: Board of Directors
From: John Friedenbach
Date: November 9, 2023

Re: **Samoa Peninsula Waterline Right-of-Way Maintenance Project --NOP
Public Hearing**

Discussion

As the Board is aware, staff has contracted with GHD to prepare an Environmental Impact Report (EIR) to obtain environmental clearance and permits for our Samoa Peninsula Waterline Right-of-Way Maintenance Project. One of the initial steps in the EIR process is to prepare a Notice of Preparation (NOP). The attached NOP has been published for public comment.

Part of the process for the NOP is to conduct a public scoping meeting (Public Hearing) to receive comments by the public. That public scoping meeting is time set for 10:00 a.m. at our November 9, 2023 board meeting.

GHD staff will present a brief project overview at the meeting as part of the public hearing. After which, the Board will receive any public comments regarding the NOP. Any public comments received will be considered during the drafting of the EIR.



Notice of Preparation of a Draft Environmental Impact Report

**Samoa Peninsula Waterline Right-of-Way
Maintenance Project**

Humboldt Bay Municipal Water District

October 20, 2023

→ **The Power of Commitment**



Notice of Preparation of Draft Environmental Impact Report Samoa Peninsula Waterline Right-of-Way Maintenance Project

Lead Agency:



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

By:



GHD
718 Third Street
Eureka, CA 95501, United States
T +1 707 443 8326 | E kerry.mcnamee@ghd.com | ghd.com

October 20, 2023

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Appendix A Figures

Figure 1: Project Vicinity

Figure 2-1: Project Area

Figure 2-2: 15-inch Pipe Replacement Project Component

Figure 2-3: Project Components in Phase 3

1. Introduction

1.1 CEQA Requirements

The Samoa Peninsula Waterline Right-of-Way Maintenance Project (Project) is subject to the requirements of the California Environmental Quality Act (CEQA). The CEQA lead agency and decision-making body is the Humboldt Bay Municipal Water District (HBMWD or District). The HBMWD is responsible for assuring the completion of the appropriate evaluation and processes of the Project as required by CEQA. The HBMWD has the sole responsibility to make the appropriate findings and determinations with respect to the CEQA process and disposition of the Project. The purpose of this Notice of Preparation (NOP) is to inform the public, and responsible and trustee agencies that an Environmental Impact Report (EIR) will be prepared for the Project, and to solicit comments on the proposed Project and potential impacts to be addressed in the EIR. The EIR being prepared is intended to satisfy the requirements of CEQA (Public Resources Code, Division 13, Section 21000-21177), and the State CEQA Guidelines (California Code of Regulations, Title 14, Chapter 3, Section 15000-15387).

1.2 General Information

Protect Title: Samoa Peninsula Waterline Right-of-Way Maintenance Project

Lead Agency: Humboldt Bay Municipal Water District

PO Box 95

Eureka, CA, 95502-0095

Attn: John Friedenbach, General Manager, friedenbach@hbmwd.com, (707) 443-5018

1.2.1 Availability of Project Documents/Files

This NOP is available for review during the business week at the HBMWD office located at 828 7th Street, Eureka, between the hours of 8:30 a.m. to 12:00 p.m. and 1:00 p.m. to 5:00 p.m. An electronic version of this NOP is available for review on the HBMWD website (<https://www.hbmwd.com/district-news>).

1.2.2 Written Comments

Written comments on the scope of the EIR can be sent to John Friedenbach at the HBMWD office at the above-noted address. Additionally, comments may be submitted electronically via email to: friedenbach@hbmwd.com.

1.2.3 Comment Period

CEQA Guidelines Section 15082 (b) requires a 30-day response period for input about the scope and content of the EIR. The comment period for the NOP begins on October 20, 2023 and ends on November 20, 2023. The deadline for submitting written comments is November 20, 2023 at 5:00 p.m.

1.2.4 Public Scoping Meeting

A public scoping meeting will be held to further inform agencies and interested parties about the Project, and to accept comments on the environmental issues germane to the Project. The meeting will be held on November 9, 2023 at 10:00 a.m. at the HBMWD offices. The HBMWD is located at 828 7th Street Eureka, California 95502.

2. Project Description

2.1 Project Location and Setting

The Project is located in coastal Humboldt County, California, within the Samoa Peninsula (see **Figure 1**). The Project Area is located within the Coastal Zone, specifically, within the Appeal jurisdiction of the Coastal Zone, which is regulated by Humboldt County under the Humboldt Bay Area Plan Local Coastal Program (HBAP), and appealable to the California Coastal Commission (CCC).

The Humboldt Bay Municipal Water District (HBMWD or "District") was formed in 1955 and is a regional wholesale water provider that supplies water to approximately 88,000 people in the Humboldt Bay area. HBMWD has two separate and distinct water systems, a domestic system and an industrial system. The domestic system contains treated potable water that comes from wells that draw water from the aquifer beneath the Mad River. HBMWD supplies drinking water to seven wholesale municipal customers which include the cities of Arcata, Blue Lake, and Eureka, as well as community services districts (CSDs) serving the following unincorporated areas: the Humboldt, Fieldbrook/Glendale, Manila, and McKinleyville CSDs. These municipal customers in turn serve water to approximately 66% of the people in Humboldt County.

The industrial system delivers untreated surface water from the Mad River that is utilized for commercial use and fire suppression on the Samoa Peninsula. The industrial system contains two pipelines (or "waterlines") which converge into one pipeline (or "waterline") approximately 1.5 miles south of the northern terminus of the Project Area. At around the turn of the 21st century, timber operations slowed and processing facilities within the Samoa Peninsula began to close. The last major timber processing facility, Freshwater Tissue Company, closed in 2010. Due to the current relatively small demand for industrial water, the District's ROW maintenance schedule within the Samoa Peninsula has been deferred or carried out minimally. However, with anticipated growth of industrial services within this area in the near future (e.g. aquaculture, Humboldt Bay port development, etc.), the District wishes to continue ROW maintenance work along its industrial and domestic waterlines to maintain access to this critical infrastructure for repairs or replacement (including the specific replacement of certain infrastructure components described in Section 2.2), and thus continue to deliver water throughout the distribution area.

2.2 Project Activities

The existing ROW alignment of the domestic and industrial waterlines extends from the east (Arcata) via the Mad River Slough crossings and traverses south through the Samoa Peninsula. The domestic waterline ultimately continues south into Eureka to provide water to the Humboldt CSD (see **Figure 1**). The Project Area for the proposed Project is approximately 7.37 miles and includes approximately 5.71 miles of District ROW and 1.66 miles of County ROW throughout the Samoa Peninsula as shown in **Figure 2-1 through 2-3**. The Project Area includes the District's ROW which is predominantly 30 feet wide, and in some locations 50 feet wide, and the County's ROW which varies by width (see **Figure 2-3**). Approximately 0.86 acres (37,300 square feet) of the northern Phase 1 area is located outside of the District's ROW on property owned by the Redwood Gun Club. The total area of the Project is 54.49 acres, which includes 29.71 acres within the District's ROW, 0.86 acres on private property (owned by the Redwood Gun Club), and 23.93 acres within the County ROW. All Project work will occur within the 54.49-acre Project Area. The District will access its pipeline for Project activities through its ROW, recorded deeds of easement to the pipeline ROW, or through the public ROW.

Proposed Project activities include both general maintenance activities, and specific Project components.

Project maintenance activities include:

- Removal of vegetation (grasses, herbaceous plants, shrubs, and trees),
- Grubbing,
- Filling and/or movement of sand or soil to safeguard District infrastructure,
- Excavation for pipeline repairs and replacement, and
- Other activities required for accessing the District's infrastructure and managing and maintaining water service in this region.

And specific Project components include:

- Replacement of an existing 15-inch pipe,
- Overflow pipe area maintenance,
- Electrical line installation,
- Techite pipe replacement project maintenance

Additional information on the listed activities above is included in Sections 2.2.1 through 2.2.5 below.

2.2.1 General Maintenance Activities

Vegetation (herbaceous plants, vines, shrubs and trees) will be trimmed and/or removed throughout the District's ROW in order to enable access to HBMWD infrastructure. Vegetation will be trimmed or removed utilizing mechanical and hand tools, such as masticator and loppers or chainsaws. When possible, vegetation will be trimmed or removed outside of the nesting bird season, which is considered March 15 through August 15 in this region, otherwise surveys for nesting birds will occur prior to vegetation trimming or removal in accordance with the forthcoming Project permits.

Mechanical movement of sand is anticipated to be required to keep infrastructure buried to appropriate depths, and is expected to occur predominantly in the northern half of the Project Area where there is a lack of woody species. Excavations may also occur to access, maintain, repair or replace HBMWD infrastructure. Heavy machinery including bull dozers, backhoes and excavators will be utilized for sand movement, burial of infrastructure, and excavations.

It should be assumed that biological resources throughout the entirety of the Project Area could be removed or manipulated under this Project for the purpose of maintaining access to HBMWD's infrastructure.

2.2.2 15-inch Pipe Replacement

The District's domestic water pipeline serving the Samoa Peninsula is made up of several segments of varying sizes. A 27-inch pipe conveys water from the District's Essex Facility and transitions to a 15-inch pipe approximately one mile south of the Redwood Gun Club. Based on the District's consideration of current domestic water usage on the peninsula, potential future developments, and the age of the existing piping, the District is considering replacing the existing 15-inch portion with a larger 24-inch PVC pipe. The 15-inch pipe segment to be replaced is approximately four miles in length, approximately located between the one-million-gallon industrial water tank (southerly terminus) to one mile south of the Redwood Gun Club (northerly terminus) (see **Figure 2-2**). Trenching depth will be approximately 5-7 feet deep to install the replacement pipe, with approximately 3-5 feet of cover above the new pipe. All work will occur within the District's ROW.

2.2.3 Overflow Pipe Area Maintenance

Currently an overflow discharge point exists approximately 445 feet west of the one-million-gallon industrial water tank located west of Vance Avenue between LP Drive and Bay Street in the southern portion of the peninsula (see **Figure 2-3**). The discharge point is connected to the water tank via a subsurface pipe, and the entirety of the area is within the District's ROW. When the water tank is at capacity, any additional water gradually overflows through the discharge point onto the beach. Maintenance activities in this area will include movement of sand, stabilization of the discharge point to reduce potential erosion (i.e. potential use of rip rap around the discharge point), overflow pipe replacement (including the necessary excavation for replacement), and vegetation removal to retain access throughout the ROW.

2.2.4 Electrical Line Installation

One of the Project components is to abandon and replace an underground electrical line. The current line is buried and consists of insulated aluminum wire with no conduit, and starts at Bay Street and terminates north at the District's meter building near their one-million-gallon industrial water tank. The current line is approximately 2,400 feet long. The line has become un-operational likely due to winter storms and/or deterioration of the line due to its age. This Project component includes the abandonment of the existing line in place and installation of a new line parallel to the old line. The new line will consist of 2-3 inch diameter PVC conduit, copper wire, and will likely be installed into a trench approximately 3-4 feet deep and buried. Clearing of various shrub and trees will be necessary approximately 10-15 feet wide to construction access for the length of the newly placed line (approximately 2,400 linear feet). Once the line is installed the area will be kept clear of vegetation for maintenance and access reasons at least once every five years.

2.2.5 Techite Pipe Maintenance

The District will conduct maintenance actions along New Navy Base Road between the existing one-million-gallon industrial water tank and Lincoln Avenue. Maintenance actions will occur within the road right of way and may involve the removal of asphalt, excavation, grading, pipe repairs and/or replacement. No work will occur outside of the road ROW.

2.3 Existing Biological Data

Biological surveys conducted in 2022 and 2023 within the Phase 1 and 2 portions of the Project Area indicate the presence of three- and one-parameter wetlands which are regulated by the U.S. Army Corps of Engineers (USACE), the North Coast Regional Water Quality Control Board (NCRWQCB) and Humboldt County via the HBAP, respectively, as well as upland Sensitive Natural Communities (SNCs) (which will likely be considered Environmentally Sensitive Habitat Areas [ESHA] under the HBAP) and federally and state Endangered Species Act (ESA) listed beach layia (*Layia carnosa*) and Menzies' wallflower (*Erysimum menziesii*). Impacts to these resources is assumed to occur, and subsequent mitigation will be completed as feasibly close to the Project Area as possible. It is possible that additional federally and/or state ESA listed species may occur in the remaining Phase 3 area. Impacts to biological resources will be avoided when possible. Affected biological resources will be mitigated as warranted based on agreements with jurisdictional agencies as determined during Project permitting.

2.4 Project Implementation Schedule

It is anticipated that implementation of Project components throughout the entire 7.37-mile Project Area will occur in phases over time. Each phase of Project activities is assumed to include up to two miles per year (with the exception of the 15-inch pipe replacement component which spans four miles). After the entire Project Area is initially maintained (i.e. cleared of vegetation, graded and maintained as needed), the Project Area will be revisited at least once every five years for maintenance upkeep which could include vegetation trimming or removal, movement of sand or other activities necessary to safeguard continued access to HBWMD infrastructure. Other Project components, such as repairs/replacement of pipe and other related appurtenances, management of the overflow pipe area, electrical line, techite pipe and 15-inch pipe replacement areas, may occur on a more accelerated schedule. For the purpose of defining this Project's parameters, the lifespan of this Project (also referred to as the Project's operational period) is assumed to be 50 years.

2.5 Project Equipment and Staging

Equipment to be utilized under the Project could include the following: excavators (and attachments), backhoes, bull dozers, front end loaders, tree trimmers, chainsaws, graders, dump trucks, and various smaller equipment and hand tools. Staging will occur along the Project Area or within a paved or previously disturbed area near the Project Area.

2.6 Regulatory Context

The Project will require a variety of permits due to the Project's effects on protected public trust resources located within the Project Area, including (but not limited to) three-parameter wetlands, one-parameter wetlands, upland SNC/ESHA, and federally and/or state threatened or endangered plants (GHD 2022 and 2023). The following permits are anticipated to be required for Project implementation:

- Coastal Development Permit from Humboldt County via the Humboldt Bay Area Plan Local Coastal Program for impacts to protected coastal resources. The Project Area is located in the Appeal jurisdiction of the Coastal Zone;
- Section 404 of the Clean Water Act (CWA) Individual Permit from the USACE for impacts to jurisdictional Waters, including wetlands, and a Wetlands Mitigation and Monitoring Plan;
- Section 401 of the CWA Water Quality Certification from the North Coast Regional Water Quality Control Board (NCRWQCB) for impacts to regulated Waters, including wetlands;
- Coordination with the California Department of Fish and Wildlife (CDFW) for potential impacts to California ESA (CESA) listed beach layia and Menzies' wallflower, an Incidental Take Permit or Consistency Determination is anticipated;
- Formal consultation with the U.S. Fish and Wildlife Service (USFWS) for potential impacts to federally ESA listed beach layia and Menzies' wallflower (i.e. preparation of a Biological Assessment), and a Rare Plant Mitigation and Monitoring Plan;
- California Environmental Quality Act (CEQA) Environmental Impact Report.

Ultimately, it is anticipated that the entire 7.37-mile Project Area will be under a single permit per agency, and that the permits granted for this Project will be renewed upon expiration and thus remain active for the long-term.

3. Probable Environmental Effects of the Project

Per CEQA Guidelines Section 15082 (a)(1)(c), the probable environmental effects of the Project, are summarized below based on a preliminary review of the Project. Probable environmental effects are organized by the environmental resource categories identified in Appendix G of the CEQA Guidelines. Because there is the potential for significant impacts to occur as a result of the Project, even with the use of mitigation measures, HBMWD has determined that an EIR will be prepared. The EIR will provide site specific information and analysis relevant to the Project, evaluate Project alternatives, and will identify mitigation measures where significant impacts are identified.

For the reasons described below, HBMWD does not anticipate the Project will have any impact on two environmental resource categories: Agricultural and Forestry Resources, and Mineral Resources. These resource categories will not be analyzed in the EIR unless input from responsible agencies, trustee agencies, or the public during the scoping period indicate an analysis is warranted.

3.1 Aesthetics

The Project Area is highly scenic and includes coastal dunes, dune swales, and forested dunes. In many locations, Project activities are not anticipated to substantially degrade scenic resources because the majority of the Project Area is already cleared of vegetation. However in some locations vegetation removal and movement of sand may substantially degrade scenic resources. The specific infrastructure component work, such as the 15" pipe replacement component, is anticipated to have temporary impacts to scenic resources due to the prolonged presence of equipment. The EIR will analyze the potential impacts to aesthetic resources, and if appropriate, include feasible mitigation measures.

3.2 Agricultural and Forestry Resources

The Project Area is along the Samoa peninsula and there are no agricultural or forestry land uses within the Project Area. There are no agricultural or timber zoning or active Williamson Act contracts within the Project Area. Additionally, the Project Area is composed of sand dunes, and is not considered agricultural soil or a timber producing area. Therefore, the Project is not expected to impact agricultural and forestry resources and this resource category will not be included in the EIR.

3.3 Air Quality

The Project Area is located within the North Coast Air Basin (NCAB), which is under the jurisdiction of the North Coast Unified Air Quality Management District (NCUAQMD). The NCAB is currently in attainment (or is unclassified) for all state and federal ambient air quality standards, with the exception of the state standard for particulate matter less than ten micrometers in diameter (PM₁₀). The EIR will discuss temporary air quality impacts from Project implementation and ongoing operation of the Project (e.g., equipment and vehicle exhaust emissions). For the purpose of this EIR and permitting, the Project's operational period is assumed to be fifty years. The EIR will also discuss the Project's conformity with applicable air quality plans and exposure of sensitive receptors to criteria air pollutants and odors. Mitigation measures for significant impacts will be included where applicable and feasible.

3.4 Biological Resources

The Project Area includes wetlands, coastal dunes, herbaceous and forested vegetated dunes, and uplands that support a diverse array of aquatic and terrestrial biological resources. The EIR will utilize a number of special studies in the preparation of this section, including a site-specific wetland delineation, rare plant assessment and surveys, among others. The EIR will analyze potential impacts to special status wildlife and plant species, riparian habitat, Sensitive Natural Communities, upland Environmentally Sensitive Habitat Areas, wetlands, migratory corridors, and potential conflicts with policies or ordinances protecting biological resources and the EIR will include feasible mitigation measures given significant impacts are anticipated. It is anticipated that off-site mitigation will be completed to account for unavoidable impacts to biological resources. The EIR will also include an inventory of the biological resources within the proposed mitigation sites.

3.5 Cultural Resources

A Cultural Resources Investigation will be prepared to inventory cultural resources in the Project Area, and to assess potential impacts on these resources from Project activities. Potential impacts could include the destruction of known or unknown cultural resources. The EIR will include the results from this investigation and identify mitigation measures if potentially significant impacts could occur. An inventory of the cultural resource value of the biological resource mitigation area will be included in the EIR.

3.6 Energy Resources

The majority of California's energy-related plans are not directly applicable to the Project or its ongoing operations; however, the Project complies with the plan requirements that apply. Ongoing maintenance operations of the Project will involve a variety of earthwork and construction practices, involving the use of heavy equipment. This equipment will require the use of fuels, primarily gas, diesel, and motor oil. The EIR will include and discuss the results of CalEEMod estimations and quantifications related to energy use throughout the Project construction and operation period.

3.7 Geology and Soils

Geologic and soils issues include potential erosion, loss of topsoil, and sedimentation during and after Project actions due to proposed vegetation removal, as well as changes in sand movement associated with removal of vegetation from the coastal dunes, grading, and infrastructure replacement. The EIR will describe the site's existing geologic conditions and soils based on existing information and technical reports prepared for the Project. The EIR will include an analysis of the geology of the site as it relates to slope stability, earthquake hazards, landslides, and other potential geologic hazards, and recommend appropriate mitigation measures if potentially significant impacts are identified.

3.8 Greenhouse Gas Emissions

The EIR will evaluate the potential impact of the Project on greenhouse gas emissions. Potential GHG emissions resulting from the Project will be estimated and quantified using CalEEMod emissions modeling software, assuming ongoing maintenance actions over 50 years. The NCUAQMD has not adopted a threshold for construction-related GHG emissions against which to evaluate significance and has not established construction-generated criteria air pollutant screening levels above which quantitative air quality emissions would be required; however, this potential impact will be further discussed in the EIR.

3.9 Hazards and Hazardous Materials

The EIR will discuss potential hazards in the Project Area, identify appropriate spill prevention measures, identify potential impacts to construction workers and recreation users due to potential soil contamination and other potential hazards at the site. Phase I and II Environmental Site Assessments were not completed for the Project and are not assumed to be needed; however, a records search of the California Department of Toxic Substances Control (DTSC) Cortese List, and of the State Water Resources Control Board's Geotracker database will be conducted. This information will be used in the analysis and appropriate mitigation measures incorporated if potentially significant impacts are identified.

3.10 Hydrology and Water Quality

The Project is not located immediately adjacent to any receiving waterways. There is typically approximately 500 feet between the ROW and the ocean, and therefore potential impacts to water quality from maintenance activity related runoff, such as sedimentation or contamination, are not anticipated. The EIR will discuss Project actions that could result in water quality degradation or violation of water quality standards. Appropriate mitigation measures will be incorporated if potentially significant impacts are identified.

3.11 Land Use and Planning

The Project is within the Appeal jurisdiction of the Coastal Zone and will require a Coastal Development Permit from Humboldt County per the California Coastal Act. The EIR will describe existing land uses in the Project Area, assess Project impacts and identify any potential land use conflicts.

3.12 Mineral Resources

There are no existing mining operations in the Project Area. The Project Area is primarily comprised of sand and contains no known mineral resources available for extraction. There are no Surface Mining and Reclamation Act-designated parcels located within the Project Area. Although Humboldt County has not yet been included in the California Mineral Land Classification System by the State Mining and Geology Board to designate lands containing mineral deposits of regional or statewide significance, it seems evident that the Project Area would not rise to the level of significance for mineral resource extraction. Therefore, the Project is not anticipated to result in a loss of mineral resources and this resource category will not be included in the EIR.

3.13 Noise

Noise levels will increase during Project activities which will occur periodically over the course of the Project operational period (50 years). The EIR will describe the existing noise levels in the Project Area and identify noise sensitive receptors in the Project vicinity, which are considered (but not limited to) schools, residences, libraries, hospitals, and other care facilities. Potential impacts of noise on wildlife will be discussed in the Biological Resources section. The only sources of noise deviations will occur during implementation of specified Project components, i.e. installation of the 15" pipe, because general maintenance activities have been historically carried out. However, all Project related noise levels will be compared to existing noise levels and applicable noise standards to determine if the Project will cause a significant increase in ambient noise levels. Appropriate mitigation measures will be incorporated if significant impacts are identified.

3.14 Population and Housing

The proposed Project will not add any new homes or businesses, nor extend any roads or other infrastructure within the Project Area. The Project will not cause any displacement of housing or people, on or adjacent to the site. However, the proposed 15-inch pipeline replacement component of the Project includes installation of a 24-inch domestic water pipe. Therefore this increased diameter pipeline has greater capacity to provide increased volume of water, which could facilitate future expanded industry, population or housing. The entire Project, including the 15-inch pipe replacement component, will be discussed in the EIR through the lens of potential population and housing growth and mitigation measures will be incorporated if appropriate.

3.15 Public Services

It is unlikely that the Project will directly increase population, therefore, it is not anticipated that the Project will increase the need for public services. However, as described above, the Project has the potential to support future population increase, and therefore need for public services will be discussed in the EIR.

3.16 Recreation

The Project may temporarily obstruct points of access to the beach during maintenance actions. However, alternate access will be provided. The Project is not anticipated to place additional demands on recreational facilities or require recreational facility construction or expansion. Appropriate mitigation measures will be incorporated if potentially significant impacts are identified.

3.17 Transportation

The Project may result in increased traffic during maintenance actions, which may temporarily decrease the overall performance and safety of local roadways. The EIR will discuss existing and proposed Project traffic volumes in relation to the Project Area and recommend mitigation measures if significant impacts are identified.

3.18 Tribal Cultural Resources

Tribal cultural resources are sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either included or determined to be eligible for inclusion in the California Register of Historical Resources; or included in a local register of historical resources as defined in subdivision (k) of Section 5020.1; or a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1. The Project may potentially encounter known or as-of-yet unknown archaeological materials during Project-related activities. If such resources were to represent as "tribal cultural resources" as defined by CEQA, any substantial change to or destruction of such resources would be a significant impact. The EIR will analyze tribal cultural resources per Public Resources Code Section 21080.3.1, and include mitigation measures, if applicable, per Public Resources Code Section 21080.3.2.

3.19 Utilities and Service Systems

The Project is a utilities project designed to create dependable access for routine inspection, operation, maintenance, modification, and replacement of HBMWD infrastructure (pipelines, valves, etc.) along the

District's ROW. The Project does not include the construction of new facilities (residential, commercial, or industrial) that will place additional long-term demands on public water systems, wastewater systems, or landfills. The proposed 15-inch pipe replacement component will result in an increased capacity of water supply (via the larger diameter pipeline) available to water users, replacement of aging infrastructure and a more uniform diameter water pipeline throughout the Samoa Peninsula. No new connections to the 15-inch pipe replacement component are proposed, rather existing connections would be replaced during this Project component. Landfills may be used for disposal of HBMWD infrastructure removed from the Project Area. The EIR will analyze potential impacts related to utilities and service systems, and feasible mitigation measures will be incorporated if significant impacts are identified.

3.20 Wildfire

According to mapping from CAL FIRE, the Project is in the Local Responsibility Area, adjacent to zones designated as having a high, moderate or unzoned fire hazard severity. The vegetated portions of the Project Area could be susceptible to wildfire during Project activities due to accidental ignition. The Project will not block emergency access during implementation of Project activities. The EIR will analyze potential impacts related to wildfire, emergency operation plans, and other elements that might exacerbate fire risks. Mitigation measures will be incorporated if significant impacts are identified.

Appendices

Appendix A

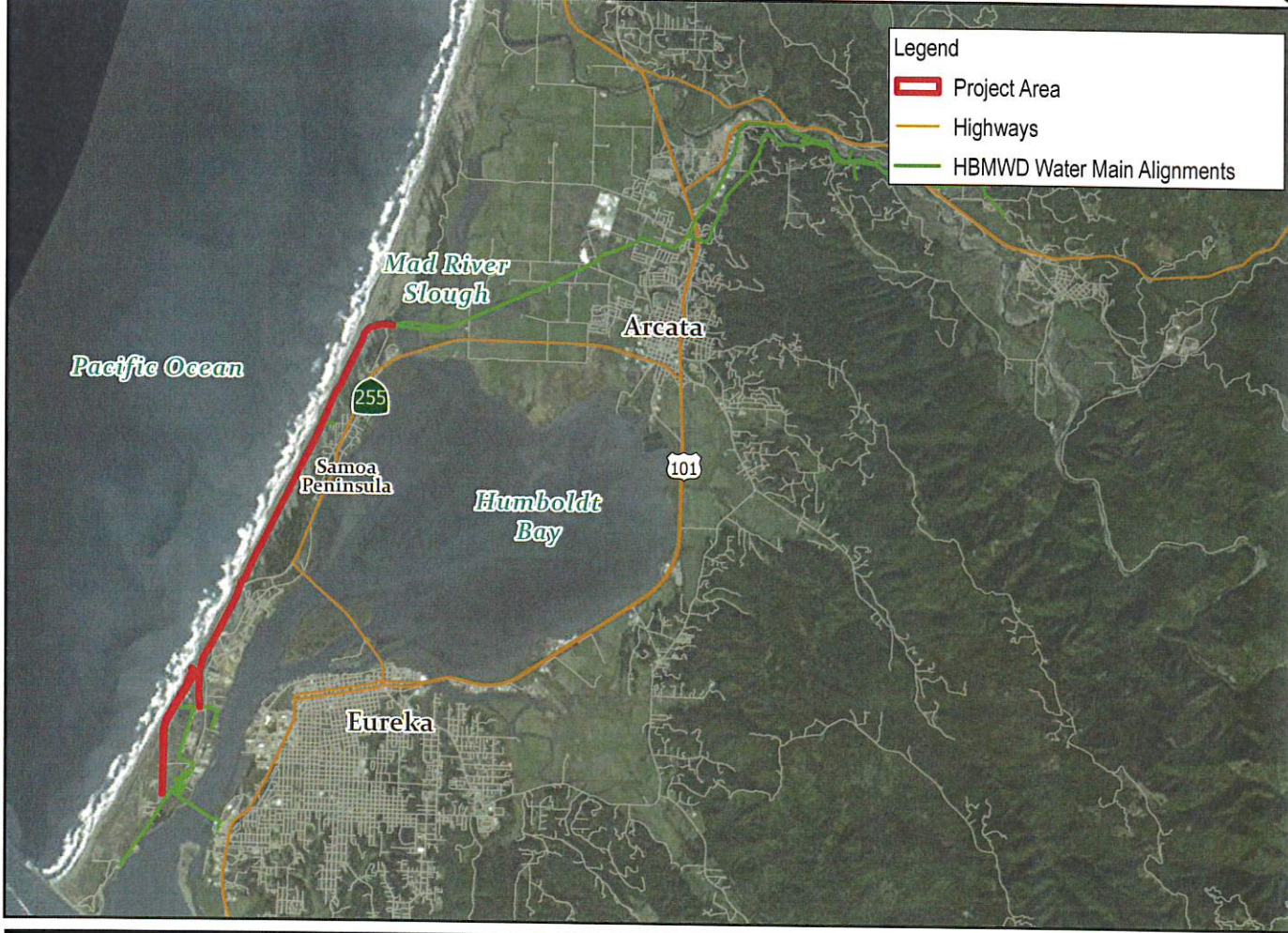
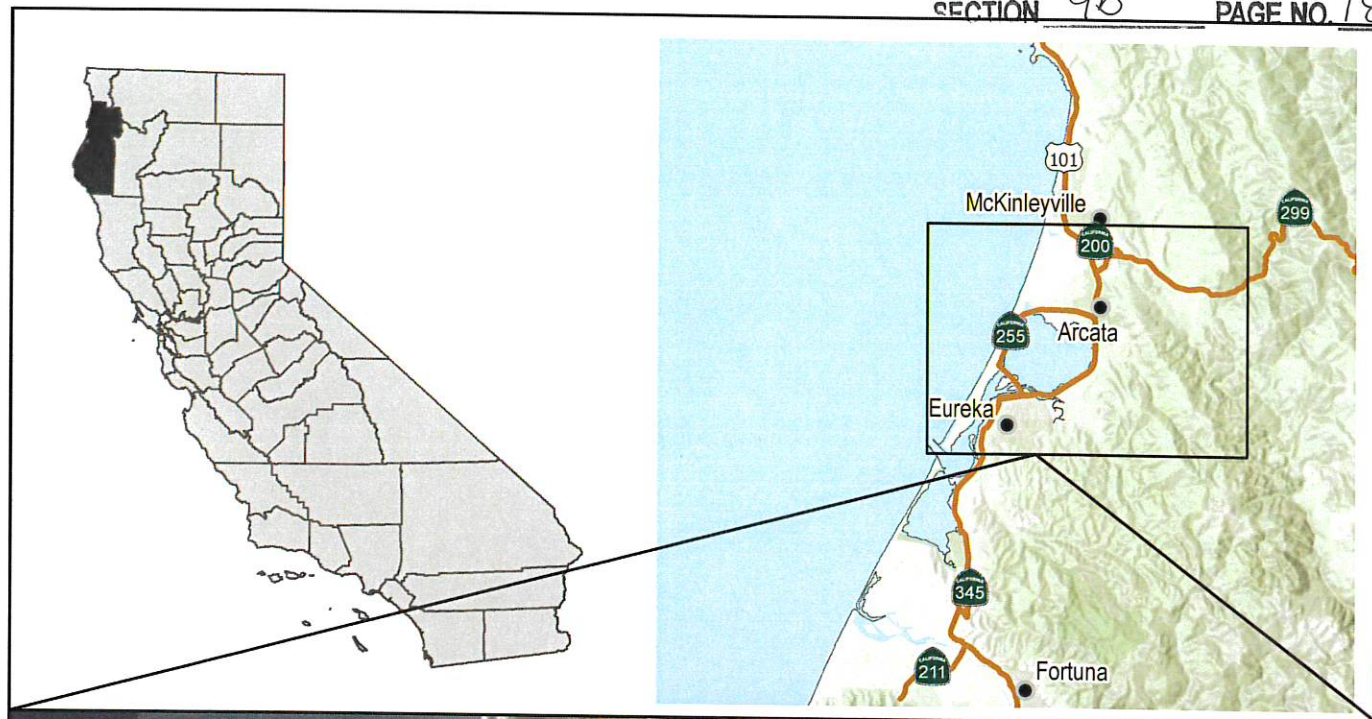
Figures

Figure 1: Project Vicinity

Figure 2-1: Project Area

Figure 2-2: 15-inch Pipe Replacement Project Component

Figure 2-3: Project Components in Phase 3



Paper Size ANSI A
 0 1 2
 Miles
 Map Projection: Mercator Auxiliary Sphere
 Horizontal Datum: WGS 1984
 Grid: WGS 1984 Web Mercator Auxiliary Sphere



Humboldt Bay Municipal Water District
 Samoa Peninsula Waterline
 Right-of-Way Maintenance Project

Project No. 12603983
 Revision No. -
 Date Sep 2023

Project Vicinity

FIGURE 1

\\hob\nef\gnd\USIEureka\Projects\55112603983\GIS\Maps\Deliverables\12603983_ProjectDescription.aprx - 12603983_002_FIG1_Vicinity_Rev0 Print date: 29 Sep 2023 - 08:41
 Data source: World Imagery (Clarity). This work is licensed under the Esri Master License Agreement View Summary | View Terms of Use/Export. This layer is not intended to be used to export tiles for offline. Data Collection and Editing: This layer may be used in various ArcGIS apps to support data collection and editing, with the results used internally or shared with others, as described for these use cases. World Topographic Map - labels: California State Parks, Esri, HERE, Garmin, SafeGraph, FAO, METINASA, USGS, Bureau of Land Management, EPA, NPS, World Hillshade, Esri, CGIAR, USGS. Created by: jlopez4

Legend

- Phase 1 (Surveyed 2022)
- Phase 2 (Surveyed 2023)
- Phase 3 (To be surveyed in 2024)
- HBMWD Water Main Alignments
- Highways
- Roads



Paper Size ANSI A

0 1,000 2,000 3,000 4,000

Feet

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane California I FIPS 0401 Feet



**Humboldt Bay Municipal Water District
Samoa Peninsula Waterline
Right-of-Way Maintenance Project**

Project No. 12603983
Revision No. C
Date Sep 2023

Project Area

FIGURE 2-1

VghdnefghdUSIEureka\Projects\56112603983\GIS\Map\Deliverables\12603983_ProjectDescription.aprx 12603983_002_Fig2_ProjectArea_RevE
Print date: 29 Sep 2023 - 08:43

Data source: World Imagery (Clarity). This work is licensed under the Esri Master License Agreement. View Summary | View Terms of Use. Export. This layer is not intended to be used to export tiles for offline. Data Collection and Editing. This layer may be used in various ArcGIS apps to support data collection and editing, with the results used internally or shared with others, as described for these use cases. Created by: jpepet

Legend

- Phase 1 (Surveyed 2022)
- Phase 2 (Surveyed 2023)
- Phase 3 (To be surveyed in 2024)
- HBMWD Water Main Alignments
- Highways
- Roads



Pacific Ocean

Humboldt Bay

Paper Size ANSI A

0 1,000 2,000
Feet

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane California I FIPS 0401 Feet



Humboldt Bay Municipal Water District
Samoa Peninsula Waterline
Right-of-Way Maintenance Project

Project No. 12603983
Revision No. C
Date Sep 2023

**15-inch Pipe
Replacement Project Component**

FIGURE 2-2

\\ghd\hight\US\Eureka\Projects\5611\2603983\GIS\Maps\Deliverables\12603983_ProjectDescription.aprx 12603983_005_Fig2-2_ProjectArea_RevA
Print date: 29 Sep 2023 - 06:52

Data source: World Imagery (Clarity). This work is licensed under the Esri Master License Agreement View Summary | View Terms of Use | Export. This layer is not intended to be used to export tiles for offline. Data Collection and Editing. This layer may be used in various ArcGIS apps to support data collection and editing, with the results used internally or shared with others, as described for these use cases. Created by jope24

Legend

- Phase 3 (To be surveyed in 2024)
- Humboldt County Roads ROW
- HBMWD Water Main Alignments
- Roads



Data Disclaimer
 Humboldt County Roads Right of Way (ROW) determined by GIS data of approximate parcel boundaries

Paper Size ANSI A

0 1,000
 Feet

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Grid: NAD 1983 StatePlane California I FIPS 0401 Feet



Humboldt Bay Municipal Water District
 Samoa Peninsula Waterline
 Right-of-Way Maintenance Project

Project No. 12603983
 Revision No. C
 Date Sep 2023

**Project Components
 in Phase 3**

FIGURE 2-3

Ughdnetghd\US\Eurakal\Projects\56\112603983\GIS\Maps\Deliverables\12603983_ProjectDescription.aprx 12603983_004_Fig2-3_ProjectArea_Rev0
 Print date: 29 Sep 2023 - 08:49

Data source: World Imagery (Clarity) This work is licensed under the Esri Master License Agreement View Summary | View Terms of Use | Export This layer is not intended to be used to export tiles for offline. Data Collection and Editing. This layer may be used in various ArcGIS apps to support data collection and editing, with the results used internally or shared with others, as described for these use cases. Created by jlopez



ENGINEERING



Humboldt Bay Municipal Water District - Collector 2 Rehabilitation Project
 Layne Job # 1211234
 October 30, 2023
 PAYMENT REQUEST # 7
 For Work period: September 30, 2023 to October 24, 2023

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

Mailing Address:
 (Regular U.S. Postal Service Mail)
 Layne Christensen Company
 P.O. Box 743609
 Los Angeles, CA 90074-3609

From:
 Layne Christensen Company, Inc.
 6360 Huntley Rd.
 Columbus, Ohio 43229
 Phone: (614) 888-6263
anna_well@layne.com

Shipping Address:
 (Courier, UPS, FedEx)
 Bank of America Lockbox Service
 C/O Layne Christensen Company
 Lockbox #743609
 2708 Media Center Dr.
 Los Angeles, CA 90065-1733

ACH/Wires Bank
 Bank of America, N.A.
 ACH ABA 026009593
 FED Wire ABA 1291276209
 Acct Name Layne Christensen Company
 Acct No. 1291276209
 Email payment advice to: aprocess@layne.com

Item #	Description	ORIGINAL CONTRACT				THIS PERIOD		PREVIOUS PERIODS		TOTAL COMPLETED	
		Quantity	Unit	Unit Price	Contract Value	Quantity	AMOUNT	Quantity	AMOUNT	Quantity	TOTAL
PHASE 1 - Item											
1-1	Mobilization & Demobilization	1	LS	\$ 163,800.00	\$ 163,800.00			100%	\$ 163,800.00	1	\$ 163,800.00
1-2	Percolation Pond	1	LS	\$ 127,700.00	\$ 127,700.00			100%	\$ 127,700.00	1	\$ 127,700.00
1-3	De-watering Pumps & Piping within Caisson	1	LS	\$ 74,000.00	\$ 74,000.00			100%	\$ 74,000.00	1	\$ 74,000.00
1-4	Installation of Ports	2	EA	\$ 30,000.00	\$ 60,000.00			2	\$ 60,000.00	2	\$ 60,000.00
1-5	Setup & Takedown for Lateral Jacking	1	LS	\$ 45,000.00	\$ 45,000.00			1	\$ 45,000.00	1	\$ 45,000.00
1-6	Turning Jacking Setup to Next Lateral	1	EA	\$ 50,000.00	\$ 50,000.00			1	\$ 50,000.00	1	\$ 50,000.00
1-7	Furnish, Install & Develop 12" Laterals	300	LF	\$ 1,650.00	\$ 495,000.00			300	\$ 495,000.00	300	\$ 495,000.00
1-8	Furnish & Install (2) 12" Stainless Steel Gate Valves	1	LS	\$ 92,000.00	\$ 92,000.00			1	\$ 92,000.00	1	\$ 92,000.00
1-9	Initial & Final Performance Tests	1	LS	\$ 108,000.00	\$ 108,000.00			1	\$ 108,000.00	1	\$ 108,000.00
TOTAL PHASE 1											
1,215,500.00											
PHASE 2 - Item											
2-1	Mobilization & Demobilization	1	LS	\$ 163,800.00	\$ 163,800.00			50%	\$ 81,900.00		\$ 163,800.00
2-2	Percolation Pond	1	LS	\$ 127,700.00	\$ 127,700.00			50%	\$ 63,850.00		\$ 63,850.00
2-3	De-watering Pumps & Piping within Caisson	1	LS	\$ 74,000.00	\$ 74,000.00			50%	\$ 37,000.00		\$ 74,000.00
2-4	Installation of Ports	2	EA	\$ 30,000.00	\$ 60,000.00			2	\$ 60,000.00		\$ 60,000.00
2-5	Setup & Takedown for Lateral Jacking	1	LS	\$ 45,000.00	\$ 45,000.00			1	\$ 45,000.00		\$ 45,000.00
2-6	Turning Jacking Setup to Next Lateral	2	EA	\$ 50,000.00	\$ 100,000.00			2	\$ 100,000.00		\$ 100,000.00
2-7	Furnish, Install & Develop 12" Laterals	300	LF	\$ 1,650.00	\$ 495,000.00			230	\$ 379,500.00		\$ 379,500.00
2-8	Furnish & Install (1) 12" Stainless Steel Gate Valves	1	LS	\$ 76,000.00	\$ 76,000.00			1	\$ 76,000.00		\$ 76,000.00
2-9	Initial & Final Performance Tests	1	LS	\$ 108,000.00	\$ 108,000.00			1	\$ 108,000.00		\$ 108,000.00
TOTAL PHASE 2											
1,249,500.00											
TOTAL PHASE 1 & 2											
2,465,000.00											
Additive Bid Schedule											
A-1	Assembly & Disassembly of Supplied Yellowline Piping		LS	\$ 44,000.00							
A-2	Installation of Ports		EA	\$ 52,000.00							
A-3	Furnish, Install & Develop 12" Laterals		LF	\$ 1,650.00							
A-4	Furnish & Install (1) 12" Stainless Steel Gate Valves		EA	\$ 45,000.00							
A-5	Turning Jacking Setup to Next Lateral		EA	\$ 50,000.00							
A-6	Remove & Reinstall Support Flooring at Different Elev.		EA	\$ 72,000.00							
A-7	Provide Stainless Steel Ladder		LS	\$ 49,000.00							
A-8	Install Stainless Steel Ladder		LS	\$ 32,000.00							
TOTAL ADDITIVE WORK											
32,000.00											
CHANGE ORDERS											
CO #	Change Orders		LS	\$ 40,125.18							
2	Port Leaks, Dive Work to Seal	1	LS	\$ 40,125.18							
TOTAL CHANGE ORDER WORK											
40,125.18											
TOTAL PROJECT COST											
2,505,125.18											
Retainage (5%)											
125,262.76											
Net Due to Date											
2,379,862.42											
Previously Invoiced											
2,049,981.42											
Due This Period											
329,881.00											

Respectfully Submitted: *James Bell* 10/30/2023
 Layne Christensen, James Bell, Project Manager

Approved: Humboldt Bay Municipal Water District, John Friedenbach, General Manager
John Friedenbach 10/30/2023

Approved: GHD Inc., Patrick Sullivan or Nathan Stevens, Engineer

contessa@hbmwd.com

From: Larson, Monty@Wildlife <Monty.Larson@wildlife.ca.gov>
Sent: Friday, October 13, 2023 8:51 AM
To: John Friedenbach
Cc: Dale Davidsen; Nathan Stevens; Sanville, Cheri@Wildlife; Fraley, John@Wildlife
Subject: RE: HBMWD Collector 2 Laterals Project - LTSAA Activity G Extension request

John,

The extension is acceptable. Continue to monitor the forecast there is a typhoon getting pulled into the jet stream on the other side of the ocean that could impact river levels. Seems unlikely right now but something to monitor. All equipment shall be removed from the River bar prior to sunset October 31. You may request an additional work period extension up to October 30 if the work is not complete and the forecast remains such that the crane would not be in the wetted channel of the river. If you have any questions send an email or call.

Monty Larson

Water Rights Coordinator, Region 1, Coastal
619 Second Street
Eureka, CA 95501
707-496-2292
monty.larson@wildlife.ca.gov



Value flowing rivers, Value Science!

John Friedenbach

From: John Friedenbach <friedenbach@hbmwd.com>
Sent: Friday, October 13, 2023 8:02 AM
To: 'Larson, Monty@Wildlife'
Cc: Dale Davidsen (supt@hbmwd.com); Nathan Stevens
Subject: HBMWD Collector 2 Laterals Project - LTSAA Activity G Extension request
Attachments: Precipitation Outlook.pdf

Importance: High

Hi Monty,

This email is regarding the Humboldt Bay Municipal Water District's October 15 deadline for river bar access. Since we are quickly approaching that date, I am hoping to receive a response from you.

As you are aware, HBMWD is currently under contract with a contractor for installing new laterals on Collector 2, which requires a crane on the river bar accessing the collector for the work. The work is substantially complete, but there are some tasks that remain before the collector is back to being operational and the river bar can be completely vacated. The work is being performed under Activity G in the LTSAA described on page 8 of 20, and snipped below:

- G. Gaining access to and maintaining Ranney collectors, which may involve building temporary gravel structures in the bed of the Mad River to access the collectors.**

Periodic, As-Needed, Maintenance Activities

Page 16 of 20 of the LTSAA notes the following regarding schedule for this activity:

- D. Routine Maintenance Activity G and Periodic Maintenance Activity H shall be confined to the period July 1 through October 15 of each year.**

We are requesting to extend the October 15 deadline through to October 31 of this year, based on current and projected river levels and weather forecast through the end of October. If the extension was not granted, the District would be unable to get the collector operational until next summer, meaning we would be going into the winter without the use of one of our four collectors, which becomes very critical when turbidity levels rise due to winter storms.

Note that there is no excavation, fill, or moving of gravel occurring as a part of this work, and that we are completely out of the river channel. I have attached a weather forecast from the National Weather Service that shows the general weather pattern for the next 7 days includes lingering rainfall today, with a short stretch of drier conditions for the rest of the work week before the next chance rain arrives for the weekend through early next week. The 6 day rainfall forecast (see attached graphic) suggests around 0.25 to 1.5 inches possible in the Mad River Basin and 10 day (Oct 10-19) rainfall forecasts suggest that the Mad River Basin could observe 1 to 2 inches of rainfall. Overall minor impacts are expected with this next rain with the Mad River having a 33% chance of rising by 1 foot. There is a 10 Day River Level Probabilities graphic attached. This shows the spread of possible river levels over the next 10 days.

Then beyond that, it doesn't look like there are very good chances for an atmospheric river to impact northern California from approximately oct 19 through oct 26. It could still be wet but not necessarily due to an atmospheric river. The longer range precipitation graphic shows near normal chances for rain for northern California from Oct 17 through 23.

Included in the attached is the current river elevation and a prediction of what it will get to. We estimate that the river would need to come up approximately 4 feet before it would impact the ongoing work and do not see this as an issue between now and the end of the month.

Please let me know if you have any questions or comments. Otherwise, I look forward to hearing your response.



HUMBOLDT BAY MUNICIPAL WATER DISTRICT

828 Seventh Street • Eureka, California 95501-1114
 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
 Website: www.hbmwd.com

BOARD OF DIRECTORS

NEAL LATT, PRESIDENT
 MICHELLE FULLER, VICE-PRESIDENT
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 SHERI WOO, DIRECTOR

GENERAL MANAGER
 JOHN FRIEDENBACH

November 9, 2023

California Governor's Office of Emergency Services
 Hazard Mitigation Grants Program Unit
 3650 Schriever Avenue
 Mather, CA 95655

RE: HBMWD DR4407-0701 Project Revised Match Commitment Letter Collector Mainline Redundancy Pipeline

Dear State Hazard Mitigation Officer,

As part of the Hazard Mitigation Grant Program process, a local funding match is required. This letter serves as Humboldt Bay Municipal Water District's commitment to meet the matching fund requirements for the HBMWD Collector Mainline Redundancy Project under the Hazard Mitigation Grant Program and revised Scope of Work.

Name of funding source: Municipal customer rate payers.

Funding type: Wholesale water rates.

The local matching fund requirement is \$1,688,000 (\$763,500 + \$924,500) and is available as of November 9, 2023.

Please contact Chris Harris, Business Manager, by phone at (707) 443-5018 or email at harris@hbmwd.com if you have any questions.

Sincerely,

John Friedenbach
 General Manager

GAVIN NEWSOM
GOVERNOR



NANCY WARD
DIRECTOR

10/12/2023

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

Subject: Phase 1 Time Extension Approval #2 (Internal)
FEMA-4407-DR-CA, November 2018 California Wildfires
Cal OES PJ-0701, FEMA 99, HBMWD Collector Mainline Redundancy
Project
Subrecipient: Humboldt Bay Municipal Water District, FIPS: 023-91000

Dear John Friedenbach:

The California Governor's Office of Emergency Services (Cal OES) approves a time extension from December 4, 2023 to December 4, 2024 for completion of the project referenced above. Cal OES reviewed the project history and determined the time extension is warranted.

The approved budget and scope of work remain unchanged for this project. A time extension is approved, and all work must be completed by the new POP end date.

All Phase 1 work defined in the approved scope of work must be completed not less than 45 days prior to the approved Phase 1 period of performance. All reimbursement claims and Phase 1 deliverables must be submitted to the CalOES Hazard Mitigation Grants Division (HMGD) no later than 30 days prior to the approved Phase 1 period of performance.

Approved Phase 1 period of performance (POP): 12/4/24
Completion of Phase 1 Scope of Work: 10/20/24
Phase 1 deliverables and reimbursement claims due to CalOES-HMGD:
11/4/24

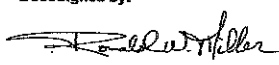


3650 SCHRIEVER AVENUE • MATHER, CA 95655
RECOVERY SECTION • HAZARD MITIGATION ASSISTANCE BRANCH
PHONE: (916) 328-7450 • EMAIL: HMA@CALOES.CA.GOV
www.CalOES.ca.gov

John Friedenbach
10/12/2023
Page 2

If you have any questions, please contact Christine Lacey, Regional Manager,
at 916-926-9869 or Christine.Lacey@CalOES.ca.gov.

Sincerely,

DocuSigned by:

FA9FF180CC19445...

RON MILLER
Acting State Hazard Mitigation Officer

cc: Robert McCord, Hazard Mitigation Branch Chief, FEMA Region IX
Stephanie Stephens, Sr., Grants Management Specialist, FEMA Region IX



October 27, 2023

Reference No. 11218859

Mr. John Friedenbach
Humboldt Bay Municipal Water District
P.O. Box 95
Eureka, CA 95502

Re: Scope of Services for Phase 2 of the Reservoirs Seismic Retrofit Project (3 Tanks)

Dear John,

The Reservoirs Seismic Retrofit Project encompasses the retrofit of the 1 million-gallon (MG) tank and the 2 MG tank at the Korblex site as one bid package and the retrofit of the 1 MG tank on the Samoa Peninsula as a second bid package. The overall project was envisioned to be completed in two phases beginning with the preliminary design and environmental field analysis work completed under Phase 1 and the final design, final permitting, and construction and associated support to be completed under Phase 2.

GHD completed the Phase 1 portion of the project in July 2021, which included the following final deliverables:

- 60% Design Plans for the Korblex Site
- 60% Specifications for the Korblex Site
- 60% Opinion of Cost for the Korblex Site
- 60% Design Plans for the Samoa Site
- 60% Specifications for the Samoa Site
- 60% Opinion of Cost for the Samoa Site
- Geotechnical Investigation
- Basis of Design Report
- Wetlands Delineation Report
- Biological Evaluation Report
- Sensitive Plant Community Mapping Report
- Sensitive Plant Survey Report
- Cultural Investigation Report
- EDR Review Memorandum
- Lead and Asbestos Report

The Scope of Services for Phase 2 of this project is intended to facilitate the completion of one bid package for the Korblex site and one package for the Samoa site. Phase 2 work also encompasses the completion of the environmental permitting process. This scope also includes bid period support services. GHD understands the District will retain a separate firm to provide construction inspection and management services. As the engineer of record for the design of the retrofits, it is necessary for GHD to provide Engineering Services During Construction (ESDC) to address key design related issues during



construction, and these services will also be covered under this scope and budget.

Scope of Services

The following tasks define our scope of work.

Task 1 – Project Management

This task consists of the overall project management and close coordination with the District, funding agencies, and permitting agencies. Project management includes internal project team member coordination. For the Phase 2 work, GHD does not envision the need for sub-consultants.

1.1 Attend and document design meetings

GHD will organize and facilitate project meetings with the District, and other stakeholders as needed. GHD will attend and report on the Project as necessary at the District Board meetings and will facilitate additional meetings as necessary with permitting agencies, and other stakeholders. For the purposes of this scope, it is assumed that GHD will attend and facilitate up to three (3) meetings with the District staff and stakeholders. GHD will prepare agendas for the meetings, document minutes, and distribute minutes after the meetings. It is anticipated that one of the planned meetings will be a Phase 2 kickoff meeting to review the current status of the design and permitting process and the plans to complete the work.

1.2 Correspondence

GHD will prepare correspondence with District staff, their Board, FEMA staff, the permitting agencies, and other stakeholders as needed. Draft copies of the correspondence will be submitted to the District for review, and copies of all final documents will also be submitted to the District with copies maintained at GHD.

1.3 Maintain project files

GHD will provide the District with electronic copies of key documents during the project and will retain additional internal design information for long term reference for the District.

1.4 Manage and direct overall design and environmental teams

GHD will coordinate, manage, and direct the design and environmental teams throughout the Phase 2 work as necessary for the completion of the design and environmental work associated with this project.

Task 1 Deliverables:

- Meeting agendas
- Meeting minutes



Task 2 – Quality Control and Quality Assurance of all Work Products

Quality Assurance (QA) is the plan for development of work products meeting the required quality standards, and Quality Control (QC) is the process of checking the work products to verify that they meet appropriate standards. GHD's process is based on ISO 9000. GHD will build QA into the overall plan and approach to the work and will schedule QC checks into the process so that all deliverables are appropriately reviewed prior to delivery. GHD's process includes planned Quality Control checks and standard review forms that are completed by the reviewer and project manager and are included in the permanent files for the District.

Task 3 – Grant Administration Assistance

GHD will coordinate with staff at FEMA and CalOES as well as with District Staff for administration of the Hazard Mitigation Grant, and is available to participate in other meetings, conference calls, and coordination to help facilitate the continued smooth execution of the grant.

GHD will provide support as requested from the District for the completion of the quarterly progress reports required under the grant, but it is anticipated that the District will lead the effort for completion and submission of the quarterly reports. GHD will compile the necessary documentation to meet grant closeout requirements.

Task 3 Deliverables:

- Support for preparation of quarterly status reports.
- Grant closeout documentation.

Task 4 – Final Engineering Design

5.1 Prepare final design packages for the Korblex site and the Samoa Site

Based on the basis of design and the 60% engineering plans, specifications and estimate prepared under a previous scope of services, GHD will develop 90% design plans, specifications, and an update of the opinion of probable cost. This will be delivered to the District in electronic format, and a review workshop meeting will be held via Microsoft Teams. GHD will prepare the final 100% bid ready plans and specifications based on comments received from the District. No further refinement of the costs will be completed at 100%.

The development of the 90% and 100% submittals will be based on a review and refinement of the work already completed. The tanks at the Korblex site have cathodic protection, but the Samoa 1 MG tank appears to only have remnants of a cathodic protection system, which does not appear to be functional. Therefore, the final engineering design will include the design of a cathodic protection system for the Samoa 1 MG tank.

Task 4 Deliverables:

- 90% Design plans, specifications, and opinion of cost
- 100% Final bid ready plans and specifications



Task 5 – Final Environmental Permitting

5.1 CEQA Notice of Exemption

GHD will complete a CEQA Notice of Exemption (NOE) for the tanks Project. It is anticipated the categorical exemption (CE) for Existing Structures (15301) and CE for New Construction or Conversion of Small structures (15303) will be applicable to the Project. Other CEs will also be reviewed to determine if they apply based on the final project characteristics. The Draft NOE will be provided to the District for review and comment. The Final NOE will be prepared based on comments from the District and will be provided to the District. GHD will assist District staff with presentation of the Final CEQA NOE to the Board of Directors for adoption.

Task 5.1 Deliverables:

- Draft CEQA NOE
- Final CEQA NOE

5.2 County of Humboldt Coastal Development Permit

GHD will gather and review relevant background information related to the Project for inclusion in the Coastal Development Permit (CDP) application. This includes the CEQA NOE and special studies completed for Phase I of the project. In addition, The Humboldt Bay Area Plan-LCP will be reviewed to determine if the Project is consistent with the LCP.

The Project will be reviewed and discussed during a single meeting or phone call with a staff member from the County of Humboldt. The purpose of the meeting will be to facilitate permit processing with the County by coordinating early on reviewing the project description and anticipated potential impacts to coastal resources, approval requirements, and processing timeframes.

GHD will incorporate suggestions from the County and prepare the CDP application and submit it to the District for review and comment. GHD will then prepare a final CDP application that incorporates comments from the District review. The CDP application will then be submitted to the County. GHD assumes one round of comments from the District, and one follow up meeting with the County after the permit application is submitted. GHD also assumes the District will pay all permit fees.

Task 5.2 Deliverables:

- Draft Coastal Development Permit Application
- Final Coastal Development Permit Application



Task 6 – Bid Period Services

6.1 Assistance During the Bidding Period

GHD understands that the District will engage a third-party firm (hereinafter referred to as the “construction inspector and manager” or “construction manager”) to provide construction inspection and management services, including any special inspections required for structural work, as well as coating inspections. As such, GHD will provide only limited assistance during the bidding process as an extension of the design related services GHD completed as the Engineer of Record on the project.

GHD's bid period assistance will be limited to creating the Advertisement for Bids that the District will advertise in the local paper, attending the pre-bid conference, answering technical written questions received during the bid period via addenda, attending the bid opening, review of bids, and preparation of the recommendation for award. It is assumed that the District will have the selected construction inspector and manager under contract during the bidding process. They will be the primary point of contact for bidders and will conduct the pre-bid meeting and address non-technical questions during the bidding process.

Task 6.1 Deliverables:

- Advertisement for bid
- Addenda addressing technical questions and clarifications during bidding
- Recommendation for award memo

Task 7 – Engineering Services during Construction

Due to grant eligibility purposes, GHD is precluded from performing the full range of construction management services that are required for this project. However, as the Engineer of Record on the project, it is essential that GHD provide the following services during construction:

- Participating in the preconstruction meeting.
- Reviewing submittals, RFIs, change orders, and being consulted on any issues regarding answering design questions or modifying the design.
 - This includes addressing changes that come up during construction that require design interpretation or changes, including issues such as differing site conditions.
- Performing periodic site inspections to address potential changes and to confirm that construction is meeting the intent of the design.
- Reviewing contractor markups and preparing project record drawings

GHD's services under this task will not be grant reimbursable. The construction manager and inspector will be selected by the District will perform construction inspection and management/administration, which will include performing daily inspections, providing daily reports, coordinating and running regular construction meetings, reviewing pay requests, and preparing closeout documentation. However, the construction manager and inspector cannot be decision makers when it comes to matters concerned with the project design.



The budget for this overall task is given with the assumption that the construction period will last four months.

7.1 Attend Preconstruction Meeting

GHD will attend one virtual two-hour preconstruction meeting organized by the construction manager. It is assumed that the preconstruction meeting will be conducted via Microsoft Teams. The construction manager will prepare the agenda and compile and distribute minutes.

Task 7.1 Deliverables:

- None

7.2 Respond to Selected Technical Engineering RFI's

The construction manager will receive and log RFI's and will review and respond to non-technical RFI's that they can address based on their role on the project. For technical RFI's requiring design interpretation, the construction manager will forward them to GHD for design review. Substitutions or alternative approaches proposed by the contractor will be forwarded to GHD engineers for review. GHD will respond to the RFI and return to the construction manager.

Task 7.2 Deliverables:

- Responses to up to 10 technical RFI's.

Task 7.2 Assumptions:

- Nontechnical RFI's not requiring the Engineer of Record will be addressed by others.
- Construction management software, if used, will be managed by others.
- GHD will assist with up to 10 RFI's.

7.3 Respond to Selected Technical Engineering Submittals

The construction manager will receive and log submittals and will respond to submittals that they can address based on their role on the project. For example, it is expected that the construction manager will respond to administrative submittals, erosion control and traffic control submittals, and submittals for standard construction products such as aggregates, concrete, asphalt, etc. More technical submittals requiring design interpretation will be forwarded to GHD. It is expected that submittals related to the tanks, substitutions, and other more detailed technical matters will be forward to GHD for review, and the construction manager will review other submittals. GHD will provide submittal responses to the construction manager.

Task 7.3 Deliverables:

- Responses to technical submittals through the construction manager



Task 7.3 Assumptions:

- Submittal process to be managed by the construction manager
- Nontechnical submittals, not requiring the Engineer of Record, to be addressed by others
- Up to a total of four (4) submittals, which are anticipated to include tank shop drawings, will be reviewed by GHD.
- Up to a total of four (4) substitutions will be responded to by GHD. One (1) tank related substitution, and up to three additional (3) substitutions will be responded to by GHD

7.4 Provide Support for Selected Technical Change Orders

During the course of the project, it may be necessary to execute one or more change orders based on the actual field conditions encountered and other conditions. Depending on the nature of the changes, GHD may need to review what is being proposed and may need to prepare clarifying sketches or descriptions of modified work.

Task 7.4 Deliverables:

- Phone, email support, and up to three (3) written responses with technical changes requiring the Engineer of Record, as warranted.

Task 7.4 Assumptions:

- Management of change order process will be handled by others
- Cost estimating/cost confirmation will be done by others
- Assumes assistance with three (3) change orders

7.5 Attend Selected Construction Meetings

Regular construction meetings will be conducted by the construction manager. GHD is available to attend selected construction meetings in person or virtually. Up to three (3) in person construction meetings can be attended as part of a focused in person site inspection covered under Task 7. Otherwise, it is assumed that up to two (2) one-hour construction meetings will be held virtually per month.

Task 7.5 Deliverables:

- None

Task 7.5 Assumptions:

- Up to eight (8) virtual one-hour construction meetings will be attended.



7.6 Conduct Focused Site Inspections

The project will have regular inspection and management by the construction manager. GHD will provide focused site inspections during the construction project to review progress and to inspect specific technical aspects of the work.

Task 7.6 Deliverables:

- Site inspection reports or email correspondence following site inspections depending on the nature of the items observed.

Task 7.6 Assumptions:

- Up to eight (8) in person site inspections will be held during the project.

7.7 Prepare Record Drawings

The contractor is responsible for maintaining a set of red line markups during the project as will the construction manager. One final set of red line markups will be provided to GHD and GHD will make the changes to the AutoCAD drawings and cloud changes to distinguish them as being made from the field red lines. GHD will provide both AutoCAD drawings and a PDF of the final record drawings.

Task 7.7 Deliverables:

- Record drawings in AutoCAD and PDF format delivered electronically, as well as (2) 11 x 17 and (2) 22 x 34 hard copies.

Task 7.7 Assumptions:

- The construction manager will compile one complete rectified set of redlines that incorporate contractor redlines and construction manager redlines. Conflicting or incomplete redlines will be rectified and completed prior to providing to GHD. The compiled set to be provided to GHD will show only relevant changes to the design that warrant inclusion in the record drawings. GHD will be provided a color scanned PDF document of the final compiled and rectified set of redlines.

Task 8 – Prepare Request for Qualifications for Construction Inspection and Management Services

8.1 Prepare RFQ

As discussed above, the District will engage a third-party firm to provide construction inspection and management services. Because GHD will not be performing these services, we will assist the District with preparing a Request for Qualifications (RFQ) for the District to advertise to solicit competitive Statements of Qualifications (SOQs) for these services. GHD will prepare a draft RFQ for review by District staff, and



then will incorporate District comments into a final RFQ. It is assumed that the District will be the primary point of contact for firms who have questions during the RFQ process. GHD will be available to assist the District with technical questions that are asked by firms during the RFQ process.

GHD will also review and score SOQs that are submitted and will participate in one (1) review panel meeting to discuss SOQ scoring. The fee presented below is given assuming up to four respondents, and additional fee may be required if more than four SOQs are received.

Task 8.1 Deliverables:

- Draft Request for Qualifications
- Final Request for Qualifications
- SOQ review scoring sheet

Professional Service Fee

GHD will provide the above-described scope of services at rates based on the rate schedule previously agreed upon between GHD and HBMWD on a time and materials basis per the summary of fee by task as shown below. GHD reserves the right to move budget between tasks.

Task	Description	Grant Portion	District Portion	Total Cost
1	Project Management	\$3,590	\$1,197	\$4,787
2	QA/QC	\$5,663	\$1,888	\$7,551
3	Grant Administration Assistance	\$6,258	\$2,086	\$8,344
4	Final Engineering Design	\$101,556	\$33,853	\$135,409
5	Final Environmental Permitting	\$14,392	\$4,798	\$19,190
6	Bid Period Services	\$0	\$9,495	\$9,495
7	Engineering Services during Construction	\$0	\$72,521	\$72,521
8	Prepare Request for Qualifications for Construction Inspection and Management Services	\$0	\$5,851	\$5,851
Total		\$131,459	\$131,689	\$263,148

Grant Funded @ 75%

Not Grant Funded

Grant

Not Grant

It is assumed that the "Final Engineering Design" budget in the Phase 2 HMGP grant will cover Tasks 1 through 4 above (outside of the District's 25% match requirement). It is assumed that the "CEQA NOE and Coastal Development Permit" budget in the Phase 2 HMGP grant will cover Task 5 above (outside of the District's 25% match requirement). Due to recent interpretations of the Code of Federal Regulations by



FEMA, Tasks 6 through 8 above will be paid for outside of the HMGP grant. However, there is available grant budget for the firm that is selected for construction inspection and management.

Schedule

GHD proposes to complete the tasks associated with this project according to the following schedule assuming a contract execution date as noted below:

- Contract execution: November 10, 2023
- Kick-off Meeting: week of November 13, 2023
- Final Environmental Permits: January 26, 2024
- 90% Design Submittal: February 2, 2024
- District comments on 90% Design Submittal: February 16, 2024
- Final 100% Bid Ready Design Submittal: March 15, 2024
- Advertise for bids: March 18, 2024
- Bids due: April 17, 2024
- Review bids: April 17 – April 19, 2024
- Award project to contractor: Week of April 22, 2024 (will require special board meeting)

Per the Phase 2 award letter from FEMA dated May 25, 2023, the project completion date is March 30, 2025. It is anticipated that construction will be completed the summer of 2024, which will allow time for closeout documentation to be completed prior to the project completion date.



Assumptions

This proposal is limited to the tasks as outlined in the scope of work above. The following considerations and assumptions are included in our project proposal:

- No further topographic survey or utility locating included.
- All permit fees paid directly by the District.
- District to retain separate firm to provide construction inspection and management services.

We value our long-term relationship and look forward to the opportunity to assist the District with this project. If you have any questions, please do not hesitate to contact us.

Sincerely,

GHD

A handwritten signature in black ink that reads "Nathan Stevens".

Nathan Stevens, PE

District Engineer

A handwritten signature in blue ink that reads "Steve McHaney".

Steve McHaney, PE

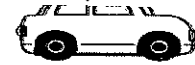
Project Manager

FINANCIAL

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
STATEMENT OF FUND BALANCES - PAGE 1 OF 2

<u>BANK ACCOUNT BALANCES AT MONTH-END</u>	October 31, 2023	October 31, 2022
GENERAL ACCOUNTS		
1. US Bank - General Account	2,018,640.58	4,206,754.06
2. US Bank - Xpress BillPay/Electronic Payments Account	6,787.74	11,244.84
<i>Subtotal</i>	2,025,428.32	4,217,998.90
INVESTMENT & INTEREST BEARING ACCOUNTS		
3. US Bank - DWR/SRF Money Markey Acctnt	166,610.78	303,408.28
4. US Bank - DWR/SRF Reserve CD Account	547,336.94	547,336.94
5. US Bank - PARS Investment Account	827,061.03	864,535.04
<i>Contributions = \$800,000 Disbursements = \$166,619</i>		
6. L. A. I. F Account - MSRA Reserve Account	460,123.29	447,094.05
7. CalTRUST - Restricted Inv. Account (Medium Term)	1,712,100.45	1,663,518.43
8. CalTRUST - DWFP Reserve Account (FedFund)	-	242,881.31
9. CalTRUST - ReMat Account (LEAF Fund)	-	1,121,815.91
10. CalTRUST - General Reserve Account (Short-Term)	4,542,559.01	2,373,598.03
<i>Total CalTRUST Accounts</i>	<i>6,254,659.46</i>	<i>5,401,813.68</i>
11. California CLASS - DWFP Reserve Account	253,866.71	-
12. California CLASS - ReMat Reserve Account	1,373,686.63	-
<i>Total California CLASS Accounts</i>	<i>1,627,553.34</i>	<i>-</i>
13. Humboldt County - SRF Loan Payment Account	144,027.61	280,861.90
14. Humboldt County - 1% Tax Account	-	(18,048.38)
15. Principle Investment Account	36,141.12	47,061.39
<i>Subtotal</i>	10,063,513.57	7,874,062.90
OTHER ACCOUNTS		
16. ReMat Deposit - Mellon Bank	27,000.00	27,000.00
17. Cash on Hand	650.00	650.00
<i>Subtotal</i>	27,650.00	27,650.00
TOTAL CASH	12,116,591.89	12,119,711.80

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
STATEMENT OF FUND BALANCES - PAGE 2 OF 2



<u>FUND BALANCES AT MONTH-END</u>	October 31, 2023	October 31, 2022
RESTRICTED FUNDS - ENCUMBERED		
1. Prior-Year Price Factor 2 Rebate	(15,738.00)	(19,413.60)
2. Prior-Year Restricted AP Encumbrances	(707,105.00)	(104,984.00)
3. Advanced Charges - 3x Tank Seismic Retrofit	(1,519,111.09)	(1,269,146.62)
4. Advanced Charges - Cathodic Protection Project	(124,999.96)	(124,999.96)
5. Advanced Charges - Collector 2 Rehabilitation	(704,531.18)	(997,238.62)
6. Advanced Charges - On-Site Generation of Chlorine	(654,914.17)	(1,055,799.79)
7. Advanced Charges - Redundant Pipeline	(387,782.70)	(311,792.49)
8. Advanced Charges - TRF Emergency Generator	(372,389.61)	(375,000.00)
9. 3AC Collected Funds - TRF Emergency Generator	(312,858.62)	(312,858.62)
10. Advanced Funding - FEMA, Shoreline Debris Removal	1,487.72	(97,941.60)
11. Advanced Funding - August Complex-Ruth Paving	(112,456.22)	(112,456.22)
12. Advanced Charges - Assist. Spillway Seismic Grant	(23,333.32)	(23,333.32)
13. Advanced Funding - Eureka Cyber Security	(19,597.72)	(19,597.72)
14. Advanced Charges - Essex Facility Expansion	(105,400.00)	(105,400.00)
15. Advanced Charges - Capital Financing/Debt Service	(297,368.04)	(135,166.68)
<i>Subtotal</i>	(5,356,097.91)	(5,065,129.24)
RESTRICTED FUNDS - OTHER		
16. 1% Tax Credit to Muni's	-	18,048.38
17. DWR Reserve for SRF Payment	(166,610.78)	(303,408.28)
18. DWR Reserve for SRF Loan	(547,336.94)	(547,336.94)
19. Pension Trust Reserves	(827,061.03)	(864,535.04)
20. ReMat Deposit	(27,000.00)	(27,000.00)
21. HB Retail Capital Replacement Reserves	(190,745.27)	(143,654.74)
<i>Subtotal</i>	(1,758,754.02)	(1,867,886.62)
UNRESTRICTED FUNDS		
BOARD RESTRICTED		
22. MSRA Reserves	(460,123.29)	(447,094.05)
23. DWFP Reserves	(253,866.71)	(242,881.31)
24. ReMat Reserves	(1,373,686.63)	(1,121,815.91)
25. Paik-Nicely Development	-	(4,158.00)
26. Principle Investment Reserves	(36,141.12)	(47,061.39)
27. Northern Mainline Extension Study Prepayment	56.40	56.40
28. Blue Lake Rancheria Extension Study Prepayment	(2,916.00)	-
<i>Subtotal</i>	(2,123,761.35)	(1,862,954.26)
UNRESTRICTED RESERVES		
29. Accumulation for SRF Payment	(144,027.61)	(280,861.90)
30. General Fund Reserves	(2,733,951.00)	(3,048,512.22)
<i>Subtotal</i>	(2,877,978.61)	(3,323,741.68)
TOTAL NET POSITION	(12,116,591.89)	(12,119,711.80)

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
 REVENUE REPORT
 October 31, 2023

SECTION 10.2.9, PAGE NO. 3

33%

Of Budget Year



A. REVENUE RETURNED TO CUSTOMERS VIA PF2

	MTD RECEIPTS	YTD RECEIPTS	PRIOR YEAR	BUDGET	% OF BUDGET
1. Humboldt Bay Retail Water Revenue	31,915	125,033	111,089	350,000	36%
General Revenue					
Power Sales (Net ReMat)	0	0	24,715	125,000	0%
Tax Receipts (1% Taxes)	0	317,212	0	1,000,000	32%
2. Miscellaneous Revenue*	595	3,160	30,064	50,000	6%
<i>*Detail on following page</i>					
TOTAL PF2 REVENUE CREDITS	32,510	445,404	165,868	1,525,000	29%

B. DISTRICT REVENUE

	RECEIPTS	RECEIPTS	YEAR	BUDGET	BUDGET
3. Industrial Water Revenue					
Harbor District	0	0	200	0	0
<i>Subtotal Industrial Water Revenue</i>	<i>0</i>	<i>0</i>	<i>200</i>	<i>0</i>	<i>0</i>
4. Municipal Water Revenue					
City of Arcata	129,022	507,689	499,129	1,538,900	33%
City of Blue Lake	17,126	67,480	65,428	202,362	33%
City of Eureka	299,630	1,192,887	1,161,912	3,617,684	33%
Fieldbrook CSD	33,973	65,681	62,417	194,298	34%
Humboldt CSD	91,854	369,724	352,840	1,105,724	33%
Manila CSD	7,750	30,108	28,779	90,372	33%
McKinleyville CSD	107,177	419,974	408,606	1,266,298	33%
<i>Subtotal Municipal Water Revenue</i>	<i>686,532</i>	<i>2,653,543</i>	<i>2,579,110</i>	<i>8,015,638</i>	<i>33%</i>
TOTAL INDUSTRIAL & WHOLESALE REVENUE	686,532	2,653,543	2,579,309	8,015,638	33%

5. Power Sales

Power Sales (ReMat Revenue)	0	0	49,447	300,000	0%
Interest (ReMat Revenue)	0	0	0	0	
TOTAL REMAT REVENUE	0	0	49,447	300,000	0%

6. Other Revenue and Grant Reimbursement

HB Retail Capital Replacement Rev.	4,136	16,046	15,782		
FCSD Contract	41,928	94,784	114,856		
FEMA/CalOES Grant Revenue	0	113,363	320,048		
SWRCB In-Stream Flow Grant Revenue	0	0	5,243		
Quagga Grant Revenue	0	0	0		
Misc. Grant Revenue	0	1,120	0		
CalFire Healthy Forest Funding	0	0	0		
CalFire Fuel Reduction Funding	0	339,969	0		
Interest - Muni PF2 Retained	4,112	7,665	2,355		
Net Increase/(Decrease) Investment Accounts	31,808	102,893	(89,572)		
TOTAL OTHER/GRANT REVENUE	81,985	675,839	368,710		
GRAND TOTAL REVENUE	801,027	3,774,786	3,163,335	9,840,638	38%

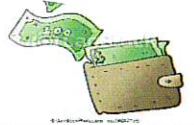
HUMBOLDT BAY MUNICIPAL WATER DISTRICT
 MISCELLANEOUS REVENUE - DETAIL REPORT
 October 31, 2023

B. MISCELLANEOUS RECEIPTS (RETURNED TO CUSTOMERS VIA PF2)

	MTD RECEIPTS	YTD RECEIPTS
<u>Miscellaneous Revenue</u>		
Dividend - Principal Life	347	689
Fees - Park Use	-	-
Rebate - CALCard	-	227
Refund - Diesel Fuel Tax	-	200
Refunds - Miscellaneous	-	101
Reimb - Blue Lake SCADA/Internet Monthly Fees	-	-
Reimb. - Copies & Postage	48	133
Reimb. - Gas	-	-
Reimb. - Misc. Employee	-	-
Reimb. - Telephone	-	-
UB - Water Processing Fees	-	150
UB - Hydrant Rental Deposit/Use	-	-
<u>Ruth Area</u>		
Lease - Don Bridge	-	-
Rent - Ruth Cabin	200	1,560
Ruth Annual Lessee Water Fees	-	100
<hr/>		
TOTAL MISCELLANEOUS REVENUE	595	3,160
<hr/>		

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
 MONTHLY EXPENDITURE REPORT - PAGE 1 OF 3
 October 31, 2023

3.3%
 Of Budget Year



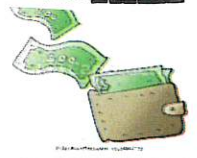
SALARY AND EMPLOYEE BENEFIT EXPENDITURES (S. E. B.)

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
Compensation					
1. Wages - Regular	185,994.66	732,101.06	768,903.55	2,556,746	33%
2. Wages - Sick	8,637.33	24,348.08	30,608.67		
3. Wages - Vacation	16,355.05	87,582.80	87,437.16		
<i>Subtotal</i>	210,987.04	844,031.94	886,949.38	2,556,746	33%
4. Wages - Overtime	826.44	3,219.74	4,583.36	15,855	
5. Wages - Holiday (Worked)	-	2,748.24	1,845.67	15,855	
<i>Subtotal</i>	826.44	5,967.98	6,429.03	31,710	19%
6. Wages - Part-Time	5,339.08	24,270.62	17,779.55	115,430	21%
7. Wages - Shift Differential	969.44	3,811.08	3,802.17	12,156	31%
8. Wages - Standby	8,466.72	33,632.07	29,763.28	97,773	34%
9. Director Compensation	3,040.00	8,880.00	9,440.00	26,000	34%
10. Secretarial Fees	262.50	1,115.63	1,050.00	3,200	35%
11. Payroll Tax Expenses	17,203.80	69,473.22	71,348.05	228,272	30%
<i>Subtotal</i>	35,281.54	141,182.62	133,183.05	482,831	29%
Employee Benefits					
12. Health, Life, & LTD Ins.	42,633.83	175,878.96	228,669.28	982,991	18%
13. Air Medical Insurance	-	2,291.00	1,820.00	2,707	85%
14. Retiree Medical Insurance	9,112.27	36,449.08	37,036.64	83,000	38%
<i>14a. Retiree Medical Reimb.</i>	<i>(1,814.12)</i>	<i>(5,200.41)</i>	<i>(30,644.38)</i>		
15. Employee Dental Insurance	2,732.97	10,903.51	11,927.16	44,086	25%
16. Employee Vision Insurance	578.37	2,314.99	2,579.84	7,471	31%
17. Employee EAP	77.27	309.24	331.01	1,116	28%
18. Fitness Stipend	-	-	-	5,400	0%
19. 457b District Contribution	3,825.00	14,637.50	8,069.04	48,900	30%
20. CalPERS Expenses	30,507.46	322,227.14	410,754.89	599,102	54%
21. Workers Comp Insurance	27,351.12	58,104.35	61,617.70	146,512	40%
<i>Subtotal</i>	115,004.17	617,915.36	732,161.18	1,921,285	32%
TOTAL S.E.B	362,099.19	1,609,097.90	1,758,722.64	4,992,572	32%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
 MONTHLY EXPENDITURE REPORT - PAGE 2 OF 3
 October 31, 2023

33%

Of Budget Year



SERVICE & SUPPLY EXPENDITURES (S & S)

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
<i>Operations & Maintenance</i>					
1. Auto Maintenance	7,794.85	16,853.27	16,302.60	39,200	43%
2. Engineering	2,823.80	9,217.69	30,895.31	75,000	12%
3. Lab Expenses	1,150.00	7,230.00	8,750.00	13,000	56%
4. Maintenance & Repairs					
General	4,211.71	12,554.39	13,071.44	45,200	28%
TRF	930.17	1,540.17	8,302.37	17,000	9%
<i>Subtotal</i>	<i>5,141.88</i>	<i>14,094.56</i>	<i>21,373.81</i>	<i>62,200</i>	<i>23%</i>
5. Materials & Supplies					
General	10,380.90	22,537.60	21,767.90	39,500	57%
TRF	13,517.92	20,117.13	9,283.96	35,000	57%
<i>Subtotal</i>	<i>23,898.82</i>	<i>42,654.73</i>	<i>31,051.86</i>	<i>74,500</i>	<i>57%</i>
6. Radio Maintenance	578.09	2,312.36	2,450.54	8,500	27%
7. Ruth Lake License	-	1,500.00	-	1,500	100%
8. Safety Equip./Training					
General	602.34	4,155.64	6,181.01	19,000	22%
TRF	-	153.00	144.00	2,000	8%
<i>Subtotal</i>	<i>602.34</i>	<i>4,308.64</i>	<i>6,325.01</i>	<i>21,000</i>	<i>21%</i>
9. Tools & Equipment	83.30	945.41	976.63	5,000	19%
10. USGS Meter Station	-	8,600.00	8,220.00	9,000	96%
<i>Operations Subtotal</i>	<i>42,073.08</i>	<i>107,716.66</i>	<i>126,345.76</i>	<i>308,900</i>	<i>35%</i>

General & Administration

11. Accounting Services	200.00	19,605.00	23,940.00	35,000	56%
12. Bad Debt Expense	-	-	-	-	0
13. Dues & Subscriptions	20,595.00	22,103.56	30,136.95	37,400	59%
14. IT & Software Maintenance	4,216.61	25,728.49	29,454.60	82,000	31%
15. Insurance	59,344.50	130,217.44	107,309.77	120,000	109%
16. Internet	740.78	3,011.26	3,711.17	5,500	55%
17. Legal Services	868.00	6,923.16	1,906.50	35,000	20%
18. Miscellaneous	1,117.78	3,207.02	4,355.28	10,000	32%
19. Office Building Maint.	1,742.61	6,827.09	7,976.52	19,000	36%
20. Office Expense	2,998.90	14,733.31	12,398.27	39,600	37%
21. Professional Services	-	1,008.75	4,208.98	20,000	5%
22. Property Tax	-	-	-	3,000	0%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
MONTHLY EXPENDITURE REPORT - PAGE 3 OF 3
October 31, 2023

**SERVICE & SUPPLY EXPENDITURES (con't)**

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
23. Regulatory Agency Fees	25,926.76	31,983.40	5,729.28	199,000	16%
24. Ruth Lake Programs	-	-	-	5,000	0%
25. Safety Apparel	-	355.56	1,219.43	9,300	4%
26. Technical Training	-	314.23	101.36	14,000	2%
27. Telephone	1,065.05	4,177.19	5,409.63	19,000	22%
28. Travel & Conference	3,684.79	8,432.45	4,120.67	22,000	38%
<i>Gen. & Admin. Subtotal</i>	<i>122,500.78</i>	<i>278,627.91</i>	<i>241,978.41</i>	<i>674,800</i>	<i>41%</i>
TOTAL SERVICE & SUPPLY	164,573.86	386,344.57	368,324.17	983,700.25	39%

Power

29. Essex - PG & E	-	62,632.90	-		
30. 2Mw Generator Fuel	-	-	-		
<i>Subtotal Essex Pumping</i>	<i>-</i>	<i>62,632.90</i>	<i>-</i>		
31. All other PG & E	4,737.50	26,841.08	29,059.46		
<i>Subtotal All Power</i>	<i>4,737.50</i>	<i>89,473.98</i>	<i>29,059.46</i>	<i>1,019,000</i>	<i>9%</i>

Total Service and Supplies incl.

Power	169,311.36	475,818.55	397,383.63	2,002,700	24%
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PROJECTS, FIXED ASSETS & CONSULTING SERVICES

	Month-to-Date	Year-to-Date		Budget	% of Budget
	768,429.00	3,043,407.00		19,840,575	15%

GRAND TOTAL EXPENSES	1,299,839.55	5,128,323.45	2,156,106.27	26,835,847	19%
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32. Debt Service - SRF Loan	-	-	-	547,337	0%
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TOTAL EXPENSES WITH DEBT SERVICE

	1,299,839.55	5,128,323.45	2,163,444.71	27,383,184.18	
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OTHER EXPENSES

33. ReMat Consultant Exp.	-	-	7,338.44		
34. Capital Replacement Exp.	-	-	-		

TOTAL EXPENSES WITH REMAT

	169,311.36	475,818.55	404,722.07		
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HUMBOLDT BAY MUNICIPAL WATER DISTRICT
 PROJECT PROGRESS REPORT
 October 31, 2023

33% Of Budget Year



A. CAPITAL PROJECTS

	MTD	YTD		% OF
GRANT FUNDED CAPITAL PROJECTS	EXPENSES	TOTAL	BUDGET	BUDGET
1 Grant - TRF Generator <i>(Treatment Facility Project, \$1.9M - FEMA, Approved)</i>	61,881	62,301	1,900,000	3%
2 Grant - Collector 2 Rehabilitation <i>(\$1.6M - NCRP Prop 1, Approved)</i>	585,046	1,857,398	3,200,000	58%
3 Grant - Collector Mainline Redundancy Pipeline <i>(Treatment/Base Facility Project, \$3.1M - FEMA, Approved)</i>	7,032	57,811	3,100,000	2%
4 Grant - 3x Tank Seismic Retrofit <i>(\$5.7M - FEMA, Phase 1 Approved)</i>	0	0	5,700,000	0%
4A 12kV Relocation	0	60,000	0	0%
TOTAL GRANT FUNDED CAPITAL PROJECTS	653,960	2,037,511	13,900,000	15%

NON-GRANT FUNDED CAPITAL PROJECTS

5 Mainline Valve Replacement Program	0	0	170,000	0%
6 ADA Improvments - Eureka Office Parking Lot	0	413	11,000	4%
7 Storage Barn at Headquarters <i>(\$180k, FY24/FY25, Advanced Charges being Collected)</i>	0	0	0	0
TOTAL NON-GRANT FUNDED CAPITAL PROJECTS	0	413	181,000	0%

B. EQUIPMENT AND FIXED ASSET PROJECTS

	MTD	YTD		% OF
	EXPENSES	TOTAL	BUDGET	BUDGET
8 FY24 Replace Essex Admin Computers	0	0	6,500	0%
9 FY24 Replace Control Computers	0	0	5,250	0%
10 Spare Collector Motor	0	0	108,250	0%
11 Portable Eye Wash & Shower	491	491	1,750	28%
12 Pipeline Maintenance Equipment	292	2,100	5,750	37%
13 John Deere 4052 Implements	0	2,497	6,500	38%
14 Maintenance Shop High Bay Lights	0	0	3,250	0%
15 Cordless Tools & Equipment	0	4,085	5,250	78%
16 TRF Security Fence <i>(Treatment Facility Project)</i>	0	0	7,750	0%
17 TRF Spare Process Pumps <i>(Treatment Facility Project)</i>	25,508	25,508	25,750	99%
18 TRF Replace PH Probes <i>(Treatment Facility Project)</i>	0	0	26,750	0%
19 TRF Benchtop Turbidity Meter <i>(Treatment Facility Project)</i>	0	0	6,750	0%
20 Tesla Battery Project - TRF <i>(Treatment Facility Project)</i>	233	931	0	0

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
PROJECT PROGRESS REPORT - PAGE 2 OF 5
October 31, 2023

33% Of Budget Year

**B. EQUIPMENT AND FIXED ASSET PROJECTS (con't)**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
21 FY24 Replace Eureka Admin Computers	0	0	3,000	0%
22 Ruth Hydro Power Monitor Replacement	0	0	13,500	0%
23 Ruth Hydro Plant PRV Internal Belzona Repairs	0	0	4,750	0%
24 Ruth Hydro Incoming Power Feed Conductors	0	0	42,500	0%
25 Ruth Bunkhouse Picnic Table Replacement	1,388	1,388	2,000	69%
26 Ruth Automated Tiltometers	0	0	50,000	0%
26A Grant - Power Loss - FEMA 4699 Winter Storm	1,060	1,450	0	0%
TOTAL EQUIPMENT & FIXED ASSET PROJECTS	28,972	38,450	325,250	12%

C. MAINTENANCE PROJECTS

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
27 FY24 Pipeline Maintenance	0	0	14,000	0%
28 FY24 Main Line Meter Flow Calibration	0	0	28,000	0%
29 FY24 Technical Support & Software Updates	4,590	32,436	26,750	121%
30 FY24 Generator Services	0	0	3,500	0%
31 FY24 Hazard & Diseased Tree Removal	0	0	8,000	0%
32 FY24 Cathodic Protection	0	0	1,500	0%
33 FY24 Maintenance Emergency Repairs	0	0	50,000	0%
34 FY24 Fleet Paint Repairs	0	0	5,000	0%
35 Particle Counter Calibration	379	379	1,750	22%
36 EOC Emergency Backpack Supplies	0	1,449	1,750	83%
37 Collector 1 Conductor Replacement	0	0	89,750	0%
38 FY24 Power Pole/Line Inspection/Maintenance	0	0	43,500	0%
39 SBPS Roll-Up Door	0	0	33,000	0%
40 Service Vehicle Utility Box Lighting	1,814	1,814	1,750	104%
41 Park #1 Gazebo Roof Replacement	0	0	3,500	0%
42 Pipeline R-O-W Maintenance	0	0	20,000	0%
43 FY24 TRF Generator Maintenance	328	328	500	0%
44 FY24 TRF Limitorque Valve Retrofit Supplies	0	0	14,500	0%
45 TRF Valve Network Upgrade (Phase 2)	0	511	125,000	0%
46 FY24 Brush Abatement Ruth Hydro	0	0	21,000	0%
47 FY24 LTO Insurance	0	0	5,000	0%
48 FY24 Spillway Repairs	0	352	10,000	4%
49 FY24 Howell Bungler Valve Inspection	0	0	1,000	0%
20 FY24 Log Boom Inspection	123	123	1,500	8%
51 Ruth Hydro Synchronizer Testing	0	0	21,000	0%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
PROJECT PROGRESS REPORT - PAGE 3 OF 5
October 31, 2023

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**C. MAINTENANCE PROJECTS (con't)**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
52 Replace Headquarters Garage Doors	0	0	6,750	0%
53 FY24 Eureka Office Generator Service	0	0	500	0%
TOTAL MAINTENANCE PROJECTS	7,233	37,391	538,500	7%

D. PROFESSIONAL & CONSULTING SERVICES

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
53 Prof. Services for New Capital Debt	0	0	0	0
54 FY24 Crane Testing/Certification	0	0	10,000	0%
55 FY24 Chlorine System Maintenance	0	0	6,750	0%
56 FY24 Hydro Plant Annual Elect/Maint Inspection	0	172	4,000	4%
57 FY23 Hydro Plant Annual Elec. Maint./Testing	0	0	5,000	0%
58 FY24 Essex Mad River Cross-Sectional Survey	0	0	12,000	0%
59 FY24 Technical Training	0	6,557	27,000	24%
60 FY24 O & M Training	0	0	20,000	0%
61 Backflow Tester Certification	426	426	5,750	7%
62 EAP Tabletop Planning	0	0	5,000	0%
63 CIP 10-yr Financial Revision and Project Review	0	0	15,000	0%
64 FY24 Public Education Funds	0	1,000	5,000	20%
65 FY24 Mad River Regulatory Compliance Assistance	0	0	50,000	0%
66 Spillway Bridge Inspection	0	0	7,500	0%
67 FY24 GHD Review/Report Mad River Cross-Sectional	0	0	5,000	0%
68 FY24 Grant Application Assistance	0	0	20,000	0%
69 Domestic Water for Nordic Aqua Farm	0	0	5,000	0%
70 Samoa Peninsula ROW EIR (GHD)	16,088	18,928	240,850	8%
71 Domestic Water System Cathodic Protection Updates	5,105	9,620	48,000	20%
72 Water Quality Moniotoring Plan Update	0	0	20,000	0%
73 Water Model Update/Peninsula Domestic Capacity Rvw	0	0	30,000	0%
74 Engineering Study-Replace 15-inch Peninsula Pipe	0	0	25,000	0%
75 Dam Crest Monument Survey (Vertical Cntrl Survey)	0	0	20,000	0%
76 GHD - Dam Vertical Control Survey Analysis	0	0	5,000	0%
77 FY24 Dam Spillway Wall Monument Survey	0	0	17,500	0%
78 GHD - Dam Spillway Wall Monument Survey Analysis	0	0	6,500	0%
79 Dam Left Abutment Slide Monitoring Survey	0	0	10,000	0%
80 GHD - Dam Left Abutment Slide Monitoring Survey	0	0	3,000	0%
81 FY24 FERC DSSMR Assistance (GHD)	0	0	5,000	0%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
PROJECT PROGRESS REPORT - PAGE 4 OF 5
October 31, 2023

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**D. PROFESSIONAL & CONSULTING SERVICES (CONT)**

	MTD	YTD		% OF
	EXPENSES	TOTAL	BUDGET	BUDGET
82 FY24 Spillway Repair, Dam Inspection/Reporting Assistance	0	787	5,000	16%
83 FY24 FERC Chief Dam Safety Engineer	0	1,382	12,000	12%
TOTAL PROF/CONSULTING SERVICES	21,618	38,870	650,850	6%

E. INDUSTRIAL SYSTEM PROJECTS

84 Refurbish PS-6 (Phase 1)	0	0	0	0
85 2 Pumps/Motors/VFD's for Pump Station 6	0	0	0	0
86 Maintain Water to PS6 During Low-Flow Months	0	0	13,250	0%
87 Industrial System Assistance	0	0	0	0
88 Crossover Vault Modifications	0	0	0	0
89 Pump Station 6 Gravel Bar Work and Permitting	0	0	0	0
TOTAL INDUSTRIAL SYSTEM PROJECTS	0	0	13,250	0%

F. CARRY-OVER PROJECTS FROM PRIOR YEAR

TOTAL CARRYOVER PROJECTS	0	0	0	0%
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G. ADVANCED CHARGES & DEBIT SERVICE FUNDS COLLECTED

	MTD	YTD	BUDGET	% BUDGET
90 On-Site Generation of Chlorine <i>(\$1.3M - FY23/24 Treatment Facility Project)</i>	10,996	43,983	131,950	33%
91 Prof. Services for New Capital Debt	13,517	54,067	162,200	33%
92 Storage Barn for Ruth Headquarters	7,500	30,000	90,000	33%
TOTAL ADVANCED CHARGES COLLECTED	32,013	128,050	384,150	33%

H. PROJECTS NOT CHARGED TO MUNICIPAL CUSTOMERS

	MTD	YTD	BUDGET	% OF
	EXPENSES	TOTAL	BUDGET	BUDGET
93 On-Site Generation of Chlorine <i>(\$1.2M - FY23, Treatment Facility Project)</i>	3,114	539,394	1,212,499	44%
94 Humboldt Bay Radio Read Meters <i>(Capital Replacement Funds)</i>	0	0	9,500	0%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
PROJECT PROGRESS REPORT - PAGE 5 OF 5

33% Of Budget Year



October 31, 2023

H. PROJECTS NOT CHARGED TO MUNICIPAL CUSTOMERS (con't)

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
92 Ruth Paving and Repairs <i>(Non-FEMA August Complex Wildfire Funds Collected)</i>	0	0	0	0
96 Domestic Water System Cathodic Protection <i>(Collected Advance Charges)</i>	0	0	0	0
97 Streambed Flow Enhancement Grant <i>(DWR Grant)</i>	2,755	11,146	457,755	2%
98 Clean-Out Industrial Water Tank <i>(ReMat Reserves)</i>	0	0	0	0
99 North Mainline Extension Study	0	0	10,000	0%
100 BL Rancheria Water	0	1,992	0	0
101 CalFire Healthy Forest Grant <i>(CalFire Grant)</i>	0	5,481	5,000,000	0%
102 CalFire Fuels Reduction Program <i>(CalFire Funding)</i>	0	0	500,000	0%
¹⁰² _A Quagga Grant Projects (Ruth Lake)	0	19,123	0	0%
TOTAL NOT CHARGED TO CUSTOMERS	5,869	577,137	7,189,754	8%

PROJECT PROGRESS REPORT SUMMARY OF ALL ACTIVITY

CUSTOMER CHARGES	MTD	YTD	BUDGET	% BUDGET
TOTAL NON-GRANT FUNDED CAPITAL PROJECTS	0	413	181,000	0%
<i>Treatment Facility Portion</i>	<i>0</i>	<i>0</i>	<i>0</i>	
TOTAL EQUIPMENT & FIXED ASSET PROJECTS	28,972	38,450	325,250	12%
<i>Treatment Facility Portion</i>	<i>25,741</i>	<i>26,439</i>	<i>67,000</i>	
TOTAL MAINTENANCE PROJECTS	7,233	37,391	538,500	7%
<i>Treatment Facility Portion</i>	<i>328</i>	<i>839</i>	<i>140,000</i>	
TOTAL PROF/CONSULTING SERVICES	21,618	38,870	650,850	6%
<i>Treatment Facility Portion</i>	<i>0</i>	<i>0</i>	<i>0</i>	
TOTAL INDUSTRIAL SYSTEM PROJECTS	0	0	13,250	0%
TOTAL CARRYOVER PROJECTS	0	0	0	0
<i>Treatment Facility Portion</i>	<i>0</i>	<i>0</i>	<i>0</i>	
TOTAL ADVANCED CHARGES/DEBIT SERVICE	32,013	128,050	384,150	33%
<i>Treatment Facility Portion</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	
TOTAL CUSTOMER CHARGES	\$89,836	\$243,175	\$2,093,000	12%
NON-CUSTOMER CHARGES (CURRENT FY)	MTD	YTD	BUDGET	% BUDGET
TOTAL GRANT FUNDED CAPITAL PROJECTS	653,960	2,037,511	13,900,000	15%
TOTAL NON-CUSTOMER CHARGES	5,869	577,137	7,189,754	8%
TOTAL USE OF ENCUMBERED FUNDS	9,382	92,793	800,898	12%
TOTAL NON-CUSTOMER CHARGES	\$669,210	\$2,707,440	\$21,890,652	12%
GRAND TOTAL PROJECT BUDGET ACTIVITY	\$759,047	\$2,950,615	\$23,983,652	12%



HUMBOLDT BAY MUNICIPAL WATER DISTRICT
ENCUMBERED FUNDS RECONCILIATION REPORT
October 31, 2023

	MTD	YTD	AMOUNT	
	EXPENSES	TOTAL	ENCUMBERED	REMAINING
A. CAPITAL PROJECTS				
1E Fiber Optic Link - Collector 2 - Phase 1	259	677	28,500	27,823
2E Power and Fiber Optic Link-Collector 2 - Phase 2	89	2,641	44,000	41,359
3E Underground Power to Collector 2 - Phase 3	1,421	13,979	207,084	193,105
4E Retaining Wall for Valve Access	0	0	70,000	70,000
B. EQUIPMENT & FIXED ASSET PROJECTS				
5E Essex Stand Alone Security and Fire Monitoring	0	1,554	1,750	196
6E Electrical Shop Offices	468	6,380	19,937	13,557
7E Hydro Plant Neutral Overvoltage Relay	0	0	8,956	8,956
8E Hydro Plant Wicket Gate & HBV Signal Upgrade	7,145	7,145	8,500	1,355
C. MAINTENANCE PROJECTS				
9E FY23 Main Line Meter Flow Calibration	0	124	24,803	24,679
10E Truesdale to Samoa Booster Station Telemetry Radio	0	460	3,209	2,749
11E Line Shed Alarm Upgrades	0	0	6,500	6,500
D. PROFESSIONAL & CONSULTING SERVICES				
24E Above Ground 10,000 Gallon Fuel Tank Testing	0	0	5,400	5,400
25E Salary Survey	0	0	25,000	25,000
26E Engineering Study-Replace 15-inch Peninsula Pipe	0	0	4,702	4,702
27E Samoa Peninsula Coastal Development Permit	0	7,469	26,465	18,996
28E Samoa Peninsula ROW EIR (GHD)	0	32,932	32,932	0
29E Transformer at Hydro Plant	0	8,524	19,779	11,255
30E Upgrade Microsoft Office - Essex	0	15	900	885
31E 404 Permit Assistance	0	0	24,196	24,196
32E Lease Lots Surveys	0	0	22,618	22,618
33E GIS / FIS Ruth Area, Including Internship	0	0	5,000	5,000
34E GIS Project at Ruth Lake (USFS)	0	0	7,500	7,500
35E Collector Arc Flash Study Update and Breaker Testi	0	9,816	9,760	(56)
36E CAISO Meter Inspection Calibration	0	0	4,000	4,000
37E Technical Dam/Spillway Support*	0	1,076	189,407	188,331

*This total comprised of projects #23-51-0033, 23-58-0115, 23-58-0116, 23-56-0122, 23-58-9123, 22-58-0121

ENCUMBERED FUNDS TOTAL	9,382	92,793	800,898	708,105
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Humboldt Bay Municipal Water District

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Vendor Name	Date Paid	Description	Amount Paid
101 NETLINK			
101 NETLINK	10/03/2023	<i>Ruth Data Link/Internet</i>	190.00
Total 101 NETLINK:			190.00
ACWA Foundation			
ACWA Foundation	10/13/2023	<i>2024 Annual Dues</i>	20,595.00
Total ACWA Foundation:			20,595.00
ACWA/JPIA			
ACWA/JPIA	10/20/2023	<i>RETIREE MEDICAL</i>	9,112.27
ACWA/JPIA	10/05/2023	<i>Workers Compensation July-Sept 2023</i>	27,351.12
ACWA/JPIA	10/30/2023	<i>Auto and General Liability Program 10.23 - 10.24</i>	19,781.50
ACWA/JPIA	10/30/2023	<i>Auto and General Liability Program 10.23 - 10.24</i>	2,276.46
ACWA/JPIA	10/30/2023	<i>Auto and General Liability Program 10.23 - 10.24</i>	57,068.04
Total ACWA/JPIA:			115,589.39
Advanced Display & Signs			
Advanced Display & Signs	10/20/2023	<i>Ruth Dam Signage</i>	398.25
Total Advanced Display & Signs:			398.25
Advanced Security Systems			
Advanced Security Systems	10/30/2023	<i>Essex Quarterly Alarm Billing</i>	423.00
Total Advanced Security Systems:			423.00
AirGas NCN			
AirGas NCN	10/20/2023	<i>Safety Gloves</i>	18.07
AirGas NCN	10/30/2023	<i>Saline bag refills for eyewash stations</i>	490.59
AirGas NCN	10/30/2023	<i>Safety PPE for inventory</i>	54.16
Total AirGas NCN:			562.82
Almquist Lumber			
Almquist Lumber	10/20/2023	<i>Paint for Electrical Shop Offices</i>	189.96
Total Almquist Lumber:			189.96
AT & T			
AT & T	10/18/2023	<i>Eureka Office Long Distance</i>	7.71
AT & T	10/18/2023	<i>Ruth HQ Long Distance</i>	9.64
AT & T	10/20/2023	<i>Eureka/Essex Landline</i>	31.43
AT & T	10/20/2023	<i>Arcata/Essex Landline</i>	31.43
AT & T	10/20/2023	<i>Eureka Office/Alarm</i>	58.31
AT & T	10/20/2023	<i>TRF</i>	28.38
AT & T	10/20/2023	<i>Essex office/Modem/Control Alarm System</i>	28.38
Total AT & T:			195.28
ATS Communications			
ATS Communications	10/20/2023	<i>IT Support for Essex Admin Computers</i>	1,430.00
ATS Communications	10/20/2023	<i>IT Support for Essex Admin Computers</i>	1,430.00
ATS Communications	10/20/2023	<i>IT Support</i>	56.89
ATS Communications	10/20/2023	<i>PBX Vertical Wave Support</i>	1,464.59

Humboldt Bay Municipal Water District

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Vendor Name	Date Paid	Description	Amount Paid
ATS Communications	10/20/2023	<i>IT Support for Essex Admin Computers</i>	1,430.00
Total ATS Communications:			5,811.48
Blue Star Gas - Sequoia Gas Co.			
Blue Star Gas - Sequoia Gas Co.	10/30/2023	<i>IW Backup Generator Fuel</i>	100.25
Blue Star Gas - Sequoia Gas Co.	10/30/2023	<i>IW Backup Generator Fuel</i>	98.06
Blue Star Gas - Sequoia Gas Co.	10/30/2023	<i>IW Backup Generator Fuel</i>	100.25
Blue Star Gas - Sequoia Gas Co.	10/30/2023	<i>IW Backup Generator Fuel</i>	2.97
Total Blue Star Gas - Sequoia Gas Co.:			301.53
Citi Cards			
Citi Cards	10/30/2023	<i>Eureka office supplies</i>	19.65
Total Citi Cards:			19.65
City of Eureka			
City of Eureka	10/13/2023	<i>Eureka office water/sewer</i>	144.87
Total City of Eureka:			144.87
Coastal Business Systems Inc.			
Coastal Business Systems Inc.	10/30/2023	<i>Eureka office copy and fax machine</i>	750.17
Coastal Business Systems Inc.	10/30/2023	<i>Essex copy/fax machine</i>	268.25
Total Coastal Business Systems Inc.:			1,018.42
Contessa Dickson			
Contessa Dickson	10/30/2023	<i>Per Diem, Mileage, Hotel for Board Secretary Conference 11/5 -</i>	1,728.05
Total Contessa Dickson:			1,728.05
Corey Borghino			
Corey Borghino	10/03/2023	<i>Hotel & Per Diem for travel to Caselle Conference in Utah 10/9-</i>	978.37
Total Corey Borghino:			978.37
Cummins Pacific LLC			
Cummins Pacific LLC	10/30/2023	<i>TRF Generator Service</i>	327.68
Total Cummins Pacific LLC:			327.68
Darcey Quinn			
Darcey Quinn	10/03/2023	<i>Hotel & Per Diem for travel to Caselle Conference in Utah 10/9-</i>	978.37
Total Darcey Quinn:			978.37
Downey Brand Attorneys LLP			
Downey Brand Attorneys LLP	10/30/2023	<i>Legal Fees Sept 2023 - Instream Flow Investigation</i>	270.00
Total Downey Brand Attorneys LLP:			270.00
Eureka Chrysler Dodge Jeep			
Eureka Chrysler Dodge Jeep	10/20/2023	<i>Labor charge for Unit 7 eco-diesel engine replacement</i>	2,540.14

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Vendor Name	Date Paid	Description	Amount Paid
Total Eureka Chrysler Dodge Jeep:			2,540.14
Eureka Oxygen			
Eureka Oxygen	10/30/2023	<i>cylinder rental</i>	1.97
Eureka Oxygen	10/30/2023	<i>cylinder rental</i>	131.00
Eureka Oxygen	10/30/2023	<i>cylinder rental</i>	127.00
Total Eureka Oxygen:			259.97
Eureka Readymix			
Eureka Readymix	10/30/2023	<i>Sand for TRF sludge beds</i>	316.53
Eureka Readymix	10/30/2023	<i>Sludge bed maintenance</i>	319.11
Total Eureka Readymix:			635.64
Eureka-Humboldt Fire Ext.,Co, Inc			
Eureka-Humboldt Fire Ext.,Co, Inc	10/03/2023	<i>Ruth Hydro Fire Extinguisher maintenance</i>	228.92
Eureka-Humboldt Fire Ext.,Co, Inc	10/03/2023	<i>Ruth Hydro Fire Extinguisher maintenance</i>	200.43
Total Eureka-Humboldt Fire Ext.,Co, Inc:			429.35
FEDEX			
FEDEX	10/20/2023	<i>Ship annual flow testing of SCBA #1</i>	25.76
FEDEX	10/30/2023	<i>Ship annual flow testing of SCBA #2</i>	27.06
Total FEDEX:			52.82
Flo-Line Technology, Inc			
Flo-Line Technology, Inc	10/18/2023	<i>Wash Water Return Pump for Inventory</i>	18,182.12
Flo-Line Technology, Inc	10/18/2023	<i>TRF Spare Process Pumps</i>	1,317.14
Total Flo-Line Technology, Inc:			19,499.26
Franchise Tax Board			
Franchise Tax Board	10/05/2023		65.00
Franchise Tax Board	10/20/2023		65.00
Total Franchise Tax Board:			130.00
Frontier Communications			
Frontier Communications	10/30/2023	<i>Ruth HQ</i>	59.25
Frontier Communications	10/30/2023	<i>Ruth Hydro/Ruth Dataline</i>	235.88
Total Frontier Communications:			295.13
GEI Consultants, Inc			
GEI Consultants, Inc	10/24/2023	<i>Main Line Resiliency Project 23-0799</i>	7,032.25
Total GEI Consultants, Inc:			7,032.25
GHD			
GHD	10/03/2023	<i>General Engineering</i>	1,215.64
GHD	10/03/2023	<i>General Engineering - FEMA Grant - Power Loss</i>	758.88
GHD	10/03/2023	<i>General Engineering - TRF Generator Grant</i>	252.89
GHD	10/30/2023	<i>Collector 2 Rehabilitation Project</i>	12,374.41
GHD	10/30/2023	<i>Cathodic Protection #24-0027</i>	5,104.88

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Vendor Name	Date Paid	Description	Amount Paid
GHD	10/30/2023	General Engineering	1,510.90
GHD	10/30/2023	General Engineering - Collector 2 Undergrounding Project	258.88
GHD	10/30/2023	General Engineering - Ruth	97.26
GHD	10/30/2023	General Engineering - TRF Generator Grant	194.50
GHD	10/30/2023	Samoa Peninsula ROW EIR #23-0625	16,087.61
GHD	10/30/2023	OSHG Installation and Integration Design #23-0091	3,113.63
Total GHD:			40,969.48
H.T. Harvey & Associates			
H.T. Harvey & Associates	10/24/2023	Mad River Instream Flow Dedication	1,846.00
H.T. Harvey & Associates	10/24/2023	Mad River Instream Flow Dedication	639.00
Total H.T. Harvey & Associates:			2,485.00
Harbor Freight Tools			
Harbor Freight Tools	10/30/2023	Portable light weight folding sawhorse for shop	54.22
Harbor Freight Tools	10/30/2023	1 yr replacement warranty	9.98
Total Harbor Freight Tools:			64.20
Harper Motors			
Harper Motors	10/30/2023	Old Unit 6 repairs	65.85
Harper Motors	10/30/2023	Old Unit 6 repairs	111.37
Total Harper Motors:			177.22
Health Equity Inc			
Health Equity Inc	10/13/2023	HSA Admin Fee Oct 2023 - 6 employees	17.70
Health Equity Inc	10/13/2023	HSA Admin Fee Oct 2023 14 employees	41.30
Total Health Equity Inc:			59.00
Hensel Hardware			
Hensel Hardware	10/03/2023	Essex shop supplies	83.37
Hensel Hardware	10/30/2023	Asphalt sealer for TRF containment area	26.03
Hensel Hardware	10/30/2023	Materials for Collector 2 ladder installation	49.89
Hensel Hardware	10/30/2023	Door deadlatch	3.90
Total Hensel Hardware:			163.19
Humboldt County Treasurer			
Humboldt County Treasurer	10/24/2023	Fund No 3876 Account 800870	45,611.43
Total Humboldt County Treasurer:			45,611.43
Humboldt Fence Company			
Humboldt Fence Company	10/30/2023	Fence Repairs from Collector 2 rehab project	810.39
Total Humboldt Fence Company:			810.39
Humboldt Redwood Company, LLC			
Humboldt Redwood Company, LLC	10/13/2023	Mt Pierce Lease site	320.59
Total Humboldt Redwood Company, LLC:			320.59

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Vendor Name	Date Paid	Description	Amount Paid
Humboldt Waste Management Authority			
Humboldt Waste Management Authority	10/30/2023	dump fee to dispose of old recycling shed	122.30
Total Humboldt Waste Management Authority:			122.30
Industrial Electric			
Industrial Electric	10/30/2023	Collector #2 Power and Fiber Materials	48.75
Industrial Electric	10/03/2023	Collector #2 Power and Fiber Materials	40.62
Total Industrial Electric:			89.37
Johnson's Mobile Rentals LLC			
Johnson's Mobile Rentals LLC	10/30/2023	Temporary fencing for Tesla Battery Project	232.74
Total Johnson's Mobile Rentals LLC:			232.74
Keenan Supply			
Keenan Supply	10/30/2023	Ball valve for TRF hot water heater	14.95
Keenan Supply	10/30/2023	Meter Gaskets for Unit #3	6.27
Total Keenan Supply:			21.22
Kernen Construction			
Kernen Construction	10/30/2023	Asphalt repairs to Essex entrance and around new vaults in Park	904.39
Kernen Construction	10/30/2023	Dump fee for sludge bed material	188.50
Total Kernen Construction:			1,092.89
Layne Christensen Company			
Layne Christensen Company	10/03/2023	Collector 2 Rehab work - Aug 30 - Sept 29, 2023	571,733.75
Total Layne Christensen Company:			571,733.75
Mario Palmero			
Mario Palmero	10/30/2023	Per Diem for Backflow Training 11/12 - 11/17/23	425.50
Total Mario Palmero:			425.50
McMaster-Carr Supply			
McMaster-Carr Supply	10/30/2023	Moisture-Eliminating Breather Vent	196.17
Total McMaster-Carr Supply:			196.17
Mendes Supply Company			
Mendes Supply Company	10/30/2023	Essex Supplies	82.94
Total Mendes Supply Company:			82.94
Mission Linen			
Mission Linen	10/03/2023	Uniform Rental	139.42
Mission Linen	10/03/2023	maintenance supplies	11.28
Mission Linen	10/03/2023	Uniform Rental	110.52
Mission Linen	10/03/2023	Uniform Rental	139.42
Mission Linen	10/03/2023	maintenance supplies	16.06
Mission Linen	10/03/2023	Uniform Rental	110.52
Mission Linen	10/03/2023	maintenance supplies	11.28

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Vendor Name	Date Paid	Description	Amount Paid
Total Mission Linen:			538.50
Napa Auto Parts			
Napa Auto Parts	10/30/2023	Unit 12 calipers	306.47
Napa Auto Parts	10/30/2023	Unit 12 calipers	119.35-
Napa Auto Parts	10/30/2023	Fleet service supplies	11.92
Napa Auto Parts	10/30/2023	Unit 8 Batteries	544.48
Napa Auto Parts	10/30/2023	Chain lube for crane cable	27.63
Total Napa Auto Parts:			771.15
North Coast Laboratories			
North Coast Laboratories	10/13/2023	lab tests - Fieldbrook-Glendale CSD	110.00
North Coast Laboratories	10/13/2023	lab tests - Humboldt Bay Retail	305.00
North Coast Laboratories	10/13/2023	lab tests - Humboldt Bay Retail	110.00
North Coast Laboratories	10/13/2023	lab tests - Fieldbrook-Glendale CSD	110.00
North Coast Laboratories	10/13/2023	lab tests - Humboldt Bay Retail	55.00
North Coast Laboratories	10/13/2023	lab tests - Fieldbrook-Glendale CSD	55.00
North Coast Laboratories	10/13/2023	lab tests - Fieldbrook-Glendale CSD	110.00
North Coast Laboratories	10/13/2023	lab tests - Humboldt Bay Retail	110.00
North Coast Laboratories	10/13/2023	lab tests - Humboldt Bay Retail	55.00
North Coast Laboratories	10/13/2023	lab tests - Humboldt Bay Retail	55.00
North Coast Laboratories	10/13/2023	lab tests - Fieldbrook-Glendale CSD	75.00
Total North Coast Laboratories:			1,150.00
Northern California Safety Consortium			
Northern California Safety Consortium	10/30/2023	monthly membership fee - October 2023	75.00
Total Northern California Safety Consortium:			75.00
Occu-Med, Ltd			
Occu-Med, Ltd	10/18/2023	Pre-employment physical - Accounting Tech I	320.82
Total Occu-Med, Ltd:			320.82
O'Connor & Company			
O'Connor & Company	10/03/2023	Analyze equity difference	200.00
Total O'Connor & Company:			200.00
Optimum/Sudden Link			
Optimum/Sudden Link	10/05/2023	Essex internet	251.56
Optimum/Sudden Link	10/05/2023	Essex Phones	53.85
Optimum/Sudden Link	10/05/2023	Eureka Internet	209.45
Optimum/Sudden Link	10/05/2023	Fieldbrook-Glendale CSD Internet	333.33
Optimum/Sudden Link	10/04/2023	TRF Internet	29.93
Optimum/Sudden Link	10/04/2023	TRF Internet - Blue Lake SCADA Monitoring	59.84
Optimum/Sudden Link	10/04/2023	TRF Internet - Fieldbrook-Glendale CSD	59.84
Total Optimum/Sudden Link:			997.80
PACE Engineering, Inc.			
PACE Engineering, Inc.	10/13/2023	TRF Generator Project	28,866.48
PACE Engineering, Inc.	10/13/2023	TRF Generator Project	25,751.66
PACE Engineering, Inc.	10/13/2023	TRF Generator Project	6,815.75

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Vendor Name	Date Paid	Description	Amount Paid
Total PACE Engineering, Inc.:			61,433.89
Pacific Gas & Electric Co.			
Pacific Gas & Electric Co.	10/05/2023	Eureka Office	60.84
Pacific Gas & Electric Co.	10/05/2023	Jackson Ranch Rectifier	18.97-
Pacific Gas & Electric Co.	10/05/2023	HWY 299 Rectifier	7.36
Pacific Gas & Electric Co.	10/05/2023	West End Road Rectifier	146.41
Pacific Gas & Electric Co.	10/05/2023	TRF	3,978.83
Pacific Gas & Electric Co.	10/05/2023	Ruth Hydro Valve Control	10.47-
Pacific Gas & Electric Co.	10/05/2023	Ruth Hydro	12.76
Pacific Gas & Electric Co.	10/05/2023	Samoa Booster Pump Station	1,258.85
Pacific Gas & Electric Co.	10/05/2023	Samoa Dial Station	28.54-
Pacific Gas & Electric Co.	10/30/2023	Ruth Bunkhouse	8.95
Pacific Gas & Electric Co.	10/30/2023	Ruth HQ	88.90
Total Pacific Gas & Electric Co.:			5,504.92
Peterson Tractor Co.			
Peterson Tractor Co.	10/30/2023	Contract #24-0413 Troubleshoot Cat 322	1,420.44
Total Peterson Tractor Co.:			1,420.44
Pierson Building Center			
Pierson Building Center	10/30/2023	Electrical Office Project	108.12
Total Pierson Building Center:			108.12
Purchase Power			
Purchase Power	10/13/2023	Postage Refill	604.50
Total Purchase Power:			604.50
Recology Arcata			
Recology Arcata	10/13/2023	Essex Garbage/Recycling Service - Sept 2023	777.72
Total Recology Arcata:			777.72
Recology Humboldt County			
Recology Humboldt County	10/13/2023	Eureka office garbage/recycling service - Sept 2023	105.52
Total Recology Humboldt County:			105.52
Rogers Machinery Company, Inc			
Rogers Machinery Company, Inc	10/30/2023	spare rapid mix pump for TRF	6,008.75
Total Rogers Machinery Company, Inc:			6,008.75
Security Lock & Alarm			
Security Lock & Alarm	10/03/2023	Remove broken key at TRF	80.00
Total Security Lock & Alarm:			80.00
Streamline			
Streamline	10/20/2023	Website maintenance membership fee 2/1-3/1/23	450.00

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Vendor Name	Date Paid	Description	Amount Paid
Total Streamline:			450.00
Thatcher Company, Inc			
Thatcher Company, Inc	10/30/2023	Thatcher Credit Balance	2,185.00-
Thatcher Company, Inc	10/30/2023	Chlorine - 3 CYL	12,599.64
Thatcher Company, Inc	10/30/2023	Chlorine - 1 CYL	4,461.13
Thatcher Company, Inc	10/30/2023	TRF chemicals	13,453.26
Thatcher Company, Inc	10/30/2023	Chlorine - 1 CYL	4,517.33
Thatcher Company, Inc	10/30/2023	deposit return - 3 CYL	3,000.00-
Thatcher Company, Inc	10/30/2023	deposit return - 1 CYL	1,000.00-
Thatcher Company, Inc	10/30/2023	deposit return - 1 CYL	1,000.00-
Thatcher Company, Inc	10/30/2023	Thatcher Credit Balance	5,877.34-
Total Thatcher Company, Inc:			21,969.02
The Mill Yard			
The Mill Yard	10/03/2023	Electrical Shop Offices Project	48.58
The Mill Yard	10/30/2023	Electrical Shop Offices Project	30.61
The Mill Yard	10/30/2023	Park 1 fencing repairs from collector 2 rehab	77.99
The Mill Yard	10/30/2023	Electrical Shop Offices Project	90.59
Total The Mill Yard:			247.77
The Mitchell Law Firm, LLP			
The Mitchell Law Firm, LLP	10/05/2023	Legal Services- Sept 2023	868.00
Total The Mitchell Law Firm, LLP:			868.00
Thomas Home Center			
Thomas Home Center	10/30/2023	Flooring scraper	29.08
Total Thomas Home Center:			29.08
Thrifty Supply			
Thrifty Supply	10/30/2023	Repair clamp for inventory	617.26
Thrifty Supply	10/30/2023	Plumbing Supplies	127.81
Thrifty Supply	10/30/2023	Plumbing Supplies	292.02
Thrifty Supply	10/30/2023	Plumbing Supplies	3.02
Thrifty Supply	10/30/2023	Plumbing Supplies	49.71
Thrifty Supply	10/30/2023	Toilet for Eureka Office	300.63
Thrifty Supply	10/30/2023	Toilet seat return	63.47-
Total Thrifty Supply:			1,326.98
Trinity County General Services			
Trinity County General Services	10/24/2023	Pickett Peak site lease	257.50
Total Trinity County General Services:			257.50
Trinity County Solid Waste			
Trinity County Solid Waste	10/18/2023	Ruth HQ dump fees	6.75
Trinity County Solid Waste	10/18/2023	Ruth Hydro dump fees	6.75
Total Trinity County Solid Waste:			13.50

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Vendor Name	Date Paid	Description	Amount Paid
U.S. Bank Corporate Payment System			
U.S. Bank Corporate Payment System	10/18/2023	Eureka Office Supplies	41.31
U.S. Bank Corporate Payment System	10/18/2023	Eureka Office Supplies	19.17-
U.S. Bank Corporate Payment System	10/18/2023	Eureka Office Supplies	5.01-
U.S. Bank Corporate Payment System	10/18/2023	Reverse Job Posting - charged in error	375.00-
U.S. Bank Corporate Payment System	10/18/2023	Webinar Training: Meeting Minutes and Role of the Clerk	67.00
U.S. Bank Corporate Payment System	10/18/2023	RLCSD/HBMWD Joint Board Meeting Lunch	609.96
U.S. Bank Corporate Payment System	10/18/2023	Shipping container for particle counters calibration	379.23
U.S. Bank Corporate Payment System	10/18/2023	Hydro Plant Wicket Gate & HBV Signal Upgrade	1,224.75
U.S. Bank Corporate Payment System	10/18/2023	Essex Office Supplies	169.03
U.S. Bank Corporate Payment System	10/18/2023	ADA compliant picnic tables for Ruth Bunkhouse	1,388.25
U.S. Bank Corporate Payment System	10/18/2023	Utility Box Light Project	693.53
U.S. Bank Corporate Payment System	10/18/2023	Essex office supplies	49.42
U.S. Bank Corporate Payment System	10/18/2023	Utility Light Box Project	1,120.08
U.S. Bank Corporate Payment System	10/18/2023	Tech Supplies	171.23
U.S. Bank Corporate Payment System	10/18/2023	Hydro Plant Wicket Gate & HBV Signal Upgrade	5,920.51
U.S. Bank Corporate Payment System	10/18/2023	Essex office supplies	196.05
U.S. Bank Corporate Payment System	10/18/2023	Essex office supplies	141.63
U.S. Bank Corporate Payment System	10/18/2023	Utility Billing Post Cards	89.70
U.S. Bank Corporate Payment System	10/18/2023	O & M Tech Job Posting	40.00
U.S. Bank Corporate Payment System	10/18/2023	HQ Remodel	256.64
U.S. Bank Corporate Payment System	10/18/2023	Ruth Office Supplies	50.23
U.S. Bank Corporate Payment System	10/18/2023	Gas for District Boat	85.00
U.S. Bank Corporate Payment System	10/18/2023	Build.com credit memo	94.51-
U.S. Bank Corporate Payment System	10/18/2023	Call-em-all Credits	45.00
U.S. Bank Corporate Payment System	10/18/2023	Eureka office supplies	52.49
U.S. Bank Corporate Payment System	10/18/2023	O & M Tech Job Posting	155.00
U.S. Bank Corporate Payment System	10/18/2023	O & M Tech Job Posting	60.00
U.S. Bank Corporate Payment System	10/18/2023	Utility Billing Post Cards	76.14
U.S. Bank Corporate Payment System	10/18/2023	Utility Billing Post Cards	195.77
U.S. Bank Corporate Payment System	10/18/2023	Ice deflectors for Ruth HQ roof	275.98
U.S. Bank Corporate Payment System	10/18/2023	Quick links for log boom secondary chains	37.92
U.S. Bank Corporate Payment System	10/18/2023	Essex office supplies	242.00
U.S. Bank Corporate Payment System	10/18/2023	Upgrade 2017 and 2020 TurboCad software	299.97
U.S. Bank Corporate Payment System	10/18/2023	O & M Tech Job Posting	60.00
U.S. Bank Corporate Payment System	10/18/2023	Spendwise - August 2023	79.70
Total U.S. Bank Corporate Payment System:			13,779.83
United Rentals, Inc			
United Rentals, Inc	10/30/2023	Underground power to collector 2 - phase 3	516.12
United Rentals, Inc	10/30/2023	Underground power to collector 2 - phase 3	130.38
United Rentals, Inc	10/30/2023	Underground power to collector 2 - phase 3	130.37-
Total United Rentals, Inc:			516.13
US Security Supply			
US Security Supply	10/30/2023	Padlocks	1,052.74
Total US Security Supply:			1,052.74
USDA Forest Service			
USDA Forest Service	10/30/2023	US Forest Service Special Use Permit	12,963.38
USDA Forest Service	10/30/2023	US Forest Service Special Use Permit	12,963.38
Total USDA Forest Service:			25,926.76

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--
Report dates: 10/1/2023-10/31/2023Page: 10
Oct 30, 2023 03:52PM

Vendor Name	Date Paid	Description	Amount Paid
VALEO Networks			
VALEO Networks	10/30/2023	<i>Eureka office monthly computer maintenance</i>	2,130.79
Total VALEO Networks:			2,130.79
Valley Pacific Petroleum Serv. Inc			
Valley Pacific Petroleum Serv. Inc	10/03/2023	<i>Cardlock Pumping & Control</i>	859.16
Valley Pacific Petroleum Serv. Inc	10/03/2023	<i>Cardlock Water Quality</i>	859.16
Valley Pacific Petroleum Serv. Inc	10/03/2023	<i>Cardlock Maintenance</i>	859.16
Valley Pacific Petroleum Serv. Inc	10/03/2023	<i>Cardlock HB Retail</i>	223.38
Valley Pacific Petroleum Serv. Inc	10/03/2023	<i>Cardlock FGCS</i>	635.78
Valley Pacific Petroleum Serv. Inc	10/30/2023	<i>Dyed Diesel Sales Tax Credit</i>	767.42
Valley Pacific Petroleum Serv. Inc	10/30/2023	<i>Fuel for Ruth HQ</i>	550.64
Valley Pacific Petroleum Serv. Inc	10/30/2023	<i>Fuel for Ruth HQ</i>	550.63
Total Valley Pacific Petroleum Serv. Inc:			3,770.49
Verizon Wireless			
Verizon Wireless	10/13/2023	<i>General Manager</i>	39.38
Verizon Wireless	10/13/2023	<i>Ruth Area</i>	27.55
Verizon Wireless	10/13/2023	<i>Humboldt Bay Retail</i>	17.17
Verizon Wireless	10/13/2023	<i>Fieldbrook Glendale CSD</i>	48.87
Verizon Wireless	10/13/2023	<i>Humboldt Bay IPAD</i>	9.88
Verizon Wireless	10/13/2023	<i>Fieldbrook Glendale CSD IPAD</i>	28.13
Verizon Wireless	10/13/2023	<i>Ruth Area</i>	14.06
Verizon Wireless	10/13/2023	<i>Ruth Hydro</i>	14.07
Total Verizon Wireless:			199.11
Watt's Cleaning Services			
Watt's Cleaning Services	10/03/2023	<i>Eureka office cleaning 9/13 & 9/27/23</i>	278.00
Total Watt's Cleaning Services:			278.00
Grand Totals:			998,166.89

SUPPLEMENTAL - FIELDBROOK-GLENDALE CSD CONTRACT SERVICES
 MONTHLY BILLING/EXPENSE REPORT
 October 31, 2023



	Month-to-Date	Year-to-Date
<i>Contract Services Billing</i>		
Administrative	1,194.64	4,778.56
Indirect/Overhead	946.53	3,786.12
Maintenance/Operations/Supplies	25,437.97	87,957.66
Total FB-GCSD Billing	27,579.14	96,522.34

<i>Contract Services Expenses</i>		
Employee Wages	13,933.85	44,160.73
Employee Benefits	6,279.28	20,995.98
Operations & Maintenance Expenses	635.78	2,300.42
General & Administrative Expenses	678.14	8,494.44
Total FB-GCSD Expenses	21,527.05	75,951.57

<i>NET Fieldbrook Contract Services</i>	6,052.09	20,570.77
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OPERATIONS

Memo to: HBMWD Board of Directors
From: Dale Davidsen, Superintendent
Date: November 1, 2023
Subject: Essex/Ruth October 2023 Operational Report

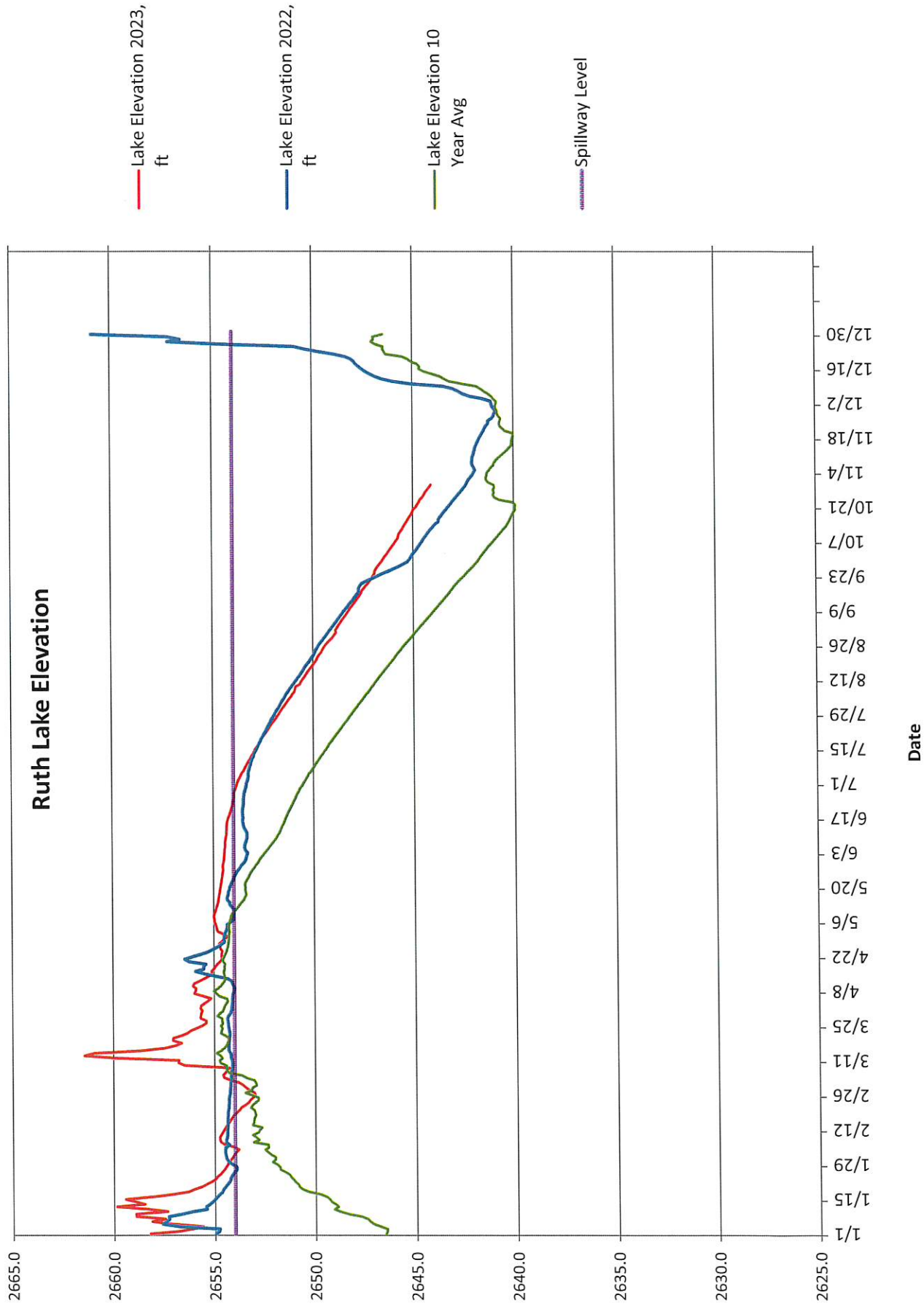
Upper Mad River, Ruth Lake, and Hydro Plant

1. Flow at Mad River above Ruth Reservoir (Zenia Bridge) averaged 5 cfs for the month with a high of 7 cfs on October 28th
2. The conditions at Ruth Lake for October were as follows:
The lake level on October 31st was 2644.12 feet which is:
 - 2.44 feet lower than September 30th, 2023
 - 1.74 feet higher than October 31st, 2022
 - 3.13 feet higher than the ten-year average
 - 9.88 feet below the spillway
3. Ruth Headquarters recorded 1.49 inches of rainfall for October
4. Ruth Hydro produced 0 KWh in October. There is an ongoing shut down due to PGE issue for the entire month with 148,800 KWh estimated lost production
5. The lake discharge averaged 42 cfs with a high of 42.4 cfs on October 2nd

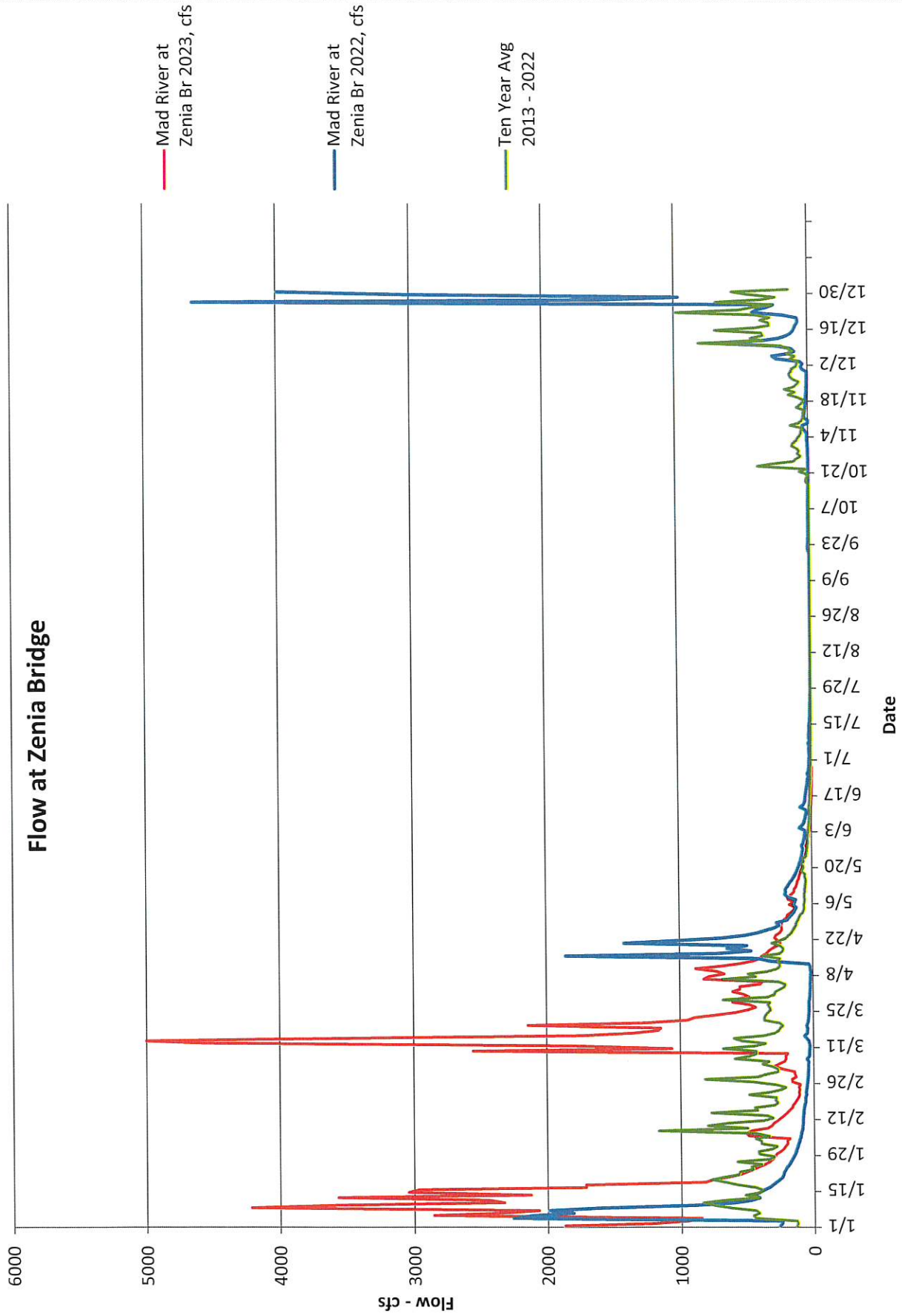
Lower Mad River, Winzler Control, and TRF

6. The river at Winzler Control Center, for October, had an average flow of 75 cfs. The river flow was at a high of 110 cfs on October 18th
7. The domestic water conditions were as follows:
 - a. The domestic water turbidity average was 0.07 NTU, which meets Public Health Secondary Standards
 - b. As of October 31st, we pumped 225.519 MG at an average of 7.275 MGD
 - c. The maximum metered daily municipal use was 8.417 MG on October 12th
8. The TRF is online since October 13th; conditions for October were as follows:
 - a. Average monthly source water turbidity was 0.88 NTU
 - b. Average monthly filtered water turbidity was 0.07 NTU
 - c. Number of filter backwashes for the month was 55
9. October 3rd-6th – Wahlund crew on-site pulling new conductors to Collector 2.
10. October 5th – Safety meetings
 - a. Bloodborne Pathogens
 - b. Rigging Safety

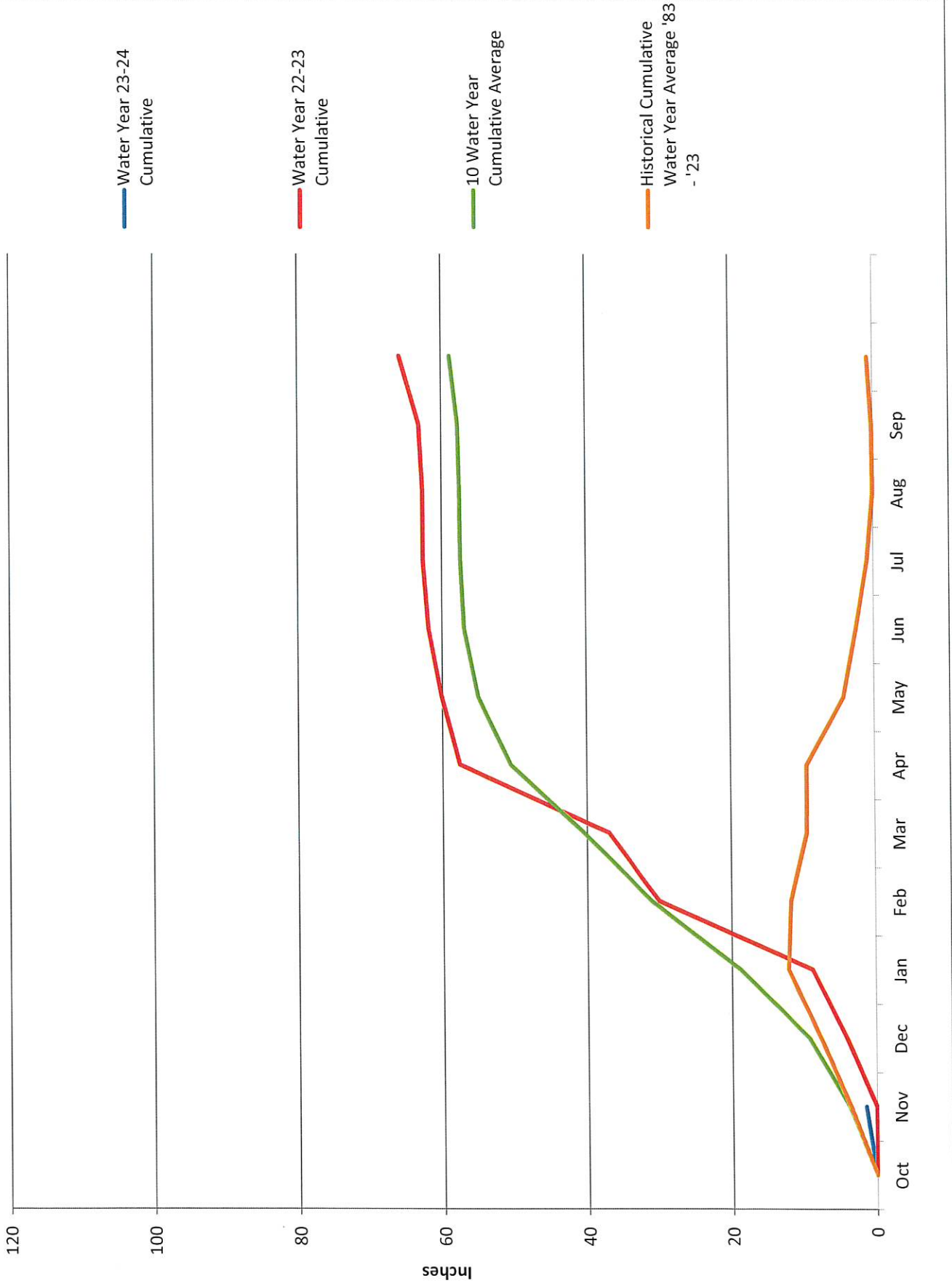
11. October 10th – Power issues at the Office. Turn out to be a bad connection at the PG&E transformer.
12. October 11th – Went to Ruth to do a bail test on Piezo Well 8
13. October 12th – TRF brought online
14. October 16th
 - a. Series of earthquakes in the early morning (4.1M - 4.9M) – Larry didn't feel them at Ruth but did extra precaution inspection at the dam.
 - b. Tesla on-site doing testing – didn't go really well.
15. October 17th – PACE teams meeting with Essex staff regarding generator communication requirements
16. October 18th – DWR tour of Collector 2 rehabilitation project site
17. October 20th
 - a. PG&E Teams Meeting Regarding hydro plant coming back online – Still estimated to be the end of November or Early December. Worst case February 2024.
 - b. Layne finish work on Collector 2. Starting de-mob and clean up.
18. October 23rd
 - a. New O&M Techs first day
 - b. Wahlund started pulling in new conductors at the Hydro plant
 - c. I stayed late helping Layne get a stuck Semi truck out of the park.
19. October 24th – Maintenance crew and Layne crane operator started installing pumps on Collector 2.
20. October 27th – Finished pump installations at 2200 – Test ran locally at the well
21. October 28th – Saturday
 - a. Found the pumps would not start via SCADA – Called in an E&I Tech to investigate - Repaired
 - b. Operations flushed collector 2 to the TRF Washwater basins
22. October 30th
 - a. Layne started post project flow testing
 - b. ACE (Aerial Crane Experts) on-site for annual crane inspections and certification.
23. Current and Ongoing Projects
 - a. Collector 2 underground power and communications project – Complete for now, waiting for surge arrestors.
 - b. Tesla battery bank projects
 - i. Essex project in progress, operational programming in process, doing more testing soon, waiting for PG&E PTO.
 - c. OSHG – Equipment procurement and planning in progress. Brine tank should be shipped soon.
 - d. Routine annual equipment maintenance and services.

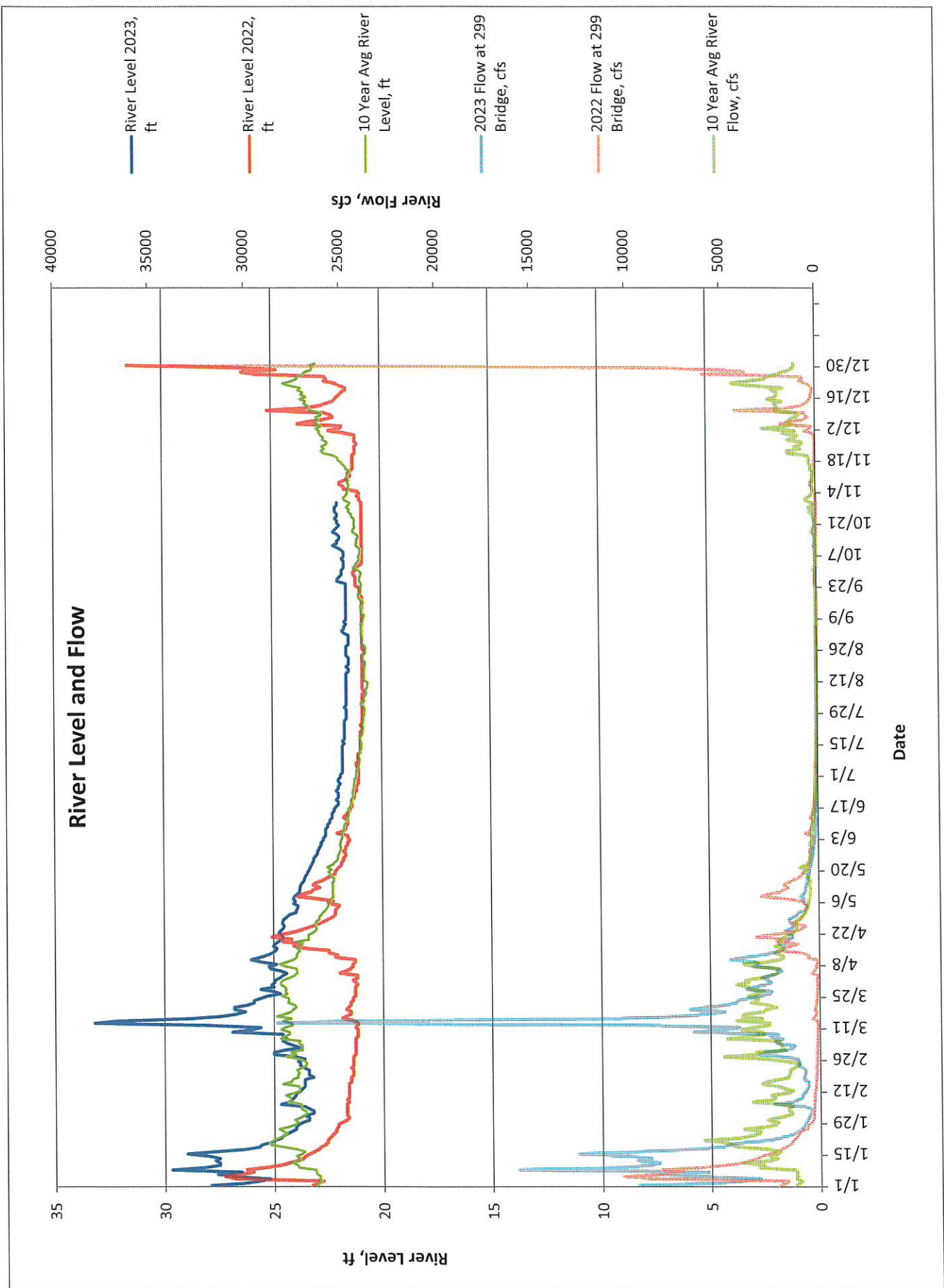


Flow at Zenia Bridge

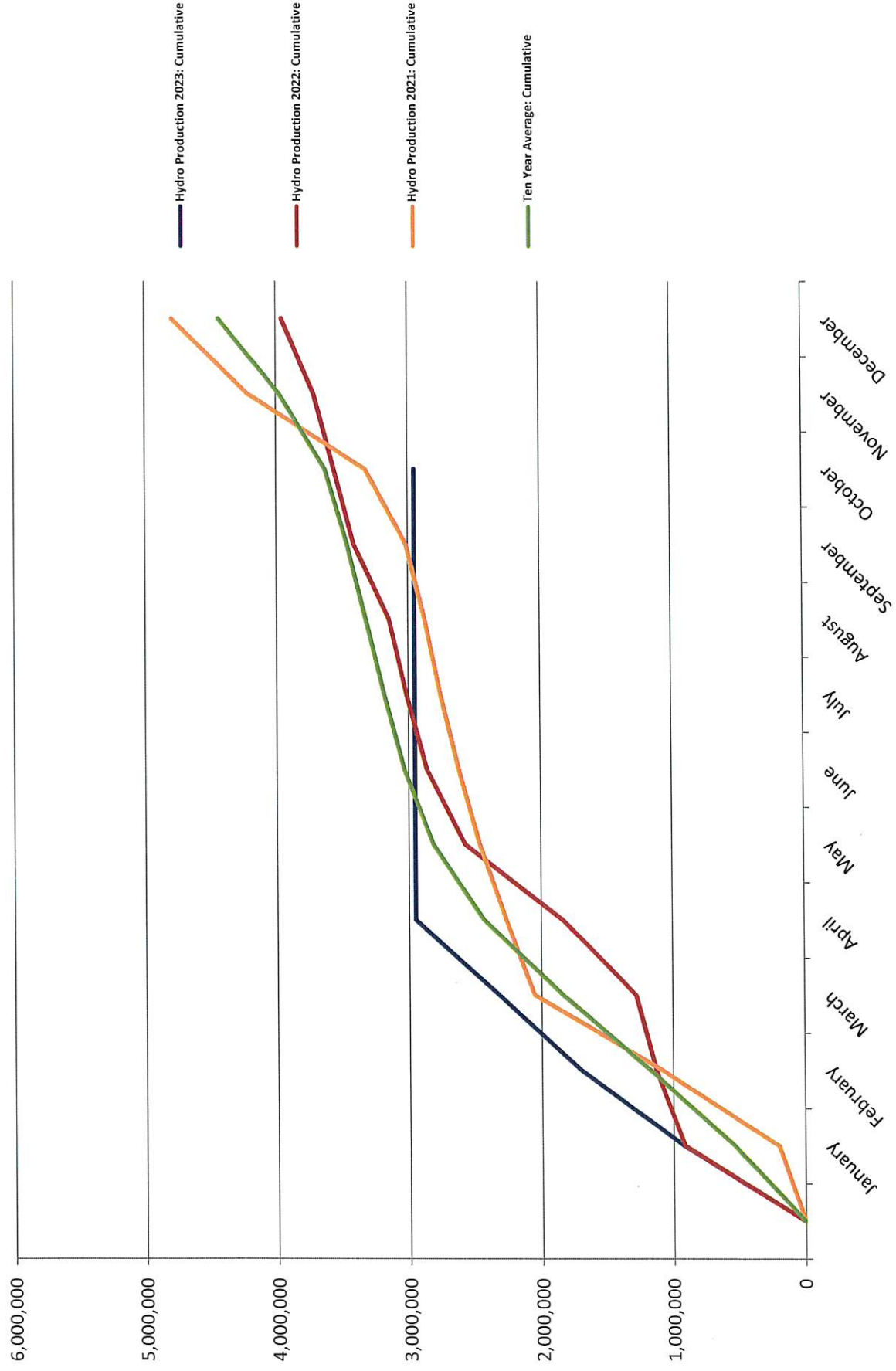


Ruth Rainfall - Water Year 2023-2024





Ruth Hydro Production: Cumulative kWh



Memo to: Board of Directors
From: Dale Davidsen, Superintendent
Date: November 1, 2023
Subject: Surplus equipment request

The District has replaced the following equipment. We would like to declare these items as surplus.

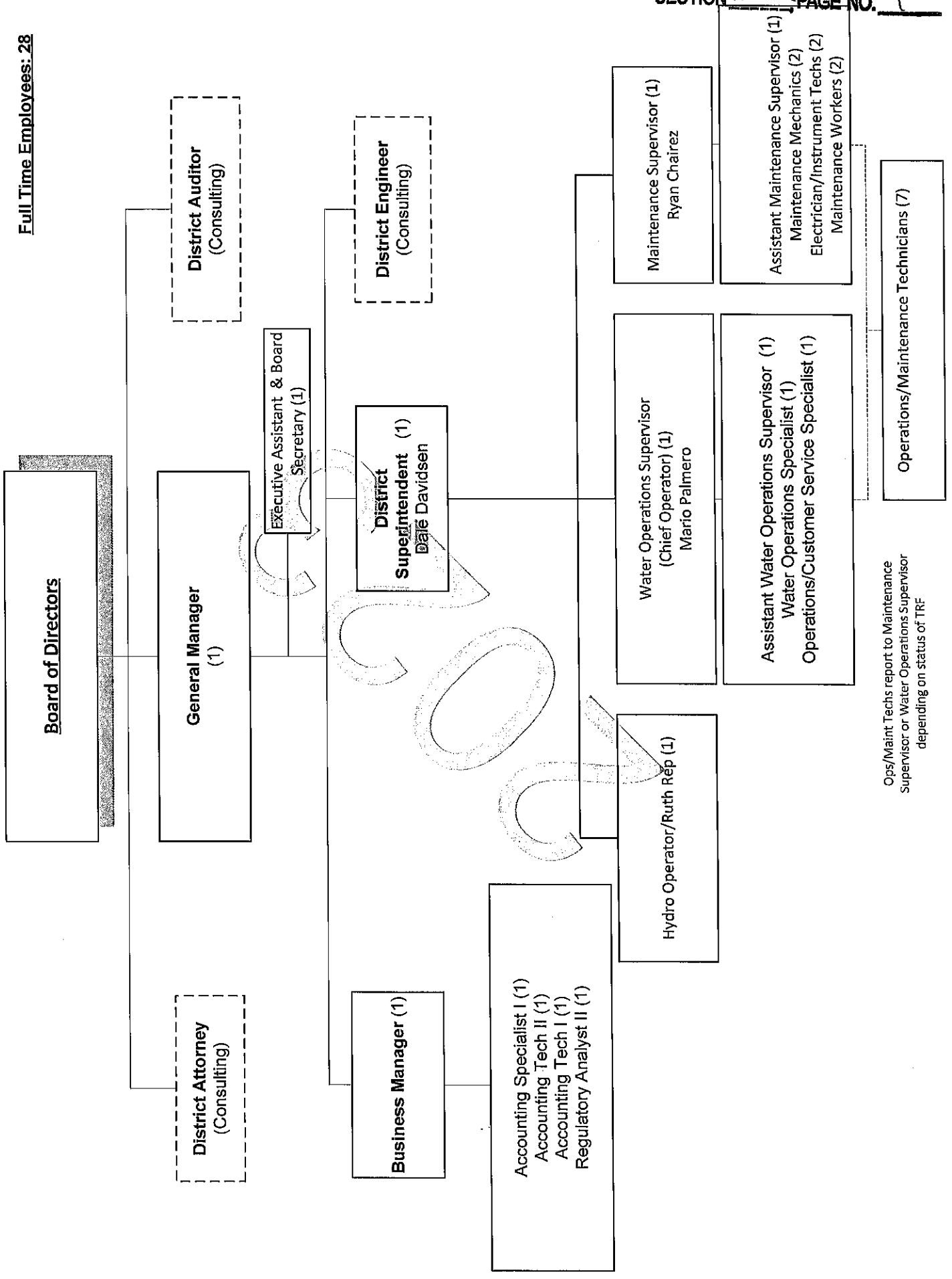
1. Limitorque valve actuator and gear box
2. Spare 208V motor for Limitorque valve actuator
3. Schneider Electric VFD drive, with panel face.



MANAGEMENT

Humboldt Bay Municipal Water District

Full Time Employees: 28



Board of Directors

General Manager (1)

District Attorney (Consulting)

District Auditor (Consulting)

Business Manager (1)

District Superintendent (1)
Dale Davidsen

District Engineer (Consulting)

Executive Assistant & Board Secretary (1)

Accounting Specialist I (1)
Accounting Tech II (1)
Accounting Tech I (1)
Regulatory Analyst II (1)

Hydro Operator/Ruth Rep (1)

Water Operations Supervisor (Chief Operator) (1)
Mario Palmero

Maintenance Supervisor (1)
Ryan Chairez

Assistant Water Operations Supervisor (1)
Water Operations Specialist (1)
Operations/Customer Service Specialist (1)

Assistant Maintenance Supervisor (1)
Maintenance Mechanics (2)
Electrician/Instrument Techs (2)
Maintenance Workers (2)

Ops/Maint Techs report to Maintenance Supervisor or Water Operations Supervisor depending on status of TRF

Operations/Maintenance Technicians (7)

CALIFORNIA DEPARTMENT OF WATER RESOURCES
 DIVISION OF SAFETY OF DAMS

Jurisdictional Dams
Listed Alphabetically by County
 Page 110 of 117

Dam Number	Dam Name		Owner Name	Dam Height	Reservoir Capacity	Certified Status	Condition Assessment	County
National ID No.	Latitude	Longitude	Owner Type	Crest Length	Dam Type	Downstream Hazard	Reservoir Restrictions	Year Built
1072-0	Ewing		Trinity County Waterworks District 1	63	887	Certified	Satisfactory	Trinity
CA00903	40.56	-123.17	County, county agency, or county district	550	ERRK	High	No	1972
219-0	Jones Ranch		Blue Planet, LLC	36	58	Certified	Satisfactory	Trinity
CA01258	40.80	-123.49	Private company, corporation, LLC, partnership	350	ERTH	Significant	No	1980
1013-0	Robert W. Matthews		Humboldt Bay Municipal Water District	150	51,800	Certified	Satisfactory	Trinity
CA00833	40.37	-123.43	Park, sanitation, utility, or water district	630	ERTH	High	No	1962

Count: 3



MEMORANDUM

October 30, 2023

TO: All Chamber Members

FROM: Nancy Olson, President/CEO

RE: NOMINEES FOR 2024 EUREKA CHAMBER BOARD OF DIRECTORS

Six local business leaders have been nominated for seats on the 2024 Eureka Chamber Board of Directors. The Chamber Nominating Committee selected the following members for consideration:

- Meghann Broadstock, VP/Branch Manager & Commercial Loan Officer, Redwood Capital Bank
- Blair Brown, President Property Management, The Danco Group
- Ethan "Red Eagle" Lawton, Tribal Liaison, Associate Planner, SHN
- Gabrielle Long, Owner, A Taste of Bim and The Grind Cafe
- Kate Newby, Property Manager, Bayshore Mall
- Basil Saied, Chief Financial Officer, Providence

Pursuant to the Chamber by-laws, members in good standing, who wish to be added to the list of nominees for a position on the Board of Directors may do so by submitting a petition with the names of thirty-seven (37) qualified members of the Chamber attesting to their support of the nominee, on or before November 9, 2023. Thereafter, ballots will be emailed to the voting members following this required ten (10) day filing period for nomination by petition.

Ballots must be completed no later than 5:00 pm on December 1, 2023. Only those ballots returned by the designated Voting Member will be counted.

Headwaters Conference Call

November 3, 2023

1 pm – 2pm (PST)

<https://acwa.zoom.us/j/81226392895?pwd=tARZzqFE4fyfHfr8b9ba5GStlRu3NX.1>

Meeting ID: 812 2639 2895

Passcode: 731642

Agenda:

- I. Introductions and Call to Order, *Willie Whittlesey*
- II. Local Updates, *Willie Whittlesey*
- III. Federal Update, *David Reynolds and Jay Tanner*
- IV. State Update, *Julia Hall*
- V. ACWA Fall Conference Meeting – Tuesday Committee Day Lunch Break (11/29 @ 12:15-1:30pm)

Attachments:

- Wildland Fire Mitigation and Management Commission Report to Congress

Bill Number	Bill Title	Sponsor	Last/Scheduled Action	Last/Scheduled Action Date	Notes/Staff Recommended Position
H.R. 4197	Collaborative Forest Landscape Restoration Program Reauthorization Act of 2023	Rep. Joe Neguse (D-CO-2)	Referred to the Committee on Agriculture, and in addition to the Committee on Natural Resources, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned.	6/16/2023	Support
H.R. 4018 / S. 1853	Headwaters Protection Act of 2023	Rep. Jim Costa (D-CA-16) / Sen. Michael Bennet (D-CO)	Referred to the Subcommittee on Forestry.	7/28/2023	Support
S. 2132	Catastrophic Wildfire Prevention Act of 2023	Sen. Mike Lee (R-UT)	Read twice and referred to the Committee on Energy and Natural Resources.	6/22/2023	Support
H.R. 3389	Emergency Wildfire Fighting Technology Act of 2023	Rep. David Valadao (R-CA-21)	Referred to the Subcommittee on Forestry.	6/23/2023	FYI only

H.R. 4235	Wildfire Technology Demonstration, Evaluation, Modernization, and Optimization Act	Rep. Young Kim (R-CA-39)	Referred to the Committee on Natural Resources, and in addition to the Committee on Agriculture, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned.	6/21/2023	FYI only
S. 1540	A bill to amend the Forest and Rangeland Renewable Resources Planning Act of 1974 and the Federal Land Policy and Management Act of 1976 to provide for circumstances under which reinitiation of consultation is not required under a land and resource management plan or land use plan under those Acts, and for other purposes.	Sen. Steve Daines (R-MT)	Committee on Energy and Natural Resources. Reported by Senator Manchin with an amendment in the nature of a substitute. With written report No. 118-77.	7/25/2023	FYI only

Executive Summary

The wildfire crisis in the United States is urgent, severe, and far reaching. Wildfire is no longer simply a land management problem, nor is it isolated to certain regions or geographies. Across this nation, increasingly destructive wildfires are posing ever-greater threats to human lives, livelihoods, and public safety. Further, the drivers of the wildfire crisis are numerous and complex, and themselves are influenced by multiple forces and factors at all scales. Despite widespread recognition of this crisis and decades of concerted action, wildfire impacts continue to mount.

Since the turn of the century, wildfires have destroyed tens of thousands of structures and threatened nearly 2,000 communities in dozens of states. With tragic frequency, wildfires are turning into highly destructive urban conflagrations, decimating entire neighborhoods and communities and, in some cases, resulting in loss of life. Reminders of the urgency of the need to address this crisis are all too frequent, from the smoky skies that blanketed communities across the eastern United States in the summer of 2023, to, just weeks later, the devastating wildfire in Hawai'i that became the nation's deadliest in more than a century.

Increasingly intense and destructive wildfires also have profound impacts on our natural landscapes and the ecosystem services they provide. Wildfires are wiping out vegetation and habitats, and creating water repellent soils, all of which make landscapes highly vulnerable to post-fire flooding, erosion, and debris flows that pose extensive challenges for drinking water systems, public safety, community infrastructure, and more. Wildfire is also becoming an emergent threat in areas that have little or no history of wildfire and during times of year when landscapes typically have not burned.

While the total costs of wildfire are, at present, impossible to fully tabulate, federal suppression efforts now total well over \$2.5 billion per year. State, local, and Tribal governments also spend unaccounted sums each year on suppression. Yet, these are but a fraction of overall costs and losses. Federal agencies estimate that the total cost of wildfire nation-wide is "on the order of tens to hundreds of billions of dollars per year" (Crowley et al., 2023, p.8). Much of this financial toll is borne at the community level and often quickly overwhelms local resources. Workforces too are strained by increasingly demanding wildfire seasons. In addition to heavy workloads, those working in fire face barriers related to pay, mental and physical health, work-life balance, and other issues.

Though already critical, the nature and impacts of wildfire are only expected to worsen. Wildfire frequency, size, and severity is projected to increase, along with the multitude of associated impacts, from smoke emissions to watershed function.

In the face of this national challenge, Congress took bipartisan action to establish the Wildland Fire Mitigation and Management Commission through the 2021 Infrastructure Investment and Jobs Act (Pub. L. No. 117-58; § 40803, 135 Stat. 1097 (2021)). The legislation charged the 50-member Commission with the ambitious task of creating policy recommendations to address nearly every facet of the wildfire crisis, including mitigation, management, and post-fire rehabilitation and recovery. Recognizing the urgency of the crisis, the Commission was given just a single year to conduct a sweeping review of the wildfire system and produce a comprehensive set of policy priorities.

The suite of recommendations that follow outline a new approach to wildfire, one that is proactive in nature, better matched to the immense scale and scope of the crisis, and more reflective of the multi-scalar, interrelated nature of the overall system. Importantly, just as there is no single cause of this crisis, there is no single solution.

Among the core themes of the Commission's recommendations is a call for greater coordination, interoperability, collaboration, and, in some cases, simplification within the wildfire system. This



Forest Service Law Enforcement & Investigations team was deployed for support after the Camp Fire swept through nearby communities including Paradise, Magalia and Concow in Northern California, 2018.

Tanner Hembree, Forest Service

includes increased integration between programs, policies, and workforces as well as improved incorporation of issues and sectors that have traditionally been set apart from the wildland fire discourse or handled disparately. Solutions also must better address fundamental connections and interactions between the temporal phases of wildfire, including pre-fire risk reduction and post-fire recovery, and between communities, landscapes, public health, utilities, research and technology, and other impacted sectors. Given the complexity of this space, overarching systems for accountability, data-driven decision-making and adaptive management are crucial to support efficacy and continued progress toward long-term change.

The Commission also found broad agreement that federal agencies alone should not – and in fact, cannot – effectively address a challenge of this magnitude. The whole of society must be involved. This requires meaningful shared decision-making with a range of entities – Tribal, state, and local governments; residents; non-governmental organizations; private industry; the research community; and others – at every level. Governance systems and structures must be more inclusive of non-federal entities and must involve greater collaboration, both among federal agencies and between federal agencies and non-federal governments, organizations, and communities. In addition to, and in support of, greater collaboration, partners at all scales should be empowered – through funding, decision-making tools, program flexibilities, and other means – to identify and implement locally driven solutions.

Also critical is the need to shift our approach toward proactive actions intended to better prepare for wildfire impacts, reduce those impacts, and build resilience for the future. For too long, we have relied on a reactionary system that has led to growing costs and losses without effectively addressing overall wildfire hazard and risk. Only through significant investments in proactive planning, mitigation, risk reduction, and the workforce needed to accomplish these tasks can we break the current cycle of increasingly severe wildfire risk, damage, and loss. Importantly, these upfront actions must encompass both the built and natural environment. While significant funding has been put toward hazardous fuels reduction work in recent years, there have not been equivalent national-scale investments and efforts to reduce risk in the built environment and prepare communities before, during, and after a wildfire. Addressing this gap is essential to a comprehensive approach to wildfire.

Solutions must not only reorient towards proactive approaches but must be at a scale that is commensurate with the crisis – one that costs the nation tens to hundreds of billions of dollars per year, and untold non-financial impacts. The wildfire crisis cannot be seen as a problem solvable by a single pulse of funding; it is a challenge requiring sustained investment and commitment.

It also must be acknowledged that while fire is central to this crisis, it is also a critical part of the solution. Beneficial fire – including prescribed burning, cultural burning, and wildfire managed for resource objectives – is necessary to restore fire-adapted ecosystems and reduce the risk of high-severity wildfires that pose a significant threat to communities. Policy change is needed to enable a new relationship with fire, one in which fire is no longer an existential risk to communities and landscapes, but instead an integral and beneficial component of our human and natural systems.

The Commission urges Congress to take swift action to advance the holistic solutions needed to reduce the risk of wildfire to the nation. Only through comprehensive action can we hope to prepare for the wildfires of today and, critically, the wildfires of tomorrow.

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RCEA/RREDC



Redwood Coast Energy Authority
633 3rd Street, Eureka, CA 95501

Phone: (707) 269-1700 Toll-Free (800) 931-7232 Fax: (707) 269-1777

E-mail: info@redwoodenergy.org Web: www.redwoodenergy.org

SECTION 11.4.a PAGE NO. 1

BOARD OF DIRECTORS REGULAR MEETING AGENDA

NEW MEETING LOCATION

**Wharfinger Building, downstairs Bay Room
1 Marina Way, Eureka, CA 95501**

**October 26, 2023
Thursday, 3:30 p.m.**

Any member of the public needing special accommodation to participate in this meeting or access the meeting materials should email LTaketa@redwoodenergy.org or call (707) 269-1700 at least 3 business days before the meeting. Assistive listening devices are available.

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, including those received less than 72 hours prior to the Committee's meeting, will be made available to the public at www.RedwoodEnergy.org.

NOTE: Speakers wishing to distribute materials to the Board at the meeting, please provide 13 copies to the Board Clerk.

THIS IS A HYBRID IN-PERSON AND VIRTUAL MEETING.

The Board of Directors has returned to in-person hybrid meetings. When attending Board meetings, please socially distance as much as possible and be courteous to those who choose to wear a mask.

To participate in the meeting online, go to <https://us02web.zoom.us/j/81972368051>. **To participate by phone**, call (669) 900-6833 or (253) 215-8782. Enter webinar ID: 819 7236 8051.

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.

You may submit written public comment by email to PublicComment@redwoodenergy.org. Please identify the agenda item number in the subject line. Comments will be included in the meeting record but not read aloud during the meeting.

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."

OPEN SESSION Call to Order

1. ROLL CALL - REMOTE DIRECTOR PARTICIPATION

- 1.1. Approve teleconference participation request for this meeting by Director pursuant to Brown Act revisions of AB 2449 due to an emergency circumstance to be briefly described.

2. REPORTS FROM MEMBER ENTITIES

3. 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.

4. 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.

- 4.1 Approve Minutes of September 28, 2023, Board Meeting.
4.2 Approve Disbursements Report.
4.3 Accept Financial Reports.
4.4 Approve Conflict of Interest Waiver with Braun Blasing & Wynne for representation in contract negotiations with Sonoma Clean Power Authority.

5. REMOVED FROM CONSENT CALENDAR ITEMS

Items removed from the Consent Calendar will be heard under this section.

6. OLD BUSINESS

- 6.1. 2018-2019 Financial Audit Report and Presentation by Auditor Baker Tilly US.

Accept and Approve Redwood Coast Energy Authority Financial Statements June 30, 2019 and 2018 and Associated Independent Auditors' Report By Baker Tilly US, LLP.

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.

7. OLD CCE BUSINESS

- 7.1. Proposed RCEA Net Billing Tariff Adoption

Adopt Resolution No. 2023-9, Approving the RCEA Net Billing Tariff.

8. NEW CCE BUSINESS

- 8.1. Energy Risk Management Quarterly Report – Information only

END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS

9. NEW BUSINESS - None

10. STAFF REPORTS

- 10.1 Executive Director's Report

11. FUTURE AGENDA ITEMS

Any request that requires Board action will be set by the Board for a future agenda or referred to staff.

12. CLOSED SESSION

- 12.1. Public Employee Performance Evaluation, pursuant to Government Code Section 54957(b)(1): Executive Director.

13. RECONVENE TO OPEN SESSION

14. CLOSED SESSION REPORT

15. ADJOURNMENT

NEXT REGULAR MEETING

Thursday, November 16, 2023, 3:30 p.m.

Wharfinger Building downstairs Bay Room, 1 Marina Way, Eureka, CA 95501.

Online and phone participation will also be possible via Zoom.



Redwood Region Economic Development Commission
 325 2nd Street, Suite 203, Eureka, California 95501
 Phone 707.445.9651 Fax 707.445.9652 www.rredc.com

**REDWOOD REGION ECONOMIC DEVELOPMENT COMMISSION
 Regular Meeting of the Board of Directors**

In person: Eureka City Hall, Conference Room 207, 531 K Street, Eureka CA
 or via Zoom

<https://us02web.zoom.us/j/81626257053?pwd=YUNpYm5pYXpDZk03ZzdlbXJBTmRoQT09>

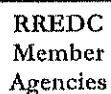
Meeting ID: 816 2625 7053 Passcode: 613718

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**October 23, 2023 at 6:30 pm PT
 AGENDA**

- I. **Call to Order**
- II. **Approval of Agenda**
 - A. Approval of Agenda for October 23, 2023
- III. **Public Input for non-agenda items**
- IV. **Consent Calendar**
 - A. Approval of Minutes of the Board of Directors Meeting: August 28, 2023
 - B. Approval of Agency-wide Financials: July 2023 & August 2023
 - C. Approval of Annual EDA RLF Recertification
 - D. Closing Unused RREDC Cash Accounts at Humboldt County Treasury
- V. **Program – Amanda Peçanha Hickey, Director of Research & Policy, California Center for Rural Policy, and Project Director, Community Economic Resilience Fund (CERF) - Redwood Region Resilient Inclusive Sustainable Economy (RRRISE) <https://ccrp.humboldt.edu/redwood-rise>**
- VI. **New Business None**
- VII. **Old Business None**
- VIII. **Reports – No Action Required**
 - A. Executive Director's Report
 - B. Loan Portfolio Report
- IX. **Member Reports**
- X. **Agenda/Program Requests for future Board of Directors Meetings**
- XI. **Adjourn**

The Redwood Region Economic Development Commission will, on request, make agendas available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), and the federal rules and regulations adopted in implementation thereof. Individuals who need this agenda in an alternative format or who need a disability-related modification or accommodation in order to participate in the meeting should contact the Board Secretary at (707) 445-9651. Notification 48 hours prior to the meeting will enable the Commission to make reasonable arrangements for accommodation.



Cities Arcata · Blue Lake · Eureka · Ferndale · Fortuna · Rio Dell · Trinidad
 Community Services Districts Humboldt · Manila · McKinleyville · Orick · Orleans · Redway · Willow Creek
 Humboldt Bay Harbor, Recreation and Conservation District · Humboldt Bay Municipal Water District
 County of Humboldt · Hoopa Valley Tribe · Redwoods Community College District