

# Humboldt Bay Municipal Water District 828 7<sup>th</sup> Street, Eureka



## Agenda for Regular Meeting of the Board of Directors

August 17, 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.*

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**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 pm 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.

### Time Set Items:

<b>8.2 Continuing Business</b>	<b>McNamara &amp; Peepe</b>	<b>9:15 AM</b>
<b>8.1 Continuing Business</b>	<b>Blue Lake Rancheria</b>	<b>10:00 AM</b>
<b>10.1 Engineering</b>	<b>Engineering</b>	<b>11:00 AM</b>

**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**

- a. July 13, 2023 Regular Board Meeting Minutes.\*- discuss and possibly approve
- b. August 3, 2023 Special Board Meeting Minutes.\*-discuss and possibly approve

**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-k)\*-discuss and possibly approve

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**7. CORRESPONDENCE**

- a. HBMWD letter to California Public Utilities Commission (CPUC). \*-discuss
- b. HBMWD Letter to IRWM re Collector 2 grant. \*-discuss
- c. HBMWD letter re EAP Face-To-Face meeting. \*-discuss

**8. CONTINUING BUSINESS**

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

- a. Local Sales
  - i. Nordic Aquafarms
  - ii. Trinidad Rancheria Mainline Extension
  - iii. Blue Lake Rancheria Mainline Extension
- b. Transport
- c. Instream Flow

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

- a. DTSC Quarterly summary Report, July\*- discuss
- b. Site Investigation Work Plan. \*-discuss
- c. Site maps & historical sampling results (stormwater and well water)\*-reference

**9. NEW BUSINESS**

- a. Humboldt County Office of Emergency Services Local Hazard Mitigation Plan (LHMP) letter of commitment. \*-discuss and possibly approve.
- b. Cari McCormick vs. HBMWD. \*-discuss
- c. Letter to Brent Robinson re Notice of insufficiency of claim (Cari McCormick) filed with HBMWD. \*-discuss

**10. REPORTS**

**10.1 Engineering – (Time set 11:00 am)**

- a. Collector 2 Rehabilitation Project-Status report
  - i. Change Order #2 (Port Leaks)\*-discuss and possibly approve
  - ii. Pay Request #4\*-discuss
- b. Essex Onsite Sodium Hypochlorite Generation-Status Report
- c. TRF Generator\*-Status Report
- d. Collector Mainline Redundancy Project-Status Report
- e. Status report re: other engineering work in progress

**10.2 Financial**

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

**10.3 Operations**

July Operations Report. \*- discuss

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**10.4 Management**

- a. USFS symposium November 15-16.\*-discuss
- b. ACWA Headwaters group report out.\*-discuss

**11. DIRECTOR REPORTS & DISCUSSION**

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

**11.2 ACWA**

- a. ACWA Fall conference attendance.\*-discuss and possibly approve
- b. ACWA resilient headwaters.\*- discuss
- c. Membership appreciation letter.\*-discuss
- d. ACWA update on priority issues.\*-discuss
- e. ACWA Region 1 ballot.\*-discuss and possibly approve

**11.3 ACWA – JPIA**

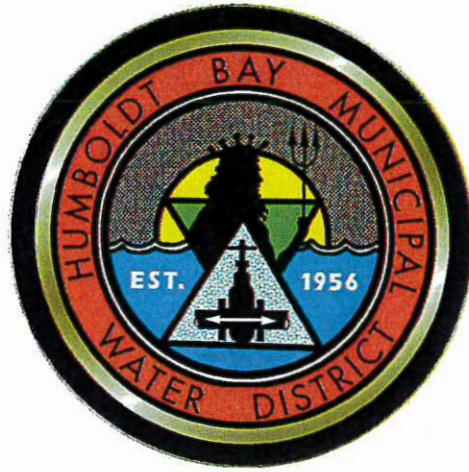
- a. Director Report, if any

**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 August 11, 2023.)



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

Board of Directors Meeting  
August 17, 2023



Fishing at Ruth Lake

# MINUTES

Humboldt Bay Municipal Water  
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SECTION 5A PAGE NO. 1



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**1. 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 Accounting Tech II Dee Dee Simpson-Glenn were also present. District Engineer Nathan Stevens was present for a portion of the meeting.

**2. FLAG SALUTE**

President Latt led the flag salute.

**3. ACCEPT AGENDA**

On a motion by Director Fuller and seconded by Director Rupp, the Board voted 5-0 to accept the agenda.

**4. PUBLIC COMMENT**

No public comment was received.

**5. MINUTES**

June 8, 2023 Regular Board Meeting Minutes

President Latt suggested a change in description to Item 10.3 b: Budget Presentation, CPI and the Board agreed. On motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 to approve the Minutes of June 8, 2023 as amended.

**6. CONSENT AGENDA**

Director Lindberg requested item 6f be pulled from consent. On motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 to approve the consent agenda less item 6f. Following a discussion of item 6f, on a motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 to accept item 6f.

**7. CORRESPONDENCE**

a. Letter from Southern Trinity Area Rescue (STAR) re: donation

Mr. Friedenbach shared a letter received from STAR requesting the Board consider a donation to help cover the \$50,000 budget shortfall they are facing this year. The Humboldt County Board of Supervisors has made a donation of \$120,000 in June. The Board discussed the value and importance of STAR in the Ruth area and the service they provide to our staff who work at the dam and around Ruth Lake. On a motion by Director Woo, seconded by Director Lindberg, the Board voted 5-0 to donate \$1,000 to Southern Trinity Area Rescue and Ambulance.

b. Letter to Fieldbrook-Glendale CSD re: Water System Inspection

Mr. Friedenbach sent a letter to Fieldbrook Glendale Community Services District (FGCSD) General Manager Rick Hanger following an inspection of the FGCSD water system by Department of Water Resources (DWR). Mr. Friedenbach pointed out DWR had suggested "Managerial Consolidation" between FGCSD and HBMWD, and asked Mr. Hanger for his thoughts on this suggestion. As of the date of the Board meeting, Mr. Hanger had not replied. The directors discussed the suggestion. Under a maintenance contract, HBMWD currently performs all the administrative and maintenance for FGCSD water system.

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We have no role in the maintenance or operation of the sewer system. The Board was not interested in pursuing this suggestion.

c. Letter to Governor Newsom re: PG&E Transmission of Hydro Electricity

A letter was sent to Governor Newsom regarding the damaged PG&E Low Gap Substation transformer and the impact it has had on the District's hydro power production. The letter was an effort to solicit support for fast tracking the repair of the transformer. Copies of the letter were also sent to Senator Mike McGuire, Assembly Member Jim Wood and, Alison Talbott, Government Relations Rep, PG&E. The Board suggested that a letter be sent to the CPUC as it may draw more attention than the Governor's office would.

d. Letter from RLCSO re Policy 6800, Lease Fees & Payment, update

Mr. Friedenbach provided background on Ruth Lake Amendment 3 to the Master Lease between RLCSO and HBMWD. The amendment contains a requirement that changes RLCSO policies regarding Lease Lots. Changes must be reviewed and approved by HBMWD. RLCSO is supposed to give HBMWD 45-day advance notice of the proposed changes. If there are no issues, then it gets approved. If there are issues, HBMWD and RLCSO will discuss and resolve. The update to Policy 6800 was approved by the RLCSO Board on June 13, 2023 and is mostly administrative in nature, dealing with lease fees and payments. On a motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 to approve the proposed amendment and request proper advance notification for future proposed policy amendments.

e. Letter from RLCSO re Lease Lot 42 variance

Mr. Friedenbach provided background on this lease site issue. All the structures were destroyed by the August Complex Fire. The previous lease holder had submitted improvement plans that had been approved by Ruth Lake CSD and HBMWD but then sold the lease lot. Plans are not transferable and therefore the new lease holder resubmitted the plans. The resubmitted plans were modified to decrease the structure's footprint. During the course of construction and acquiring the required permits from Trinity County Building and Trinity County Environmental Health, the lease holders were asked by Trinity County Environmental Health to extend their leach field towards Choptoy Creek. This raised the question of the lot line boundaries. Lease holder Ms. Bri Cavanaugh was present at the meeting and explained the distance the proposed structure will be to the property line set-back and the PG&E utility easement road. The structure will not go over the property line but is only five feet from it at one point. Mr. Friedenbach said that Ruth Lake CSD has already approved a variance and recommended the HBMWD Board approve the variance, as long as it does not encroach on the PG&E easement. On a motion by Director Rupp, seconded by Director Latt, the Board voted 5-0 to conditionally approve the action of the Board of Directors for Ruth Lake Community Services District on July 11<sup>th</sup> to approve a waiver of policy 6000.23, align the placement of the structure on lease lot 42 in the setback area as proposed on the submitted building plans, subject to the lease lot holders providing adequate proof as determined by the District, that the placement of the proposed structure does not encroach on any utility easement utilized by PG&E.

**8. CONTINUING BUSINESS**

8.1 Water Resource Planning

a. Local Sales

i. Nordic Aquafarms

The transport committee met with Nordic staff to review the status of the project. The project continues in the permit challenge process. Nordic has changed their fish

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species to an ocean saltwater fish, so they no longer need industrial water from HBMWD.

**ii. Trinidad Rancheria Mainline Extension**

Trinidad Rancheria continues to negotiate engineering services with Stetson Engineering.

**iii. Blue Lake Rancheria Mainline Extension Memorandum of Understanding**

Director Latt recused himself due to a potential conflict of interest, as he is the Chief Justice of the Blue Lake Rancheria Tribal Court. Director Fuller also recused herself as she is an employee of the Blue Lake Rancheria. They both left the Board room.

Director Rupp chaired this portion of the meeting. Mr. Friedenbach explained that the MOU is very similar to the MOU with the Trinidad Rancheria for their mainline extension. Due to a potential conflict by District Counsel-The Mitchell Law Firm, the District is using our water rights attorney, Meredith Nichols, of Downey Brand for legal advice on the Blue Lake Rancheria project. The MOU is a first step to get the process initiated and heading towards an eventual contract. Ms. Jana Ganion, Sustainability and Government Affairs Director for the Blue Lake Rancheria, was in attendance and thanked the staff for their response and professional work. On a motion by Director Woo and seconded by Director Lindberg, the Board voted 3-0 to approve the Blue Lake Rancheria Mainline Extension Memorandum of Understanding.

**b. Transport**

A newspaper article from the Times Standard, "Tribes, activists rally in Sacramento Over Water Rights", was included in the Board Packet. The article discussed water rights, rules and a specific project on the Delta River. A quote from the executive director of Save California Salmon, Regina Chichizola, expressed concern over the diversion of water from Trinity River that ultimately would end up at the Sites Reservoir. A discussion of the article followed.

**c. Instream Flow**

The Instream Flow Committee met and finalized the final narrative and graphics. A special board meeting was set for August 3, 2023 at 3:00 p.m. to review and possibly approve the final narrative prior to submission of the draft 1707 petition for change in use of water rights to the Water Board Staff for their initial review.

**8.2 McNamara & Peepe**

Director Woo recused herself due to a conflict of interest and left the board room.

**a. Site Investigation Work Plan**

Mr. Friedenbach summarized the site investigation work plan prepared by SHN, a consultant for DTSC for cleanup and investigation of the project area. There are eight grab soil samples that will be done to extract the soil and do testing. The majority of the sampling areas are around the cap and two are east of the cap. There will be two new monitoring wells. The testing they are going to do is primarily for PCP and TCP and there was some mention that they are going to test for phenols and dioxins/furans if they deem those are present. There will be a quarterly meeting on July 27<sup>th</sup> to discuss the ongoing progress of the site



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investigation remediation. The plan was found to be difficult to follow and there will be a request for more clarification regarding testing, etc. President Latt and Director Fuller will not be able to attend the July 27<sup>th</sup> meeting and it was decided that Director Lindberg should attend as an alternate.

- b. DTSC Monthly Summary Report, June  
Mr. Friedenbach shared the monthly report from DTSC.
- c. Site maps & historical sampling results (stormwater and well water)  
Mr. Friedenbach shared the maps and stated they will be included going forward for reference.

**9. NEW BUSINESS**

- a. Appoint Real Property Negotiator to negotiate with Ross Eskra and Pamela Beagle concerning the real property designated at APN 020-320-002

Mr. Friedenbach explained that if the District will be doing real property negotiations, the Board will need to designate a negotiator and staff is recommending that it be the General Manager. On a motion by Director Lindberg, seconded by Director Woo, the Board voted 5-0 to appoint General Manager John Friedenbach as our agency negotiator in this matter.

- b. CLOSED SESSION (Time Set 2:00 pm)- CONFERENCE WITH REAL PROPERTY NEGOTIATORS

Property: (APN 020-320-002) Agency negotiator: John Friedenbach, General Manager  
Negotiating parties: (Ross Eskra and Pamela Beagle) Under negotiation: Price and terms of Payment

The Board entered into closed session at 2:00 pm. They returned to open session at 3:00 pm. President Latt reported out and stated there was no reportable action.

- c. Ruth Lake Boat Leases-Sanitary Waste Disposal

Mr. Friedenbach reported on an issue regarding the boat lease sites at Ruth Lake. Per policy, boat leases (no road access) were required to have a pit privy for sanitation. A number of boat leases were destroyed by the August Complex fire and all structures burned to the ground. In order to build new structures, the leaseholder must prove they have a viable septic system and pit privies are no longer allowed by the State of California nor by Trinity County. This issue was brought to light when the District received an improvement request from a boat lease lot holder requesting approval to install a composting toilet. Mr. Friedenbach reached out to Trinity County Environmental Health and was told composting toilets are not allowed in Trinity County. Mr. Friedenbach proposed setting up a meeting with Ruth Lake CSD staff, HBMWD staff, Trinity County Environmental Health and the Water Board and try and figure out some sort of solution for the owners of boat leases. Ruth Lake CSD policies need to be updated to reflect the changes in the regulations as well. The directors concurred.

**10. REPORTS**

**10.1 Engineering**

- a. Collector Mainline Redundancy Project: Scope of Work change

Mr. Friedenbach discussed the memo from GEI Consultant Mark Martin regarding the Mainline

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Redundancy Pipeline Project – Geotechnical Conditions. This is a FEMA Hazard Mitigation grant funded project. The memo outlines the discovery of several geologic hazards along the proposed grant scope of work alignment. These include a landslide and an earthquake fault. These hazards could cause damage to the new pipeline. The recommendation was to propose an alternative pipeline alignment. Should the District request a Scope of Work Change for the project with FEMA, there is no additional funding through this hazard grant. The District would be responsible for 100% of the incremental costs. The pros and cons of realigning the route for the pipeline were discussed. One option would require acquiring additional easements from the landowners. On a motion by Director Rupp, seconded by Director Woo, the Board voted 5-0 to support beginning to explore the possibility of acquiring right-of-ways and also geotechnical analysis to include trenching.

b. Essex Onsite Sodium Hypochlorite Generation

Mr. Stevens reported that the equipment has shipped and it should be onsite the following week. Mr. Davidsen has ordered the brine tank. It has an approximate seven-month lead time and should be here at the beginning of 2024. They are now moving onto the design front for the actual installation and integration bid package.

c. TRF Generator

Pace Engineering is working on this project. Mr. Friedenbach reported they have completed their botanical investigation, geotechnical investigation, and the archaeological/historical site investigation. Those reports have been received and they are moving forward with the 30% design, which is phase one of that project. The project is also funded by a FEMA Hazard Mitigation grant is moving along, on schedule and on budget.

d. Collector 2 Rehabilitation Project

There are two pay requests in the Board packet for this project due to the timing when they were submitted and how it lined up with the Board packet deadlines. One at the beginning of June for \$244,815.00 and one at the end of June for \$295,416.75. Contractors are on site. They have completed a pre-construction performance test and have data on how the laterals performed before the construction project to compare to post project. They will start coring the caisson next week and putting in a temporary work platform. There may be a change order request from the contractor for unforeseen issues that have arisen causing them to be a few weeks behind schedule.

e. Status report re: other engineering work in progress

There were no additional engineering items to discuss.

10.2 Financial

a. June 2023 Financial Statement & Vendor Detail Report

Ms. Harris provided the June financial report. The General Account balance is \$1.8 million, the Various Investments account is at \$11 million and the General Reserves is at \$3.5 million. She stated that the one percent Property Tax Revenue has been accrued to the budget, however the information was received from the County *after* completing the financials. The Salary & Employee Benefits budget ended the fiscal year at 97% of budget. The Service & Supply budget ended the fiscal year at 106% of budget. Projects that qualify and were not completed this fiscal year that

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are moving forward into next fiscal year are marked at "encumbered" in the project report. On a motion by Director Rupp, seconded by Director Fuller, the board voted 5-0 to approve the financial statement and vendor detail report.

**b. FY2022-23 Project Budget Reallocation**

Ms. Harris stated that in order to minimize the impact on the District's Municipal Customers in any one fiscal year, staff uses a combination of funding mechanisms including grants, loans, and Advance Charges. The Project Budget Reallocation is a means to supplement the Advanced Charges, using funds already collected from the Municipal Customers. For FY23, staff is recommending approval to reallocate \$347,929.00 to Advanced Charges for the 3-Tank Seismic Retrofit and the Collector Mainline Redundancy Project. On a motion by Director Rupp, seconded by Director Fuller, the board voted 5-0 to approve the reallocation of any unspent funds determined available by the unbudgeted projects by the Board, and the remainder be reallocated to Advance Charges as defined under Ordinance 16 for the major grant-supported/District funded construction projects.

**c. FY2023-24 Budget Presentation**

Ms. Harris provided a brief recap of the proposed budget, which has been discussed the past few months. The Service & Supply Budget is increased by \$162,000.00 and most of this consists of power costs. The Salary & Wages Budget is decreased by \$46,000.00; the Employee Benefits Budget is decreased by \$50,000.00; the Project Budget is increased by \$683,000.00; Grant Funding is increased by \$743,000.00; Use of Advanced Charges & Reserves decreased by \$35,000.00; Other Revenue Funding decreased by \$225,000.00 and Wholesale Contract Funding increased by \$265,000.00. On motion by Director Rupp, seconded by Director Lindberg, the Board voted 5-0 to approve the FY2023-24 Budget.

**d. CalClass Investment and Investment Policy Changes**

Due to a change in investment management firms at CalTrust, the District is required to close-out two of its funds and transfer them elsewhere. The Board was presented with three different options for these funds. On a motion by Director Rupp, seconded by Director Woo, the Board voted 5-0 to approve staff recommendation for preservation of principal and investment diversity, transfer both the ReMat and DWFP funds into California CLASS accounts and approve the revised investment policy.

**10.3 Operations**

**a. June Operations Report**

Mr. Davidsen provided the June Operations Report. The TRF is offline for the summer effective June 12<sup>th</sup>. Safety meetings occurred and topics covered were PPE and ergonomics. Divers were onsite working on lines in Collector 2. The main office solar project went into full operations in June.

**b. Request to Surplus: Westinghouse, 1200 AMP circuit breaker**

The District replaced the Westinghouse 1200 AMP circuit breaker. It was an obsolete spare from the old switchgear. Staff recommends the item be surplus. On a motion by Director Woo, seconded by Director Latt, the Board voted 5-0 to approve the item be surplus.

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**10.4 Management**

a. Active Grants Update

Mr. Friedenbach shared with the Board all of the grants staff are currently administering. There are 13 grants for a total amount of \$24,000,000. The Directors felt staff were doing a great job.

b. CSDA GM Leadership Summit

Mr. Friedenbach shared his agenda from the General Manager Leadership Summit he attended. He gave a brief overview of the different events he attended and thanked the Board for the opportunity to attend.

c. Board Meeting Dates

A list of Board meeting dates through the end of the calendar year was shared with the Board. This included the change of date for the August meeting as well as the date for the Joint Board Meeting with Ruth Lake CSD.

d. National Public Lands Day, Cleanup at Ruth Lake

Mr. Friedenbach shared information regarding the Ruth Lake Cleanup Day. It is sponsored by the US Forest service and the District is a co-sponsor for this event being held September 23, 2023.

e. Executive Assistant/Board Secretary Position

Screening tests and interviews were held for the position of Executive Assistant/Board Secretary. Mr. Friedenbach reported that Contessa Dickson has been hired for this position. The process went well and staff were happy with the results.

**11 DIRECTOR REPORTS & DISCUSSION**

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

Director Woo reported she had attended the public meeting of the Harbor District regarding the Heavy Lift Terminal. She shared that they gave a good overview of the project. Discussion followed and staff was directed to send a letter expressing concerns while the project is in the Notice of Preparation period. Director Woo will work with Mr. Friedenbach on the language for the letter.

Director Lindberg expressed concern on the redundant pipeline project and the proximity to an earthquake fault. Mr. Davidsen, explained the area of the current pipelines and the proposed pipeline, illustrating the value of the redundant pipeline.

**11.2 ACWA**

a. ACWA Foundation Thank you note

Mr. Friedenbach shared a thank you note from ACWA Foundation for the donation of \$1,000.

b. ACWA Update on Priority Issues

Mr. Friedenbach shared the ACWA Update on Priority Issues. Discussion followed on the issue of water rights and concerns over the potential loss or curtailment of them. Director Rupp discussed the IRWMP program and the Water Bond.

c. ACWA Regulatory Roundup

Mr. Friedenbach shared the Regulatory Roundup. There was no discussion.

d. ACWA News, June 2023, Legislative Committee summary

The Legislative summary was shared with the Board. There was no discussion.

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e. ACWA Committee Appointment Considerations for 2024-25 Term

Mr. Friedenbach expressed that he would like to be on the Headwaters Working Group and on the Energy committee. Director Rupp would like to continue to be on the Headwaters Working Group, the Membership Committee and continue as Vice-Chair on the Finance Committee. He has been nominated to go back on the Region One Board. On a motion by Director Rupp, seconded by Director Fuller, the Board voted 5-0 to approve Mr. Friedenbach's requests for committee assignments as well as Director Rupp's committee assignments.

**11.3 ACWA – JPIA**

a. Director Report, if any

Director Rupp reported the ACWA/JPIA had a two-day meeting that he attended for the new JPIA Executive Committee. There are three new members on the committee. He attended a Workers' Compensation committee meeting. He also attended a property meeting. It appears that there will be a 15% increase in our property rates.

b. Wellness Grant 2023 Application

Mr. Friedenbach shared the Wellness Grant that was submitted to ACWA/JPIA and we received notification that we were approved.

**11.4 Organizations on which HBMWD Serves**

a. RCEA

Director Woo reported out on the RCEA Meeting on June 22, 2023. The press releases started this week on Rural RREN which is the Rural Region Energy Network. RCEA was chosen as the clearinghouse/management of this new program. This is a statewide program that is trying to recognize the rural hard to reach areas that haven't received as much funding for renewable energy and conservation.

b. RREDC

Director Latt reported on the June 26, 2023 meeting of RREDC. It was an interesting program. Nick Bown-Crawford, Executive Director, Humboldt Made, and Chair, Humboldt Eel River Valley Long Term Recovery Group was the speaker. He specializes in disaster preparedness and leads groups in emergency response. The concept is housed, fed and healthy people can return to work quickly.

**ADJOURNMENT**

The meeting adjourned at 4:12 pm.

Attest:

\_\_\_\_\_  
Neal Latt, President

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

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**Minutes for Special Meeting of the Board of Directors  
August 3, 2023**

**1. ROLL CALL**

President Latt called the meeting to order at 3:06 PM. Director Lindberg conducted the roll call. Director Fuller, Woo, and President Latt were present. General Manager John Friedenbach, Superintendent Dale Davidson, business manager Chris Harris and Executive assistant/Board secretary Contessa Dickson were present. Director Rupp arrived at 3:10.

**2. FLAG SALUTE**

President Latt led the flag salute.

**3. ACCEPT AGENDA**

On motion by Director Woo, seconded by Director Lindberg the board voted 4-0 to accept the agenda. Director Rupp was not present for the vote.

**4. PUBLIC COMMENT**

No public comment was received.

**Presentation to new employee**

Contessa Dickson, new Executive assistant/Board secretary was presented with a District jacket as is the custom in celebrating new employment with Humboldt Bay Municipal Water District.

**5. Continuing Business**

**Instream flow 1707 petition for change**

Director Fuller and Woo presented the Instream Flow Powerpoint for the petition for change that will be submitted to the State Water Board for approval. Director Fuller reviewed HBMWD's history, water resource planning and instream flow dedication process. She then discussed the narrative for petition for the change summary, the purpose of the project and map draft of the project boundary. HBMWD is diligently pursuing the full beneficial use of its water rights. The next steps leading up to submittal of final petition were discussed. The board reviewed the time line due to our water rights expiring in 2029. The Directors asked several questions and a productive discussion ensued. Overall, the Board was supportive of the narrative summary for the District's 1707 petition for change. Director Rupp stated it was a great presentation.

**ADJOURNMENT**

The meeting adjourned at 4:34 pm.

Attest:

\_\_\_\_\_  
Neal Latt, President

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

**CONSENT**

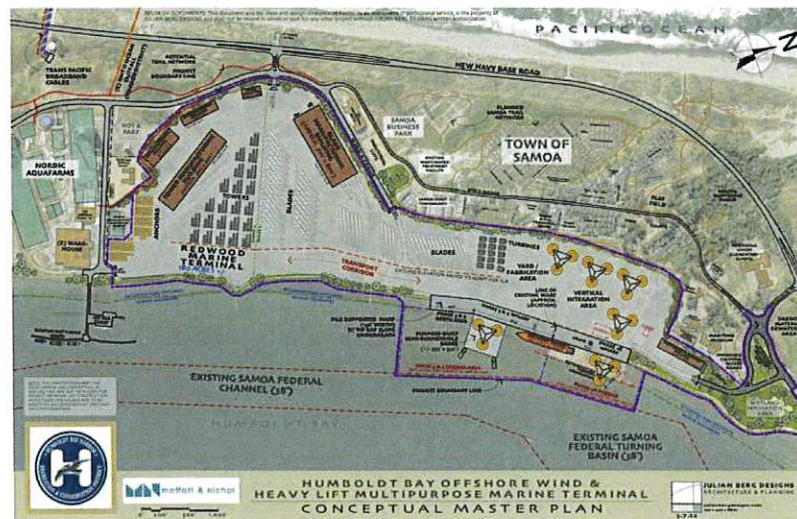
ISABELLA VANDERHEIDEN / 7/14/2023

# Humboldt Harbor District Officials Talk Port Development As Offshore Wind Efforts Ramp Up

Big changes are coming to the Samoa Peninsula.

The Humboldt Bay Harbor, Recreation and Conservation District held a public scoping meeting at the Wharfinger Building on Wednesday evening to provide an overview of the state-of-the-art “heavy lift marine terminal” that would support offshore wind development all along the West Coast.

Last year, the Harbor District entered into an agreement with Crowley Wind Services, a private marine solutions and logistics company, to build and operate the full-service marine terminal at the old pulp mill property in Samoa. Once it’s fully built out, the facility will have the potential to produce and ship the gigantic components needed for floating offshore wind turbines, everything from the blades and nacelles (the generator house) to mooring lines, towers and transmission cables.



*Conceptual rendering of the Humboldt Bay Offshore Wind Heavy Lift Marine Terminal*



If everything goes according to plan, the floating offshore wind development will bring the United States one step closer to meeting the Biden-Harris administration's goal of deploying 30 gigawatts (GW) of offshore wind energy – enough to power 10 million homes – by 2030, and 15 GW of floating offshore wind energy by 2035.

“It's a very ambitious goal because it's nearly double what the world currently has,” Harbor District Development Director Rob Holmlund said during Wednesday's meeting.

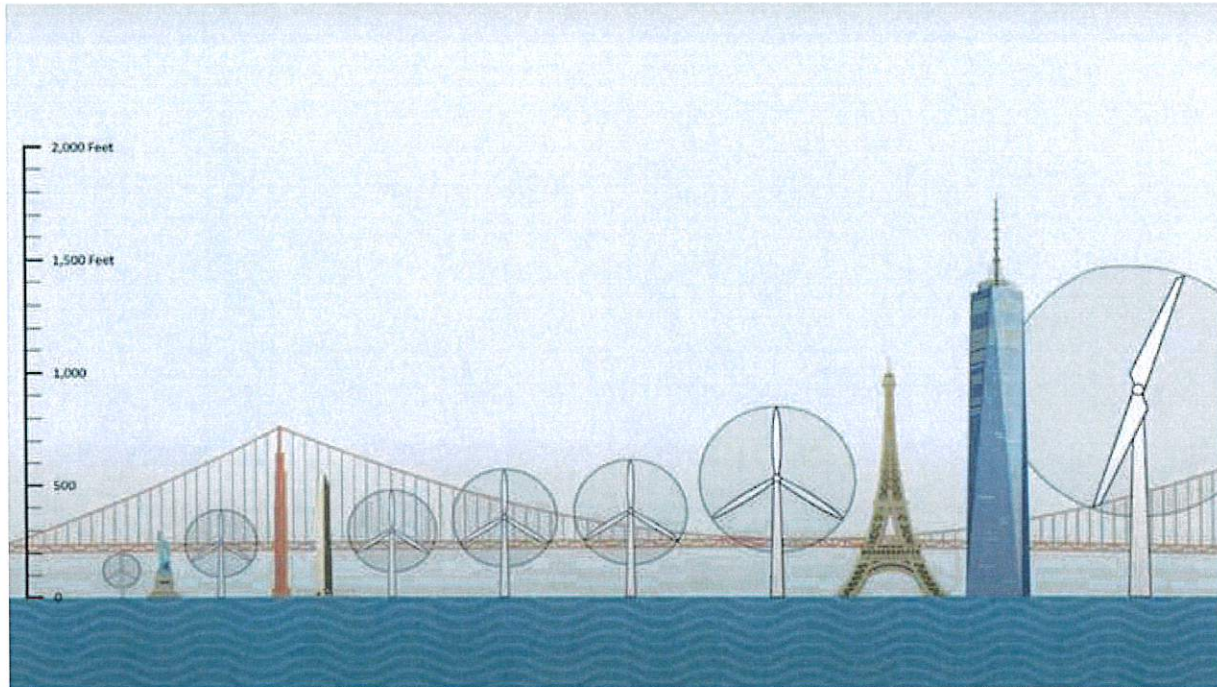
The Port of Humboldt Bay is in an ideal position to become the epicenter of offshore wind energy manufacturing and distribution on the West Coast. In fact, our humble port is the only port on the West Coast that has the capacity to host all three of the primary port needs of the offshore wind industry: staging and integration, onsite manufacturing and operations and maintenance.

“Each port has the opportunity to do component manufacturing, staging and integration and/or operations and maintenance,” Holmlund said. “The Bureau of Ocean Energy Management (BOEM) has evaluated all these ports and found that there are really only two spots [where] staging and integration can happen – Humboldt Bay, Los Angeles and Long Beach – because you need specific parameters to be able to do that particular stage. You need to have the right channel width, depth and no vertical draft restrictions.”

Among those three ports, only Humboldt Bay has immediately available developable space to accommodate the offshore wind industry, he said. And, because of its proximity to Morro Bay and other proposed wind energy lease areas in Oregon, Humboldt Bay is the only port capable of shipping the fully assembled platforms and turbines out to sea.

“These turbines have to be manufactured in a port,” Holmlund said. “You can transport the blades of a certain size by train, but after they get too large they have to be on a truck – each blade individually. Transport logistics become more and more difficult until, at some point, it's just too big to transport on land. ... Ocean-based turbines can only be moved by large ships, so they can be much, much larger than land-based turbines.”

To give you a better idea of the sheer scale of these things, the wind turbines that will be spinning off of our shores will be taller than the Eiffel Tower. The triangular platforms the turbines will be mounted on would cover the entire Arcata Plaza.



*Photo: Harbor District*

Despite their colossal size, Holmlund said the turbines would be barely visible from shore.

“I was in Trinidad the other day with my wife and children and we were hiking on Trinidad Head. It was a particularly clear day and I could actually see the smokestack on the Samoa Peninsula,” he said. “I looked it up later – that’s 17 miles – and it was really tiny and very, very far away.”

The big takeaway from the public comment portion of the meeting was the importance of community involvement. Lonyx Landry, Humboldt County Planning Commissioner and STEM advisor at Cal Poly Humboldt, said he is “all about” the transition away from fossil fuels but expressed concern for “how that happens in our community.”

“Perhaps by going slower [we can] make sure we are taking care of the fears and concerns of our community and maybe in the long run [that will] allow us to go

faster with rolling out these new technologies and abilities,” Landry said. “I want this to be happening with us, not to us. ... In some respects, this is a sacrifice, and I believe it’s a sacrifice that many people are prepared to make. But we absolutely want to make sure that we’re getting something for us. I don’t believe that corporate America needs any help and fast-tracking their agenda.”

Fourth District Supervisor Natalie Arroyo urged Harbor District officials and Crowley representatives to advocate for the community’s “specific concerns” as offshore wind development efforts move ahead.

“I know there are things that aren’t exactly in your jurisdiction that are going to take a regional approach, and I want to really encourage you to include those and document them in your EIR,” she said, noting that her comments do not reflect that of the entire Board of Supervisors. “[That] include[s] things like housing, possible transportation impacts, visual and sound impacts, green portfolios, emergency response, etc. ... That allows me – although the county has a somewhat limited role in the project – to advocate to Sacramento or D.C. and ask for these infrastructure changes to be funded in a way that allows us to really address these concerns.”

When nuclear power plants are developed, there are entire towns built around them to support the facilities, Arroyo said. “The level of investment is off the charts. I will go and ask for that, but I ask that this document is robust enough to give the framework for those big asks,” she said.

Jennifer Savage, a 20-year resident of the Samoa Peninsula, emphasized the importance of keeping the public involved throughout the planning and development process.

“If we’re going to reindustrialize the peninsula, you really need to do it right,” she said. “This proposed marine terminal project provides a unique opportunity to reduce planetary harm by assisting in the transition away from fossil fuels while providing living wage jobs – which should be local – for our struggling region. And these are really noble goals that deserve support, but the communities that live and recreate on the peninsula should not be forced to suffer unnecessary negative consequences as a part of that deal.”

Savage paused for a moment and said she was trying to think of a “respectful, delicate way” to phrase what she was about to say. “Even the most cursory Google search of Crowley will show that there is a disappointing record when it comes to environmental impacts and human rights,” she said.

She also questioned the legality of moving ahead with a lease agreement, which is likely to be signed before the end of the year, before the completion of CEQA compliance.

“I think it’s really concerning that we may be signing the lease agreement before the environmental review is complete,” she said. “My understanding is you’re legally required to complete CEQA prior to signing the lease. I thought that’s the way the law worked. If not, it would be great to have some clarity around that.”

A quick Google search indicates that final CEQA documents must be completed before decision-makers commit to a project and prior to leasing, selling and acquiring property. However, Holmlund says it’s “standard procedure.”

“It’s absolutely not in conflict with CEQA,” Holmlund told the *Outpost* during a brief phone interview on Thursday afternoon. “The normal procedure for development throughout California – and for this region – is for the property to be leased before the CEQA process is complete.”

Holmlund pointed to Nordic Aquafarms’ proposed land-based fish farm as an example. “They’ve had a lease with the Harbor District for three years. They’ve got their [final] EIR but they’re still working on various permits. They have to pay for the right to hold onto the land throughout the permitting process. ... A lease is an agreement between two parties over how much they’re going to pay to use the land. CEQA is the process used to minimize environmental impacts.”

Holmlund acknowledged that there “seems to be a lot of confusion” surrounding the issue and invited community members to reach out to the Harbor District with questions. He added that there will be many more opportunities for the public to offer their two cents on the project in the coming months.

Want to learn more about the project? Holmlund gets into the nitty gritty of the proposed development, the lease areas, shipping, logistics and manufacturing in this hour-long YouTube video.

The Harbor District’s [Notice of Preparation of Draft Environmental Impact Report](#) was released at the end of last month. The document will be circulated for a 30-day review and comment period. If you weren’t able to make it to Wednesday’s meeting you can submit comments by emailing Rob Holmlund at [districtplanner@humboldtby.org](mailto:districtplanner@humboldtby.org).

# Times Standard

Thursday, July 13th 2023°

## 20,000 residents to see water, sewer bills jump 88% over 5 years Rates for new connections also to increase

By **SAGE ALEXANDER** | [salexander@times-standard.com](mailto:salexander@times-standard.com) |  
PUBLISHED: July 12, 2023 at 2:37 p.m. | UPDATED: July 12, 2023 at 5:12 p.m.

The Board of Directors of Humboldt County Services District voted Tuesday for water and sewer rate increases, with two of five directors dissenting. Rates would eventually increase over the next five years by a total of 88% and start increasing Aug. 1.

A number of people who attended the meeting spoke against the increase. The total of 117 water protests and 103 sewer protests counted by HCSD did not meet the threshold of 3,700 water protests and 3,200 sewer protests, which would have forced the board to reconsider.

"I can feel the pain out there. But it would be irresponsible for us to kick this can down the road," said director Michael Hansen at the meeting. Public commenters noted that people on fixed income would be hurt the most by this, as other bills increase and inflation soars. The rate study states the increase starts at 13% a year for water and 14% for wastewater, to end in 5 years.

A number of public commenters, who stated they are on fixed incomes such as disability or Social Security spoke at the meeting, and noted how hard the increases would hit them.

"I just want to give a reminder that you are not the only people that are contacting us and saying you want to raise our rates," one commenter said.

Another commenter said the increase puts the district rates well above the average in the area. Other commenters noted that the water bills are already high.

Dale Warmuth said he doesn't think the mailer sent out about the meeting and rate increase is a good enough notification, adding that he's astounded by the increase.

### Directors weigh in

Director Julie Ryan said at the meeting the rate increase is a result of decades of deferred maintenance that has fallen into their laps. She said she did not want to dump the rate increase on the next generation.

"We're all investing in each other having clean water and not putting sewage out in the bay," she said.

Director Joe Matteoli said that since nobody was showing up to the rate increase process, he had started reaching out to people in the last couple of weeks himself.

"It's pretty much the same as what you all said tonight — I tallied 12 people and they all said no," he said.

Later, Matteoli voted against the rate increase, as well as another increase that was passed 3-2 on sewer connections. He said that it's a hardship for people and that he would like to step back and explore other options to keep the increase down.

"We already have a tremendous amount of breaks that are happening right now. It's just getting worse," said Hansen.

Leaky pipes in Eureka cause stormwater influx that pushes the wastewater treatment plant to its capacity, potentially causing overflows of partially treated sewage.

Hansen added the agency is chasing after emergencies, which are extremely expensive. He said it would be illegal to use revenue on anything other than water and sewer infrastructure, an accusation that came up during public comment.

The rate study stated that without capital investment in existing water and sewer systems, the future would be uncertain and service would not be sustainable at the current level of service.

"Rates were kept lower than they should be," said Terrence Williams, general manager at the meeting. He added a lot of decisions were made in the past to support growth. He said he had been working to pull grant funding to keep rates as low as possible, adding that the district had never received any grant funding whatsoever before he started.

Williams also said the Humboldt Bay Municipal Water District is charging more for water than what they're proposing to charge ratepayers. The rate study noted sewer treatment costs from Eureka and increases in operating and improvement costs have also caused the increase. The board voted to modify sewer and water rates, with Gardiner and Matteoli dissenting. The rate will be reanalyzed next May, considering any grant funding the district might have received by then.

### **New connections**

The board also voted to increase costs for new connections to the district that would take effect after 60 days. Williams said this would raise over a million dollars for the sewer fund over the next 10 years, and over \$600,000 for water.

Earlier, Ryan said the way she saw it, working folks were subsidizing the rates of developers because the HCSD of the past has kept the price of the connections lower than what it costs the city. Heidi Benzonelli, president of the board, said, "it will increase the cost of building a house (by about \$9,568 for (a) single family residential house with a 5/8-inch to 1-inch meter and standard sewer connection)," in an email.

Gardiner said unlike water and sewer charges, this increase didn't require a public input process.

"If we need homes for our families, where are those people going to stay?" he said, adding that he sees it hurting and stopping the potential for development.

A public commenter involved in protesting the rate increase noted that if someone wants to build a house, she doesn't want to have to pay for the connection.

"Even subsidizing didn't bring in the development some people want," said Hansen, adding that he is absolutely against subsidizing development and increasing everyone's rates to do so.

He said if someone has to make a little less money on the house they built so ratepayers don't have to subsidize them, so be it.

"To try and say that developers don't make money off of this is disingenuous and kind of insulting, really," he said.

Matteoli said at a time that more housing is needed, he would like to see it being built — from single-family homes to larger apartment complexes. He said the increase was too much, which is why he voted against it.

Benzonelli said in an email she appreciated the public participation and encourages people to attend the HCSD board that attends every second and 4fourth Tuesday of the month.

"Kicking the capital improvement can down the road especially when it comes to wastewater only prolongs the problem until it becomes an expensive emergency with not only financial, environmental but also legal consequences. This is the hardest part of the job, balancing our monthly impact on our ratepayer's pockets while providing quality service and taking care of what we have," she said in an email.

HCSD serves a population of 20,000 people in the Eureka area, especially outside of the incorporated city. HCSO operates a wastewater collection system with treatment to Eureka. HCSD owns 32% of the city's treatment plant capacity.

The Eureka wastewater treatment plant is facing upgrades that will cost over \$100 million dollars. It has been cited by the Water Quality Control Board after a Eureka report found not all of the treated effluent leaves the bay.

*Sage Alexander can be reached at 707-441-0504.*

NPR

# How climate change could cause a home insurance meltdown

July 22, 2023 6:00 AM ET

By Michael Copley, Rebecca Hersher, Nathan Rott



A row of mailboxes tagged with evacuation notices during the Oak Fire in Mariposa, Calif., in July 2022. Many residents in the area are losing their home insurance because of rising wildfire risk.

*David Odisho/Bloomberg via Getty Images*

Big wildfires had started burning more often in California, creeping closer to Beth Pratt's home near Yosemite National Park. So Pratt did what homeowners in fire-prone areas are supposed to do: She added a metal roof, traded wood decking for laminate, installed a water tank and a fire hose, and cleared vegetation near her house. Pratt says she emptied her savings to make her "home for life" fire resistant.

But it didn't matter. Earlier this month, Pratt got a letter from Allstate, her home insurer of 31 years, saying her coverage was being dropped because of the threat from wildfires. "I get companies need to make money. I have no problem with that. Increase my rate," Pratt says. "But to just drop people — you know, it's scary. It leaves us feeling extremely vulnerable."



Beth Pratt stands outside her home near Yosemite National Park. Pratt added a metal roof, traded wood decking for laminate, installed a water tank and a fire hose, and cleared vegetation near the house to make it fire resistant. Despite this, her insurance carrier dropped her because of wildfire risk.

*Beth Pratt*

Pratt, like hundreds of thousands of other homeowners in California, now faces the state's growing climate threats with a weaker safety net. Over the past two years, several big insurers, including Allstate and State Farm, have scaled back their home insurance businesses in California to avoid paying billions for wildfire damage, or have halted sales of new policies altogether. Homeowners like Pratt are finding out that their longtime insurers have decided not to renew coverage. California isn't alone. Insurance companies in states like Colorado, Louisiana and Florida are paring down business to shield themselves from ballooning losses as climate change fuels more-intense



disasters. Earlier this month, the insurance arm of AAA announced it would not renew some "higher exposure" home insurance policies in Florida, and Farmers Insurance announced it will stop offering new home insurance policies in the state and won't renew thousands of existing ones, in part because of rising losses from hurricanes.



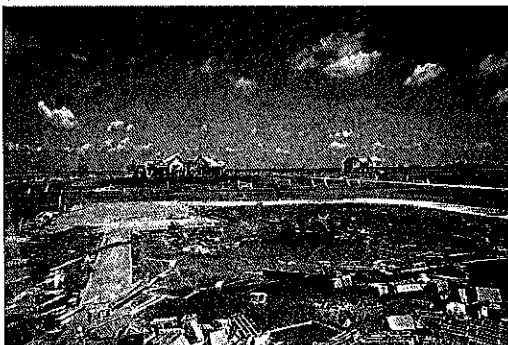
A structure burns during the Oak Fire in Mariposa County last July.  
*David Odisho/Bloomberg via Getty Images*

Nationwide, millions of homeowners are having to find different kinds of coverage, which typically come at a higher price with less protection.

If people can't get insurance, they can't get mortgages. And families who don't have adequate home insurance often struggle after disasters. Some have to move because they can't pay to repair their homes, or else they suffer long-term damage to their finances.

Several factors have converged to make adequate, reasonably priced home insurance harder to get. State agencies regulate the insurance industry, and they are trying to keep rates low for residents, even as weather gets more extreme from global warming. As a result, insurers say they can't increase rates enough to cover the damage occurring in the riskiest places.

Meanwhile, the cost of disasters keeps going up. People continue moving to coastal regions vulnerable to hurricanes and to rural, forested areas around the country that are prone to wildfires. When homes get destroyed, inflation is making it more expensive to rebuild. All the while, the rising temperatures driving disasters are caused primarily by burning fossil fuels that insurance companies themselves continue to underwrite and invest in.



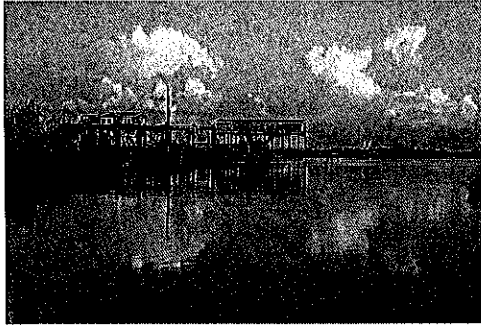
Southwest Louisiana's Cameron Parish was badly damaged by Hurricane Laura in 2020. The state is grappling with a home insurance crisis in the wake of repeated climate-driven storms.  
*Ryan Kellman/NPR*

The United States is "marching steadily towards an uninsurable future," says Dave Jones, a law professor at the University of California, Berkeley and the state's former insurance commissioner.

Allstate wouldn't comment on Pratt's case.

The shrinking of home insurance options comes at a time when most American families have little in savings, and many can't get a loan to repair a house that's damaged or destroyed. So, when people can't get home insurance, or have inadequate coverage, the consequences can be profound.

"That impacts real estate, it impacts construction, it impacts lending. It's just ingrained with everything," says David Marlett, managing director of the Brantley Risk & Insurance Center at Appalachian State University. "Just as a human being, if you want to be able to stay where you live or where your job is or where your kids go to school, you want to be able to rebuild your house, you have to have a solvent insurance company that provides good coverage so that you can rebuild."



Some residents in coastal areas such as Cameron Parish, La., have raised their homes and taken other measures to make them more resilient to hurricanes. But mounting damages have led many home insurance companies to stop offering insurance policies in high-risk areas, or to even pull out of entire coastal states.

*Ryan Kellman/NPR*

## **This crisis has been a long time in the making**

American insurers already have a history of cutting back coverage in the face of disasters. The first big rupture in the U.S. insurance market happened decades ago when most companies stopped covering flooding.

Companies decided flooding was "uninsurable," says Don Hornstein, a professor at the University of North Carolina School of Law. That's because it's complicated to figure out which places will flood and how often those floods will occur. "They didn't have maps or statistical basis to calculate what the premiums could be, which is the bread and butter of insurance, and partly because, I think, of an intuition — probably true — that if they could figure it out, no one would be able to afford it."

ACWA NEWS Volume 51 July 21, 2023

Two Bills Targeting Water Rights Fail to Advance, Third Bill Amended As the Legislature begins its summer recess, ACWA staff continue to track, monitor and advocate in relation to several bills of interest to member agencies. This year, ACWA is engaging on several consequential bills affecting water rights and streamlining the permitting process for infrastructure projects.

The following summaries outline the latest developments on these two high priority legislative issues.

### **Water Rights**

**AB 460**, introduced by the Assembly Water, Parks, and Wildlife Committee Chair Rebecca Bauer-Kahan (D-Orinda), failed to advance out of the Senate Natural Resources and Water Committee June 27 and is now a two-year bill. AB 460 would have authorized the State Water Resources Control Board to issue interim relief orders against water diverters and users. The State Water Board would have been able to issue interim relief orders to force compliance with a broad set of standards, including to enforce the reasonable use doctrine of Article X, Section 2 of the California Constitution, water quality standards, and more. The bill would have required the State Water Board to provide the water right holder subject to the interim relief order with a hearing prior to issuing the order – unless the Board found that immediate compliance was necessary to prevent imminent or irreparable injury to other legal users of water, or to instream beneficial uses, in which case no hearing would have been required.

ACWA and a coalition of more than 110 organizations actively lobbied against the bill up to the evening before the committee hearing. Shortly before the hearing was set to begin, Bauer-Kahan pulled the bill from the agenda. The author has stated publicly that she intends to work with the opposition over the fall and bring the bill back next year.

AB 460 was intended to respond to an incident on the Shasta River last August where a group of ranchers diverted water in violation of a curtailment order. ACWA and others agree that more could be done to deter illegal diversions, such as increasing fines. However, AB 460 went far beyond what was necessary to prevent this illegal activity.

ACWA intends to work with the author to, hopefully, find a mutually agreeable approach.

**AB 1337**, authored by Assembly Member Buffy Wicks (D-Oakland), failed to advance out of the Senate Natural Resources and Water Committee on July 10 and is now a two-year bill.

ACWA has held an oppose position based on major concerns with the impact that this bill would have on the reliability of existing water rights. The version of the bill that passed the Assembly would have significantly expanded the State Water Board's authority to curtail water rights. Under existing law, the State Water Board only has the authority to issue curtailments in certain emergency drought years. AB 1337 would have allowed the State Water Board to issue curtailments in any water year, which would essentially result in an overhaul of water management in California.

Days before the bill was set to be heard in the Senate Natural Resources and Water Committee, the author announced her intention to significantly amend the bill. ACWA and others in opposition to the bill

actively lobbied legislators to convey why the proposed amendments did not address ACWA's concerns. Ultimately, the bill was pulled from the hearing.

**SB 389**, authored by Senator Ben Allen (D-Santa Monica), was substantively amended on July 6 and passed out of the Assembly Water, Parks, and Wildlife Committee on July 11. The amendments addressed many of the concerns previously raised by the opposition. On July 14, ACWA's State Legislative Committee moved to a watch position on the bill.

ACWA has been actively negotiating with the bill's author on amendments to SB 389. ACWA and others have been successful in obtaining significant amendments that removed the most concerning aspects of the bill. The current version of the bill would authorize the State Water Board to issue "information orders" to water right holders, particularly those with senior water rights. The intent of the bill is to allow the State Water Board to obtain information demonstrating the validity and scope of senior water rights.

# McKinleyville new water storage tank set to be critical in firefighting use for the city

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by Marion Rodriguez

Wed, July 19th 2023, 10:09 AM PDT

McKinleyville, Calif. — The town of McKinleyville is breaking ground on a new water storage tank on Wednesday, July 19.

The new 4.5-million-gallon tank is planned to be a critical hazard mitigation tool for the town and around Humboldt County. The extra water storage is dedicated for consumption and firefighting on a daily basis, as well as in the event of a large earthquake or wildfire.

Coordination between Humboldt Bay Municipal water district and the City of Arcata will additionally allow this tank to back feed the City of Arcata water system if needed.

According to a press release by the McKinleyville Community Services District it is being funded largely by grants including a \$9,617,085 grant from the Federal Emergency Management Agency, and the California Office of Emergency Services, Hazard Mitigation Grant program. Additionally, supplemented by a \$879,209 North Coast Resource Partnership, and Proposition 1 Round 2 grant, funded by the Department of Water Resources.



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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### GENERAL MANAGER

JOHN FRIEDENBACH

July 18, 2023

Brooke Entsminger, EMT-P  
Southern Trinity Area Rescue  
321 Van Duzen Road  
Bridgeville CA 95526

Re: Financial Support Request

Dear Brooke,

I am pleased to inform you that our board of directors has authorized a \$1,000 donation to STAR in support of your services around Ruth Lake. As you know, HBMWD has three employees who are dam tenders at our R. W. Matthews dam and we periodically send our maintenance crew up to Ruth to service and maintain our facilities. We appreciate and value the services that STAR provides to our community in Southern Trinity County, especially around Ruth Lake.

Enclosed is our check number 51971 in the amount of \$1,000 to support your operations around Ruth Lake.

Respectfully,

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

John Friedenbach  
General Manager



The Blue Mountain Electric Company (“BMEC”) forest biomass plant is a planned 3MW BioMAT facility being developed in Wilseyville, California. Strategically located in one of the most fire threatened regions of the Central Sierra, the concept for the project was created in a series of community meetings begun over fourteen years ago and was long led by the Calaveras Healthy Impact Product Solutions (CHIPS), a local 501c3.



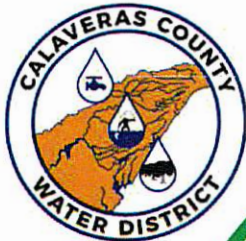
***The project is now shovel-ready. We have begun limited site clearance work and hope to complete financing before year-end.*** The plant will use an advanced gasification technology to produce clean hydrogen-rich syngas from forest waste. Fuel will come from the surrounding National Forests as well as fire salvage from the Caldor fire. The plant will process approximately 26,000 tons of logs and chips each year. It will also create 14 sustainable jobs in Wilseyville, a Severely Disadvantaged Community hard hit by the closure of its lumber mill as well as the Butte fire.

The project site is located at 13 Blizzard Mine road at 2,600 feet of elevation. Located in between the Eldorado and Stanislaus National Forests, the project is uniquely situated in the middle of a vast ocean of forestry fuel which has been significantly impacted by the tree mortality crisis and recent wildfires. The USFS has made this one of their 10 priority landscapes. The biomass from these forests will be converted to biochar, which sequesters carbon for centuries. Biochar is used in agriculture and filtration products among others.



Once operational, BMEC will create new rural jobs, reduce the risk of catastrophic wildfire, and improve regional air quality through the reduction of open burning of forestry residues. This will make our Sierra communities more resilient and thriving.

*\*Using a gasification system like Phoenix’s North Fork project pictured here, residual biomass from fuels reduction and forest health projects will be converted into **carbon negative** electricity and biochar.*



Renewable electricity

Biochar for H<sub>2</sub>O filtration and odor control

Renewable electricity

Fleet Electrification

Biosolids (fuel <1%)

Excess Biomass fuels ~99% of biomass plant

Recycled water

Wastewater

West Point

POP 746 ELEV 2,790

Wilseyville

POP 413 ELEV 2,769

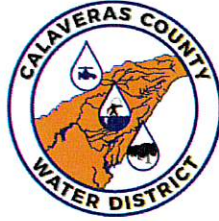


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Removal of excess biomass reduces wildfire risks and improves watershed health





### Strong Federal, State Partners and local Partners

As a recognition of the vital importance of the Blue Mountain project in reducing catastrophic wildfire risk and revitalizing mountain communities, BMEC has received nearly \$4 million dollars in direct grant and loan assistance from several agencies of the State and Federal government. Over one million more were expended by the Project's community sponsor, CHIPS, over the years in preparing the ideation, planning and initial development of the project.



### A Carbon Negative Process

Phoenix Energy has been selling biochar as a product in water filtration and to improve the water holding capacity of agricultural soils for over a decade now from its original California installations. While COVID has significantly increased the cost of the project and the Federal Reserve's interest rate hikes have increased the cost of financing, the appearance of saleable carbon credits on the scene has strengthened the project's business case. Based on the carbon negativity of the entire process and the protocols to recognize this for our biochar co-product, we now have approximately 6,000 MTCO<sub>2</sub>e verifiable emissions reduction credits that the project can sell. At present we estimate that these are worth nearly \$600,000 per year.



### Circular Economy squared

BMEC is collocated with the Calaveras County Water District's wastewater treatment plant for the towns of Wilseyville and West Point. We are continuing to deepen our cooperation with CCWD and will now be able to run nearly our entire operation with 100% reclaimed water from the treatment plant! Industrial cooling towers will be run from treated wastewater effluent rather than tap water. sourced from the nearby wild and scenic Mokelumne River.

Additionally, CCWD can electrify its fleet and power its infrastructure using 100% forest power, which helps insulate CCWD's ratepayers in this severely disadvantaged community from increasing power costs at their facilities. The biomass plant will also convert biosolids from several CCWD wastewater facilities to electricity. CCWD currently has to truck these biosolids to a landfill 90 miles away for disposal. Finally, by hardening the surrounding area with improved forest stewardship we help improve the watershed and ensure a resilient community in the face of climate change and wildfire.

Beyond the Blue Mountain project, A CCWD partnership with Phoenix Energy would strive to co-locate and directly connect planned community-scale biomass plants with existing community-scale water treatment plants, providing mutual benefits to both systems (power-water exchange) and to disadvantaged communities across the Sierra Nevada foothills, a region that has struggled to bounce back from the decline of California's timber industry in the 1980s.

## Not quite toilet to tap Cal Matters August 1, 2023



A water quality technician at the Pure Water Southern California Demonstration Plant in Carson, on July 28, 2023. Photo by Lauren Justice for CalMatters

If the state's Water Resources Control Board ends up adopting policies it drafted last month, California residents could be drinking highly purified sewage water as early as next spring.

But before you do a spit-take, the proposed rules aren't as dirty as you think, writes CalMatters' water policy reporter Rachel Becker.

The state has already been using recycled water for more than 60 years, though the water must pass through a reservoir or an aquifer before it's piped to taps. But under the new proposals, which have been in development for over a decade, wastewater can flow to taps or mixed with raw water upstream of a drinking water treatment plant after undergoing extensive treatment.

As we all know, the water that whirls down toilets and sinks, or flows out of industrial facilities and farm fields, is crawling with germs. "Forever chemicals" and drugs excreted in urine also contaminate sewage water.

But before it reaches a water fountain or tap, the wastewater will have been treated to remove its chemicals and pathogens — including additional processes introduced by the new regulation. The water will be digested by bacteria and microbes, filtered through carbon and cleansed with hydrogen peroxide and UV light, among several other steps. After all that, the water will go through all the typical filtering processes at treatment plants.

- **Darrin Polhemus**, California's Division of Drinking Water deputy director: "Quite honestly, it'll be the cleanest drinking water around."

Most of the concerns aren't about the water's cleanliness, but rather how expensive and labor intensive the process will be. It's why most treated sewage in California is released into rivers, streams and the deep ocean instead.

There will be a period for public comment and a panel of experts must review the rules before they go before the water board for a vote as early as the end of December. If adopted, they would likely go into effect next April.

## **NBC: California town's residents told to boil water for 10th straight day due to E. coli outbreak**

The notice began on July 12.

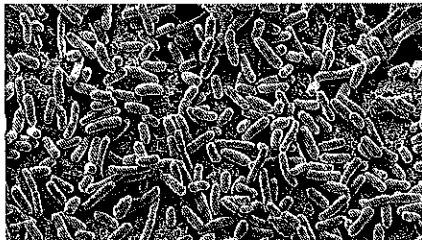
By Nadine El-Bawab July 21, 2023,

What is E. Coli?

Escherichia coli, or E. Coli, is a large group of bacteria with multiple strains.

A boil water advisory has dragged into its 10th day in a California town where E. coli was found in drinking water. Burney residents are advised to use only boiled tap water or bottled drinking water for drinking and cooking, according to the Burney Water District. The notice has been in effect since July 12. Burney is a popular tourist town in Northern California, and the location of the renowned Burney Falls.

The district said it is using chlorine to disinfect the water system and will be monitoring for chlorine residuals. The district said it began flushing the chlorine from the system on Monday and Tuesday and will begin testing for the E. coli and total coliform, another form of bacteria, over two different days.



In this undated file photo, a scanning electron micrograph of E.coli bacteria is shown. Science Photo Library via Getty Images, FILE

The Burney Water District said it added sodium hypochlorite to the water storage tanks and injection points at the district wells last week to disinfect the water distribution system. After state drinking water regulators review the information collected as part of flushing out the system, new samples will be collected to test for E. coli and total coliform. The state will then review the test results to determine whether to lift the boil water advisory.

Symptoms of an E. coli infection include severe stomach cramps, diarrhea (often bloody) and vomiting, according for the Centers for Disease Control and Prevention. Some people may have a fever, which usually is not very high and most people get better within five to seven days.

Some infections are very mild, but others are severe or even life-threatening, according to the CDC.

A representative for the water district said they are working on resolving the issue but are not aware when the notice will be lifted.

## DOWNEY BRAND: OEHHA Releases Second Public Review Draft of Public Health Goals for PFOA and PFOS in Drinking Water

Environmental Law July 21, 2023

After two years, late last week the Office of Environmental Health Hazard Assessment (OEHHA) released its Second Public Review Draft of proposed public health goals (PHGs) for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) in drinking water. OEHHA has been working on the PHGs since 2019, and the release of the second draft is another significant regulatory development for water purveyors and municipalities providing other related services such as wastewater treatment because PHGs are used to create enforceable drinking water standards and remediation goals for groundwater contamination. The deadline to submit written comments on OEHHA's Second Public Review Draft is August 14, 2023.

A PHG is the concentration of a contaminant in drinking water that is estimated to pose no significant health risk to individuals consuming the water on a daily basis over a lifetime. Although PHGs are not regulatory standards, development of a PHG is an important step in the process to establish a maximum contaminant level (MCL), a regulatory standard for drinking water that a public water system must comply with and can be used as a groundwater remediation goal for contamination. The State Water Resources Control Board (State Water Board) must set drinking water standards as close to the applicable PHG as is economically and technologically feasible.

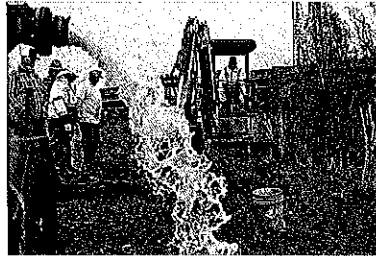
As we previously reported, OEHHA issued its first public review draft in July 2021. OEHHA's first draft underwent an initial round of public comments, as well as external peer review. Notably, however, OEHHA's underlying technical support document for the second draft proposes the exact same PHG for PFOA and PFOS as its first draft. Specifically, OEHHA continues to propose a PHG for PFOA at 0.007 parts per trillion (ppt) (based on kidney cancer in humans) and PFOS at 1 ppt (based on liver and pancreatic tumors in laboratory animals). For comparison, the State Water Board's current drinking water notification level for PFOA is 5.1 ppt and PFOS is 6.5 ppt. The draft document released by OEHHA presents the PHGs for PFOA and PFOS based on the most sensitive health effects, including consideration of sensitive populations (e.g., infants and children).

Earlier this year, the U.S. Environmental Protection Agency (USEPA) announced a proposed rulemaking that would establish legally enforceable federal primary MCLs for six per- and polyfluoroalkyl substance (PFAS) compounds in drinking water. In addition to MCLs for PFOA and PFOS, USEPA proposed to establish MCLs for perfluorononanoic acid (PFNA), hexafluoropropylene oxide dimer acid (HFPO-DA, commonly known as GenX Chemicals), perfluorohexane sulfonic acid (PFHxS), and perfluorobutane sulfonic acid (PFBS). Under the proposed rule, PFOA and PFOS would be treated as individual contaminants, both with primary federal MCLs set at 4.0 ppt.

Importantly, if a state does not have PFAS-related drinking water standards in-line with USEPA's final rule, the state will, at a minimum, be required to establish new regulations to conform to USEPA's standards. USEPA is expected to finalize its rulemaking before the end of this calendar year. Accordingly, and assuming USEPA adopts MCLs for PFOA and PFOS as proposed, the State Water Board will need to consider 4.0 ppt as the federal baseline in establishing any California-based MCL for PFOA and PFOS. Alternatively, the State Water Board could decide to forego adopting its own, more stringent MCLs for PFOA and PFOS altogether, and adopt the eventual federal standards. Perhaps more important, the State Water Board is in a rulemaking predicament because USEPA's proposed rulemaking is intended to create not only MCLs for PFOA and PFOS but also PFNA, GenX Chemicals, PFHxS, and PFBS. Because OEHHA's current development of PHGs is limited to PFOA and PFOS only, the State Water Board and OEHHA will need to decide whether to initiate an additional rulemaking to adopt their own more stringent standards for the other PFAS compounds. Downey Brand LLP is closely monitoring the status of the draft PHGs through and beyond the current public comment period (August 14, 2023).

### States lose federal water funds as lawmakers redirect money to pet projects

Democrats and Republicans alike increasingly have redirected money to their states and districts using a legislative tool known as earmarks — a practice that, combined with newly proposed GOP spending cuts, could decimate states. By Tony Romm July 24, 2023 at 6:00 a.m. ED



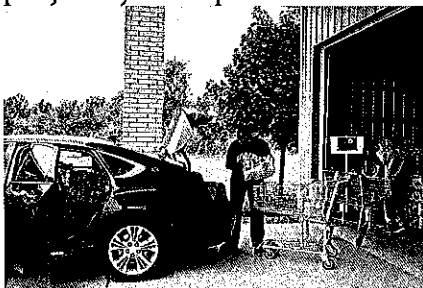
Water is redirected from a water main break in Jackson, Miss., last December. The nation's water infrastructure is in need of repair and investment. But members of Congress are able to direct water funding to their own districts using earmarks, even if other communities might have more pressing needs. (Joshua Lott/The Washington Post)

Members of Congress have redirected roughly \$2.3 billion in federal water funds toward political pet projects over the past two years, cutting at times into the money that could have been made available for poorer, needier communities.

As a result, 38 states and territories have been shortchanged about \$660 million in federal water aid, according to data obtained and analyzed by The Washington Post, illustrating how the system often has rewarded politically well-connected lawmakers in some of the wealthiest areas nationwide.

The problem is expected to worsen in the coming fiscal year, as House Republicans eye a \$1.7 billion cut to the overall funding that Washington sends states for their water needs. That could complicate a new national push to replace lead pipes, repair wastewater facilities and improve other aging infrastructure — an urgent task at a moment when the United States is grappling with extreme heat and other consequences of a fast-warming planet.

Every year, Congress appropriates money for two key federal water funds that are overseen by the Environmental Protection Agency, which then distributes grants to states. Since 2022, the federal allocation has totaled roughly \$5.5 billion, amounting to a literal and figurative drop in the bucket for a nation with an estimated \$625 billion backlog in projects just to provide cleaner, reliable drinking water.



Diana Wiley Washington, 58, works with her daughter to load bottled water to be delivered to seniors in Flint, Mich., in August 2021. The city's contaminated water supply was a wake-up call for many Americans. (Brittany Greeson for The Washington Post)

Before states receive any money, however, members of Congress can skim off the top of the funds. Using a legislative tool known as earmarks, lawmakers can reserve federal water aid

for specific projects in their home communities. Only after that does Washington divvy up and distribute a smaller pool of remaining cash among the states. In some parts of the country, the result of that congressional meddling is a net cut in funding — creating, in effect, a system of water winners and losers.

In Illinois, for example, earmarks last year shortchanged the state \$14.7 million in federal aid to improve clean water systems, according to state data and records compiled by the Council of Infrastructure Financing Authorities, known as CIFA, which represents local officials. Illinois has some of the greatest water needs in the country, including the second-most lead pipes in the United States, a recent federal analysis shows.

The flood of congressional requests also siphoned away critical water money from Puerto Rico, even as the U.S. territory continued to rebuild from the devastation of Hurricane Fiona in 2022. Over the past two fiscal years, Puerto Rico received roughly \$26.6 million less than it would have without earmarks, according to CIFA data shared with The Post. The territory — whose officials did not respond to a request for comment — does not have voting representation in Congress.

For now, most states and territories have still been able to finance their water projects, thanks to a bipartisan 2021 infrastructure law that greatly increased federal water spending for five years. Eventually, though, that money will run out — leaving local officials with fewer federal dollars to address infrastructure needs.

The fiscal situation could worsen more rapidly under a bill advanced by House Republicans last week: The measure would slash federal water spending by more than half and reserve nearly every dollar remaining for earmarks — creating a combination of fiscal constraints next year that state officials have described as devastating.

States “are worried about this trend, the direction that it’s going,” said Gary Bingenheimer, a top official at the Illinois Environmental Protection Agency. “But if it continues, and our grants continue to be reduced, and the bipartisan infrastructure law money ends, then what do we do?”

**A water earmark windfall** With each passing year, Democrats and Republicans have redirected an increasing amount of water spending to their own preferred projects, cutting into the money that states could use as they see fit.

State  
awards  
Earmarks  
FY 2021

2.77B

FY 2022

1.92B

FY 2023

1.29B

FY 2024

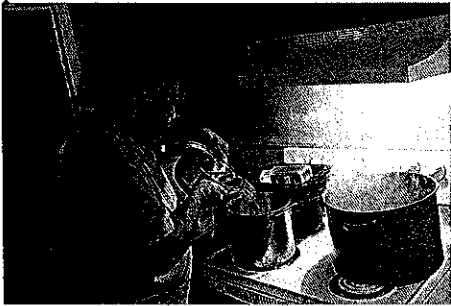
1.15M

FY 2024 is tentative; does not include the Senate

For many Americans, the nation's water needs are laid bare in its harrowing past tales of failures — from the lead contamination that long has plagued Flint, Mich., to the recent images of brown liquid flowing from spigots in cities such as Jackson, Miss. The stories share a theme of persistent neglect, exacerbated in a country that only recently has grappled with economic shortcomings that trace along lines of race and class.

After decades of underinvestment, Congress in 2021 offered a massive financial reprieve: Democrats and Republicans approved roughly \$55 billion to improve water access, supply and treatment as part of a sprawling infrastructure package signed into law by President Biden. The measure channeled most of that money through two federal programs that annually write checks to states — one focused on drinking water, the other focused on clean water, which includes wastewater systems.

Yet the burst of one-time funding — on top of other state and federal spending — still fell far short of the country's estimated needs. The infrastructure law included about \$15 billion specifically to replace lead pipes, for example, though analyses from groups including the Brookings Institution suggest it could cost three times as much to solve the problem.



Charles Wilson III boils water in his kitchen in Jackson, Miss., to use for his son's bath last December. (Joshua Lott/The Washington Post)

"There continues to be a huge gap between the funding and the need," said Jeffrey Diehl, chief executive of the Rhode Island Infrastructure Bank.

The result is a vast and growing water spending gap, one that has created a yearly competition among lawmakers for still-scarce funds.

Since 2022, California has reaped a windfall in federal water spending: The state's two Democratic senators — Dianne Feinstein and Alex Padilla — last year helped secure more than \$32 million in water-related earmarks, according to a Post analysis of spending data. In total, those and other earmarks helped the state obtain roughly \$43 million more than it would have if lawmakers had not intervened last year, an analysis from CIFA shows.

Diana Marin, a spokeswoman for Padilla, said in a statement that the earmarks reflected the senator's ongoing work "to address decades of underinvestment and the needs of the 40 million Californians he represents — including nearly one million who are without access to safe drinking water."

The same dynamic played out in Alaska, which saw a roughly \$73 million boost to its water funding over the past two years thanks to the combination of direct federal funding and congressional earmarks. Most of the increase was attributable to earmarks sponsored by Republican Sen. Lisa Murkowski, a veteran lawmaker who serves as a top appropriator in the chamber, according to spending records.

In an interview, Murkowski said she had labored “aggressively” to secure that money because Alaska has had “significant unmet needs for decades now, and didn’t receive the resources” under the formula that normally awards water aid.

“Some would look at last year’s accounts for Alaska and say, ‘That’s rather eye-popping; it seems out of line given Alaska’s population,’” she said. “But what far too many people fail to recognize in my state [is] we’re not repairing existing infrastructure, we’re not replacing, we’re putting in water and sanitation for the first time.”

Nationally, lawmakers secured more than \$1.4 billion in clean water and drinking water earmarks in the most recent fiscal year, nearly double the amount in 2022. But for every state that saw significant funding gains, others experienced surprising losses.

House GOP seeks billions in cuts to rail, water infrastructure spending



Workers put together pipe sections to drain a flooded catch basin in Alexandria, Va., in August 2021. (Michael S. Williamson/The Washington Post)

In Colorado, the first sign of trouble surfaced in 2022: Keith McLaughlin, executive director of the Colorado Water Resources and Power Development Authority, said he “came close to running out of loan money” to fund projects. In that first year Congress allowed earmarks, the state’s delegation did not take home enough aid to make up for what Colorado lost to other states, putting local officials in a place where “we almost had more requests than we had dollars available,” according to McLaughlin.

The state’s shortfall ultimately totaled about \$20 million, he said. While its immediate effects may have been blunted by one-time aid under the infrastructure law, McLaughlin added that Colorado could be in dire financial straits if the trend continues at its current pace.

“There are more projects than we can fund,” he said. “We’re within a year or two of running out of loan funds. That is an issue.”

Over the past two fiscal years, Pennsylvania similarly received about \$36 million less than it would have received if lawmakers had not allowed earmarks. For Indiana, the cut totaled roughly \$45 million; in Texas, the reduction exceeded \$65 million. Each of the states declined or did not respond to requests for comment.

For some states, though, the headaches have been more than financial in nature: The congressional earmarks appear to benefit wealthy communities over needier ones, raising the specter that the process could be worsening the country’s racial and economic divides. In states such as Maryland, Massachusetts and Virginia, fewer than 20 percent of congressional water earmarks in the 2023 fiscal year went to communities that are considered disadvantaged, according to an analysis circulated within the Biden administration and later obtained by The Post. Members of Congress decided where to send those dollars, not state officials, who might have directed them to areas in greater need.



**Water winners and losers**

Many lawmakers' water-related earmarks did not benefit communities considered disadvantaged under the guidelines developed by the Biden administration.

Percent of earmark funds to communities considered disadvantaged

10% 20% 40% 50% 70%



Some states did not receive earmarks in 2023

Source: Internal Biden administration analysis, obtained by the Washington Post

The unpublished federal study aimed to explore whether earmarks had comported with an executive order signed by Biden in 2021 that aims to deliver 40 percent of all federal benefit programs to cities and towns in greatest need. In total, it found that earmarks in 18 states last year failed to meet that benchmark, depriving disadvantaged communities of an estimated \$79 million in water aid.

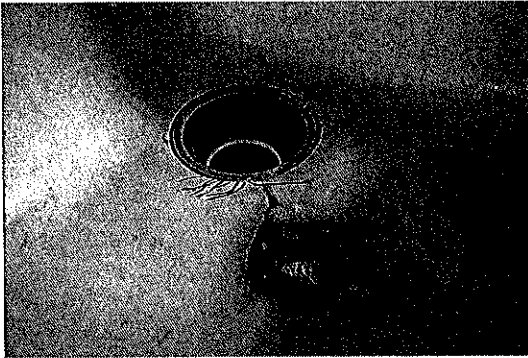
The White House goal does not apply to the money authorized by Congress. Many states also set their own definition for what qualifies as “disadvantaged,” marking a break with the Biden administration’s view. Still, experts said the finding illustrates the unintended consequences of the earmarking practice, which removes the decision from the hands of state leaders or federal agencies.

“The earmarks basically are taking the money away from low-income communities that really need the funding most to fix their drinking water — and putting it into wealthier communities, that often are White communities, that don’t need the money as much,” said Erik Olson, the senior strategic director for health and food at the Natural Resources Defense Council.

The EPA declined multiple requests for comment.

The congressional earmarks also took the form of grants, even though states typically provide such money in the form of loans, offering exceptions for the neediest applicants. That, in effect, allowed wealthier communities to receive support under better financial terms than they otherwise would have, according to Timothy Male, executive director of the Environmental Policy Innovation Center.

Raising the issue in a March letter to the Biden administration, Male estimated that 200 congressional earmarks in 2023 aided communities “wealthier than the statewide average income.” Those cities and towns, according to EPIC, “would have been eligible for loans, but not grants,” if Congress had not interfered.



A sink at the home of Gabrielle Hill in Newburgh, N.Y., in April 2021. Many pipes in the city had traces of lead, which poisoned people including Hill's daughter, Ragi. (Hilary Swift for The Washington Post)

The beneficiaries included the city of Bellaire, Tex., just outside Houston, which scored \$2.4 million to replace its water lines last year. With an average household income exceeding \$200,000 annually, Bellaire normally might have had to take a loan. Instead, it received a federal grant, thanks to Democratic Rep. Lizzie Fletcher.

Clarissa Robles, a spokeswoman for Fletcher, said in a statement that it is "important to our constituents to have the ability to advocate for their needs and receive funds directly."

In an interview, Male noted that such earmarks are legal. "It may be unfair, but it's an elected representative's prerogative," he said, adding: "Millions of dollars are going to communities that are very, very wealthy."

Entering the coming fiscal year, earmarks are expected to surge again: Lawmakers this spring requested more money than is likely to be available in the program. A key water-related spending bill in the GOP-controlled House would earmark about 88 percent of these funds in 2024, while slashing overall spending by \$1.7 billion. The Senate plans to consider its own legislation this week.

At an early hearing on the bill, House Democrats lambasted the GOP approach, arguing that cuts could damage work nationally to upgrade the country's infrastructure and respond to climate change.

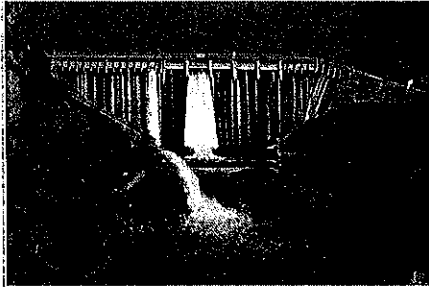
"These are not numbers on a page," said Rep. Rosa L. DeLauro (Conn.), the top Democrat on the House Appropriations Committee. "These are basic life necessities that we have a simple obligation to protect for the American people."

Republican aides say the cuts won't be damaging, because the 2021 infrastructure law still provides states with additional water funding. If the bill becomes law, though, CIFA predicts that 43 states would each receive less than \$1 million in drinking water aid to use as they see fit — a staggering drop some states say they can't afford.

In Colorado, McLaughlin offered an ominous warning as he expressed dismay with the expected uptick in earmarks and the potential cut in spending.

"We're really close to having to make some tough decisions on projects," he said, "and tell people no."

## Sonoma County's water supply on the line: the implications of PG&E's spin-off proposal



Scott Dam. PG&E photo. **ROGER CORYELL**

THE SONOMA COUNTY GAZETTE July 21, 2023, 11:46AM

PG&E's proposal to reduce the flow of the Russian River and transfer the Potter Valley Project to a spin-off, Pacific Generation, has raised concerns about the potential consequences for life in Sonoma County. The company aims to decrease the river's flow from 75 cubic feet per second to 25, possibly as low as five. This decision comes from the realization that Scott Dam, a component of the Potter Valley Project, is more susceptible to earthquakes than previously believed. The objective is also to safeguard the salmon population, which relies on cold water.

Beyond the ecological implications, the East Fork of the Russian River, which relies on water from Lake Pillsbury, plays a crucial role in local fisheries and serves as a water source for the entire community. The Potter Valley Irrigation District, which holds a contract with PG&E for up to 50 cubic feet per second, could be affected, although PG&E's current proposal does not address this concern explicitly.

Sonoma Water, responsible for Sonoma County's drinking water, is heavily reliant on Lake Mendocino for its water supply and is grappling with the challenge of maintaining water flow without these dams.

Sonoma Water's General Manager, Grant Davis, describes a plan known as the "two basin solution." Davis explains, "We are actively pursuing funding from the state and collaborating with the Department of Water Resources to explore up to three alternative options. These alternatives would allow for continued water diversion from the Eel River to the Russian River while facilitating upstream and downstream fish passage." Experts are assessing the most effective approach to establishing a new facility on the Eel River.

However, there is a complicating factor. PG&E intends to transfer its non-nuclear generating assets, including the Potter Valley Project, to Pacific Generation. This proposed transfer could impede or disrupt the decommissioning process, increasing environmental and safety risks.

Davis closely monitors the situation, noting, "PG&E is currently undergoing a FERC surrender process, and they will not take any action that might hinder that process." In July of last year, the Federal Energy Regulatory Commission (FERC) granted PG&E a 30-month

period to submit a surrender application and decommissioning plan for the Potter Valley Project. With a deadline set for Jan. 2025, time is of the essence.

PG&E intends to dismantle Scott Dam and Cape Horn Dam. The estimated cost of this endeavor ranges between \$118 million and \$236 million, a bill that ratepayers will ultimately be responsible for.

The California Hydropower Reform Coalition has expressed dissatisfaction with the proposed spin-off, as it would constitute the most significant transfer of licenses issued by the Federal Energy Regulatory Commission in California's history. To allow for increased public input, they have requested an additional 30-day period for comment.

The stakes are high. Our water supply, the well-being of the Russian River, the vitality of our fish population, river recreation, and the local tourism industry are all on the line. Ideally, the defunct hydro plant will be replaced by a facility that benefits the fish population while maintaining water flow. However, the potential environmental and safety risks associated with dam decommissioning and the transfer of the Potter Valley Project to Pacific Generation further complicate matters. The public comment period represents an opportunity to voice our opinions on these proposals.

The deadline for submitting comments on PG&E's proposal to reduce flows into the East Fork of the Russian River is Aug. 4. The deadline for commenting on PG&E's proposal to transfer the licenses to its subsidiary, Pacific Generation, is Aug. 12. Comments can be made to the Federal Energy Regulation Commission using the Commission's eFiling system at <http://www.ferc.gov/docs-filing/efiling.asp>. You must include your name and contact information at the end of your comments. Comments may also be sent via U.S. Postal Service must be addressed to: Kimberly D. Bose, Secretary, Federal Energy Regulatory Commission, 888 First Street NE, Room 1A, Washington, DC 20426. Submissions sent via any other carrier must be addressed to: Kimberly D. Bose, Secretary, Federal Energy Regulatory Commission, 12225 Wilkins Avenue, Rockville, Maryland 20852. The first page of any filing should include the docket number P-77-313. Comments emailed to Commission staff are not considered part of the Commission record.

## ***Would You Drink Wastewater? What if It Was Beer?***

In an era of drought, turning treated wastewater into drinking water may be the future. Utility companies are working with breweries to get people past the “ick factor.”

Sonoran Mist Lager is one of two beers that Desert Monks Brewing Company of Gilbert, Ariz., has created using treated wastewater from Scottsdale. Credit... Cassidy Araiza for The New York Times

Claire Fahy reported from Half Moon Bay, Calif., and San Francisco. July 22, 2023

Epic OneWater Brew looks like your classic hipster craft beer.

The can has a sleek design with the silhouette of a city skyline, and it cracks open with a satisfying hiss. The beer, a Kölsch, has a crisp golden hue and a signature fruity taste.

But there is one big difference: It is made with recycled wastewater.

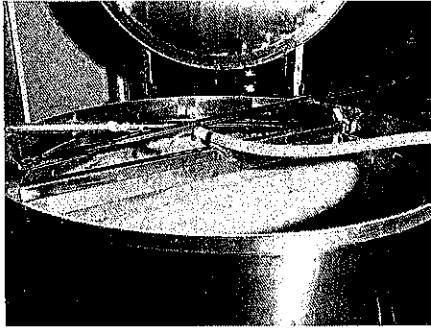
Epic OneWater Brew, the product of a partnership between a wastewater technology start-up and a Bay Area craft brewery, is made with treated shower and laundry water collected from a luxury high-rise apartment building in San Francisco. And it's not the only beer of its kind.

As water sources, particularly in the western United States, dry up from overuse, drought and climate change, supporters of direct potable reuse — the use of treated wastewater in the drinking water supply — are pitching it as part of the solution. Increasingly, they are turning to beer as a way of getting people beyond the “ick factor” that has been a hurdle to its broader acceptance.

If people are reluctant to drink recycled wastewater, the thinking goes, perhaps they could be enticed if it were served in the form of a frosty cold one.

Aaron Tartakovsky, the co-founder and chief executive of Epic Cleantec, the wastewater technology company that worked with Devil's Canyon Brewing Company of San Carlos, Calif., to create Epic OneWater Brew, said he wanted to make the beer to show the “untapped potential” of water reuse.

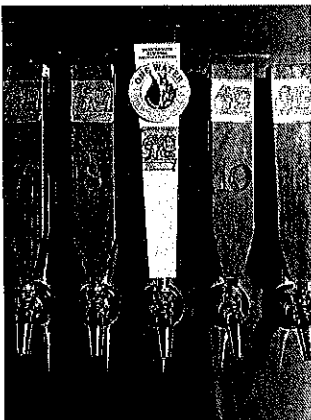
“We live in what we like to call here at Epic a ‘flush-and-forget’ society,” he said. “We have this innate yuck factor when it comes to talking about wastewater, or sewage, and all of these other sort of yuck-factor topics.”



Desert Monks said it planned to introduce a Hefeweizen made with treated wastewater. Credit... Cassidy Araiza for The New York Times

Some Western and Southwestern cities that are struggling to manage the challenges of population growth and strained water supplies have held competitions for craft breweries to produce signature beers using recycled wastewater. California, Idaho and Arizona are among the states that have worked with local breweries to raise awareness of the need for water reuse. Scottsdale, Ariz., which has watered nearly two dozen golf courses with treated wastewater since the 1990s, received a state permit in 2019 allowing for direct potable reuse of its purified recycled water. Scottsdale isn't currently sending that water into the drinking supply, but Brian Biesemeyer, the executive director of Scottsdale Water, said that could change in two or three years. To help the public get their heads around the concept of drinking treated wastewater, Scottsdale Water invited 10 breweries to make beer using water from the city's advanced water treatment plant and serve it at an arts festival in 2019. The beer tents were accompanied by an information booth that explained the recycling process. While people at first went wide-eyed at the prospect of drinking treated wastewater, Mr. Biesemeyer said, many were eager to sample the beers after a tutorial on how clean and safe the treated water is. "We found the beer event to be a fun way to kind of get people over that fear," he said.

Desert Monks Brewing Company of Gilbert, Ariz., which took part in the Scottsdale challenge, has embraced the concept and has brewed two beers with Scottsdale's treated wastewater. Sonoran Mist, a lager, has quickly become the brewery's top seller, and a Hefeweizen will be added to the lineup next month.



The owners of Desert Monks believe the brewery is the first in the country to consistently offer beer made with recycled wastewater on tap. Credit... Cassidy Araiza for The New York Times



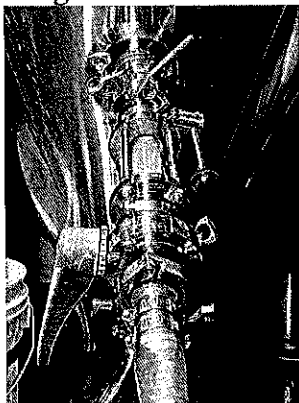
John and Sommer Decker making a batch of beer at Desert Monks Brewing Company. Credit...Cassidy Araiza for The New York Times

Two of the brewery's owners, Sommer Decker and John Decker, believe Desert Monks is the first brewery in the country to consistently offer beer made with recycled wastewater on tap. "We're a small brewery, so being able to get this ultrapurified water from a large-scale entity gave us water that was more purified than we can get from our own systems at this point," Ms. Decker said.

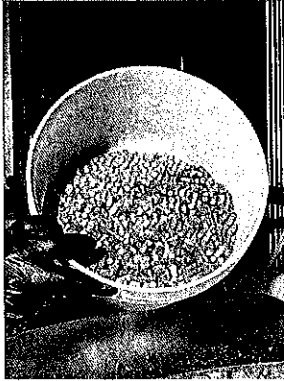
### **Getting over the 'ick factor'**

Efforts to promote the wider use of recycled drinking water have suffered from a perception problem, amplified by detractors who have denounced the process as "toilet to tap." But researchers at Stanford University found last year that recycled wastewater is safe to drink and also less toxic than other tap water sources because it is more rigorously treated.

Image



The recycled wastewater Desert Monks receives from the city of Scottsdale is "ultra-purified" and cleaner than the water the brewery gets on site, Ms. Decker said. Credit...Cassidy Araiza for The New York Times



Hops being added to a tank at the Desert Monks Brewing Company. Credit...Cassidy Araiza for The New York Times

In Scottsdale, that process involves ozone infusion, microfiltration and reverse osmosis, in which water is forced across a membrane to remove dissolved minerals and other impurities. The water is then zapped with ultraviolet light. Together, these measures remove “darn near everything,” Mr. Biesemeyer said. “I think the biggest thing was, it tastes good,” said Chris Garrett, the owner of Devil’s Canyon, where Epic OneWater Brew was made, noting that people have preconceived notions about wastewater. “They assume, ‘Oh my God, it’s sink water.’ And it’s like, well, it’s actually probably cleaner than what’s coming out of the rivers.” The Epic brew was born out of a 2021 San Francisco ordinance requiring new buildings larger than 100,000 square feet to have on-site water reuse programs. Epic Cleantec partnered with 1550 Mission Street, a luxury high-rise apartment building, and Devil’s Canyon to turn the building’s greywater — runoff from laundry and showers, not toilets — into beer. Epic OneWater Brew is not for sale, but Mr. Tartakovsky said he served it at his wedding last month.

When a brewery in Half Moon Bay, Calif., decided to try brewing with wastewater, it turned to a neighbor for help: NASA, which developed its own water recycling technology so its astronauts could drink water in space. The Half Moon Bay Brewing Company picked up recycled greywater from the space agency’s Ames Research Center in Mountain View, Calif., and used it to make a limited-edition India Pale Ale called Tunnel Vision. The beer was served at events for limited periods between 2014 and 2017. “The water was even more neutral than the water we use here,” said James Costa, the brewmaster at Half Moon Bay. “No one could tell the difference.”

## **Judging water ‘by its quality, not its history’**

The Pure Water Brewing Alliance is a coalition of water utility companies, brewers, engineering firms and tech companies that share resources, techniques and information for using recycled wastewater to make beer. The goal, said Travis Loop, one of the leaders of the alliance, is for “water to be judged by its quality, not its history.”





A glass of Desert Mist Lager at the Desert Monks Brewing Company, which brewed its first beer with treated wastewater for a festival in 2019. Credit...Cassidy Araiza for The New York Times

“We have the technology to clean water, to purify water,” he said. “And as we can see by the times we’re in, we’re going to need to be doing a lot more of that.” Boise, Idaho, a rapidly growing city in the high desert, turned to the alliance when it was looking to update its water treatment and distribution system in 2018. A fellow member, Pima County, Ariz., offered Boise a trailer with technology that could turn wastewater into drinkable water. Other members shared paperwork they had used to get permits to use recycled wastewater for brewing beer, condensing a process that had previously taken six months to just six weeks, Mr. Loop said. Boise teamed up with three breweries and a cidery, and hosted events in 2018 where the recycled wastewater drinks were served.

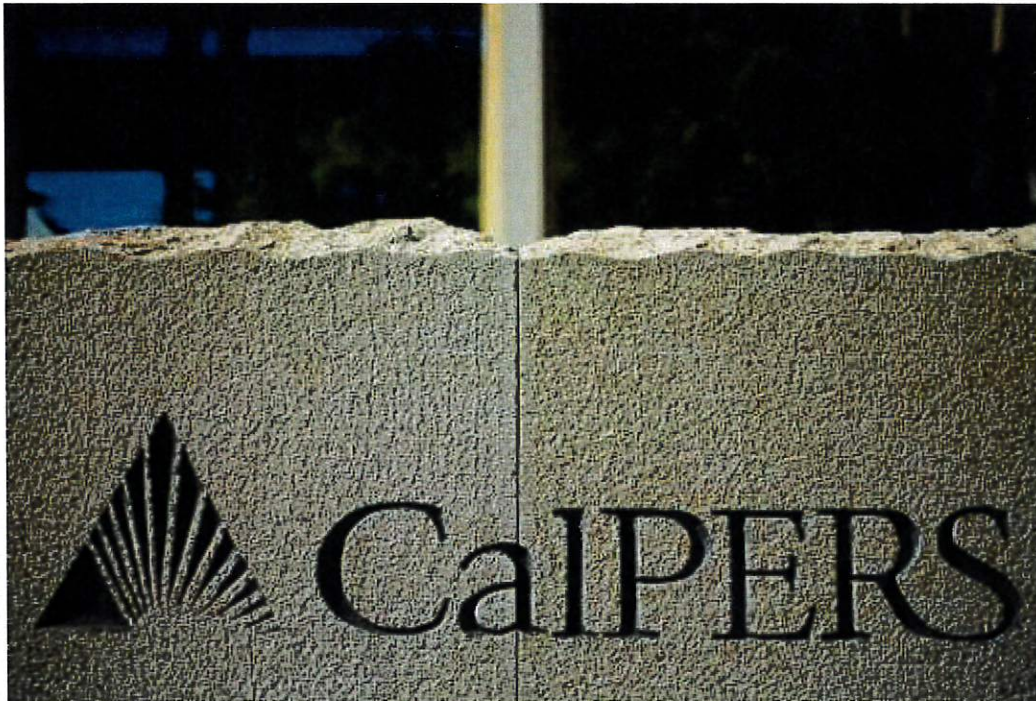
For now, recycled wastewater beer is available for sale only in Arizona. Since wastewater can’t be consumed in California, breweries there have been limited to one-off brews for specific events. In Idaho, a permit that allowed the consumption of reclaimed wastewater was valid only briefly, in 2018, but Boise is developing a full-scale water recycling program. Scottsdale is the only city in Arizona that lets the public sample recycled wastewater. That works to the advantage of Desert Monks, which has capitalized on its access to large quantities of ultrapure water. A self-professed “huge science fiction nerd,” Mr. Decker, one of the brewery’s co-owners, joked that he has set his sights far beyond Arizona.

“I’m using the same water processes that astronauts use,” he said. “So if anyone’s going to Mars, we have the beer for them.”

Times Standard August 9, 2023

## Humboldt County supervisors vote to urge legislators to divest from fossil fuels for CalPERS

State Senate Bill 252 won't be heard until early 2024



The Humboldt County Board of Supervisors voted to write a letter in support of a fossil fuel divestment bill. (Photo by Max Whittaker/Getty Images)

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

August 8, 2023 at 3:09 p.m.

The Humboldt County Board of Supervisors were split Tuesday over writing a letter in support of a state Senate bill that would divest public employee retirement funds from fossil fuel companies. The board voted 3-2 to write the letter in support of SB 252 during a meeting.

In the face of an ongoing climate crisis, climate activists have championed fossil fuel divestment campaigns, with some success. In the state, the University of California and the California State University system have each made fossil fuel divestment commitments. Another state system that has been taken on by legislators are two state retirement systems that currently invest billions of employee retirement funds in fossil fuel companies.

Senate Bill 252 would prohibit the boards of two state employee retirement systems from making new (or renewed) investments in fossil fuel companies and liquidate all

investments in fossil fuel companies by 2031, according to the text of the bill. The bill will not be taken further this year but will be heard in early 2024, according to the office of a legislator who co-introduced the bill.

Supervisors Mike Wilson, Natalie Arroyo and Steve Madrone voted in favor, and Supervisors Rex Bohn and Michelle Bushnell voted against writing the letter. Supervisors Wilson and Madrone sponsored the letter according to the staff report.

Wilson said the financial risks involved with investments need to be counterbalanced with "the risks involved with not changing our direction." He said the cost of not decarbonizing our economy is playing out every day across the planet, and noted that it's not just about investments, it's about people's lives, the systems on our planet and our ability to survive.

Bohn said that while he thinks it's a "feel-good item" and a great thing to stand up for, he said there is not enough information for him to be in support of it. Bohn said he wanted to look at the economic situation, noting that Humboldt County has a couple hundred million dollars in unfunded liability for California Public Employee Retirement System (CalPERS), which manages pensions for public employees in California. CalPERS and the California State Teachers' Retirement System (CalSTRS) are the two retirement systems the bill targets.

A CalPERS Board of Administration news release says as of late 2022, "the estimated value of publicly traded securities held by CalPERS that meet the SB 252 criteria of a "fossil fuel company" was \$9.4 billion." CalSTRS noted in a press release opposing the bill they hold a combined market value of approximately \$4.1 billion that meets the SB 252 definition.

In terms of finances, Arroyo noted later that a clause in the bill says, "nothing in this section shall require the board to take action as described unless the board determines in good faith that the action described in the section is consistent with their fiduciary responsibilities."

A CalMatters story calls this an "escape clause of sorts" that allows pension funds to keep their fossil fuel investments if doing so would conflict with the financial duties of the system.

Another issue Bohn found with the letter involves renewable energy. Bohn said that because fossil fuel companies often have wind energy subsidiaries, this bill could potentially get in the way of investment in offshore wind projects. Bohn has previously noted his support of upcoming offshore wind developments in Humboldt County.

He also said that because China opens "a coal plant every 10 days," they should focus elsewhere, like the Kyoto Protocol, an international agreement on reducing

greenhouse gases. The CalPERS release similarly argues that divestment will have little impact on fossil fuel companies' operations, and that people will still drive cars.

Arroyo noted that while she understands the argument of "if we're not doing everything exactly right, then why do it at all," she doesn't think this is how change will be made with greenhouse gas emissions. She said that every element in every way of approaching fossil fuel emissions helps and said she supports the letter fully.

Bushnell, who asked the item to be pulled from the consent calendar, said she would not support the letter Tuesday because she wanted more information and didn't want to put her name on it yet. She also added that she represents a very rural area "that is very dependent on different sources."

A retired school teacher came in support of the letter because "it bothers me tremendously that my pension, for which I'm very dependent financially, is benefiting from fossil fuel money," said Deborah Dukes, during public comment.

Regular public commenter Kent Sawatzky asked the supervisors to walk the extra mile if they were voting for the letter and stop using fossil fuels to avoid looking hypocritical.

Leoda Valenzuela, press secretary for state Sen. Lena Gonzalez (D-Long Beach), who co-introduced the bill, said while the bill passed the state Senate, it did not get a hearing in the Assembly. This is because the Public Employment and Retirement Chair, Assemblymember Tina McKinnor (D-Inglewood), said she wanted more time to learn about the bill. Valenzuela said that a similar bill had gone through the process in other years and was halted in the same committee.

Valenzuela said the bill is still alive and would be heard again in early 2024.

The letter is signed by Madrone, as chair. Wilson said at the meeting he'd like the letter to be also sent to two agencies who voted to oppose the bill.

"Fossil fuels and efforts to obstruct climate stabilization policies are incompatible with California's climate goals, and our obligation to current and future generations," wrote Madrone in the letter.

A question was raised at the meeting as to why the item was on the consent agenda, which does not warrant discussion unless an item is pulled. Wilson said he was surprised it was on the consent agenda, as it deserved discussion.

Wilson noted at the meeting that many retirement funds across the United States, both public and private, are moving in this direction.

*Sage Alexander can be reached at 707-441-0504.*

# **CORRESPONDENCE**



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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SHERI WOO, DIRECTOR

August 9, 2023

### GENERAL MANAGER

JOHN FRIEDENBACH

California Public Utilities Commission  
Cheryl Lee, Supervisor of Renewables Procurement Section  
505 Van Ness Avenue  
San Francisco, CA 94102

**RE: Letter to Governor Gavin Newsom regarding PG&E Transmission of Hydro Electricity from the Gosselin Hydroelectric Plant**

Dear Cheryl Lee,

Please see our letter attached addressed to Governor Newsom regarding our hydro plant being out of commission. We are bringing this to your attention in the hope that you may be able to assist us.

Due to a lightning strike to a PG&E transformer, our hydro plant has been out of commission since April 2023. PG&E will not accept any hydro generated energy from our facility, consequently we are shut down. We have been informed this could take up to a year to repair.

We are asking your assistance in expediting the repair so we can once again provide the renewable energy source at our hydro plant.

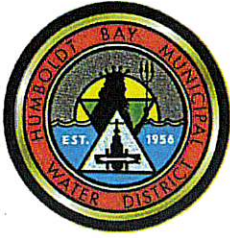
Thank you for your assistance.

Respectfully,

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

John Friedenbach

General Manager



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SHERI WOO, DIRECTOR

June 22, 2023

### GENERAL MANAGER

JOHN FRIEDENBACH

VIA EMAIL: [Marjon.saulon@gov.ca.gov](mailto:Marjon.saulon@gov.ca.gov)

Governor Gavin Newsom

c/o Marjon Saulon, Northern California Deputy Regional Director, External Affairs

1021 O Street, Suite 9000, Sacramento CA 95814

RE: PG&E Transmission of Hydro Electricity from the Gosselin Hydroelectric Plant

Dear Honorable Governor Newsom,

Humboldt Bay Municipal Water District has a small capacity, 2 MW generator at our Gosselin Hydroelectric Facility located on the Mad River near Ruth California where we produce and sell renewable energy to PG&E. Due to a lightning strike in early April at the Low Gap PG&E substation on Highway 36 in Trinity County, the PG&E transformer is out of commission preventing us from utilizing our hydro plant.

PG&E has informed us that without the transformer functioning, they can no longer take energy from our hydroelectric facility. They also stated it could take anywhere from months to a year to replace the equipment. At this point, we have been unable to sell electricity since April, 2023.

We believe the electricity generated at the Gosselin Hydroelectric Plant is eligible for inclusion into the Renewables Portfolio Standard, as enforced by the CPUC, as it is classified as "small hydro". Since the power is generated during the night and independent of wind, it may even be considered a Resource Adequacy product. We are aware that both of these electricity sources are in high demand within California.

We are respectfully requesting any assistance you may be able to provide to expedite the replacement of the transformer so we can begin supplying Renewables Portfolio power as soon as possible. As you can imagine, this is also a large revenue loss for our small water district. The longer the delay, the more these two types of energy are being lost.

Thank you for your assistance!

Respectfully,

John Friedenbach

General Manager

cc: Senator Mike McGuire

Assembly Member Jim Wood

Alison Talbott, Government Relations Rep, PG&E



## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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SHERI WOO, DIRECTOR

August 10, 2023

### GENERAL MANAGER

JOHN FRIEDENBACH

IRWM Regional Manager

Natural Resources Planning Division

Humboldt County Public Works Department

### Re: Amendment Request, Prop 1, Round 1; Agreement #4600013820

Dear IRWM Regional Manager,

This letter is to request that the funds from the awarded Proposition 1 Round 2 grant to the Humboldt Bay Municipal Water District (HBMWD) be reallocated to the existing Proposition Round 1 grant agreement # 4600013820 for the Ranney Collector 2 Rehabilitation Project being funded through the County of Humboldt with the Department of Water Resources.

HBMWD received a single bid response, which was twice the budget for the project. The bid was rejected and HBMWD applied for additional grant funding through Prop 1 Round 2 to offset the costs with the intent of phasing the project, reducing the scope of work in the Prop 1 Round 1 to replace approximately two laterals in the Ranney Collector 2, instead replacing three to four of the laterals, as proposed. After discussions between DWR and the County regarding the award of Prop 1 Round 2 grant funds, HBMWD is now requesting to reallocate the grant funds from the Prop 1 Round 2 grant award of \$712,500.00 to Prop 1 Round 1, Task 10.4 Budget Category D, Construction/Implementation, to complete the entire project under one grant agreement, as originally proposed.

The HBMWD also requests modification to the scheduled ending dates to the Project Administration Task. These changes reflect an extended schedule due to the delays caused by the increased costs to implement the project and need to seek additional funding. Although we do expect construction completion by December 31, 2023, we are requesting the full three months to March 31, 2024, for grant close out administration completion.

The requested changes to the agreement will allow HBMWD to complete the project as proposed with no changes or outcomes to the goals. This consolidation in funding will provide administrative time efficiencies to both Humboldt County and DWR staff. We appreciate your consideration of the request.

Respectfully,

John Friedenbach  
General Manager



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**GENERAL MANAGER**

JOHN FRIEDENBACH

**RUTH LAKE COMMUNITY SERVICES DISTRICT**

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**GENERAL MANAGER**

CAITLIN CANALE

August 10, 2023

Trent Tuthill, Trinity County CAO  
 Dan Frasier, Trinity County Supervisor  
 Tim Saxon, Trinity County Sheriff  
 Liz Hamilton, Mike Cottone & Philip Simi, Trinity County OES  
 Brandon Lale, Commander Trinity River CHP  
 Melony Higgins, Fire Chief, Southern Trinity Volunteer Fire Department  
 Kristen Lark, District Ranger, Mad River Ranger District, USFS  
 Tracy Waid, Chief Operations Officer, Southern Trinity Health Services/STAR  
 Brooke Entsminger, STAR EMS Coordinator

**RE: SAVE THE DATE! Joint Board Meeting and EAP Face-to-Face Meeting on Friday, September 22, 2023**

Dear Invitees,

We have had a long tradition of conducting annual joint meetings of the Boards of Directors of the Humboldt Bay Municipal Water District (HBMWD) and the Ruth Lake Community Services District (RLCSD). The purpose of these meetings has been to discuss issues that are of mutual interests to both Districts.

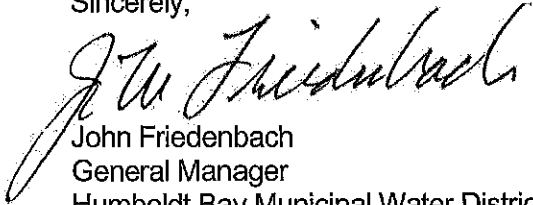
This year the Joint Board meeting has been scheduled for Friday, September 22, 2023. The meeting will be held at the Journey's End, 9001 Mad River Road (Mad River) at 1:00 p.m. The meeting will be preceded by lunch at 11:30 am.

We would like to extend an invitation to you to attend both the lunch and the Joint Board meeting. As always, we will include time for and invite any updates and discussion from various agencies. An agenda will be sent out prior to the meeting with more details. Humboldt Bay Municipal Water District (HBMWD) will pay for the lunch of the above listed invitees only. Please RSVP to HBMWD. If you cannot attend but plan to send someone in your place, please let HBMWD know that as well. Any additional attendees will be required to pay for their own lunch.

After the Joint Board meeting, a brief meeting will be held which will meet the requirements by the Federal Energy Regulatory Agency (FERC) to have face-to-face meetings with emergency responders on our Emergency Action Plan (EAP) contact list. For our EAP plan holders, please bring your latest copy of our EAP which has a blue cover and date of December 2022.

We hope you can join us.

Sincerely,

  
John Friedenbach  
General Manager  
Humboldt Bay Municipal Water District

  
Caitlin Canale  
General Manager  
Ruth Lake Community Services District

# **CONTINUING BUSINESS**

**HUMBOLDT BAY MUNICIPAL WATER DISTRICT**

To: Board of Directors  
From: John Friedenbach  
Date: August 17, 2023  
Subject: Water Resource Planning (WRP) – Status Report

.....

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

**1) Top-Tier Water Use Options****a) Local Sales**

- i) Nordic Aquafarms – The project continues in the permit challenge process.
- ii) Trinidad Rancheria mainline extension. No update.
- iii) Blue Lake Rancheria mainline extension. Staff of both entities met do discuss next steps.

**Transport** – no update.

**b) Instream Flow Dedication**

Committee met and finalized the narrative and graphics. Staff will submit the draft 1707 petition for change to the Water Board Staff for their initial review.

McNamara and Peepe  
Quarterly Meeting Agenda  
July 27, 2023

Attendees: DTSC (Marikka Hughes, Nicole Yuen, 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. Introduction of new DTSC staff
2. Updates on McNamara site documents
3. Overview of June 2023 fieldwork
4. Future fieldwork plans
  - a. Early August 2023 Fieldwork
    - i. Installation of groundwater monitoring well on Doug Daly's property
    - ii. Decommissioning the production well
    - iii. Repairing MW-1
  - b. August 2023 groundwater monitoring event
    - i. Will include two new wells: well on private property and new well adjacent to MW-1



Phone: (707) 441-8855 Email: info@shn-engr.com Web: shn-engr.com  
812 W. Wabash Avenue, Eureka, CA 95501-2138

Reference: 020189.120

June 12, 2023

Nicole Yuen  
California Environmental Protection Agency  
Department of Toxic Substances Control  
700 Heinz Avenue  
Berkeley, CA 94710

**Subject: Site Investigation Work Plan, Former McNamara and Peepe Lumber Mill, 1619 Glendale Drive, Arcata, California; EnviroStor ID: 12240115**

Dear Nicole Yuen:

The enclosed site investigation work plan has been prepared to further define the extent of chemicals of concern in soil and groundwater at the former McNamara and Peepe Lumber Mill (M&P). A review of available historical data and recently acquired testing results have identified data gaps in contaminant extent and hydrogeologic conditions that will require further evaluation. Specific areas of the site for investigation include the cap and former green chain area, downgradient of the cap, and the eastern portion of the property near the former planer. SHN has prepared this work plan on behalf of the California Department of Toxic Substances Control (DTSC)

## Site Information

This section contains an overview of the site conditions and environmental activities conducted at the site for background understanding.

### Mill Setting

The former mill site located at 1619 Glendale Drive in Arcata, California, operated from the 1940s to 2002 (Figure 1). The facility contained a sawmill, planer, sorter, and green chain, and used a chemical fungicide containing pentachlorophenol (PCP) and tetrachlorophenol (TCP) to treat lumber from 1967 to 1984. Spillage and drippings from the "green chain" and dip tank fungicide application area are believed to have caused PCP and TCP contamination to soil and groundwater. In 1998, soil in the green chain and sawmill areas were consolidated and capped with an impervious layer (concrete) to prevent PCP and TCP detected in soil from being discharged to groundwater and surface water. Mill structures are no longer present at the site; however, the foundations of several mill buildings remain. The site is currently operated for production of soil amendments and is surrounded by residential and commercial industrial properties. The Mad River is located approximately ¼ mile to the south of the site.



Nicole Yuen, California Department of Toxic Substances Control

**Site Investigation Work Plan Former M&P Lumber Mill**

June 12, 2023

Page 4

To assess the presence and distribution of contaminants in this area, two soil borings with temporary well points are proposed for installation at the locations shown in Figure 5. One boring location will be upgradient of well MW-14 towards the former planer, and the second boring will be approximately 25 feet downgradient. Soil samples will be collected from each boring location at the saturated/unsaturated zone interface and submitted for the analysis of phenols and dioxin/furans. Groundwater samples collected from each temporary well point installed along the eastern mill boundary will be analyzed for phenols. Additional groundwater will be collected from each temporary well point location at MW-14 for the analysis of dioxins and furans. Groundwater samples collected from this area showing elevated concentrations of phenols will be analyzed for dioxin and furans.

## Field Program

Upon work plan approval, SHN will initiate activities for field program implementation. The proposed work is intended to provide soil and groundwater from within the contaminant-impacted areas for discrete analysis, assess conditions downgradient of the cap by installing two new groundwater monitoring wells, and improve understanding of hydrogeologic conditions at the site.

This scope of work is designed to provide the information needed to meet the project objectives of this investigation and includes:

- Project implementation, permitting, and Underground Service Alert (USA) notification.
- Field program:
  - Complete 11 soil borings at the cap area and along the eastern property boundary.
  - Install temporary well points using polyvinyl chloride (PVC) casings and screens in six soil boring locations at the cap area and along the eastern property boundary.
  - Collect discrete soil samples from each soil boring.
  - Collect groundwater samples from each temporary well point.
  - Submit soil and groundwater samples to a California state-certified analytical laboratory.
  - Drill and install two new groundwater monitoring wells.
  - Properly develop and survey each newly installed monitoring well.
  - Characterization for determination of proper disposal of investigation-derived waste.
  - Conduct identified well maintenance operations.
- Reporting: Prepare a report of findings that includes the activities and results of the field program.

In addition to providing this work plan, SHN will coordinate and schedule the activities related to program implementation that include obtaining boring permits from the Humboldt County Division of Environmental Health (HCDEH), contacting USA, coordinating with facility occupants, and corresponding with the DTSC.



Nicole Yuen, California Department of Toxic Substances Control  
**Site Investigation Work Plan Former M&P Lumber Mill**  
June 12, 2023  
Page 5

## Soil Borings and Sample Collection

SHN proposes the installation of 11 soil borings to a depth of approximately 15 feet BGS using a sonic drill rig. This method of drilling uses a large drive tube that will generate continuous core with improved recovery and is capable of coring through the reinforced concrete cap. Eight soil borings are proposed for the area of the cap shown in Figure 4, and two locations are proposed for completion in the area of MW-14 south of the planer shown in Figure 5. Two additional soil borings will be completed for planned installation of downgradient monitoring wells shown in Figure 5 and will be drilled to a depth of approximately 20 feet BGS.

Soil will be field-screened using a photoionization detector (PID) and described in general accordance with the Unified Soil Classification System under the direction of a California-licensed professional geologist. Soil samples will be collected from the recovered core at discrete locations for laboratory analysis based on observations that include depth to groundwater, staining, odor, PID readings, and source area consideration. Each sample selected for analysis will be placed in an iced cooler and shipped under the appropriate chain-of-custody documentation. It is anticipated that two to three samples from each boring location at the cap will be submitted for laboratory analysis. The collection of soil samples from the downgradient monitoring well locations for laboratory testing are not anticipated during coring operations.

## Temporary Well Point Installation and Groundwater Sample Collection

Upon completion of the three soil borings at the cap, one location between well MW-1 and MW-13, and two soil borings at the area around MW-14, a temporary well point will be installed for the collection of groundwater samples. The temporary well points will consist of ¾-inch PVC casing and 5 feet of ¾-inch PVC screen inserted through the sonic drive rods. Each temporary well point will be purged of approximately three casing volumes, prior to groundwater sample collection using a peristaltic pump with disposable tubing. All groundwater samples collected for the analysis of dioxin/furans during the site investigation will be filtered in the field using a 0.45-micron pore size filter. Groundwater samples will be placed in an iced cooler and shipped under the appropriate chain-of-custody documentation to the testing laboratory.

Upon completion of coring activities and groundwater sample collection, the temporary well casing and screen will be removed, and all borings will be backfilled with neat cement or bentonite grout. Borings completed in the reinforced concrete cap will be sealed with non-shrink hydraulic cement to ensure cap integrity is maintained. All borings will be completed at grade to match the existing surface conditions.

## Monitoring Well Installation

To assess contaminants in groundwater downgradient of the cap, two soil borings will be completed using sonic coring methods to approximately 20 feet BGS for the installation of a monitoring well at the locations shown in Figure 5. One monitoring well will be installed immediately downgradient of MW-1 on the facility property, and the second is planned for installation near the well on private property (approximately 150 feet downgradient of the cap). Each boring will be 7.25-inches in diameter and have a monitoring well installed that will consist of 2-inch PVC casing and 10 feet of 2-inch, 0.010-inch slot PVC





Nicole Yuen, California Department of Toxic Substances Control  
**Site Investigation Work Plan Former M&P Lumber Mill**  
June 12, 2023  
Page 6

screen. Size 2/12 Monterey sand will be used for the filter pack, hydrated bentonite chips will be placed for the transition seal, and the remainder of the annulus will be filled with bentonite or cement grout. An aboveground monument will be set in concrete to protect each wellhead.

Groundwater monitoring wells will be properly developed after installation and surveyed for location and elevation under the direction of a licensed surveyor. The newly installed monitoring wells will be sampled during a subsequent groundwater monitoring event. SHN is additionally planning to resurvey all site monitoring wells for location and elevation during the site investigation field program.

## Laboratory Analysis

Discrete soil and groundwater samples collected during the site investigation will be analyzed for the following constituents:

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

It is anticipated that all soil and groundwater samples collected for this site investigation will be tested for phenols and testing for dioxin/furans will be based on location, depth, and phenol testing results. PCP and TCP testing will be completed by North Coast Laboratories, Ltd. (NCL) located in Arcata, California. Dioxin and furan testing will be completed by Enthalpy Analytical, located in El Dorado Hills, California. Both testing laboratories are California state certified.

To address the potential that a hydrocarbon solvent was used as a carrier for PCP, additional testing of soils and groundwater for petroleum hydrocarbons in gasoline range organics (GRO) and diesel range organics (DRO) will occur in select locations based on field conditions encountered.

## Well Maintenance

Findings from recent inspections and monitoring at the site have identified two wells that will require services from a licensed well driller. Water observed in the well box at monitoring well MW-1 appears to be coming from the surrounding subsurface and not from infiltration of surface flow. The locking well cap (J-Plug) on MW-1 has been replaced but is not capable of making an air-tight seal with the top of the PVC well casing. There is concern that influence from this upper zone of perched water may be entering MW-1 well casing from accumulation in the well box, and a proper seal will need to be completed to correct the situation. The well box and collar for MW-1 will need to be removed using a jackhammer and reset in concrete. A PVC riser will also need to be attached to the existing well casing and completion with an aboveground monument protected by bollards is proposed.

A production well near the former planer at the site was presumed to have been properly abandoned based on documentation provided in the October 12, 2010, well destruction permit issued by HCDEH. An inspection of the production well aboveground casing in February 2023 identified an open bore, the presence of electrical wiring, and a discharge pipe. A well-depth meter placed in the discharge pipe determined solid contact at approximately 109 feet in depth. It is presumed that a pump is attached to



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the wiring and discharge pipe, and the abandoned well was returned to use at some point previously. To properly abandon this well, the pump and discharge pipe will need to be removed and backfilling the well with sealing material to ground surface will be completed. The aboveground steel well casing for the production well is additionally planned for removal.

Permits from HCDEH for the modification of well box MW-1 and abandonment of the production well will be required.

## Equipment Decontamination Procedures

Drilling equipment will be cleaned prior to its use onsite and between each boring installation using a steam cleaner or the triple-wash system (a Liquinox® solution wash, followed by two distilled water rinses). Small equipment that requires onsite cleaning will be cleaned using the triple-wash system.

## Investigation-Derived Waste Management

Soil cuttings generated from the soil boring activities will be placed in 55-gallon steel drums, sampled for disposal characterization, and properly disposed. Water generated during drilling activities, well development, aquifer testing, and groundwater sampling will be temporarily stored onsite in an appropriate container. The water will then be sampled for disposal characterization, and properly disposed.

## Project and Data Quality Objectives

This project involves evaluating the presence or absence of contaminants identified in site soil and groundwater to assist in an evaluation of risks to human health and the environment and identifying potential remediation options. Quality assurance (QA) objectives for the soil and groundwater assessment at the site are intended to provide guidance for collecting and evaluating data that represent site conditions through precision, accuracy, and completeness.

## Data Review and Validation

The SHN QA officer will perform a Tier 1A level data validation on all laboratory reports received. Tier 1A level data validation may include, but is not limited to:

- Review of the data package for completeness
- Review of chain-of-custody forms for consistency with laboratory reported information, signatures, sample condition upon receipt by the laboratory, and sample preservation
- Review of holding times
- Review of quality control (QC) summaries
- Review of blank results for possible field or laboratory contamination
- Random checks of reported results against raw data



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 Page 8

- Random checks of raw data for interference problems or system control problems (baseline anomalies, baseline drifts, and so on)

If comparison of data to QA/QC objectives indicates anomalies, the laboratory will be instructed to review the submitted data and SHN will review the methods used to collect and handle the samples. If anomalies remain, the laboratory may be asked to re-analyze samples.

## Field Quality Control Samples

The EPA recommends collection of field quality control samples at a rate of one quality control sample for every twenty samples collected. As many as 25 soil samples and six groundwater samples are planned for collection during the site investigation field program. Therefore, two field duplicate soil samples and one field duplicate water sample will be collected for quality control purposes. This proposed approach will satisfy the recommended number of field quality control samples.

## Reporting

Following completion of the field program, SHN will prepare and submit a report of findings on behalf of DTSC for review. The report will include: a description of the work performed, a summary of the sampling results, analytical laboratory reports, site maps illustrating sample locations and analytical results, updated geologic cross sections of the cap area, and recommendations for additional work, if needed. The report will be submitted within 60 days of receipt of laboratory analytical data. Upon approval of this site investigation work plan, SHN will initiate implementation of the field program consisting of facility notification and permitting.

Please call me at (707) 441-8855 if you have questions or comments regarding this work plan.

Sincerely,

**SHN**

Erik J. Nielsen, P.G., C.H.G.  
 Senior Hydrogeologist

EJN:WRB:ame



## References

- American Environmental Management Corporation. (June 1989). *Final Investigation Report for the McNamara And Peepe Lumber Mill, Glendale, California*. NR:AEMC.
- Apex. (December 2017). *Technical Memorandum – Remedial Alternatives Evaluation, McNamara and Peep Lumber Mill, 1619 and 1678 Glendale Drive, Arcata, California*. NR:Apex.



Nicole Yuen, California Department of Toxic Substances Control

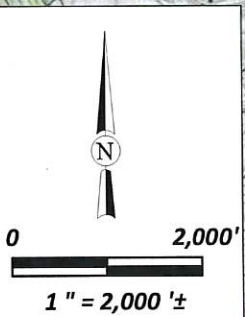
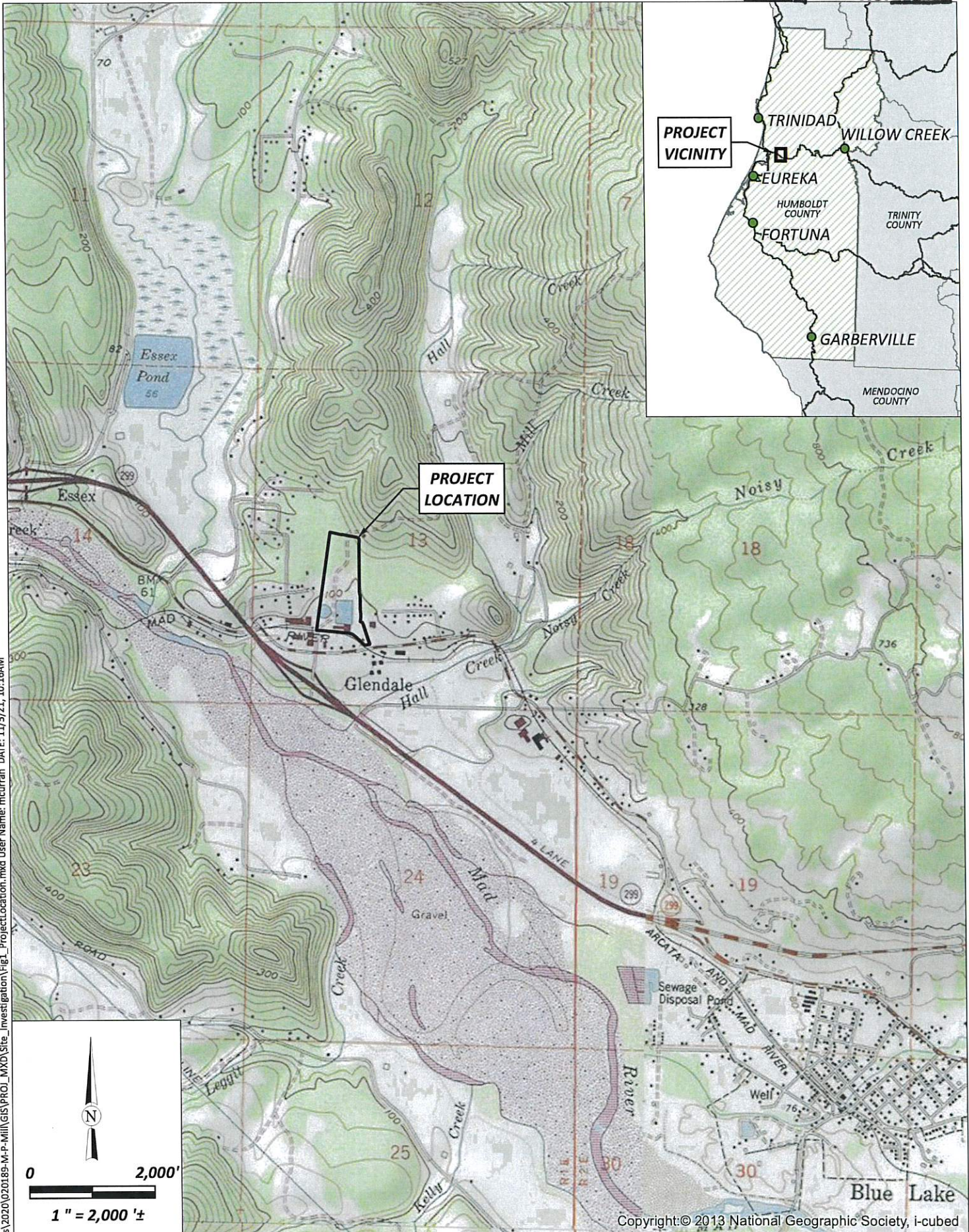
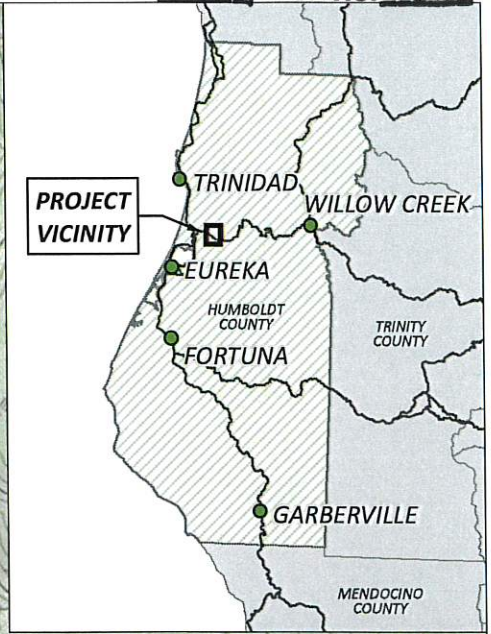
**Site Investigation Work Plan Former M&P Lumber Mill**

June 12, 2023

Page 9

- Brown and Caldwell. (December 1997). *Implementation Report of Remedial Action, Former McNamara and Peepe Lumber Mill, Glendale, California*. NR:B&C.
- National Geographic Society. (2013). Accessed through ESRI i-cubed January 15, 2021. NR:NGS.
- SHN. (June 1, 2022a). *Site Investigation Report of Findings, Former McNamara and Peepe Lumber Mill, 1619 Glendale Drive, Arcata, California; EnviroStor ID: 12240115*. Eureka, CA:SHN.
- . (June 17, 2022b). *Bench Scale Testing Update, Former McNamara and Peepe Lumber Mill, 1619 Glendale Drive, Arcata, California; EnviroStor ID: 1224011*. Eureka, CA:SHN.
- Trans Tech Consultants. (November 1994). *Final Remedial Action Plan. McNamara and Peepe Lumber Mill, Arcata, California*. NR:Trans Tech.
- URS Corporation (June 2012). *Technical Memorandum – Soil and Groundwater Investigation, Former McNamara and Peepe Lumber Mill, 1589 Glendale Drive, Arcata, California*. NR:URS.
- Weiss Associates. (March 2006). *Field Investigation and Sampling Report for Former McNamara and Peepe Lumber Mill, Glendale, California*. NR:Weiss.





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Former McNamara & Peepe Lumber Mill Remediation Evaluation 1619 Glendale Drive, Arcata, California		Project Location SHN 020189.040	
November 2021	Fig1_ProjectLocation	Figure 1	

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Page 2

## Environmental History

Investigations conducted at the site from 1987 to 1989 included the collection of soil samples, installation of monitoring wells for groundwater sample collection, and the collection of stormwater samples. Results of the investigations determined the green chain area to be the primary contributor of contamination identified at the site (AEMC, 1989). A final remediation action plan was prepared to consolidate and cap the impacted soils (Trans Tech, 1994) that was completed in March 1998 (B&C, 1997). As part of the remediation action plan, soil was placed in a trench that was covered by a 15-inch concrete cap. A land use covenant was issued in 1998 to restrict use in the capped area. A site plan showing the capped area and existing site monitoring wells is provided as Figure 2.

In April 2002, mill operations ceased and use of a water production well at the site was discontinued. This action resulted in higher groundwater elevations across the site (approximately 10 feet) that were previously being artificially suppressed through the extraction of groundwater for mill operations. Testing results from site monitoring wells in December 2003 showed a significant increase in PCP concentrations in groundwater. An investigation conducted in 2005 to evaluate the source of elevated PCP in groundwater determined dissolution from soil due to a rise in groundwater elevation was the cause (Weiss, 2006).

Additional investigations for soil and groundwater impacts were conducted at the site in June 2010, October 2010, November 2011, and April 2012. Results suggest soil with elevated PCP concentrations beneath the cap and former sawmill building are the source of PCP in groundwater (URS, 2012). Supplemental groundwater analysis conducted at the site in December 2016 suggests that groundwater is generally aerobic with localized anaerobic conditions near the source area (Apex, 2017). Groundwater monitoring at the site occurred from April 1998 to February 2023, and stormwater monitoring was recently initiated in February 2021 with a frequency of two events during the wet season.

A field investigation was completed in February 2022 to facilitate a bench-scale study for PCP remediation options at the cap. The location of soil borings installed at the cap area during the February 2022 site investigation are provided in Figure 3. Soil sample results showed PCP is present at low concentrations in several locations beneath the cap (former green chain) and sawmill to the east (SHN, 2022a). The study was unable to identify the specific source of phenols contributing to groundwater contamination but was able to demonstrate bioamendments are capable of reducing concentrations of contaminants under anerobic conditions (SHN, 2022b). The installation of two additional monitoring wells at the site was completed during this field effort (MW-13 and MW-14), which have been incorporated into the current monitoring program.

## Hydrogeologic Conditions

Subsurface soils at the site consist of alluvial deposits comprised of fines (silts and clays) and coarse material (sand and gravel). No indication of bedrock depth was observed in historic boring logs reviewed for the site. Groundwater elevations and direction of flow are observed to be impacted by seasonal influence. The groundwater depth in the area of the cap (MW-1) ranges from approximately 6 to 10 feet below existing ground surface (BGS). The direction of groundwater flow at the site is typically to the south but shows a southwest trend during low groundwater conditions.



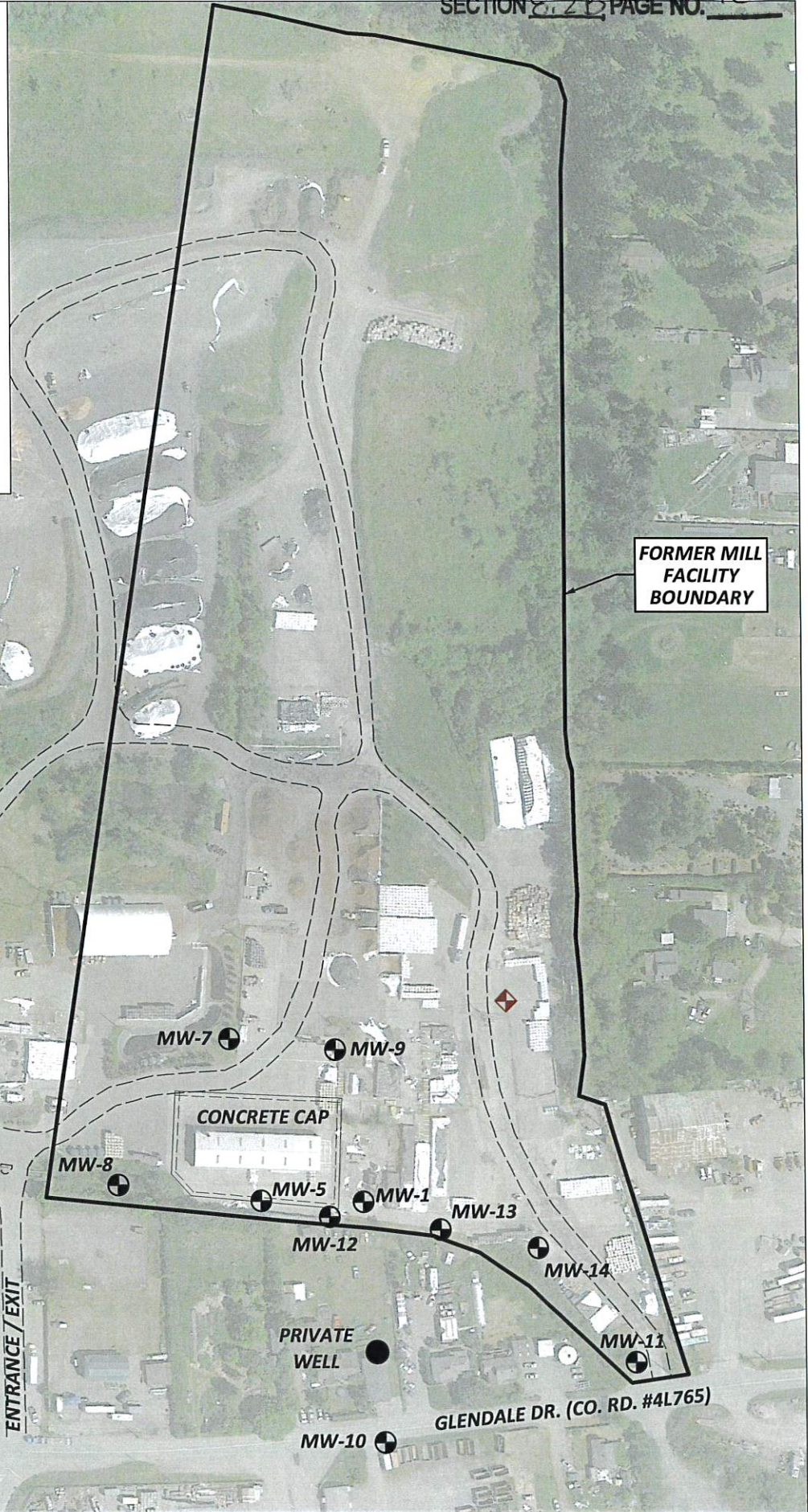
**EXPLANATION**

- PRIVATE WELL
- ◆ PRODUCTION WELL (FORMER)
- ⊕ MONITORING WELL
- FIRE ACCESS ROAD
- ▭ CONCRETE CAP AREA
- ▭ FORMER MILL BOUNDARY

0 200

1" = 200'±

PHOTO SOURCE:  
GOOGLE, 2019



FORMER MILL  
FACILITY  
BOUNDARY

ENTRANCE / EXIT

CONCRETE CAP

GLENDALE DR. (CO. RD. #4L765)

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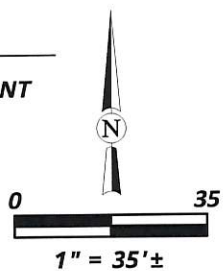
Former McNamara & Peepe Lumber Mill  
Additional Site Investigation  
1619 Glendale Drive, Arcata, California

Site Plan  
December 2022 - 020189.120

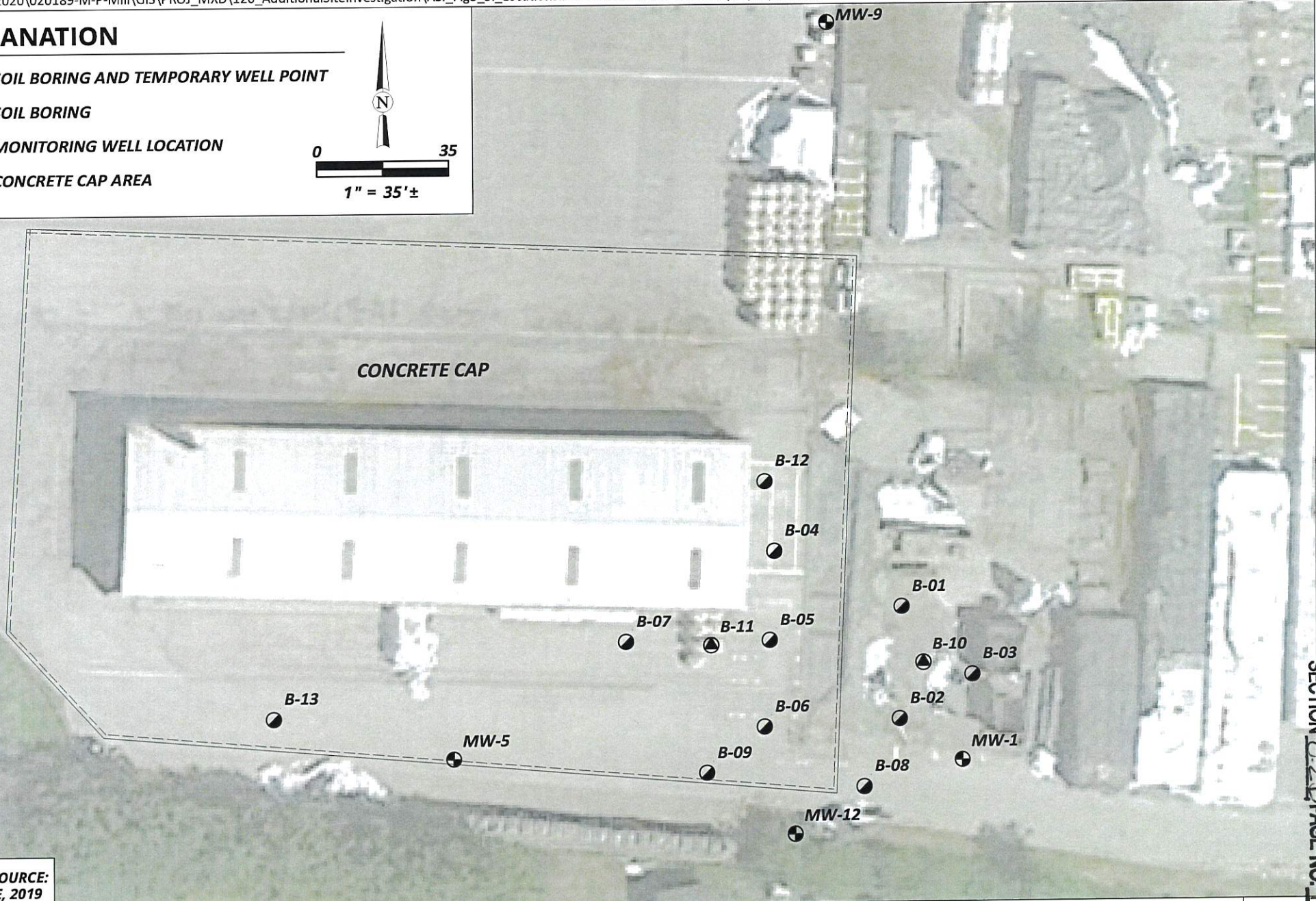
Figure  
**2**

# EXPLANATION

- SOIL BORING AND TEMPORARY WELL POINT
- SOIL BORING
- MONITORING WELL LOCATION



CONCRETE CAP AREA



SECTION 22 PAGE NO. 11

PHOTO SOURCE:  
GOOGLE, 2019



Former McNamara & Peepe Lumber Mill  
Additional Site Investigation  
1619 Glendale Drive, Arcata, California

February 2022  
Site Investigation Locations  
December 2022 - 020189.120

Figure  
**3**



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**Site Investigation Work Plan Former M&P Lumber Mill**  
June 12, 2023  
Page 3

## Areas of Investigation

### Cap Subsurface

A review of soil sample results from site investigations conducted in 1987 and 1988 shows the highest concentrations of PCP and TCP were observed in soils beneath the green chain at a depth range of 3 to 6 feet BGS. After consolidation of impacted soils and placement of the cap in March 1998, investigations for soil contamination were completed for areas outside the cap in 2010, 2011, and 2012. Outside the former green chain/cap area, PCP and TCP concentrations were observed to be at lower levels in shallow soils to the south and east. No soil samples were observed to have been collected from beneath the cap following material placement.

In order to assess current conditions beneath the cap and directly to the east, borings will be installed across this area for the collection of soil and groundwater samples. The locations of eight soil borings proposed for the cap area investigation are shown in Figure 4. Continuous core from each boring will be collected to a depth of 15 feet below the surface for lithologic interpretation and obtaining depth discrete soil samples for laboratory testing of phenols and dioxin/furans. Groundwater samples for laboratory testing will additionally be collected in the cap area by installing temporary well points at four boring locations shown in Figure 5. One temporary well point will be located approximately 40 feet east of well MW-1 to further define the extent of groundwater contamination in this area.

### Groundwater Downgradient of the CAP

Historical sample results show elevated concentrations of PCP and TCP present in groundwater south of the former green chain, with the highest concentrations of PCP observed in monitoring well MW-1. This general area is southeast of the cap and within the former sawmill structure footprint. The observed pattern of contaminant distribution in groundwater shows it to be primarily localized to wells immediately downgradient of the cap (MW-1, MW-5, and MW-12).

Two monitoring wells are proposed for installation downgradient of the cap and well MW-1 at the locations shown in Figure 5. One well will be located approximately 25 feet downgradient of well MW-1 and the second well approximately 150 feet downgradient of the cap near the private well on the adjacent property. The newly installed monitoring wells will be incorporated into the site monitoring program and sampled for phenols and dioxin/furans during the next groundwater monitoring event.

### Eastern Mill Boundary

Recently installed monitoring well MW-14 is located along the eastern portion of the mill property south of the former planer. Groundwater samples collected from this well in February and August 2022 showed detectable concentrations of PCP and TCP are present. The source of contamination in groundwater at this well location is unknown and wells located on either side of MW-14 show very low or no detectable concentrations of phenols in groundwater (MW-11 and MW-13). DTSC has initiated the collection and analysis of groundwater samples from well MW-14 for dioxins and furans during the 2023 monitoring period.



**EXPLANATION**

- PROPOSED SOIL BORING
- ▭ CONCRETE CAP AREA



1" = 35'±

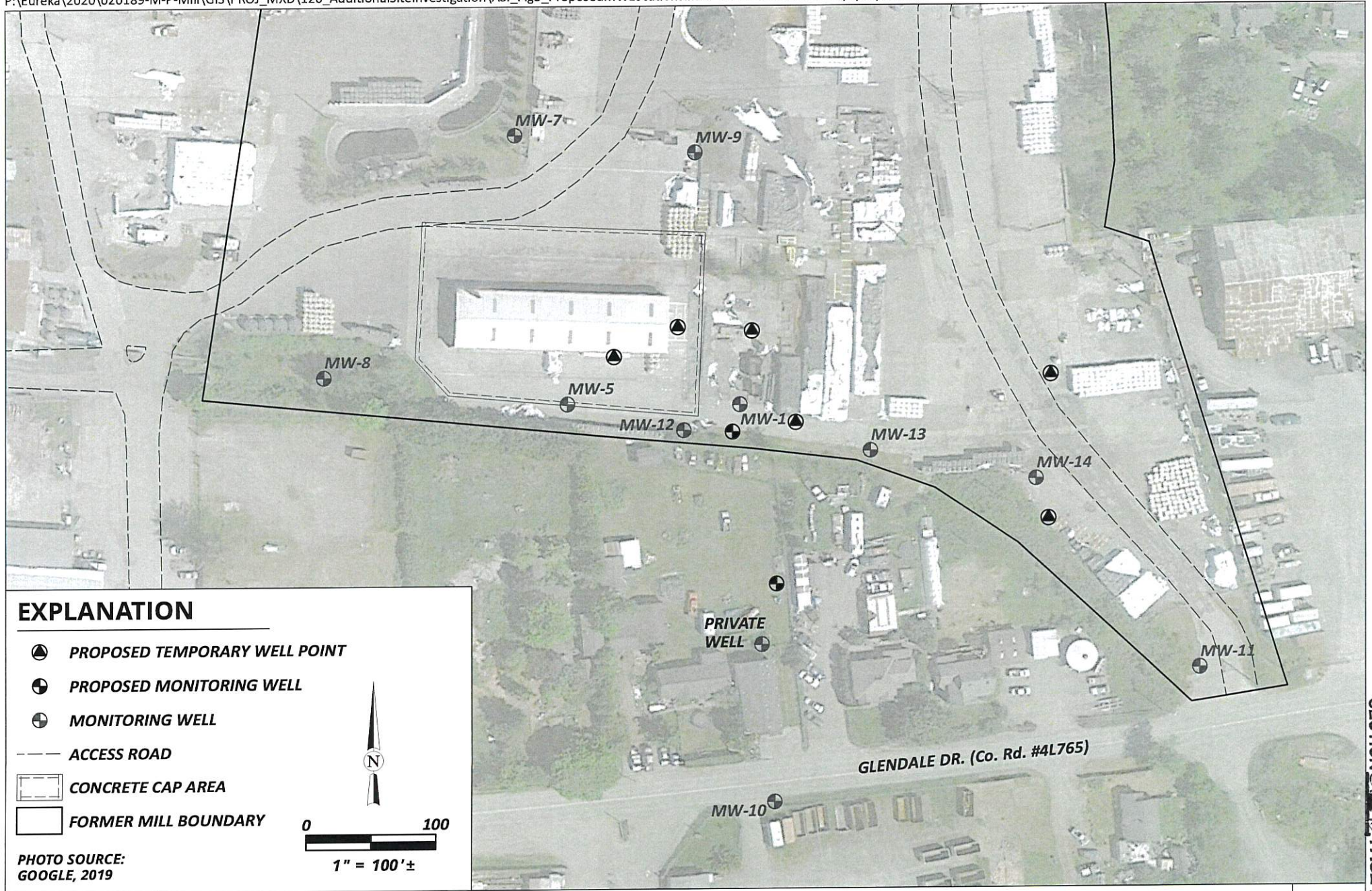
PHOTO SOURCE:  
GOOGLE, 2019









Former McNamara & Peepe Lumber Mill  
Additional Site Investigation  
1619 Glendale Drive, Arcata, California

Proposed CAP Area Soil Boring Locations

June 2023 - 020189.120



### EXPLANATION

-  PROPOSED TEMPORARY WELL POINT
-  PROPOSED MONITORING WELL
-  MONITORING WELL
-  ACCESS ROAD
-  CONCRETE CAP AREA
-  FORMER MILL BOUNDARY

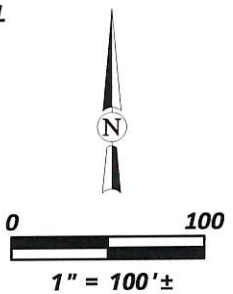


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GOOGLE, 2019



Former McNamara & Peepe Lumber Mill  
Additional Site Investigation  
1619 Glendale Drive, Arcata, California

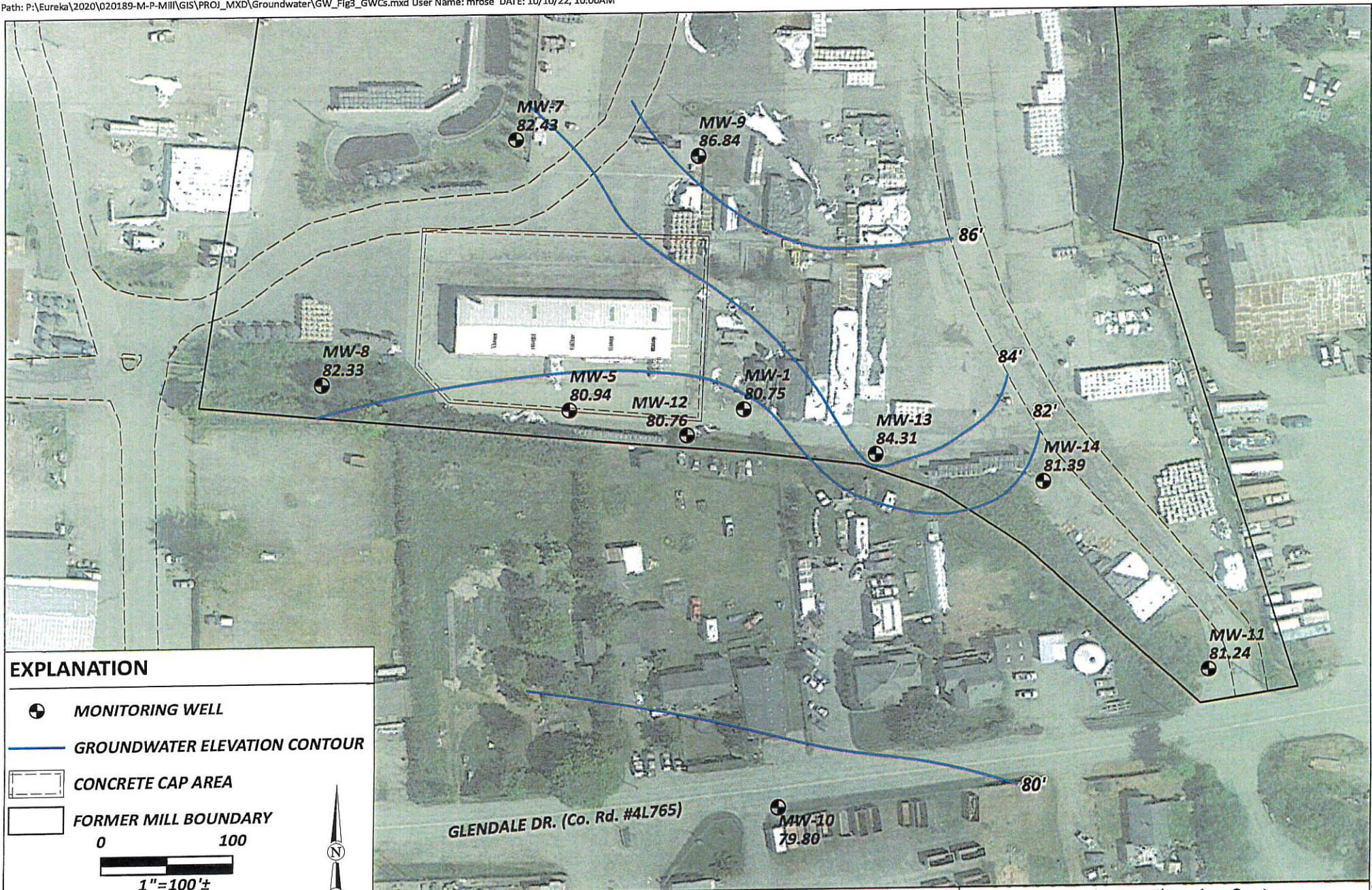
Proposed Well Locations

Figure

**5**

June 2023 - 020189.120

SECTION 8.2, PAGE NO. 14



SECTION 82 PAGE NO. 1

**EXPLANATION**

- MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR
- CONCRETE CAP AREA
- FORMER MILL BOUNDARY

0 100

1" = 100' ±

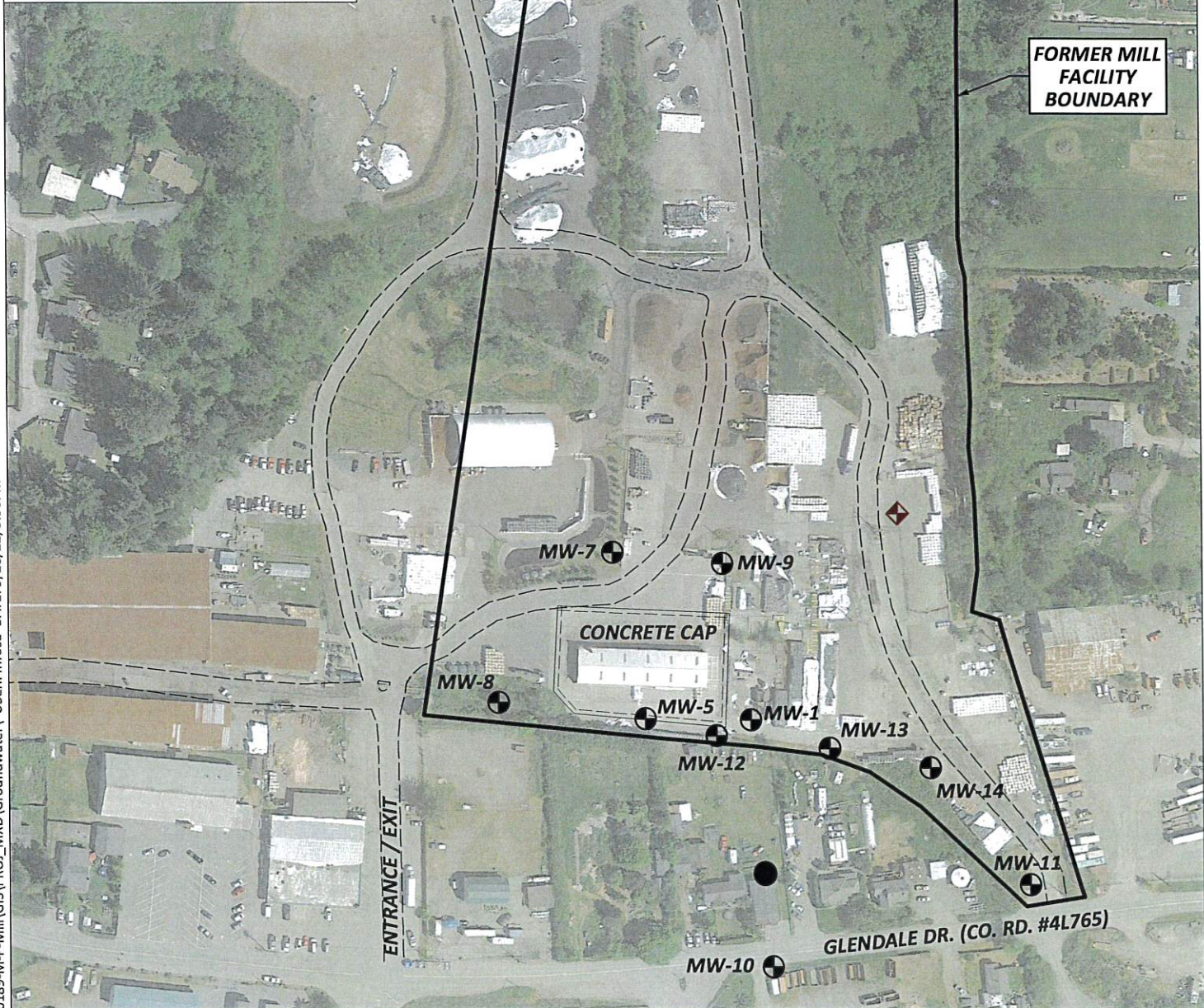
	<p>Former McNamara &amp; Peepe Lumber Mill Groundwater Monitoring 1619 Glendale Drive, Arcata, California</p>	<p>Groundwater Elevation Contours August 23, 2022 SHN 020189.030</p>
Image Source: Google Earth, 2019	October 2022	GW_Fig3_GWCs
		Figure 3

**EXPLANATION**

- PRIVATE WELL
- ◆ PRODUCTION WELL
- ⊕ MONITORING WELL
- - - FIRE ACCESS ROAD
- ▭ CONCRETE CAP AREA
- ▭ FORMER MILL BOUNDARY



IMAGE SOURCE:  
GOOGLE EARTH, 2019



**FORMER MILL  
FACILITY  
BOUNDARY**

CONCRETE CAP

ENTRANCE / EXIT

GLENDALE DR. (CO. RD. #4L765)

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

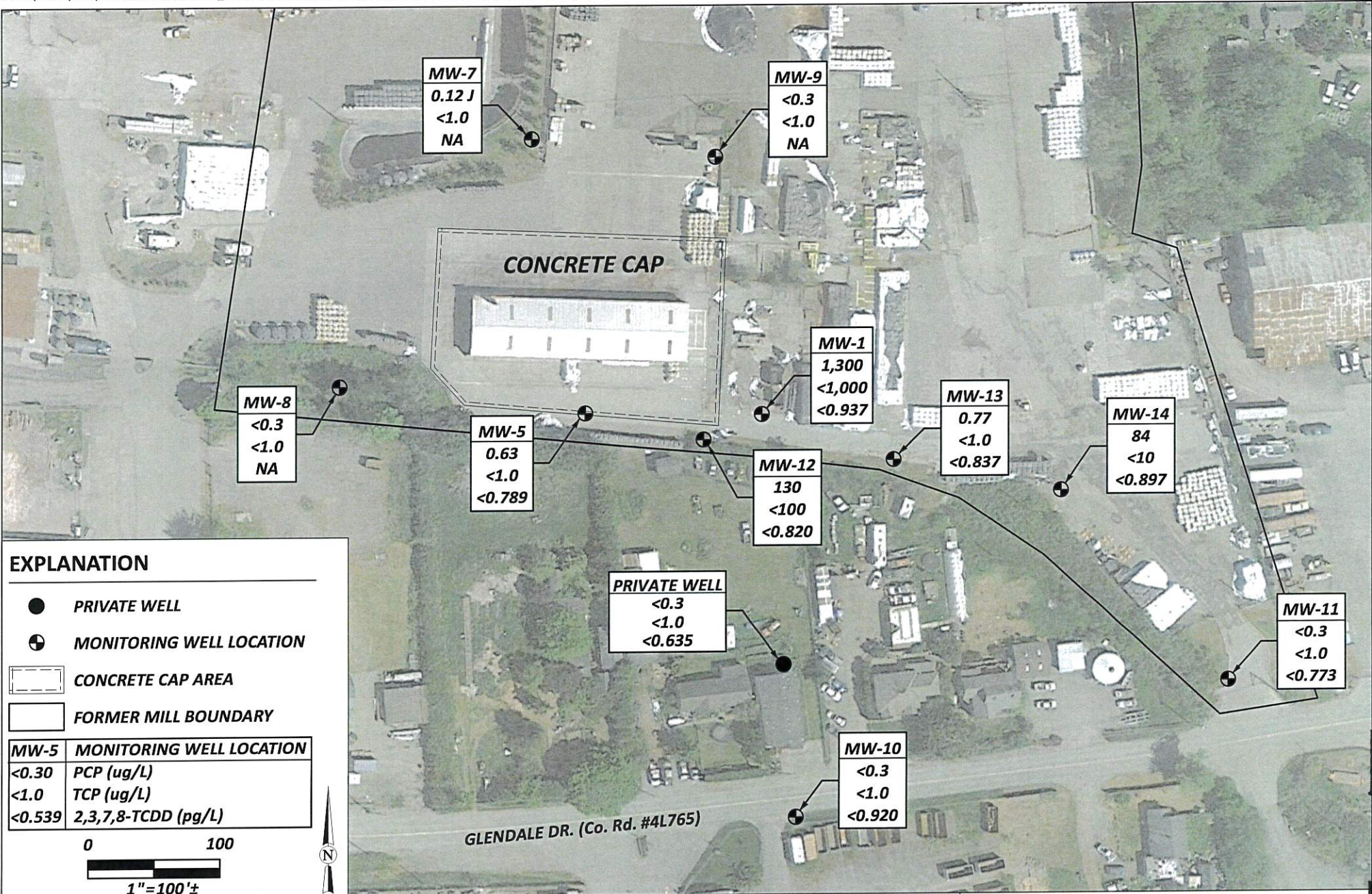
Site Plan

SHN 020189.030

September 2022

GW\_Fig2\_SitePlan

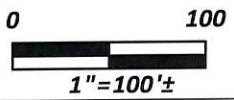
Figure 2



**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)



SECTION 8.2 C PAGE NO. 3

Image Source:  
Google Earth, 2019



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

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

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

<sup>a</sup> 2,3,7,8-TCDD: 2,3,7,8-Tetrachlorodibenzodioxin was analyzed in general accordance with EPA Method 8290

<sup>b</sup> 2005 WHO TEQ: 2005 World Health Organization's Toxic Equivalency Factor

<sup>c</sup> 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.

<sup>d</sup> ug/L: micrograms per liter

<sup>e</sup> <: "less than" the stated method detection limit

<sup>f</sup> **Bold** values indicate an exceedance of the MCL or PHGs.

<sup>g</sup> 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.

<sup>h</sup> NA: not analyzed

<sup>j</sup> **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.

<sup>j</sup> MCL: maximum contaminant level, State Water Resources Control Board (March 13, 2019).

<sup>k</sup> NR: no reference

<sup>l</sup> 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 (DIPF)	
	Units			µg/L		mg/L		µg/L		mg/L			µg/L	
MW-1	5/13/2015	690 <sup>a</sup>	14	--	--	--	--	--	--	--	--	--	--	
	5/13/2015 (FD)	560 <sup>a</sup>	12	--	--	--	--	--	--	--	--	--	--	
	11/11/2015	610 <sup>a</sup>	120	--	--	--	--	--	--	--	--	--	--	
	11/11/2015 (FD)	670 <sup>a</sup>	120	--	--	--	--	--	--	--	--	--	--	
	5/23/2016	830 <sup>a</sup>	7.1	--	--	--	--	--	--	--	--	--	--	
	5/23/2016 (FD)	1,100 <sup>a</sup>	8	--	--	--	--	--	--	--	--	--	--	
	12/14/2016	1.2 <sup>a</sup>	<1.0	<5.0	<5.0	0.99	25	<100	<10	18	19	--	--	
	12/14/2016 (FD)	1.2 <sup>a</sup>	<1.0	--	--	--	--	--	--	--	--	--	--	
	5/8/2017	570 <sup>a</sup>	8.4	--	--	--	--	--	--	--	--	--	--	
	5/8/2017 (FD)	530 <sup>a</sup>	7.9	--	--	--	--	--	--	--	--	--	--	
	8/21/2019	1,200 <sup>a</sup>	29	--	<1.0	--	--	--	--	--	--	740 AJ	1.7	
	3/5/2021	460 <sup>a</sup>	5.6	--	--	--	--	--	--	--	--	--	--	
	2/22/2022	920 <sup>a</sup>	9.7	--	--	--	--	--	--	--	--	--	--	
	8/23/2022	1300 <sup>a</sup>	<1,000 B9	--	--	--	--	--	--	--	--	--	--	
MW-5	5/13/2015	35 <sup>a</sup>	4.3	--	--	--	--	--	--	--	--	--	--	
	11/11/2015	65 <sup>a</sup>	3.3	--	--	--	--	--	--	--	--	--	--	
	5/23/2016	56 <sup>a</sup>	1.6	--	--	--	--	--	--	--	--	--	--	
	12/14/2016	39 <sup>a</sup>	2.3	<5.0	<5.0	<0.10	330	600	<10	12	45	--	--	
	5/8/2017	46 <sup>a</sup>	2.3	--	--	--	--	--	--	--	--	--	--	
	8/21/2019	--	--	--	--	--	--	--	--	--	--	--	--	
	3/5/2021	18	<1.0	--	--	--	--	--	--	--	--	--	--	
	2/22/2022	19	1.1	--	--	--	--	--	--	--	--	--	--	
	8/23/2022	0.63	<1.0	--	--	--	--	--	--	--	--	--	--	
	5/13/2015	0.39	<1.0	--	--	--	--	--	--	--	--	--	--	
MW-7	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		0.13 J	<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	--	--	--	--	--	--	--	--	--	--	
	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 <sup>a</sup>	<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	--	--	--	--	--	--	--	--	--	--	
MW-12	8/23/2022	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--	
	5/13/2015	52 <sup>a</sup>	<1.0	--	--	--	--	--	--	--	--	--	--	
	11/11/2015	51 <sup>a</sup>	<1.0	--	--	--	--	--	--	--	--	--	--	
	5/23/2016	120 <sup>a</sup>	<1.0	--	--	--	--	--	--	--	--	--	--	
	12/14/2016	46 <sup>a</sup>	<1.0	<5.0	<5.0	0.13	<15	<100	<10	5.4	28	--	--	
	5/8/2017	81 <sup>a</sup>	<1.0	--	--	--	--	--	--	--	--	--	--	
	8/21/2019	110 <sup>a</sup>	1.7	--	--	--	--	--	--	--	--	--	--	
	3/5/2021	120 <sup>a</sup>	<1.0	--	--	--	--	--	--	--	--	--	--	
	2/22/2022	120 <sup>a</sup>	0.49 J	--	--	--	--	--	--	--	--	--	--	
8/23/2022	130 <sup>a</sup>	<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 <sup>a</sup>	1.7	--	--	--	--	--	--	--	--	--	--	
	8/23/2022	84 <sup>a</sup>	<10 B9	--	--	--	--	--	--	--	--	--	--	





Table 2-4 Dioxin Analytical Results McNamara and Peepe Lumber Mill																										
Well Name	Date	2,3,7,8-TCDD	1,2,3,4,6,7,8-HpCDD	Total HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	Total HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	Total HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	2,3,4,6,7,8-HxCDF	Total HxCDF	OCDD	OCDF	1,2,3,7,8-PeCDD	Total PeCDD	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	Total PeCDF	2,3,7,8-TCDF	Total TCDF	TEQ	
	CA MCL	30 pg/L	N/A																							
	CA PHG	0.05 pg/L	N/A																							
MW-1	10/18/2010	0	180	330	44 J		200								32	1700	-									2.8
	11/3/2011	<10	110 J	200	27 J		130								32	1100 J	-									4.67 J
	11/3/2011 (FD)	<10	110 J	200	28 J		130								37	1000 J	-									4.38 J
	8/21/2019	0	520	970	100	6 J	550	2.2 J	22 J	ND	75	ND			73	5500*	340									31
	3/5/2021	<0.941	3760	7010	975	63.8	4350	8.11 J	166	12.3 J	623	103	5.82 J	17.4 J	4310 D,M	39,300	2910	<1.52	122	14.8 J	<1.20	474 D,M	<0.690	103 D,M	93.6	
	2/22/2022	<0.727	1,690	3,200	339	339	1,710	4.25 J	70	5.91 J	260	<2.11	<2.90	<2.06	2,060 D,M	17,000	1,150	<1.35	44	8.84 J	<1.48	246 D,M	<0.717	69.9 D,M	34.2	
	8/23/2022	<0.937	1,630	3,110	341	25.1 J	1,730	5.14 J	64.3	5.01 J	254	<2.03	<2.53	9.55 J	2,030 D,M	17,400	1,230	<1.40	23.6 J	<2.01	<1.96	275 D,M	<0.919	73.6 D,M	34	
MW-5	10/18/2010	0	0	0	0		0								0	180	-									0.054
	10/18/2010 (FD)	0	0	0	0		0								0	160	-									0.048
	11/3/2011	<9.9	<3.4 UJ	<8.0 U	<1.2 UJ		<2.6 U								<3.1 U	37 J	-									0.573 U
	3/5/2021	<0.622	3.04 J	5.56 J	<1.34	<1.91	<1.91	<1.19	<1.27	<1.21	<1.27	<1.10	<1.51	<1.12	<1.51	19.1 J	<2.57	<0.935	<0.935	<0.852	<0.817	<0.852	<0.600	<0.600	0.0361	
	2/22/2022	<0.696	2.75 J	6.52 J	<1.64	<2.09	<2.09	<1.49	<1.60	<1.42	<1.60	<1.19	<1.65	<1.17	<1.65	19.5 J	<2.20	<1.69	<1.69	<1.36	<1.17	<1.37	<0.770	<0.770	0.0334	
	8/23/2022	<0.789	<5.03	<5.03	<1.30	<1.85	<1.85	<1.24	<1.30	<1.19	<1.30	<0.971	<1.38	<0.946	<1.38	34.6 J	<3.11	<0.930	<0.930	<0.590	<0.622	<0.547	1.37 J		0.0104	
MW-10	10/18/2010	0	0	0	0		0								0	0	-									0
	8/21/2019	0	4.6 J	4.6 J	<52	<52	<52	<52			ND			35 J*	<52	<100	<100									0.1
	8/21/2019 (FD)	0	11 J*	19 J*	3.6 J*	8.1 J	18 J*	2.4 J*	0.85 J*	0.85 J*	6.8 J*	1.3 J*	13 J*	64 J*	<55	<110	<110	0.64 J*	2.4 J*	0.53 J*	6.6 J*	0.45 J*	0.43 J*	0.43 J*	3.7	
	3/5/2021	<0.539	3.86 J	7.26 J	<1.39	<1.72	<1.72	<1.11	<1.15	<1.11	<1.15	<1.24	<1.56	<1.26	<1.56	17.3 J	<2.61	<0.824	<0.824	<0.976	<0.951	<0.976	<0.731	<0.731	0.0438	
	2/22/2022	<0.652	50.8	92.3	12.5 J	<1.37	33.1	<1.64	3.42 J	2.64 J	18.2 J	<1.25	<1.75	<1.23	27.1 D,M	347	38.7 J	<1.20	<1.20	<0.989	<0.961	10.9 J	<0.652	4.28 J	1.35	
	2/22/2022 (FD)	<0.658	30.4	55.0	8.11 J	<1.18	20.7 J	<1.94	<1.32	<1.73	7.70 J	<1.47	<1.99	<1.42	16.9 D,M	221	24.7 J	<1.35	<1.35	<0.898	<0.873	5.86 J	<0.743	3.01 J	0.459	
	8/23/2022	<0.920	73.7	134	19.8 J	<2.07	54.1	4.00 J	4.45 J	4.48 J	30.3	<1.09	<1.47	<1.31	39.7 D,M	520	62.4	<2.07	<2.07	<0.968	<0.949	18.7 D,M	0.883	10.1 D,M	2.40	
	8/23/2022 (FD)	<0.956	59.5	108.0	18.0 J	<1.75	44.2	4.15 J	4.08 J	3.79 J	26.0 J	<1.36	<1.75	<1.49	38.9 D,M	398	49.5 J	<1.89	<1.89	<0.926	<0.920	16.3 D,M	<0.883	12.5 D,M	2.11	
MW-11	10/18/2010	0	0	0	0		0								0	0	-									0
	2/22/2022	0.983	7.05 J	13.5 J	<1.85	<2.24	<2.24	<1.96	<1.94	<1.79	<1.96	<1.27	<1.78	<1.27	3.97 J	33.2 J	3.15	<1.77	<1.77	<1.53	<1.52	4.81 J	<0.946	5.17	0.0805	
	8/23/2022	<0.773	5.92 J	11.8 J	<0.942	<1.39	11.6 J	<2.09	<2.19	<2.00	<2.19	<1.06	<1.34	<1.13	3.66 D,M	25.5 J	<3.85	<1.17	<1.17	<0.601	<0.622	3.50 D,M	<0.755	8.46 D,M	0.0669	
MW-12	3/5/2021	<0.542	2.37 J	6.27 J	<1.63	<2.15	<2.15	<1.52	<1.55	<1.51	<1.55	<1.39	<1.89	<1.39	1.89	15.5 J	<2.42	<0.976	<0.882	<0.828	<0.882	<0.717	<0.717	<0.0284		
	2/22/2022	<0.656	2.78 J	6.36 J	<1.31	<1.70	<1.70	<2.07	<2.19	<1.96	<2.19	<0.859	<1.21	<0.857	1.99 J	19.8 J	<2.82	<1.24	<1.24	<1.33	<1.32	<1.33	<0.675	<0.675	0.0337	
	8/23/2022	<0.820	<2.69	<2.69	<0.851	<1.23	<1.23	<1.56	<1.55	<1.45	<1.56	<1.20	<1.62	<1.18	<1.62	17.1 J	<2.05	<0.969	<0.969	<0.718	<0.761	<0.761	<0.818	<0.818	0.00513	
MW-13	2/22/2022	<0.677	<1.83	<1.83	<1.23	<1.69	<1.69	<1.38	<1.45	<1.40	<1.45	<0.855	<1.19	<0.850	<1.19	13.3 J	<1.90	<0.928	<0.928	<0.866	<0.822	<0.866	<0.767	<0.767	0.00399	

**EXPLANATION**

● STORM WATER  
SAMPLE LOCATION

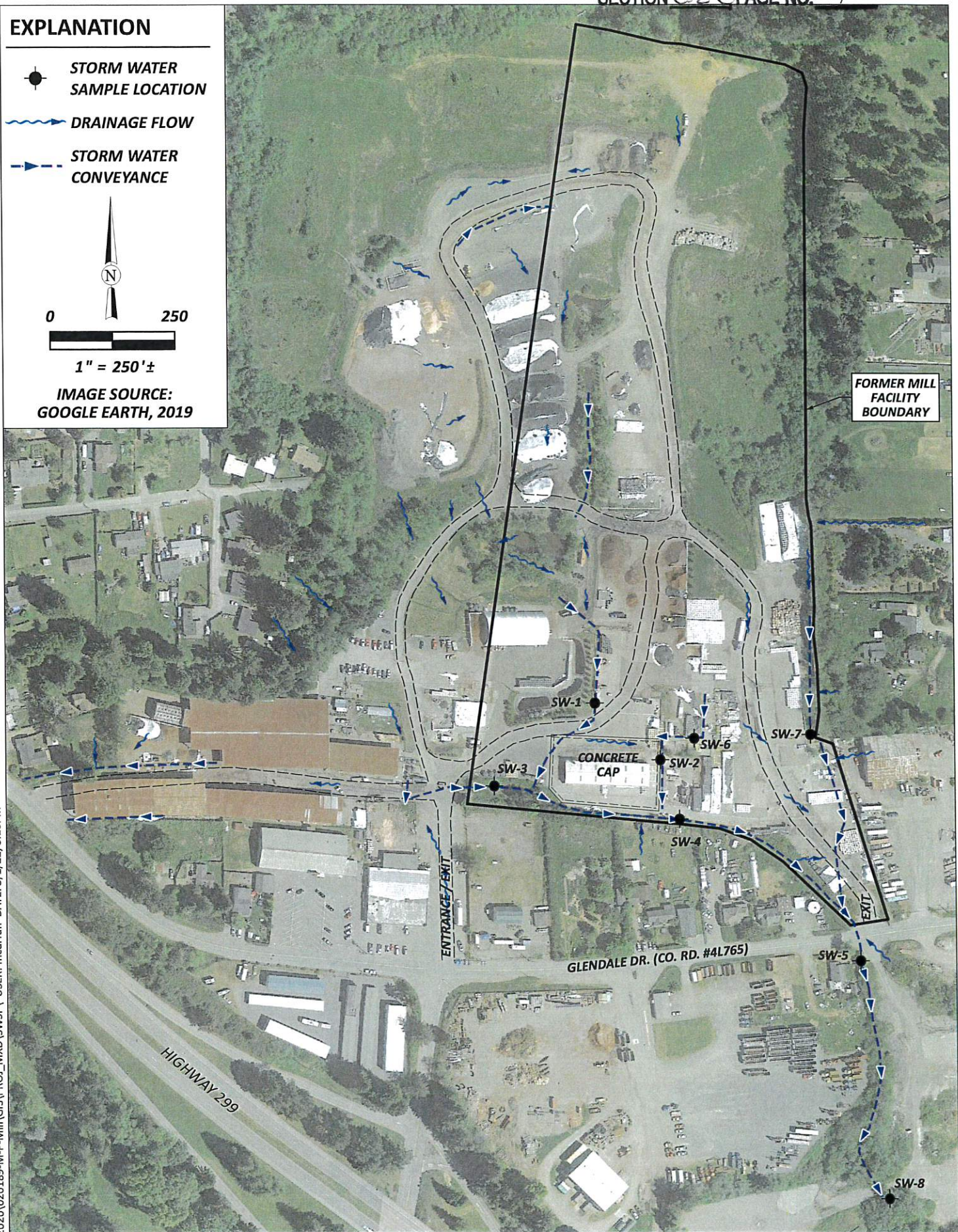
~ DRAINAGE FLOW

— STORM WATER  
CONVEYANCE



1" = 250'±

IMAGE SOURCE:  
GOOGLE EARTH, 2019



\\leureka\projects\2020\020189-M-P-Mill\GIS\PROJ\_MXD\SWSP\ USER: mcarran 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\_Fig2\_SitePlan\_20220111

Figure 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

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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-tetrachlorobenzene-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**

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

Sample Location	2,3,7,8-TCDD <sup>a</sup> (pg/L) <sup>b</sup>	2005 WHO TEQ <sup>c</sup> (pg/L)	PCP <sup>d</sup> (ug/L) <sup>e</sup>	TCP <sup>d</sup> (ug/L)
SW-1	<0.714 <sup>f</sup>	0.00	<0.30	<1.0
SW-2	< 1.36	1.73 J <sup>g</sup>	<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
<b>MCL<sup>h</sup></b>	<b>30</b>	<b>NR<sup>i</sup></b>	<b>1.0</b>	<b>NR</b>
<b>PHGs<sup>j</sup></b>	<b>0.05</b>	<b>NR</b>	<b>0.3</b>	<b>NR</b>

<sup>a</sup> 2,3,7,8-TCDD: 2,3,7,8-Tetrachlorodibenzodioxin was analyzed in general accordance with EPA Method 8290

<sup>b</sup> pg/L: picograms per liter

<sup>c</sup> 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).

<sup>d</sup> 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

<sup>e</sup> ug/L: micrograms per liter

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

<sup>g</sup> J: The amount detected is below the Reporting Limit/Limit of Quantitation.

<sup>h</sup> MCL: maximum contaminant level, State Water Resources Control Board, March 13, 2019

<sup>i</sup> NR: no reference

<sup>j</sup> 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.



Sample Location	Date	2,3,7,8-TCDD <sup>a</sup> (pg/L) <sup>b</sup>	2005 WHO TEQ <sup>c</sup> (pg/L)	PCP <sup>d</sup> (ug/L) <sup>e</sup>	TCP <sup>d</sup> (ug/L)
SW-1	2/18/21	<0.512 <sup>f</sup>	0.0736 J <sup>g</sup>	<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) <sup>h</sup>	<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



<b>Table 3-1</b>					
<b>Historical Storm Water Sample Results</b>					
<b>Former McNamara and Peepe Lumber Mill, Arcata, California</b>					
Sample Location	Date	2,3,7,8-TCDD <sup>a</sup> (pg/L) <sup>b</sup>	2005 WHO TEQ <sup>c</sup> (pg/L)	PCP <sup>d</sup> (ug/L) <sup>e</sup>	TCP <sup>d</sup> (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
<b>MCL<sup>i</sup></b>		<b>30</b>	<b>NR<sup>j</sup></b>	<b>1.0</b>	<b>NR</b>
<b>PHGs<sup>k</sup></b>		<b>0.05</b>	<b>NR</b>	<b>0.3</b>	<b>NR</b>

<sup>a</sup> 2,3,7,8-TCDD: 2,3,7,8-Tetrachlorodibenzodioxin was analyzed in general accordance with EPA Method 8290

<sup>b</sup> pg/L: picograms per liter

<sup>c</sup> 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).

<sup>d</sup> 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

<sup>e</sup> ug/L: micrograms per liter

<sup>f</sup> <: "less than" the stated laboratory reporting limit

<sup>g</sup> J: estimated value

<sup>h</sup> (F): Field filtration prior to sample collection using a new 0.45-micron filter

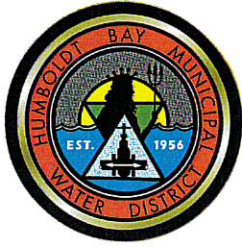
<sup>i</sup> MCL: maximum contaminant level, State Water Resources Control Board, March 13, 2019

<sup>j</sup> NR: no reference

<sup>k</sup> PHGs: California public health goals, Office of Environmental Health Hazard Assessment, March 13, 2019



**NEW  
BUSINESS**



# 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](mailto:OFFICE@HBMWD.COM)  
Website: [www.hbmwd.com](http://www.hbmwd.com)

**BOARD OF DIRECTORS**

NEAL LATT, PRESIDENT  
MICHELLE FULLER, VICE-PRESIDENT  
J. BRUCE RUPP, SECRETARY-TREASURER  
DAVID LINDBERG, ASSISTANT SECRETARY-TREASURER  
SHERI WOO, DIRECTOR

**GENERAL MANAGER**

JOHN FRIEDENBACH

August 17, 2023

Ryan Derby  
Humboldt County Sheriff's Office of Emergency Services  
826 4<sup>th</sup> Street  
Eureka, CA 95501

Re: Letter of Commitment as a Participating Jurisdiction in the Humboldt County  
Multi-jurisdictional Local Hazard Mitigation Plan

Dear Humboldt County Office of Emergency Services,

As the Federal Emergency Management Agency's (FEMA) Local Hazard Mitigation Plan requirements under 44 CFR §201.6 identify criteria for multi-jurisdictional mitigation plans including the participation and collaboration of regional planning and mitigation partners, this letter of commitment is submitted to confirm Humboldt Bay Municipal Water District's participation in the Humboldt County Multi-jurisdictional Local Hazard Mitigation Plan (LHMP) as a Planning Partner.

As a condition of participation, Humboldt Bay Municipal Water District agrees to meet the requirements for mitigation plans identified in 44 CFR §201.6, and to provide timely cooperation and participation to produce a FEMA-approved LHMP with the County of Humboldt.

Humboldt Bay Municipal Water District understands that it must engage in the following planning processes, as detailed in FEMA's Local Mitigation Planning Policy Guide dated April 19, 2023. Planning processes include, but are not limited to the following:

- Review of existing Humboldt County Multi-jurisdictional Local Hazard Mitigation Plan
- Identification of local hazards, risk assessment, and vulnerability analysis
- Participation in the formulation of mitigation goals and actions
- Participation in community engagement and public outreach in the development of the Plan update
- Timely response to requests for information by the coordinating agency and consultants, and adherence to established deadlines



- Formal adoption of the Multi-jurisdictional Local Hazard Mitigation Plan update by the Planning Partner jurisdiction's governing body
- Tracking and monthly submission of personnel hours spent on the hazard mitigation planning effort, to meet the match requirement for the grant.

*Therefore, with a full understanding of the obligations incurred by participating in the FEMA hazard mitigation planning process as a named Planning Partner in a multi-jurisdictional plan, I \_\_\_\_\_*

*Neal Latt, President*

*commit Humboldt Bay Municipal Water District to the Humboldt County Multi-jurisdictional Hazard Mitigation Planning effort.*

Executed this 17 day of August, 2023.

Neal Latt, President

**Humboldt Bay Municipal Water District**

To: Board of Directors  
From: John Friedenbach  
Date: August 17, 2023

**Letter of Commitment as a Participating Jurisdiction in the Humboldt County  
Multi-jurisdictional Local Hazard Mitigation Plan****Background**

The Federal Emergency Management Agency (FEMA) encourages multi-jurisdictional planning for hazard mitigation. All participating jurisdictions must meet the requirements of Chapter 44 of the Code of Federal Regulations (44 CFR):

“Multi-jurisdictional plans (e.g., watershed plans) may be accepted, as appropriate as long as each jurisdiction has participated in the process and has officially adopted the plan.” (Section 201.6(a)(4))

For the Humboldt County Operational Area Hazard Mitigation Plan 2019, a planning partnership was formed to leverage resources and to meet requirements of the federal Disaster Mitigation Act for as many eligible local governments as possible. The disaster Mitigation Act defines a local government as follows: “Any county, municipality, city, town, township, public authority, school district, special district, intrastate district, council of governments (regardless of whether the council of governments is incorporated as a nonprofit corporation under State law), regional or interstate government entity, or agency or instrumentality of a local government: any Indian tribe or authorized tribal organization, or Alaska Native village or organization: and any rural community, unincorporated town or village, or other public entity.” In addition, federally recognized tribes may participate in local/tribal multi-jurisdictional plans as long as the requirements of section 201.7 of 44 CFR are met for tribal components of the plan.

Two types of planning partners participated in the process for the Humboldt County Operational Area Hazard Mitigation Plan 2019, with distinct needs and capabilities: incorporated municipalities and Special Districts.

**Planning partner expectations**

The expectations provided by the planning partners are as follows:

- Complete a letter of intent
- We designate a lead point of contact
- Support and participate in selection and functions of the Steering Committee
- Attend mandatory jurisdictional annex workshop and complete the jurisdictional annex
- Perform a review of all studies, plans and ordinances specific to hazards
- Review risk assessment and identify hazards specific to the jurisdiction
- Create an action plan identifying each project, who will oversee it, how it will be financed and when it will occur

**Discussion**

By adopting this plan as a planning partner, HBMWD agrees to implementing and maintaining protocol. Currently the County's local Hazard Mitigation Plan is on a 5-year renewal cycle with HBMWD, which is scheduled for 2025. Participating in the FEMA mitigation funding has allowed funding capital improvement plan projects for HBMWD. In order to continue to receive federal grant funding we must be a participant in the above mentioned LHMP.

**Recommendation**

Staff recommends the board agree to continue our participation in the Humboldt County Multi-Jurisdictional Local Hazard Mitigation Plan.

H.B.M.W.D. AUG - 2 2023

AIMAN-SMITH & MARCY  
PROFESSIONAL CORPORATION

June 28, 2023

To Whom It May Concern:

My firm represents Cari McCormick. Enclosed you will find an administrative charge, with exhibits, filed by Ms McCormick with the California Civil Rights Department, naming as respondents the California Public Employees' Retirement System, Lake County, and the State of California.

As the charge explains, Ms McCormick's claims concern how certain pension benefits are calculated and paid through CalPERS. Those claims are brought *on behalf of* a putative class of California public employees ("Plaintiff Class"). Those claims are brought *against* a putative class of California public entity employers who employed one or more members of the proposed plaintiff class ("Defendant Class"). Ms McCormick will propose that the State of California, as represented by the California Attorney General's Office, serve as class representative for the proposed Defendant Class.

We have reason to believe your public entity may have employed one or more members of the proposed Plaintiff Class, because your public entity contracts to pay pension benefits through CalPERS. For that reason, we are serving Ms McCormick's FEHA charge on your public entity pursuant to Government Code section 12962(b). In addition, to the extent the government claim presentation requirements may apply, we hereby present the enclosed charge as a government claim.

For more information, please see the enclosed charge.

Regards,

AIMAN-SMITH & MARCY  
PROFESSIONAL CORPORATION

/s/ Brent A. Robinson

Counsel for Plaintiff Cari McCormick  
[bar@asmlawyers.com](mailto:bar@asmlawyers.com)

Enclosures



STATE OF CALIFORNIA | Business, Consumer Services and Housing Agency

GAVIN NEWSOM, GOVERNOR

KEVIN KISH, DIRECTOR

Civil Rights Department

2218 Kausen Drive, Suite 100 | Elk Grove | CA | 95758  
800-834-1684 (voice) | 800-700-2320 (TTY) | California's Relay Service at 711  
calcivilrights.ca.gov | contact.center@calcivilrights.ca.gov

June 8, 2023

Brent Robinson  
Aiman-Smith & Marcy, 7677 Oakport Street, Suite 1150  
Oakland, California 94621

RE: **Notice to Complainant's Attorney**  
CRD Matter Number: 202306-20925508  
Right to Sue: McCormick / California Public Employees' Retirement System et al.

Dear Brent Robinson:

Attached is a copy of your complaint of discrimination filed with the Civil Rights Department (CRD) pursuant to the California Fair Employment and Housing Act, Government Code section 12900 et seq. Also attached is a copy of your Notice of Case Closure and Right to Sue.

**Pursuant to Government Code section 12962, CRD will not serve these documents on the employer.** You must serve the complaint separately, to all named respondents. Please refer to the attached Notice of Case Closure and Right to Sue for information regarding filing a private lawsuit in the State of California. A courtesy "Notice of Filing of Discrimination Complaint" is attached for your convenience.

Be advised that the CRD does not review or edit the complaint form to ensure that it meets procedural or statutory requirements.

Sincerely,

Civil Rights Department



STATE OF CALIFORNIA | Business, Consumer Services and Housing Agency

GAVIN NEWSOM, GOVERNOR

**Civil Rights Department**

KEVIN KISH, DIRECTOR

2218 Kausen Drive, Suite 100 | Elk Grove | CA | 95758  
800-884-1684 (voice) | 800-700-2320 (TTY) | California's Relay Service at 711  
calcivilrights.ca.gov | contact.center@calcivilrights.ca.gov

June 8, 2023

**RE: Notice of Filing of Discrimination Complaint**

CRD Matter Number: 202306-20925508

Right to Sue: McCormick / California Public Employees' Retirement System et al.

To All Respondent(s):

Enclosed is a copy of a complaint of discrimination that has been filed with the Civil Rights Department (CRD) in accordance with Government Code section 12960. This constitutes service of the complaint pursuant to Government Code section 12962. The complainant has requested an authorization to file a lawsuit. A copy of the Notice of Case Closure and Right to Sue is enclosed for your records.

Please refer to the attached complaint for a list of all respondent(s) and their contact information.

No response to CRD is requested or required.

Sincerely,

Civil Rights Department



STATE OF CALIFORNIA | Business, Consumer Services and Housing Agency

GAVIN NEWSOM, GOVERNOR

KEVIN KISH, DIRECTOR

**Civil Rights Department**

2218 Kausen Drive, Suite 100 | Elk Grove | CA | 95758  
800-884-1684 (voice) | 800-700-2320 (TTY) | California's Relay Service at 711  
calcivilrights.ca.gov | contact.center@calcivilrights.ca.gov

June 8, 2023

Cari McCormick

RE: **Notice of Case Closure and Right to Sue**  
CRD Matter Number: 202306-20925508  
Right to Sue: McCormick / California Public Employees' Retirement System et al.

Dear Cari McCormick:

This letter informs you that the above-referenced complaint filed with the Civil Rights Department (CRD) has been closed effective June 8, 2023 because an immediate Right to Sue notice was requested.

This letter is also your Right to Sue notice. According to Government Code section 12965, subdivision (b), a civil action may be brought under the provisions of the Fair Employment and Housing Act against the person, employer, labor organization or employment agency named in the above-referenced complaint. The civil action must be filed within one year from the date of this letter.

To obtain a federal Right to Sue notice, you must contact the U.S. Equal Employment Opportunity Commission (EEOC) to file a complaint within 30 days of receipt of this CRD Notice of Case Closure or within 300 days of the alleged discriminatory act, whichever is earlier.

Sincerely,

Civil Rights Department

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**COMPLAINT OF EMPLOYMENT DISCRIMINATION  
BEFORE THE STATE OF CALIFORNIA**  
Civil Rights Department  
**Under the California Fair Employment and Housing Act  
(Gov. Code, § 12900 et seq.)**

**In the Matter of the Complaint of**

Carl McCormick

CRD No. 202306-20925508

Complainant,

vs.

California Public Employees' Retirement System  
Lincoln Plaza East 400 Q Street Room 1820  
Sacramento, CA 95811

Lake County  
255 North Forbes Street  
Lakeport, CA 95453

State of California  
c/o Attorney General Rob Bonta, Department of  
Justice, P.O. Box 944255  
Sacramento, CA 94244-2550

Respondents

---

**1. Respondent California Public Employees' Retirement System is an employer subject to suit under the California Fair Employment and Housing Act (FEHA) (Gov. Code, § 12900 et seq.).**

**2. Complainant is naming Lake County business as Co-Respondent(s).  
Complainant is naming State of California business as Co-Respondent(s).**

**3. Complainant Cari McCormick, resides in the City of , State of .**

**4. Complainant alleges that on or about June 1, 2023, respondent took the following adverse actions:**

**Complainant was discriminated against because of complainant's age (40 and over) and as a result of the discrimination was denied equal pay, other.**



1 **Additional Complaint Details:** See Exhibits A, B, and C attached hereto.

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1 VERIFICATION

2 I, **Brent A. Robinson**, am the **Attorney** in the above-entitled complaint. I have read  
3 the foregoing complaint and know the contents thereof. The matters alleged are  
4 based on information and belief, which I believe to be true.

5 On June 8, 2023, I declare under penalty of perjury under the laws of the State of  
6 California that the foregoing is true and correct.

7 **San Francisco, CA**

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**EXHIBIT A**



### Exhibit A – Claim Narrative

Plaintiff Cari McCormick is an individual.

Defendants California Public Employees' Retirement System ("CalPERS"), State of California, and County of Lake are California governmental entities.

Plaintiff is ignorant of the true names or capacities of defendants named herein as Does 1 through 3,000, inclusive, and therefore identifies these defendants by these fictitious names. Each of the defendants named herein or designated as a Doe, is liable or in some manner legally responsible for the events alleged herein.

Plaintiff seeks to have the State of California, represented by the California Attorney General's Office, appointed to represent a defendant class, which includes all public entities that both employed one or more Plaintiffs, and are liable for employer-side retirement contributions for one or more Plaintiffs. A list of public entities believed to potentially be included within that defendant class, based on their listing as employers within the 2021-2022 Annual Comprehensive Financial Report published by CalPERS, is attached as Exhibit C.

Plaintiff refers to all defendants here collectively as "Defendants."

Plaintiff seeks to represent a plaintiff class of similarly situated persons. The class includes all persons who were employed by Defendants; who were at or over age 40 at the time they became members of the CalPERS system; who applied for and were granted ordinary disability retirement; whose retirement benefits are administered by CalPERS; and either (1) who have ever received disability retirement benefit payments pursuant to Government Code section 21423, who were over age 41 at membership in CalPERS, and who at retirement were credited with 18.518 or fewer years of actual service; or (2) who have ever received disability retirement benefit payments pursuant to Government Code section 21098, and who at retirement were credited with 24.691 or fewer years of actual service; or (3) who have ever received disability retirement benefit payments pursuant to Government Code section 21424, and who at retirement were credited with 29.629 or fewer years of actual service.

Plaintiff was employed by County of Lake; was over age 40 at membership in CalPERS; applied for and was granted ordinary disability retirement; receives benefits administered by CalPERS; and presently receives monthly disability benefit payments pursuant to one of the sections listed above. *See, generally, McCormick v. Public Employees' Retirement System* (2019) 41 Cal.App.5th 428.

Plaintiff refers to herself and the proposed plaintiff class collectively as "Plaintiffs."

At all relevant times, each of the Defendants was the agent of each of the remaining Defendants and, in doing the things alleged herein, was acting with the course and scope of such agency.

Exhibit A  
Page 2

Each of the Defendants' actions or omissions as alleged herein was ratified by each of the remaining Defendants. Each of the acts or omissions of a Defendant's agents as alleged herein was ratified by that Defendant, as well as by each of the remaining Defendants. Each of the Defendants had knowledge of unlawful discrimination practiced upon its employees by the other Defendants, and failed to thereafter take all reasonable steps to prevent further discrimination against its employees. Each of the Defendants provided substantial assistance or encouragement to the other Defendants in the discrimination alleged here, and thereby caused harm to Plaintiff and the proposed class. Each of the Defendants had knowledge of the discrimination alleged here, and cooperated in that discrimination. For purposes of the discrimination alleged here, each of the Defendants was a joint employer and engaged in a joint venture, including by engaging in a combination of resources to carry out a single undertaking, with each having separate ownership interests in the joint undertaking, joint control, and an agreement to share profits and losses of that joint undertaking.

California law governs Plaintiffs' retirement benefits, and provides for ordinary disability retirement benefits for certain public employees such as Plaintiff who are rendered unable to do their job by any non-industrial long-term disability.

California law calculates such ordinary disability retirement benefits in a way that discriminates based on advanced age at membership. Government Code sections 21098, 21424, and 21423 each provides for younger employees to receive an ordinary disability retirement benefit equal to at least 33.333% of their final compensation. By contrast, older employees receive significantly reduced benefits, because those benefits are based on imputed years of service through age 60. For example, assume two state miscellaneous first-tier employees are otherwise identical, except that one was hired at age 18, the other at age 49. Each puts in 10 years of actual credited service, and each is forced to retire due to disabilities. The 18-year-old-at-hire will receive a benefit equal to 33.333% of his final compensation, because the formula gives him service credit as if he had worked without interruption through age 60. By contrast, the 49-year-old-at-hire will receive a benefit equal to just 19.8% under section 21423, with the difference in benefit amounts solely due to the older employee's advanced age.

Defendants are liable for disparate treatment. Defendants are qualifying employers, and employed Plaintiffs. Plaintiffs were over age 40 at membership. Defendants paid Plaintiffs reduced retirement benefits compared to employees younger at membership. Plaintiffs' age over 40 at membership was a substantial motivating factor in Defendants' determination and payment of the amount of Plaintiffs' disability retirement benefits. Plaintiffs have been harmed. Defendants' payment of reduced benefits to Plaintiffs is a substantial factor in causing them harm.

Defendants are also liable for pattern-or-practice of intentional discrimination. Discrimination is Defendants' standard operating procedure, rather than an unusual practice, and that standard operating procedure is a substantial factor in harming Plaintiffs.

Exhibit A

Page 3

Defendants are also liable for disparate impact. Defendants are qualifying employers, and employed Plaintiffs. Plaintiffs were over age 40 at membership. Defendants maintained a common policy or practice that has a disproportionate adverse effect on persons over age 40 at membership. Plaintiffs have been harmed. Defendants' policy or practice was a substantial factor in causing Plaintiffs' harm.

Defendants are also liable for their failure to prevent discrimination against Plaintiffs. Defendants knew or should have known of the above-alleged discrimination, and failed to take all reasonable steps necessary to prevent the same from occurring, thereby causing harm to Plaintiffs.

Defendants are also liable for breach of contract. At hiring, Defendants promised Plaintiffs future pay in exchange for present work, and Defendants' monthly retirement benefit payments are wages paid after the fact for Plaintiffs' years of labor. *See, e.g., Kern v. Long Beach* (1947) 29 Cal.2d 848, 850-852. The retirement benefit provisions at issue are contractual terms of class members' employment agreements: by those retirement provisions, Defendants promised class members future pay in exchange for present work, and once class members began performance, class members obtained a vested contractual right to the benefits Defendants had promised. *See, e.g., McGlynn v. State of California* (2018) 21 Cal.App.5th 548, 559.

Defendants maintained express written contractual terms of employment that provided for class members to be paid reduced retirement benefits based on their advanced ages at hiring. *See, Gov. Code §§ 21098, 21424, 21423.* Those terms of employment violate or are contrary to overriding state laws (*i.e.*, Gov. Code § 12940, subd. (a)) regulating such terms of employment, by providing for reduced compensation based solely on an employees' advanced age at hiring. To that extent, those terms of employment are contrary to superseding state law, they are illegal contractual terms, they are contrary to public policy, and they are therefore void. *See, Civil Code § 1667.* The unlawful terms of Plaintiffs' contracts with Defendants are severable, such that the illegal contract terms should be severed, and the balance of the contracts enforced. *Armendariz v. Found. Health Psychcare Servs., Inc.* (2000) 24 Cal.4th 83, 124. With illegal contractual terms severed, class members' contracts with the Defendants provide for class members to receive equal retirement benefits.

Alternately, FEHA's prohibition on age discrimination constitutes a contractual term of employment implied by operation of law into Plaintiffs' employment agreements with Defendants, such that Defendants were subject to a contractual duty to pay nondiscriminatory retirement benefits. *See, Castillo v. Express Escrow Company* (2007) 146 Cal.App.4th 1301, 1308 ("all laws in existence when the agreement was made become part of the contract"); *Anderson v. Time Warner Telecom of California* (2005) 129 Cal.App.4th 411, 418 ("All applicable laws are presumed to be known by the parties and to form a part of the agreement as if those laws were expressly referred to and incorporated."); *Coral Farms, L.P. v. Mahony* (2021) 63 Cal.App.5th 719, 731 ("The incorporation of current law into a contract is presumed and does not require a deliberate expression by the parties.").

Exhibit A

Page 4

The terms of Plaintiffs' employment contracts were sufficiently clear that the parties could understand what each was required to do, the parties exchanged consideration, and the parties agreed to terms. Plaintiffs did all, or substantially all, of the significant things their contracts required of them. Defendants failed to pay non-discriminatory benefits under the contracts, or paid discriminatory benefits in violation of the contracts. Plaintiffs were harmed. Defendants' breaches of contract were a substantial factor in causing Plaintiffs' harm.

The harm to Plaintiffs includes the loss of retirement benefits, the loss of additional amounts of money each would have received had he or she not suffered such unlawful discrimination, and harm in the form of humiliation, mental anguish, and emotional distress.

Defendants are also liable for prospective relief for violations of California's Equal Protection clause. Such relief includes declaratory relief, injunctive relief, and issuance of writs of mandamus and/or prohibition.

Thus, Defendants' unlawful policies and practices as alleged adversely affect, in a similar manner, a class of persons of which Plaintiff is a member, and raise substantial questions of law and fact that are common to that class. For those reasons, Plaintiff files this charge on behalf of a class of all others similarly situated, and seeks to represent the same.

**EXHIBIT B**



**AIMAN-SMITH & MARCY**  
PROFESSIONAL CORPORATION

**Exhibit B – Required Claim Information (Gov. Code § 910)**

Name of Claimant:	Cari McCormick
Address of Claimant, and Address Where Notices re Claim Should Be Sent:	Cari McCormick c/o Brent A. Robinson Aiman-Smith & Marcy, PC 7677 Oakport Street, Suite 1150 Oakland, CA 94621
Date, Place, and Other Circumstances of the Occurrence or Transaction which Gave Rise to the Claim Asserted:	Following a decision in favor of Ms McCormick by the First District Court of Appeal in 2019, CalPERS granted Ms McCormick ordinary disability retirement. For additional information about facts giving rise to claim asserted, see Exhibit A.
A General Description of the Loss Incurred:	See Exhibit A for detailed factual narrative.
The Name or Names of the Public Employees Causing the Injury, Damage, or Loss, if Known:	Unknown.
The Amount Claimed If Less than \$10k:	The amount claimed exceeds \$10k.

Note: This Claim is presented on behalf of a class of similarly situated persons. Claimant is the proposed representative claimant. The class description is provided in Exhibit A.

**EXHIBIT C**

**AIMAN-SMITH & MARCY**  
PROFESSIONAL CORPORATION**Exhibit C – List of Potential Defendants**

1. South San Joaquin County Fire Authority
2. Central Fire Protection District of Santa Cruz County
3. California Intergovernmental Risk Authority
4. State of California
5. Alameda County Office of Education
6. Alpine County Office of Education
7. Amador County Office of Education
8. Butte County Office of Education
9. Calaveras County Office of Education
10. Colusa County Office of Education
11. Contra Costa County Office of Education
12. Del Norte County Office of Education
13. El Dorado County Office of Education
14. Fresno County Office of Education
15. Glenn County Office of Education
16. Humboldt County Office of Education
17. Imperial County Office of Education
18. Inyo County Office of Education
19. Kern County Office of Education
20. Kings County Office of Education
21. Lake County Office of Education
22. Lassen County Office of Education
23. Los Angeles County Office of Education
24. Madera County Office of Education
25. Marin County Office of Education
26. Mariposa County Office of Education
27. Mendocino County Office of Education
28. Merced County Office of Education
29. Modoc County Office of Education
30. Mono County Office of Education
31. Monterey County Office of Education
32. Napa County Office of Education
33. Nevada County Office of Education
34. Los Angeles Unified School District
35. Los Angeles Community College District
36. San Diego County Office of Education
37. Alpine County
38. Amador County
39. Butte County
40. Calaveras County
41. Colusa County

## Exhibit C

Page 2

42. Del Norte County
43. El Dorado County
44. Glenn County
45. Humboldt County
46. Inyo County
47. Kings County
48. Lake County
49. Lassen County
50. Madera County
51. Mariposa County
52. Modoc County
53. Mono County
54. Monterey County
55. Napa County
56. Nevada County
57. Placer County
58. Plumas County
59. Riverside County
60. San Benito County
61. San Joaquin County
62. Santa Clara County
63. Santa Cruz County
64. Shasta County
65. Sierra County
66. Siskiyou County
67. Solano County
68. Sutter County
69. Tehama County
70. Trinity County
71. Tuolumne County
72. Yolo County
73. Yuba County
74. Adelanto
75. Agoura Hills
76. Alameda
77. Albany
78. Alhambra
79. Aliso Viejo
80. Alturas
81. American Canyon
82. Anaheim
83. Anderson
84. Angels

## Exhibit C

Page 3

85. Antioch
86. Apple Valley
87. Arcadia
88. Arcata
89. Arroyo Grande
90. Artesia
91. Arvin
92. Atascadero
93. Atherton
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964. Las Gallinas Valley Sanitary District of Marin County
965. Las Virgenes Municipal Water District
966. Lassen County Waterworks District No. 1
967. League of California Cities
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969. Levee District No. 1 of Sutter County
970. Linda County Water District
971. Linda Fire Protection District
972. Linden-Peters Rural County Fire Protection District
973. Lindsay Strathmore Public Cemetery District
974. Little Lake Fire Protection District
975. Littlerock Creek Irrigation District
976. Live Oak Cemetery District
977. Livermore/Amador Valley Transit Authority
978. "Local Agency Formation Commission of  
979. Monterey County"
980. Local Agency Formation Commission of Solano County
981. Local Government Services Authority, a Joint Powers Authority
982. Long Beach City College Associated Student Body Enterprises
983. Long Beach State University, Associated Students
984. Long Beach State University, Forty-Niner Shops, Inc.
985. Los Alamos Community Services District
986. Los Angeles County Area 'E' Civil Defense and Disaster Board
987. Los Angeles County Development Authority

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988. Los Angeles County Law Library
989. Los Angeles County Sanitation District No. 2
990. Los Angeles County West Vector Control District
991. Los Angeles Memorial Coliseum Commission
992. Los Angeles Regionalized Insurance Services Authority
993. Los Gatos-Saratoga Department of Community Education and Recreation
994. Los Osos Community Services District
995. Lower Lake Cemetery District
996. Lower Lake County Waterworks District No. 1
997. Lower Tule River Irrigation District
998. Madera Cemetery District
999. Madera County Mosquito and Vector Control District
1000. Main San Gabriel Basin Watermaster
1001. Majestic Pines Community Services District
1002. Mammoth Lakes Fire District
1003. Mammoth Lakes Mosquito Abatement District
1004. Management of Emeryville Services Authority
1005. March Joint Powers Authority
1006. Marin Children and Families Commission
1007. Marin Community College District
1008. Marin County Housing Authority
1009. Marin County In-Home Supportive Services Public Authority
1010. Marin Municipal Water District
1011. Marina Coast Water District
1012. Marinwood Community Services District
1013. Mariposa Public Utility District
1014. Maxwell Public Utility District
1015. McCloud Community Services District
1016. McFarland Recreation and Park District
1017. McKinleyville Community Services District
1018. Meeks Bay Fire Protection District
1019. Meiners Oaks County Water District
1020. Mendocino City Community Services District
1021. Mendocino County Russian River Flood Control & Water Conservation Improvement District
1022. Mendocino Transit Authority
1023. Menlo Park Fire Protection District
1024. Merced County Housing Authority
1025. Merced County Mosquito Abatement District
1026. Merced Irrigation District
1027. Mesa Water District
1028. Metropolitan Transportation Commission
1029. Metropolitan Water District of Southern California

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- 1030. Midpeninsula Regional Open Space District
- 1031. Mid-Peninsula Water District
- 1032. Mid-Placer Public Schools Transportation Agency
- 1033. Midway City Sanitary District
- 1034. Midway Heights County Water District
- 1035. Millview County Water District
- 1036. Minter Field Airport District
- 1037. Mission Springs Water District
- 1038. Mojave Air and Space Port
- 1039. Mojave Water Agency
- 1040. Mokelumne Rural Fire District
- 1041. Monte Vista County Water District
- 1042. Montecito Fire Protection District
- 1043. Montecito Sanitary District of Santa Barbara County
- 1044. Montecito Water District
- 1045. Monterey Bay Unified Air Pollution Control District
- 1046. Monterey County Regional Fire Protection District
- 1047. Monterey County Water Resources Agency
- 1048. Monterey One Water
- 1049. Monterey Peninsula Airport District
- 1050. Monterey Peninsula Regional Park District
- 1051. Monterey Peninsula Water Management District
- 1052. Monterey Regional Waste Management District
- 1053. Monterey-Salinas Transit District
- 1054. Montezuma Fire Protection District
- 1055. Morongo Basin Transit Authority
- 1056. Mother Lode Job Training Agency
- 1057. Moulton-Niguel Water District
- 1058. Mountains Recreation and Conservation Authority
- 1059. Mountain-Valley Library System
- 1060. Mt. San Antonio College Auxiliary Services
- 1061. MT. View Sanitary District of Contra Costa County
- 1062. Municipal Pooling Authority
- 1063. Municipal Water District of Orange County
- 1064. Murphys Sanitary District
- 1065. Murrieta Fire Protection District
- 1066. Murrieta Valley Cemetery District
- 1067. Napa County Mosquito Abatement District
- 1068. Napa County Resource Conservation District
- 1069. Napa Sanitation District
- 1070. Napa Valley Transportation Authority
- 1071. National Orange Show
- 1072. Natomas Fire Protection District

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- 1073. Nevada Cemetery District
- 1074. Nevada County Consolidated Fire District
- 1075. Nevada County Local Agency Formation Commission
- 1076. Nevada County Resource Conservation District
- 1077. Nevada Irrigation District
- 1078. Newcastle, Rocklin, Gold Hill Cemetery District
- 1079. Nipomo Community Services District
- 1080. North Bay Cooperative Library System
- 1081. North Bay Regional Center
- 1082. North Bay Schools Insurance Authority
- 1083. North Central Counties Consortium
- 1084. North Coast County Water District
- 1085. North Coast Railroad Authority
- 1086. North Coast Unified Air Quality Management District
- 1087. North County Dispatch Joint Powers Authority
- 1088. North County Fire Protection District of Monterey County
- 1089. North County Fire Protection District of San Diego County
- 1090. North County Transit District
- 1091. North Delta Water Agency
- 1092. North Kern Cemetery District
- 1093. North Kern Water Storage District
- 1094. North Kern-South Tulare Hospital District
- 1095. North Los Angeles County Regional Center, Inc.
- 1096. North Marin Water District
- 1097. North of the River Municipal Water District
- 1098. North of the River Recreation and Park District
- 1099. North State Cooperative Library System
- 1100. North Tahoe Fire Protection District
- 1101. North Tahoe Public Utility District
- 1102. Northern California Power Agency
- 1103. Northern California Special Districts Insurance Authority
- 1104. Northern Salinas Valley Mosquito Abatement District
- 1105. Northern Sierra Air Quality Management District
- 1106. Northshore Fire Protection District
- 1107. Northstar Community Services District
- 1108. Northwest Mosquito and Vector Control District
- 1109. Novato Sanitary District
- 1110. Oakdale Irrigation District
- 1111. Oakdale Rural Fire Protection District
- 1112. Oakland City Housing Authority
- 1113. Oceano Community Services District
- 1114. Ojai Valley Sanitary District
- 1115. Olcese Water District

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- 1116. Olivenhain Municipal Water District
- 1117. Olympic Valley Public Service District
- 1118. Omnitrans
- 1119. Ophir Hill Fire Protection District
- 1120. Orange County Health Authority
- 1121. Orange County Transportation Authority
- 1122. Orange County Vector Control District
- 1123. Orchard Dale Water District
- 1124. Orland Cemetery District
- 1125. Oro Loma Sanitary District
- 1126. Orosi Public Utility District
- 1127. Oroville Cemetery District
- 1128. Otay Water District
- 1129. Oxnard Harbor District
- 1130. Pacific Fire Protection District
- 1131. Padre Dam Municipal Water District
- 1132. Pajaro Valley Fire Protection Agency
- 1133. Pajaro Valley Public Cemetery District
- 1134. Pajaro Valley Water Management Agency
- 1135. Palm Ranch Irrigation District
- 1136. Palmdale Water District
- 1137. Palo Verde Valley District Library
- 1138. Palos Verdes Library District
- 1139. Paradise Recreation and Park District
- 1140. Pasadena City College Bookstore
- 1141. Paso Robles City Housing Authority
- 1142. Patterson Irrigation District
- 1143. Pauma Valley Community Services District
- 1144. Peardale Chicago Park Fire Protection District
- 1145. Pebble Beach Community Services District
- 1146. Peninsula Fire Protection District
- 1147. Peninsula Health Care District
- 1148. Peninsula Traffic Congestion Relief Alliance
- 1149. Penn Valley Fire Protection District
- 1150. Personal Assistance Services Council
- 1151. Phelan Pinon Hills Community Services District
- 1152. Pico Water District
- 1153. Pine Cove Water District
- 1154. Pine Grove Mosquito Abatement District
- 1155. Pinedale County Water District
- 1156. Pioneer Cemetery District
- 1157. Pixley Irrigation District
- 1158. Placer County Cemetery District No. 1

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1159. Placer County Resource Conservation District
1160. Placer County Transportation Planning Agency
1161. Placer County Water Agency
1162. Placer Hills Fire Protection District
1163. Placer Mosquito and Vector Control District
1164. Planning and Service Area II Area Agency on Aging
1165. Pleasant Hill Recreation and Park District
1166. Pleasant Valley County Water District
1167. Pleasant Valley Recreation and Park District
1168. Plumas Eureka Community Services District
1169. Plumas Local Agency Formation Commission
1170. Pomerado Cemetery District
1171. Pomona Valley Transportation Authority
1172. Pomona, Calif State Polytechnic University, Associated Students, Inc.
1173. Port San Luis Harbor District
1174. Porter Vista Public Utility District
1175. Porterville Irrigation District
1176. Porterville Public Cemetery District
1177. Public Cemetery District No. 1 of Kern County
1178. Public Entity Risk Management Authority
1179. Public Risk Innovation, Solutions and Management
1180. Public Transportation Services Corporation
1181. Pupil Transportation Cooperative
1182. Purissima Hills Water District
1183. Quartz Hill Water District
1184. Quincy Community Services District
1185. Rainbow Municipal Water District
1186. Ramona Municipal Water District
1187. Rancho Adobe Fire Protection District
1188. Rancho California Water District
1189. Rancho Cucamonga Fire Protection District
1190. Rancho Murieta Community Services District
1191. Rancho Santa Fe Fire Protection District
1192. Rancho Santiago Community College Associated Students
1193. Rancho Simi Recreation & Park District
1194. Reclamation District No. 1000
1195. Reclamation District No. 1001
1196. Reclamation District No. 1660
1197. Reclamation District No. 3
1198. Reclamation District No. 833
1199. Reclamation District No. 999
1200. Red Bluff Cemetery District
1201. Redwood Coast Regional Center

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1202. Redwood Empire Municipal Insurance Fund
1203. Redwood Empire School Insurance Group
1204. Reedley Cemetery District
1205. Regional Center of Orange County
1206. Regional Center of the East Bay
1207. Regional Housing Authority
1208. Regional Water Authority
1209. Rescue Fire Protection District
1210. Resort Improvement District No. 1
1211. Resource Conservation District of the Santa Monica Mountains
1212. Richardson Bay Sanitary District
1213. Rincon Del Diablo Municipal Water District
1214. Rio Alto Water District
1215. Rio Linda Elverta Community Water District
1216. Rio Vista-Montezuma Cemetery District
1217. Riverbank City Housing Authority
1218. Riverside County Air Pollution Control District
1219. Riverside County Department of Waste Resources
1220. Riverside County Flood Control and Water Conservation District
1221. Riverside County Law Library
1222. Riverside County Regional Park and Open Space District
1223. Riverside County Transportation Commission
1224. Riverside Transit Agency
1225. Rosamond Community Services District
1226. Rose Bowl Operating Company
1227. Rosedale-Rio Bravo Water Storage District
1228. Roseville Public Cemetery District
1229. Ross Valley Fire Department
1230. Ross Valley Sanitary District
1231. Rowland Water District
1232. Rubidoux Community Services District
1233. Running Springs Water District
1234. Rural County Representatives of California
1235. Sacramento Area Council of Governments
1236. Sacramento Area Flood Control Agency
1237. Sacramento City Housing Authority
1238. Sacramento County Public Law Library
1239. Sacramento Groundwater Authority
1240. Sacramento Metropolitan Air Quality Management District
1241. Sacramento Metropolitan Cable Television Commission
1242. Sacramento Metropolitan Fire District
1243. Sacramento Municipal Utility District
1244. Sacramento Public Library Authority

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1245. Sacramento Regional Fire/EMS Communications Center
1246. Sacramento Suburban Water District
1247. Sacramento Transportation Authority
1248. Sacramento-Yolo Mosquito and Vector Control District
1249. Salida Fire Protection District
1250. Salinas Valley Solid Waste Authority
1251. Salton Community Services District
1252. Samoa Peninsula Fire Protection District
1253. San Andreas Regional Center, Inc.
1254. San Andreas Sanitary District
1255. San Benito County Water District
1256. San Bernardino City Unified School District
1257. San Bernardino County Housing Authority
1258. San Bernardino County Transportation Authority
1259. San Bernardino Valley Municipal Water District
1260. San Bernardino Valley Water Conservation District
1261. San Diego Association of Governments
1262. San Diego Community College District
1263. San Diego County Law Library
1264. San Diego County Water Authority
1265. San Diego Metropolitan Transit System
1266. San Diego State University Associated Students
1267. San Diego Trolley, Inc.
1268. San Diego Unified School District
1269. San Dieguito Water District
1270. San Elijo Joint Powers Authority
1271. San Francisco Bay Area Rapid Transit District
1272. San Francisco Bay Area Water Emergency Transportation Authority
1273. San Francisco City and County Housing Authority
1274. San Francisco Community College District Bookstore Auxiliary
1275. San Francisco County Transportation Authority
1276. San Francisco Health Authority
1277. San Francisco Law Library
1278. San Francisquito Creek Joint Powers Authority
1279. San Gabriel County Water District
1280. San Gabriel Valley Council of Governments
1281. San Gabriel Valley Mosquito and Vector Control District
1282. San Gabriel Valley Municipal Water District
1283. San Geronio Pass Water Agency
1284. San Jacinto Valley Cemetery District
1285. San Joaquin County Housing Authority
1286. San Joaquin County IHSS Public Authority
1287. San Joaquin Delta Community College District



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1288. San Juan Water District
1289. San Lorenzo Valley Water District
1290. San Luis Obispo Cal Poly Associated Students, Inc.
1291. San Luis Obispo Council of Governments
1292. San Luis Water District
1293. San Mateo Consolidated Fire Department
1294. San Mateo County Harbor District
1295. San Mateo County In-Home Supportive Services Public Authority
1296. San Mateo County Law Library
1297. San Mateo County Schools Insurance Group
1298. San Mateo County Transit District
1299. San Miguel Community Services District
1300. San Miguel Consolidated Fire Protection District
1301. San Simeon Community Services District
1302. Sanger Cemetery District
1303. Sanitary District No. 5 of Marin County
1304. Santa Ana River Flood Protection Agency
1305. Santa Ana Unified School District
1306. Santa Ana Watershed Project Authority
1307. Santa Barbara County Law Library
1308. Santa Barbara County Special Education Local Plan Area
1309. Santa Barbara Regional Health Authority
1310. Santa Clara County Central Fire Protection District
1311. Santa Clara County Health Authority
1312. Santa Clara County Housing Authority
1313. Santa Clara County Law Library
1314. Santa Clara County Schools Insurance Group
1315. Santa Clara Valley Open Space Authority
1316. Santa Clara Valley Transportation Authority
1317. Santa Clara Valley Water District
1318. Santa Clarita Valley School Food Services Agency
1319. Santa Clarita Valley Water Agency
1320. Santa Cruz County Law Library
1321. Santa Cruz County Regional Transportation Commission
1322. Santa Cruz Local Agency Formation Commission
1323. Santa Cruz Metropolitan Transit District
1324. Santa Cruz Port District
1325. Santa Cruz Regional 9-1-1
1326. Santa Fe Irrigation District
1327. Santa Margarita Water District
1328. Santa Maria Public Airport District
1329. Santa Monica Community College District
1330. Santa Nella County Water District

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1331. Santa Paula City Housing Authority
1332. Santa Ynez River Water Conservation District, Improvement District No. 1
1333. Santos Manuel Student Union of California State University, San Bernardino
1334. Sausalito-Marín City Sanitary District
1335. Schell Vista Fire Protection District
1336. School Risk And Insurance Management Group
1337. Schools Excess Liability Fund
1338. Schools Insurance Authority
1339. Scotts Valley Fire Protection District
1340. Scotts Valley Water District
1341. Selma Cemetery District
1342. Selma-Kingsburg-Fowler County Sanitation District
1343. Serrano Water District
1344. Sewer Authority Mid-Coastside
1345. Sewerage Commission-Oroville Region
1346. Shafter Wasco Irrigation District
1347. Shasta Area Safety Communications Agency
1348. Shasta Community Services District
1349. Shasta Lake Fire Protection District
1350. Shasta Mosquito and Vector Control District
1351. Shasta Regional Transportation Agency
1352. Shasta Valley Cemetery District
1353. Shiloh Public Cemetery District
1354. Sierra Lakes County Water District
1355. Sierra-Sacramento Valley Emergency Medical Services Agency
1356. Silicon Valley Animal Control Authority
1357. Silicon Valley Clean Water
1358. Silveyville Cemetery District
1359. Solano Cemetery District
1360. Solano County Mosquito Abatement District
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1362. Solano Irrigation District
1363. Solano Transportation Authority
1364. Sonoma County Fire District
1365. Sonoma County Junior College District
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1367. Sonoma Marin Area Rail Transit District
1368. Sonoma State Enterprises, Inc.
1369. Sonoma Student Union Corporation
1370. Soquel Creek Water District
1371. South Bay Regional Public Communications Authority
1372. South Central Los Angeles Regional Center for Developmentally Disabled Persons

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- 1373. South Coast Water District
- 1374. South County Support Services Agency
- 1375. South Feather Water and Power Agency
- 1376. South Kern Cemetery District
- 1377. South Orange County Wastewater Authority
- 1378. South Placer Fire District
- 1379. South Placer Municipal Utility District
- 1380. South San Joaquin Irrigation District
- 1381. South San Luis Obispo County Sanitation District
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- 1383. Southeast Area Social Services Funding Authority
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- 1385. Southern California Library Cooperative
- 1386. Southern California Public Power Authority
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- 1390. Southwest Transportation Agency
- 1391. Special District Risk Management Authority
- 1392. Stallion Springs Community Services District
- 1393. Stanislaus Consolidated Fire Protection District
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- 1395. State Bar of California
- 1396. State Center Community College District
- 1397. State Water Contractors
- 1398. Stege Sanitary District
- 1399. Stinson Beach County Water District
- 1400. Stockton East Water District
- 1401. Stockton Unified School District
- 1402. Strawberry Recreation District
- 1403. Successor Agency to the Redevelopment Agency of the City of Fresno
- 1404. Successor Agency to the Redevelopment Agy of the City & County of San Francisco
- 1405. Suisun Fire Protection District
- 1406. Suisun Resource Conservation District
- 1407. Summit Cemetery District
- 1408. Sunnyslope County Water District
- 1409. Susanville Sanitary District
- 1410. Sutter Cemetery District
- 1411. Sweetwater Authority
- 1412. Sweetwater Springs Water District
- 1413. Sylvan Cemetery District
- 1414. Tahoe City Public Utility District

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1415. Tahoe Resource Conservation District
1416. Tahoe-Truckee Sanitation Agency
1417. Tehachapi Valley Recreation and Park District
1418. Tehachapi-Cummings County Water District
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1432. Tri-City Mental Health Center
1433. Tri-Counties Association for the Developmentally Disabled
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1436. Trindel Insurance Fund
1437. Trinity Public Utilities District
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1442. Tulare Mosquito Abatement District
1443. Tulare Public Cemetery District
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1445. Tuolumne Fire District
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1447. Turlock Mosquito Abatement District
1448. Twain Harte Community Services District
1449. Twentynine Palms Water District
1450. Twin Rivers Unified School District
1451. Ukiah Valley Fire District
1452. Union Public Utility District
1453. Union Sanitary District
1454. United Water Conservation District
1455. University Enterprises Corporation at CSUSB
1456. University Enterprises, Inc.
1457. University Student Center of California State University Stanislaus

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1458. Upland City Housing Authority
1459. Upper San Gabriel Valley Municipal Water District
1460. Utica Water and Power Authority
1461. Vacaville Fire Protection District
1462. Vacaville-Elmira Cemetery District
1463. Val Verde Unified School District
1464. Vallecitos Water District
1465. Vallejo Flood and Wastewater District
1466. Valley Center Municipal Water District
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1468. Valley Mountain Regional Center, Inc.
1469. Valley of the Moon Water District
1470. Valley Sanitary District
1471. Valley Springs Public Utility District
1472. Valley-Wide Recreation and Park District
1473. Vandenberg Village Community Services District
1474. Ventura College Foundation
1475. Ventura County Law Library
1476. Ventura County Schools Business Services Authority
1477. Ventura County Schools Self-Funding Authority
1478. Ventura County Transportation Commission
1479. Ventura Port District
1480. Ventura River Water District
1481. Victor Valley Transit Authority
1482. Victor Valley Wastewater Reclamation Authority
1483. Visalia Public Cemetery District
1484. Vista Irrigation District
1485. Walnut Valley Water District
1486. Wasco Recreation and Park District
1487. Washington Colony Cemetery District
1488. Water Employee Services Authority
1489. Water Facilities Authority
1490. Water Replenishment District of Southern California
1491. Weaverville Community Services District
1492. Weaverville Sanitary District
1493. West Almanor Community Services District
1494. West Basin Municipal Water District
1495. West Bay Sanitary District
1496. West Cities Communication Center
1497. West Contra Costa Integrated Waste Management Authority
1498. West Contra Costa Transportation Advisory Committee
1499. West County Transportation Agency
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1501. West End Communications Authority
1502. West Kern Water District
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1504. West Valley Mosquito and Vector Control District
1505. West Valley Sanitation District of Santa Clara County
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1507. West Valley-Mission Community College District
1508. Westborough Water District
1509. Western Contra Costa Transit Authority
1510. Western Municipal Water District
1511. Western Riverside Council of Governments
1512. Westlands Water District
1513. Westwood Community Services District
1514. Wheeler Ridge-Maricopa Water Storage District
1515. Wildomar Cemetery District
1516. Williams Fire Protection Authority
1517. Willow County Water District
1518. Willow Creek Community Services District
1519. Willows Cemetery District
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1524. Winton Water and Sanitary District
1525. Woodbridge Rural County Fire Protection District
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1528. Yolo County Federal Credit Union
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1530. Yolo County In-Home Supportive Services Public Authority
1531. Yolo County Public Agency Risk Management Insurance Authority
1532. Yolo County Transportation District
1533. Yolo Emergency Communications Agency
1534. Yolo-Solano Air Quality Management District
1535. Yorba Linda Water District
1536. Yuba Community College District
1537. Yuba County Water Agency
1538. Yuba Sutter Transit Authority
1539. Yucaipa Valley Water District
1540. Yuima Municipal Water District



## 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](mailto:OFFICE@HBMWD.COM)

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

### BOARD OF DIRECTORS

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DAVID LINDBERG, ASSISTANT SECRETARY-TREASURER

SHERI WOO, DIRECTOR

### GENERAL MANAGER

JOHN FRIEDENBACH

August 4, 2023

Brent A. Robinson  
 Aiman-Smith & Marcy  
 7677 Oakport Street, Suite 1150  
 Oakland, CA 94621

### Re: Notice of Insufficiency of Claim Filed with Humboldt Bay Municipal Water District

Dear Brent Robinson:

Your claim received by Humboldt Bay Municipal Water District on August 2, 2023 failed to substantially comply with the California Government Code §910, §910.2, §910.4 and/or §910.8. It was insufficient for failing to provide the following information:

- The date, place, and facts describing the circumstances of the event, occurrence or transaction with Humboldt Bay Municipal Water District which you claim caused the injury to the claimant.
- The name or names of the public employee or employees at Humboldt Bay Municipal Water District causing the injury, damage or loss, if known.

You may correct the insufficiency by filing an amended claim supplying the missing information listed above. You have 15 days after the date of this letter or six (6) months from the date of the alleged accident, whichever is later, in which to file this amended claim. If you fail to provide the missing information, your claim **MAY** be rejected and you may also lose the right to initiate a lawsuit.

Respectfully,

John Friedenbach  
 General Manager

Cc: Ryan Plotz, esq.  
 Robert Greenfield, esq.

# **ENGINEERING**





# CHANGE ORDER

PROJECT: Collector 2 Rehabilitation

Change Order No.: 2

Date: 8/1/2023

Page No.: 1 of 1

**DESCRIPTION OF CHANGE:**

Extra Work was completed on June 23<sup>rd</sup> and 24<sup>th</sup> 2023 on a time and materials basis to address the conditions detailed in the attached letter from Jay Bell dated July 13, 2023.

The Extra Work was completed by the diving subcontractor Associated Underwater Services (AUS) with support from Layne's crew. The three-man AUS diving team was originally subcontracted for work on June 22<sup>nd</sup> to collect flow measurements for pre-rehabilitation conditions and close the caisson lateral valves. To cap the three ports that were discovered, the caisson was refilled overnight to allow the divers to complete the Extra Work without risking a large inrush of gravel and debris into the caisson through the three ports. The divers attempted to cap the ports with blind flanges, but it was determined that the ports were too corroded for the blind flanges to provide safe working conditions for Layne's crew to work in the well.

After discussion with Dale Davidsen (Superintendent, HBMWd), the divers proceeded to cut the ports flush against the caisson wall to allow redwood plugs (fabricated by Dale Davidsen) with epoxy to be installed to seal the ports. The plugs were left immersed with water for 10 days while Layne's crew was on break, causing the redwood plugs to swell and lock into the ports. Layne's foreman Jeremy Young inspected the plugs and determined that they were satisfactory to allow work to resume in the well.

CONTRACTOR: Layne Christensen Company

Adjustment of contract sum	
Original Contract Sum	\$3,064,500
Prior Adjustments	\$0
Contract Sum Prior to this Change	\$3,064,500
Adjustment for this Change	\$40,125.18
Revised Contract Sum	\$3,104,625.18

Adjustment of contract completion dates	
Original Contract Completion Date	Dec. 23, 2023
Prior Adjustments in Calendar Days	0
Adjustment in Calendar Days for this Change Order	0
Revised Contract Completion Date	Dec. 23, 2023

**NOTE: CONTRACTOR WAIVES ANY CLAIM FOR FURTHER ADJUSTMENTS FOR THE CONTRACT SUM RELATED TO THE ABOVE-DESCRIBED CHANGE IN THE WORK.**

RECOMMENDED BY:

*Nathan Stevens*

\_\_\_\_\_  
Engineer – Nathan Stevens, PE

DATE: 8/1/23

APPROVED BY:

\_\_\_\_\_  
Owner – John Friedenbach, General Manager

DATE: \_\_\_\_\_

ACCEPTED BY:

\_\_\_\_\_  
Contractor – James Bell, Project Manager

DATE: \_\_\_\_\_



Ranney Collector Wells  
6360 Huntley Road  
Columbus, Ohio 43229

T 614-888-6263  
graniteconstruction.com

July 13, 2023

Mr. Nathan Stevens, PE  
GHD  
718 3rd St  
Eureka, California 95501

Via Email: [Nathan.Stevens@GHD.com](mailto:Nathan.Stevens@GHD.com)

RE: Humboldt Bay Municipal Water District  
Collector 2 Rehabilitation Project

Dear Mr. Stevens:

When we pumped down the well, we discovered three (3) small ports (approximately 3-4 inch diameter) through the caisson wall at an elevation above the planned centerline of the new laterals. These fittings were apparently constructed of carbon steel or cast iron, were severely corroded and leaked water profusely. We did not feel we could safely remove, replace or plug the taps from a dewatered caisson, as the fitting could break and injure an employee. If the corroded ports had failed with the caisson dewatered, there was also the potential for a large inrush of sand/gravel. We notified Dale Davidson and reviewed the situation with him. We don't recall encountering similar fittings in the previous work at Humboldt Bay. Or anywhere else for that matter.

We believe this is a changed condition, according to Paragraph B3 of the General Conditions. We respectfully request a change order for the additional work required to plug the small ports so we could safely resume work in the well. Our incurred costs are presented on the attached table. The invoice from the diving subcontractor Associated Underwater Services is included for reference.

Respectfully,  
Layne Christensen Company,

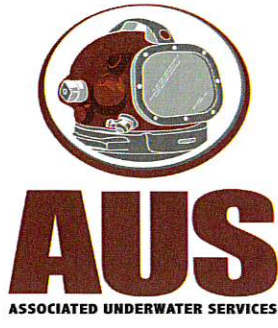
A handwritten signature in black ink, appearing to read "Jay Bell". The signature is written in a cursive, flowing style.

Jay Bell  
Project Manager

Attachments (Change Order Summary Table, AUS invoice)

cc: Matt Reed, Layne  
Andy Smith, Layne

Humbolt Change Order Summary						
<b>Description</b>						
Layne Christensen submits this change order for the extra work that took place on 06/23-06/24 2023 for correcting the leaks around the ports in the caisson. These costs include Layne Christensen's labor and equipment, diving subcontractor Associated Underwater Services (AUS), and overhead costs.						
This change order is being submitted in accordance with Section B. General Conditions under part B4, subsection Cii.						
Labor overhead is the hourly charge levied by Layne/Granite on all labor hours to cover the costs of home office overhead.						
We respectfully request you consider this an appropriate charge for this work.						
<b>Crew</b>						
	Quantity	Costs/Rate	Hours	Subtotal	Total (Markup 15%)	
Operator	2	\$ 118.01	40	\$ 4,720.40	\$ 5,428.46	
Laborer	3	\$ 83.23	60	\$ 4,993.80	\$ 5,742.87	
Ranney Equipment	1	\$ 113.02	20	\$ 2,260.30	\$ 2,599.35	
				\$ 11,974.50	\$ 13,770.68	
<b>Rental Equipment</b>						
	Quantity	Costs/Rate	Day	Subtotal	Total (Markup 15%)	
Crane	1	\$ 440.00	2	\$ 880.00	\$ 1,012.00	
Generator	1	\$ 380.00	2	\$ 760.00	\$ 874.00	
8K Telehandler	1	\$ 165.00	2	\$ 330.00	\$ 379.50	
				\$ 1,970.00	\$ 2,265.50	
<b>Subcontractor</b>						
	Quantity	Cost	Day	Subtotal	Total (Markup 5%)	
06/23 Diving Services	1	\$ 8,420.00	1	\$ 8,420.00	\$ 8,841.00	
06/23 Additional Mobe for diver	1	\$ 2,130.00	1	\$ 2,130.00	\$ 2,236.50	
06/24 Diving Services OT 10hr - 3 Divers	1	\$ 13,630.00	1	\$ 13,630.00	\$ 14,311.50	
06/23 Credit for 4th non-Diver	1	\$ (1,300.00)	1	\$ (1,300.00)	\$ (1,300.00)	
					\$ 24,089.00	
<b>Grand Total</b>					\$ 40,125.18	



**Associated Underwater Services**

3901 E Ferry Ave  
 Spokane, WA 99202  
 Samantha@ausdiving.com  
 Phone: (509) 533-6500

**Invoice**

<b>Invoice Number</b>
7110
<b>Invoice Date</b>
6/27/2023

**Bill To:** Layne Construction  
 W229 N1433 Westwood Drive #100  
 Waukesha, WI 53186

**Re:** Humbolt

Job No	Customer Job No	Customer PO	Payment Terms	Due Date	
2701	74134	74134	Net 30 Days	7/27/2023	
Quantity	Description		U/M	Rate/Unit	Price

Humboldt Water District - Diving Services

1.00	Mobe	EA	5,710.00	5,710.00
1.00	06/21 - Standby for Client	DY	4,070.00	4,070.00
1.00	06/22 - Diving Services 10 HRS	DY	8,420.00	8,420.00
1.00	06/23 - Diving Services 10 HRS	DY	8,420.00	8,420.00
1.00	06/23 - Additional Mobe for extra diver	EA	2,130.00	2,130.00
1.00	06/24 - Diving Services OT 10 HRS - 3 Divers	DY	13,630.00	13,630.00
-10.00	Credit for 4th non-diver	HR	130.00	-1,300.00

extra work

Subtotal	\$	41,080.00
Sales Tax (if applicable)	\$	0.00
<b>Total Due</b>	<b>\$</b>	<b>41,080.00</b>

Thank you for your business!

Humboldt Bay Municipal Water District - Collector 2 Rehabilitation Project  
Layne Job # 1211234  
July 31, 2023  
PAYMENT REQUEST # 4



For Work period: June 26, 2023 to July 31, 2023

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

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

ACH/Wires Bank  
Bank of America, N.A.  
ACH ABA 121000358  
FED Wire ABA 026009593  
Acct Name Layne Christensen Company  
Acct No. 1291276209  
Email payment advice to:  
[arprocessingcenter@gcinc.com](mailto:arprocessingcenter@gcinc.com)

From:  
Layne Christensen Company, Inc.  
6360 Huntley Rd.  
Columbus, Ohio 43229  
Phone: (614) 888-6263  
[james.bell@gcinc.com](mailto:james.bell@gcinc.com)

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

Item #	Description	ORIGINAL CONTRACT				THIS PERIOD		PREVIOUS PERIODS		TOTAL COMPLETED	
		Quantity	Unit	Unit Price	Contract Value	Quantity	AMOUNT	Quantity	AMOUNT	Quantity	TOTAL
<b>PHASE 1 - Item</b>											
1-1	Mobilization & Demobilization	1	LS	\$ 163,800.00	\$ 163,800.00	10%	\$ 16,380.00	90%	\$ 147,420.00	100%	\$ 163,800.00
1-2	Percolation Pond	1	LS	\$ 127,700.00	\$ 127,700.00		\$ -	1	\$ 127,700.00	1	\$ 127,700.00
1-3	Dewatering Pumps & Piping within Caisson	1	LS	\$ 74,000.00	\$ 74,000.00		\$ -	1	\$ 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		\$ -		\$ -		\$ -
1-6	Turning Jacking Setup to Next Lateral	1	EA	\$ 50,000.00	\$ 50,000.00		\$ -		\$ -		\$ -
1-7	Furnish, Install & Develop 12" Laterals	300	LF	\$ 1,650.00	\$ 495,000.00		\$ -		\$ -		\$ -
1-8	Furnish & Install (2) 12" Stainless Steel Gate Valves	1	LS	\$ 92,000.00	\$ 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
<b>TOTAL PHASE 1</b>					<b>\$ 1,215,500.00</b>						
<b>PHASE 2 - Item</b>											
2-1	Mobilization & Demobilization	1	LS	\$ 163,800.00	\$ 163,800.00	25%	\$ 40,950.00		\$ -	25%	\$ 40,950.00
2-2	Percolation Pond	1	LS	\$ 127,700.00	\$ 127,700.00		\$ -	25%	\$ 31,925.00	25%	\$ 31,925.00
2-3	Dewatering Pumps & Piping within Caisson	1	LS	\$ 74,000.00	\$ 74,000.00		\$ -	1	\$ 74,000.00	1	\$ 74,000.00
2-4	Installation of Ports	2	EA	\$ 30,000.00	\$ 60,000.00	2	\$ 60,000.00		\$ -	2	\$ 60,000.00
2-5	Setup & Takedown for Lateral Jacking	1	LS	\$ 45,000.00	\$ 45,000.00		\$ -		\$ -		\$ -
2-6	Turning Jacking Setup to Next Lateral	2	EA	\$ 50,000.00	\$ 100,000.00		\$ -		\$ -		\$ -
2-7	Furnish, Install & Develop 12" Laterals	300	LF	\$ 1,650.00	\$ 495,000.00		\$ -		\$ -		\$ -
2-8	Furnish & Install (1) 12" Stainless Steel Gate Valves	1	LS	\$ 76,000.00	\$ 76,000.00		\$ -		\$ -		\$ -
2-9	Initial & Final Performance Tests	1	LS	\$ 108,000.00	\$ 108,000.00		\$ -		\$ -		\$ -
<b>TOTAL PHASE 2</b>					<b>\$ 1,249,500.00</b>						
<b>TOTAL PHASE 1 &amp; 2</b>					<b>\$ 2,465,000.00</b>		<b>\$ 177,330.00</b>		<b>\$ 563,045.00</b>		<b>\$ 740,375.00</b>
<b>ADDITIVE BID SCHEDULE</b>											
A-1	Assembly & Disassembly of Supplied Yelomine Piping		LS	\$ 44,000.00				50%	\$ 22,000.00	50%	\$ 22,000.00
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	\$ 58,000.00							
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							
<b>TOTAL ADDITIVE WORK</b>							<b>\$ -</b>	<b>\$ 22,000.00</b>	<b>\$ 22,000.00</b>		
<b>CHANGE ORDERS</b>											
CO #	Change Orders										
2	Port Leaks, Dive Work to Seal	1	LS	\$ 40,125.18	\$ 40,125.18	1	\$ 40,125.18			1	\$ 40,125.18
<b>TOTAL CHANGE ORDER WORK</b>					<b>\$ 40,125.18</b>		<b>\$ 40,125.18</b>		<b>\$ -</b>		<b>\$ 40,125.18</b>
<b>TOTAL PROJECT COST</b>					<b>\$ 2,505,125.18</b>		<b>\$ 217,455.18</b>		<b>\$ 585,045.00</b>		<b>\$ 802,500.18</b>
					Retainage (5%) (\$10,872.76)			Rtng (5%) (\$29,252.25)		Retainage (5%) (\$40,125.01)	
					<b>\$ 206,582.42</b>		<b>\$ 555,792.75</b>		<b>\$ 762,375.17</b>		<b>\$ 762,375.17</b>

Respectfully Submitted: *James J. Bell* 7/31/2023  
Layne Christensen, James Bell, Project Manager

Approved: \_\_\_\_\_  
Humboldt Bay Municipal Water District, John Friedenbach, General Manager

Approved: *Nathan Stevens* 8/2/2023  
(with exceptions noted to right) GHD Inc., Patrick Sullivan or Nathan Stevens, Engineer

Pay request approved less amount of \$40,125.18 for Change Order #2 (CO #2) and associated retainage changes. CO #2 will be presented to HBMWD board for approval on 8/17/23. Total payment approved prior to CO #2 approval is \$168,463.50 (includes subtraction of CO #2 value and associated changes to retainage). Payment for CO #2 in an amount of \$38,118.92 (CO #2 value less 5% retention) is recommended upon HBMWD board approval of CO #2.

*Nathan Stevens* 8/2/2023

Net Due to Date \$762,375.17  
Previously Invoiced \$565,792.75  
Due This Period **\$206,582.42**

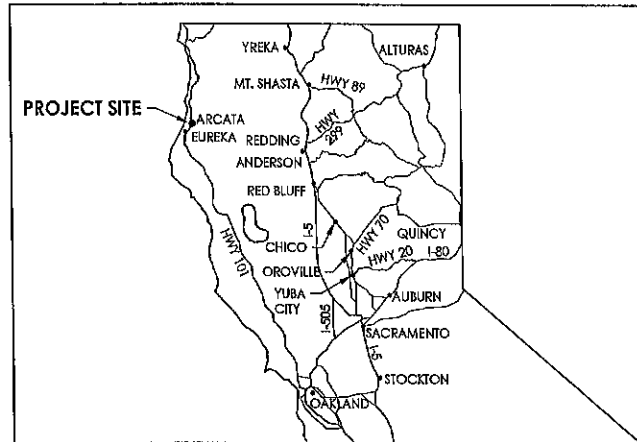
\$168,463.50 prior to HBMWD board approval of Change Order #2 per notes to the left.

# HUMBOLDT BAY MUNICIPAL WATER DISTRICT

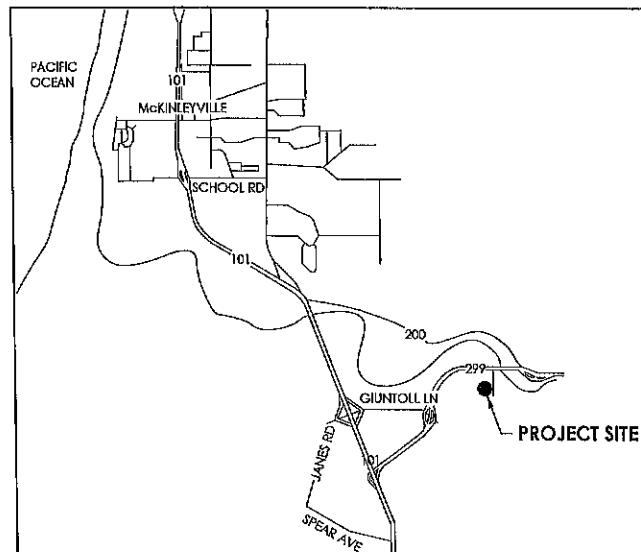
## PLANS FOR

### TRF GENERATOR PROJECT

#### ARCATA, CA.



**LOCATION MAP**  
NTS



**VICINITY MAP**  
NTS

**APPLICABLE CODES AND REGULATIONS:**

- CALIFORNIA ADMINISTRATION CODE, 2021 EDITION (CAC)
- CALIFORNIA BUILDING CODE, 2021 EDITION (CBC)
- CALIFORNIA PLUMBING CODE, 2021 EDITION (CPC)
- CALIFORNIA MECHANICAL CODE, 2021 EDITION (CMC)
- CALIFORNIA ELECTRICAL CODE, 2021 EDITION (CEC)

**GENERAL NOTES**

REFERENCES, DISCREPANCIES AND OMISSIONS: THESE NOTES SHALL APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. FEATURES OF CONSTRUCTION INDICATED ON THESE DRAWINGS ARE TYPICAL, AND SHALL APPLY GENERALLY THROUGHOUT SIMILAR CONDITIONS. IN THE EVENT OF OMISSIONS, CONSTRUCTION SHALL BE SIMILAR TO CONSTRUCTION INDICATED IN THESE DRAWINGS, BUT MUST FIRST BE APPROVED BY THE ENGINEER IN WRITING. ALL FINISHES SHALL MATCH APPEARANCE OF ADJOINING SURFACES.

**PACE DESIGN TEAM**

- |                 |                  |
|-----------------|------------------|
| TONY BOWSER     | PROJECT MANAGER  |
| BRYAN GENTLES   | PROJECT ENGINEER |
| TROY JONES      | CIVIL ENGINEER   |
| NATHAN CHANDLER | STAFF ENGINEER   |
| JESSE LENAHER   | LAND SURVEYOR    |

**SHEET INDEX**

G1.0	TITLE SHEET
C1.0	EXISTING TOPOGRAPHIC SURVEY
C1.1	CIVIL SITE AND GRADING PLAN
C2.0	CIVIL DETAILS AND SECTION
S1.0	GENERAL STRUCTURAL NOTES & TYPICAL DETAILS
S2.0	GENERATOR FOUNDATION AND ANCHORAGE PLAN
S2.1	GENERATOR & ATS MOUNTING DETAILS
E1.0	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E1.1	ONE-LINE DIAGRAM
E1.2	PANEL SCHEDULE
E2.0	ELECTRICAL SITE PLAN
E2.1	GENERATOR POWER PLAN
E2.2	ELECTRICAL ROOM POWER PLAN
E2.3	ELEVATIONS
E3.0	ELECTRICAL DETAILS

**COMPLY WITH APPLICABLE CODES**

- | #  | CODE  |
|----|---|
| 1. | NFPA 30: FLAMMABLE AND COMBUSTIBLE LIQUIDS. |
| 2. | NFPA 37: STATIONARY ENGINES.                |
| 3. | NFPA 58: LIQUEFIED PETROLEUM GAS.           |
| 4. | NFPA 110: EMERGENCY AND STANDBY POWER.      |
| 5. | NFPA 111: STANDBY POWER SYSTEMS.            |
| 6. | CALIFORNIA BUILDING CODE.                   |
| 7. | CALIFORNIA ELECTRIC CODE.                   |
| 8. | CALIFORNIA ENERGY CODE.                     |
| 9. | CALIFORNIA FIRE CODE.                       |

30% DRAFT

BAR IS ONE INCH ON ORIGINAL DRAWING  
0" = 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS		DESCRIPTION
NO	DATE	



DES	BG	CKD	TB	JOB NO.
DRN	BW	DATE	7/28/23	3073.01

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CONSTRUCTION

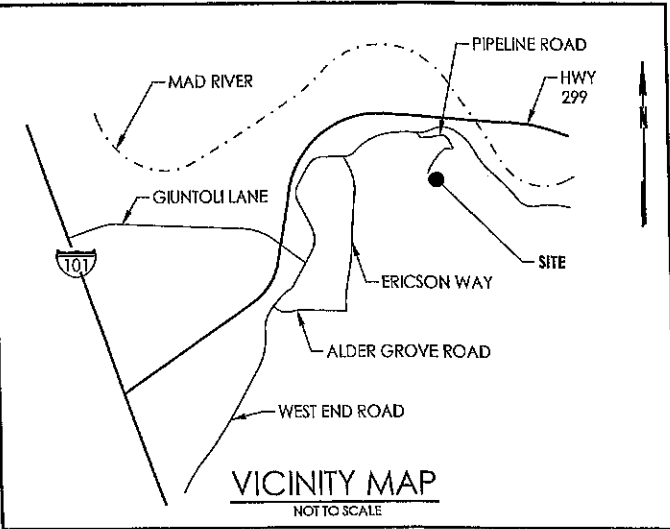
HUMBOLDT BAY MWD TRF GENERATOR  
440 PIPELINE RD ARCATA, CA.

TITLE SHEET

SHEET  
**G1.0**  
PG 1 OF 15

C:\Revit\Local Files\3073.01\_E\_Humboldt Bay MWD\_TRF\_Generator\_C22\_Lgentles.rvt 7/28/2023 8:57:46 AM

CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	2220491.07	5991237.49	234.17	#3 REBAR & PLASTIC CAP
2	2220492.95	5991448.62	252.42	8" MAG NAIL



**HATCH LEGEND**

	ASPHALT
	CONCRETE
	TRAVELED WAY

**SYMBOLS LEGEND**

	COMMUNICATIONS BOX / VAULT / PEDESTAL
	CONTROL POINT
	ELECTRIC BOX / PANEL TRANSFORMER / METER
	FIRE HYDRANT
	MISCELLANEOUS UTILITY BOX / VAULT
	SANITARY SEWER CLEANOUT / BOX
	WATER BOX
	WATER VALVE

**LINE LEGEND**

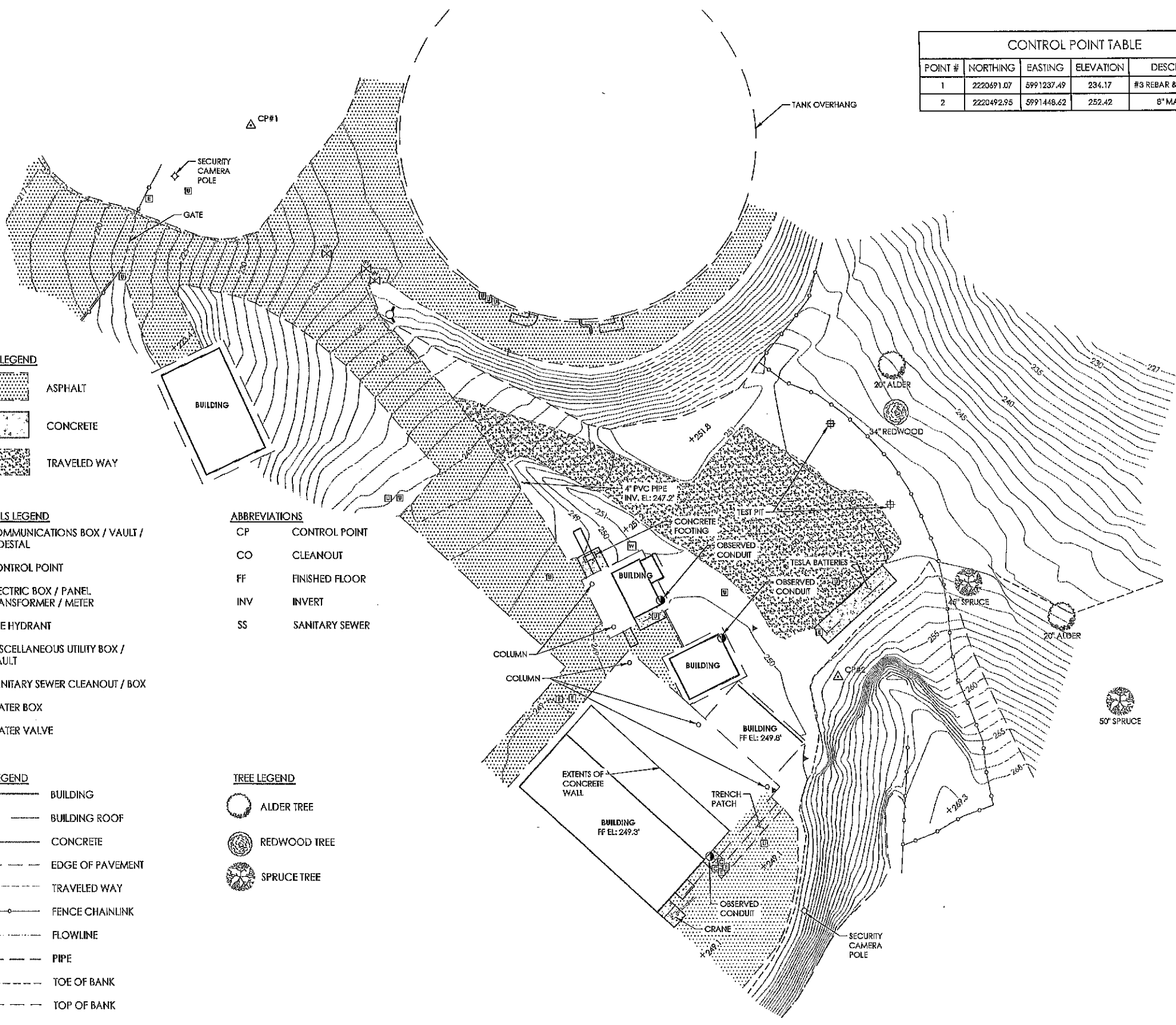
	BUILDING
	BUILDING ROOF
	CONCRETE
	EDGE OF PAVEMENT
	TRAVELED WAY
	FENCE CHAINLINK
	FLOWLINE
	PIPE
	TOE OF BANK
	TOP OF BANK

**ABBREVIATIONS**

CP	CONTROL POINT
CO	CLEANOUT
FF	FINISHED FLOOR
INV	INVERT
SS	SANITARY SEWER

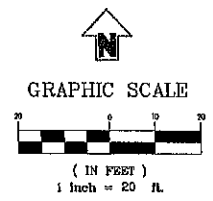
**TREE LEGEND**

	ALDER TREE
	REDWOOD TREE
	SPRUCE TREE



**GENERAL NOTES**

- THIS SURVEY WAS CONDUCTED ON 05/23/2023.
- COORDINATE SYSTEM: CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE 1, (EPOCH 2017.5).
- VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), (GEOID 18)
- CONTOUR INTERVAL: 1 FOOT.
- UNITS OF MEASUREMENT SHOWN HEREON ARE IN TERMS OF THE U.S. SURVEY FOOT AND DECIMALS THEREOF.
- TREE DIMENSIONS SHOWN HEREON ARE DIAMETER AT BREAST HEIGHT. TREE CLASSIFICATION IS BASED UPON SURVEYOR'S BEST ESTIMATION; A CERTIFIED ARBORIST SHOULD BE CONSULTED TO VERIFY WHERE PERTINENT; TREES LESS THAN 6" IN DIAMETER WERE NOT SURVEYED.
- UTILITIES/FEATURES SHOWN HEREON ARE BASED UPON ABOVE-GROUND, OBSERVED EVIDENCE ONLY.
- THIS SURVEY WAS CONDUCTED USING A DJI PHANTOM 4 RTK UNMANNED AERIAL SYSTEM FLOWN APPROXIMATELY 220 FEET ABOVE GROUND LEVEL. SUPPLEMENTAL DATA WAS COLLECTED UTILIZING A COMBINATION OF GPS/GNSS, AND TOTAL STATION TECHNOLOGIES.
- AN ORTHORECTIFIED IMAGE WAS COMPILED BASED UPON AERIAL IMAGERY COLLECTED AT THE TIME OF FIELD SURVEY (SEE SHEET 2 FOR OVERLAY).



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REVISIONS		
NO	DATE	DESCRIPTION

**PACE ENGINEERING**

DES: [blank] CKD: JLB JOB NO. 3073.01  
 DRN: JLB DATE: 7/28/23

SIGNED  
 PRELIMINARY NOT FOR CONSTRUCTION

HUMBOLDT BAY MWD TRF GENERATOR  
 440 PIPELINE RD ARCATA, CA  
 EXISTING TOPOGRAPHIC SURVEY

SHEET  
**C1.0**  
 PG 2 OF 15

File Name: \\L:\land\projects\507501\_Humboldt\_Bay\_MWD\_TRF\_Gen\CA\Cal\_Topography\_Surveying\_Layout\_C&T.rvt  
 Plot Date: 07/27/2023 4:51 PM  
 User: jlb  
 Plot Name: jlb



CIVIL SITE AND GRADING PLAN  
1"=10'

30% DRAFT

30% DRAFT

BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

REVISIONS	
NO	DATE



DES TJ CKD JOB NO. 3073.01  
DRN TJ DATE 7/28/23

SIGNED  
PRELIMINARY  
NOT FOR  
CONSTRUCTION

HUMBOLDT BAY MWD TRF GENERATOR  
440 PIPELINE RD ARCATA, CA  
CIVIL SITE AND GRADING PLAN

SHEET  
C1.1  
PG 3 OF 15

Date: 7/27/23, 2023 - 4:27 PM  
 User: J:\Land\Projects\307301 Humboldt Bay MWD TRF Generator\CAD\Improvements\Layout\C1.1 CA 30 Grading Plan




NOTES

1. THE CONSTRUCTION AND INSTALLATION OF IMPROVEMENTS SHALL CONFORM TO THESE PLANS, THE CITY OF EUREKA CONSTRUCTION STANDARDS, STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION 2022 STANDARD PLANS AND SPECIFICATIONS, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), AND THE SOILS REPORT PREPARED BY \_\_\_\_\_ DATED \_\_\_\_\_.
2. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT PRIOR TO ANY WORK IN THE STREET RIGHT-OF-WAY.
3. CALL USA (811) TO LOCATE ALL UTILITIES 48 HOURS PRIOR TO ANY CONSTRUCTION.
4. SEE SITE PLAN FOR DIMENSIONS NOT SHOWN.
5. REMOVE TREES IN CUT/FILL AREAS EXCEPT THOSE SHOWN TO REMAIN. AVOID DRIVING UNDER TREES WHERE POSSIBLE.
6. ALL GRADES SHOWN ARE FINISH GRADES. ALLOW FOR VARIOUS THICKNESS OF BASE, PAVING AND CONCRETE IN PREPARING SUBGRADE.
7. GRADE SITE TO THE GRADES SHOWN. COMPACT FILL AREAS AND TOP 6" OF CUT AREAS TO 95% OF MAXIMUM DENSITY AS MEASURED BY ASTM D-1557. IMPORT OR EXPORT AS NECESSARY.
8. STRUCTURAL ROAD SECTION LAYER THICKNESS ARE BASED ON [R-VALUE OF \_\_\_\_ AS FOUND IN THE PROJECT GEOTECHNICAL REPORT] AND A [TRAFFIC INDEX OF \_\_\_\_ BASED ON [CITY][COUNTY][LOCAL UTILITY DISTRICT] CONSTRUCTIONS STANDARDS.]
9. ALL AREAS TO RECEIVE FILL ARE TO BE SCARIFIED A MINIMUM DEPTH OF 6", MOISTURE CONDITIONED, AND COMPACTED TO 95% OF MAXIMUM DENSITY AS MEASURED BY ASTM D-1557.
10. ANY CHANGES IN THESE PLANS ARE TO RECEIVE PRIOR APPROVAL OF THE OWNER AND PACE ENGINEERING, INC.
11. RADIUS DIMENSIONS ARE SHOWN TO THE FACE OF CURB.
12. ALL SITE CONCRETE SHALL BE CLASS 520-C-2500 [WITH 1" MAXIMUM SLUMP] AND [0.4-0.6% MAXIMUM AIR ENTRAINMENT], UNLESS OTHERWISE SHOWN. APPLY LIGHT BROOM FINISH TO ALL WALKWAYS. [CONSTRUCT CONTROL JOINTS (WEAKENED PLANE JOINTS) IN CURBS, GUTTERS, AND WALKWAYS PER CORCS 131.00, 134.00, AND 136.00][CONSTRUCT CONTROL JOINTS (WEAKENED PLANE JOINTS) IN CURBS, GUTTERS, AND WALKS AT 6 FEET OC MAX. CONSTRUCT 1/2" EXPANSION JOINT, WITH EXPANSION JOINT FILLER, AT ALL CURB/GUTTER/WALK RETURNS AND AT 20 FEET OC MAX IN CURBS/WALKS] [COORDINATE W/ ARCH PLANS AND DETAILS].
13. HOT MIX ASPHALT (HMA) SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION [CALTRANS] STANDARD SPECIFICATIONS FOR BE TYPE A, [1/2-INCH][3/4-INCH] MAXIMUM SIZE AGGREGATE. ASPHALT BINDER SHALL BE [PG 64-28] [COLD WEATHER REGIONS] [PG 64-10] [VALLEY REGIONS].
14. AGGREGATE BASE SHALL BE 3/4" CLASS 2 AGGREGATE BASE PER STATE SPECIFICATIONS, SECTION 26. COMPACT TO 95% OF MAXIMUM DENSITY AS MEASURED BY ASTM D-1557.
15. POT HOLE AND VERIFY LOCATIONS OF ALL PIPE AND UTILITY CROSSINGS PRIOR TO CONSTRUCTION.
16. ALL BRUSH PILES CREATED CLEARING SHALL BE ABATED PRIOR TO THE NEXT FIRE SEASON.
17. HYDROSEED ALL CUT AND FILL AREAS THAT ARE NOT SURFACED WITH ASPHALT OR AGGREGATE BASE.
18. PARKING BUMPERS SHALL BE 4-FOOT LONG PRE-CAST CONCRETE AS PER COOK CONCRETE PRODUCTS, ITEM PB 4 OR EQUAL. EACH BUMPER SHALL BE ANCHORED WITH TWO PIECES OF 1/2-INCH REBAR, 24" LONG.

30% DRAFT

BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

REVISIONS		
NO	DATE	DESCRIPTION



DES: TJ    CKD:    JOB NO.     
 DRN: TJ    DATE: 7/28/23    3023.01

SIGNED  
 PRELIMINARY  
 NOT FOR  
 CONSTRUCTION

HUMBOLDT BAY MWD TRF GENERATOR  
 440 PIPELINE RD ARCATA, CA  
 CIVIL DETAILS AND SECTIONS

SHEET  
**C2.0**  
 PG 4 OF 15

**APPLICABLE CODES & REGULATIONS:**

1. 2022 California Building Code, Volumes 1 & 2 (CBC)
2. 2022 California Electrical Code (CEC)
3. 2022 California Mechanical Code (CMC)
4. 2022 California Plumbing Code (CPC)
5. 2022 California Energy Code
6. 2022 California Fire Code
7. 2022 California Green Building Standards Code
8. 2022 California Administrative Code

**STRUCTURAL DESIGN CRITERIA:**

**Risk category:** IV

**Snow Design Data**  
Ground Snow Load:  $P_g = 5$  psf

**Wind Design Data**  
Ultimate Design Wind Speed:  $V_{ULT} = 103$  mph  
Exposure Category: C  
Topographic Factor:  $K_{ZF} = 1.15$

**Seismic Design Data**  
Component Importance Factor:  $I_p = 1.5$   
Seismic Coefficients:  $a_p = 1.0, R_p = 2.5, \Omega_0 = 2.0$  (Generator w/ Sub-base Fuel Tank)  
 $a_p = 2.5, R_p = 6.0, \Omega_0 = 2.0$  (ATS Cabinet)

**Acceleration Parameters:**  
 $S_s = 2.613, S_1 = 1.072$   
 $S_{DS} = 1.742, S_{D1} = 1.822$

**Site Class:** D  
**Seismic Design Category:** D

**Foundation Design Criteria**  
Allowable Bearing Pressures:  
DL + LL = 1500 PSF  
DL + LL + SEISMIC = 2000 PSF  
DL + LL + WIND = 2000 PSF

**GENERAL REQUIREMENTS:**

All construction shall conform with 2022 California Building Code and all other applicable codes, ordinances, laws and provisions set forth in these Construction Documents. The Construction Documents are considered to be, but are not limited to, the plans and specifications, notifications, change orders, addendums, clarifications and instructions. Any construction that does not comply with the Construction Documents shall be subject to rejection by the Engineer.

**CONTRACTOR REQUIREMENTS:**

**Dimensions** shall be checked by the Contractor prior to construction between these plans and other plans. Verify existing dimensions prior to construction. Discrepancies shall be brought to the immediate attention of the Engineer for resolution.

**Temporary bracing** of the building or other structures during construction is the responsibility of the contractor. Such bracing shall account for material stockpile loads, removal of existing supports and loads from equipment and methods employed during construction. The building or other structures shall also be adequately braced to withstand any wind loads, seismic and snow loads which might occur during construction until the permanent structural framing system, including but not limited to all diaphragms, shear walls, bracing, etc., is completed.

**STRUCTURAL REVIEWS AND INSPECTIONS:**

See SPECIAL INSPECTION & TESTING CHECKLIST below.

The Contractor shall notify the Special Inspector at least 4 days in advance of any construction activity which requires inspection.

**FOUNDATION NOTES:**

The footings shown on the plans were designed using the recommendations from the Geotechnical Report by KC Engineering Company (RD558) dated June 26, 2023. The maximum allowable bearing capacity is 1500 psf under Dead Load plus Live Load. The allowable bearing pressure is permitted a 1/3 increase for load combinations that include wind and seismic loads.

**SPECIAL INSPECTION & TESTING CHECKLIST**


ITEM	TESTING	INSPECTION		NOTES ON INSPECTION AND TESTING CRITERIA AND METHODS
		BY	TYPE	
EXCAVATIONS AND COMPACTION Special Inspection	COMPACTION	GEOTECH	SPOT	Observe excavations and compaction for conformance with the geotechnical report.
CONCRETE Special Inspection	SLUMP AIR CONTENT COMP CYLINDERS	SPECIAL OR FIELD INSP	CONT	Verify mix design. Prior to placement, measure temperature, air content and determine slump with slump cone. Make concrete cylinders (four 4x8 or three 6x12 cylinders minimum for each 150 yards or less of concrete per day). Check weigh masters certificate to confirm specified concrete mix. Prepare inspection report. Check consolidation, finishing, and curing methods.  Observe reinforcement for size, grade, spacing, clearance, bar support type and spacing, secureness, lap splice locations and lengths, bend diameters. No double or reverse bending. Verify no dirt or oil on reinforcement.  Observe formwork for shape, location and dimensions of the concrete member being formed. Verify formwork is sufficiently tight to prevent leakage of concrete and that it is installed in conformance with the approved shop drawings.
ADHESIVE ANCHORS Special Inspection (Per CBC Table 1705.3 Item 4)	NONE	SPECIAL OR FIELD INSP	CONT	Verify hole diameter and depth, brush and air clean, adhesive type, rod diameter and length, sufficient adhesive and clean-up.

- SPECIAL** Denotes an inspector qualified to perform the inspection and/or testing for the particular item under consideration. The inspector shall not be an employee of the Construction Contractor nor shall he/she be selected by the Contractor. The Engineer shall approve the Special Inspector and testing agency prior to employment for this project.
- FIELD INSPECTOR** Denotes the owners qualified full time job site inspector responsible for daily inspections.
  - SEOR** Denotes the Structural Engineer of Record responsible for the structural design or his representative. (PACE Engineering)
  - GEOTECH** Denotes Geotechnical engineer responsible for observing Geotechnical conditions. (KC Engineering)
  - CONT** Denotes full-time observation by the field Inspector while the item is being constructed.
  - SPOT** Denotes observation by the field Inspector after the item is constructed to verify the item is satisfactory for the next phase of construction.
  - PERIODIC** Denotes observation by the field Inspector during the course of construction to verify conformance with the Contract Documents as the work progresses.

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BAR IS ONE INCH ON ORIGINAL DRAWINGS  
0" 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS		
NO	DATE	DESCRIPTION

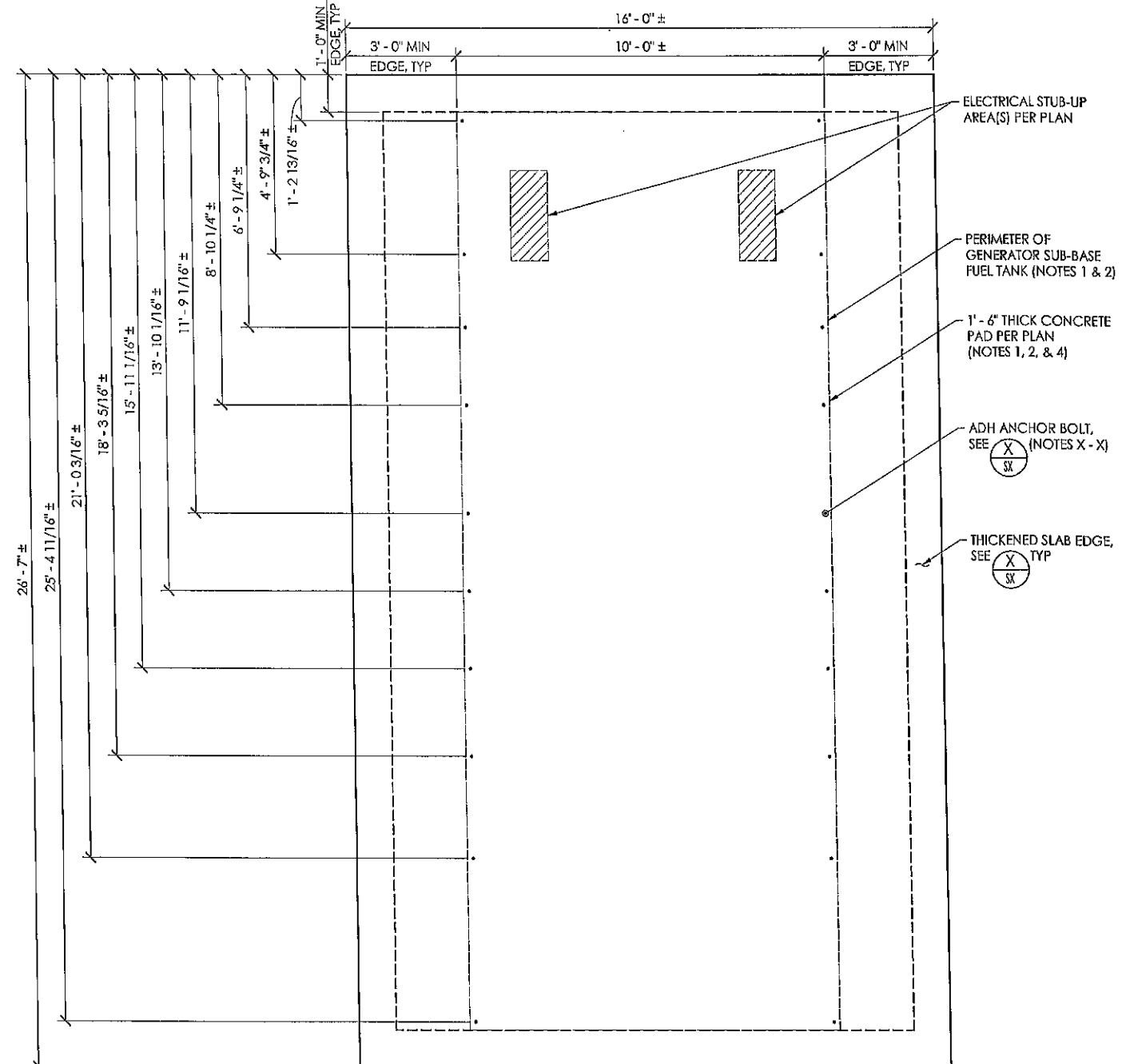
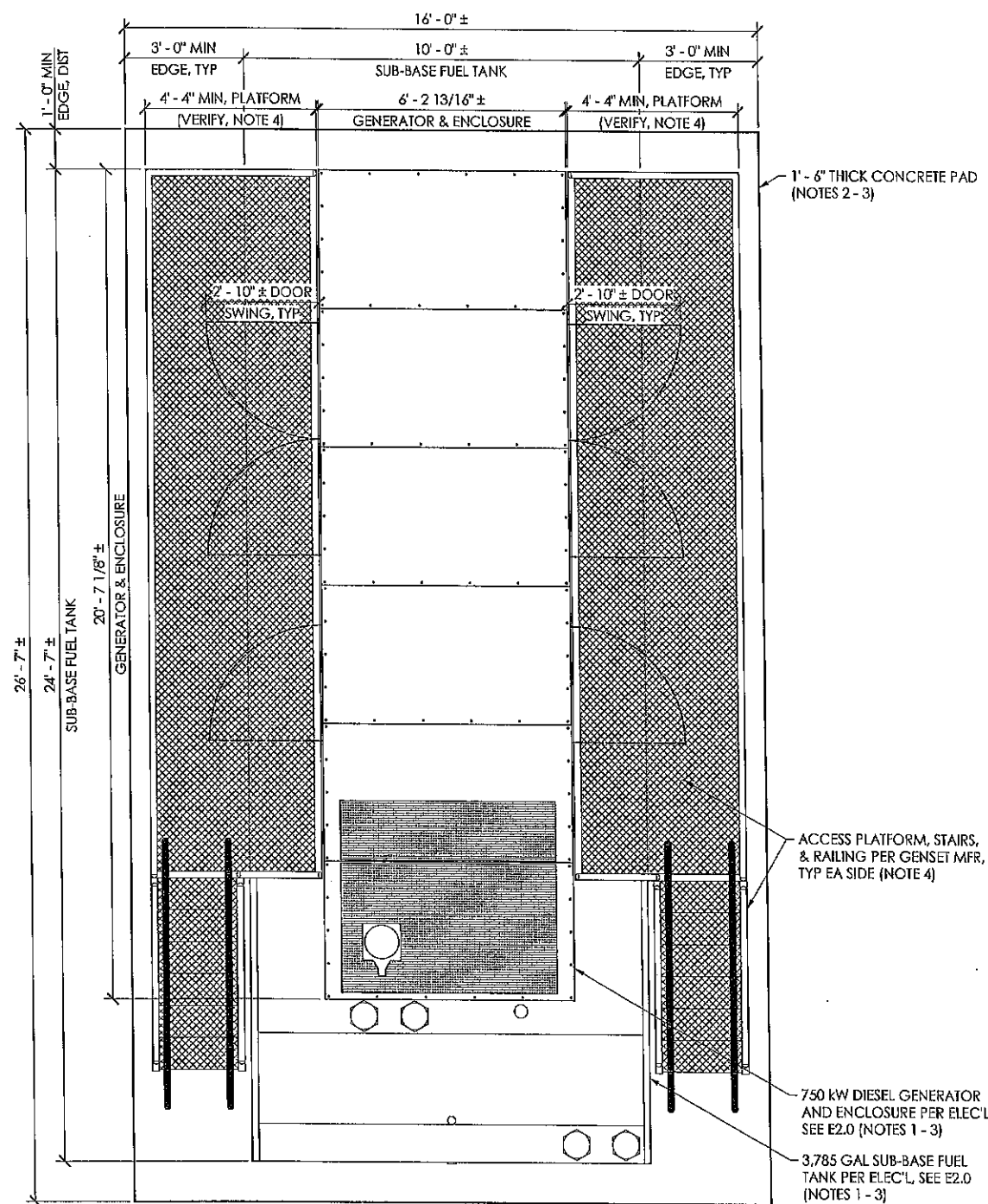


DES: NAC CKD: SPW JOB NO. 3073.01  
DRW: NJW DATE: 7/28/23

SIGNED  
PRELIMINARY NOT FOR CONSTRUCTION

HUMBOLDT BAY MWD TRF GENERATOR  
440 PIPELINE RD ARCATA, CA  
GENERAL STRUCTURAL NOTES & TYPICAL DETAILS

SHEET  
S1.0  
PG 5 OF 15



NOTES:

1. DIESEL GENERATOR & SUB-BASE FUEL TANK SHOWN IS GENERIC AND MAY VARY FROM FINAL DESIGN & CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCY.
2. ESTIMATE CONCRETE PAD FOOTPRINT IS 26'-7" ± LONG x 16'-0" ± WIDE. CONTRACTOR SHALL VERIFY PAD DIMENSIONS WITH GENERATOR MANUFACTURER PRIOR TO CONSTRUCTION OF GENERATOR PAD. NOTIFY ENGINEER OF ANY DISCREPANCY.
3. SUB-BASE FUEL TANK TO BE CENTERED ON CONCRETE PAD. TANK FOOTPRINT IS 24'-7" ± LONG x 10'-0" ± WIDE.
4. ACCESS PLATFORM, STAIRS, AND RAILINGS SHOWN ARE GENERIC AND MAY VARY FROM FINAL DESIGN & CONSTRUCTION. CONTRACTOR TO VERIFY ACCESS PLATFORM SIZE AND LOCATION WITH GENERATOR MANUFACTURER. NOTIFY ENGINEER OF ANY DISCREPANCY.
5. FOR ADDITIONAL INFORMATION NOT SHOWN, SEE CIVIL SHEET C1.1 & ELECTRICAL SHEET E1.2

NOTES:

1. CONCRETE PAD AND GENERATOR ORIENTATION SHOWN IS GENERIC. SEE PLAN FOR ORIENTATION
2. ESTIMATE CONCRETE PAD FOOTPRINT IS 26'-7" ± LONG x 16'-0" ± WIDE. CONTRACTOR SHALL VERIFY PAD DIMENSIONS WITH GENERATOR MANUFACTURER PRIOR TO CONSTRUCTION OF GENERATOR PAD. NOTIFY ENGINEER OF ANY DISCREPANCY.
3. SUB-BASE FUEL TANK TO BE CENTERED ON CONCRETE PAD. TANK FOOTPRINT IS 24'-7" ± LONG x 10'-0" ± WIDE.
4. CONTRACTOR SHALL VERIFY ANCHOR BOLT SIZE, QUANTITY, AND LOCATION WITH GENERATOR MANUFACTURER [ACCESS PLATFORM ANCHOR BOLTING NOT SHOWN]. NOTIFY ENGINEER OF ANY DISCREPANCY.
5. CONTRACTOR SHALL ADJUST TOP REINFORCEMENT LOCATION AS REQUIRED TO AVOID CONFLICT WITH ANCHOR LOCATIONS.
6. FOR ADDITIONAL INFORMATION NOT SHOWN, SEE CIVIL SHEET C1.1 & ELECTRICAL SHEET E1.2

GENERATOR FOUNDATION PLAN  
1/2" = 1'-0"

FUEL TANK ANCHORAGE PLAN  
1/2" = 1'-0"

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0" = 1'-0"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS		
NO	DATE	DESCRIPTION

**PACE ENGINEERING**

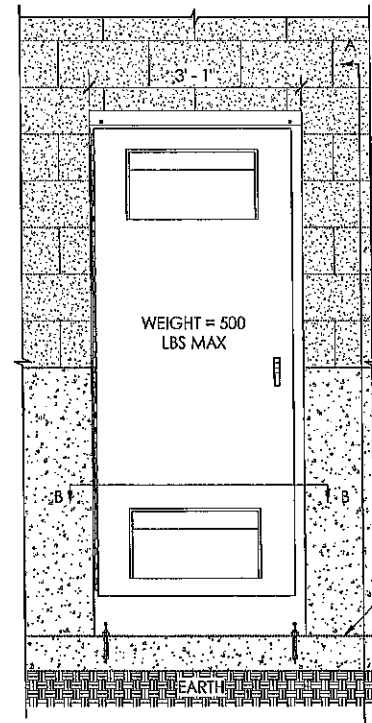
DES. NAC CKD. SPW JOB NO. DRN. NMM/MAC DATE 7/28/23 3073.01

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NOT FOR  
CONSTRUCTION

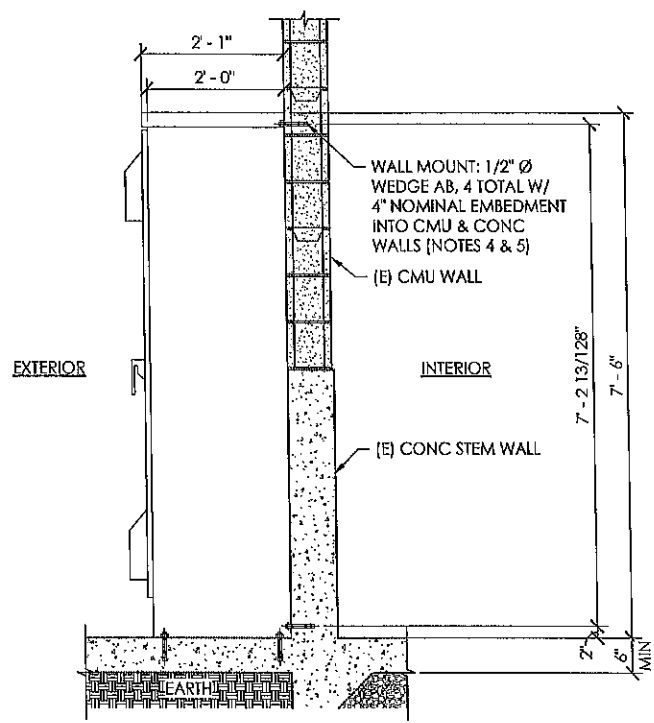
HUMBOLDT BAY MWD TRF GENERATOR  
440 PIPELINE RD ARCATA, CA  
GENERATOR FOUNDATION & ANCHORAGE PLAN

SHEET  
**S2.0**  
PG 6 OF 15

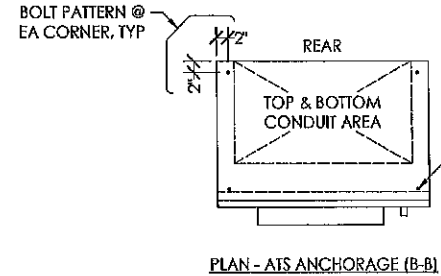
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ELEVATION - FRONT



ELEVATION - SIDE (A-A)



PLAN - ATS ANCHORAGE (B-B)

NOTES:

1. ATS CABINET DIMENSIONS MAY VARY. THIS DETAIL SHALL ACCOUNT FOR THE LARGEST EQUIPMENT AVAILABLE, BUT FASTENING AND ANCHORAGE SHALL BE USED EQUALLY FOR SMALLER CABINET CONFIGURATIONS.
2. CONTRACTOR SHALL VERIFY EXISTING CONCRETE SLAB THICKNESS ON EXTERIOR SIDE PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCY.
3. CONTRACTOR TO VERIFY AB SIZE, QTY, AND LOCATION WITH EQUIPMENT MANUFACTURER. NOTIFY ENGINEER OF ANY DISCREPANCY.
4. WEDGE ANCHOR BOLTS SHALL BE SIMPSON SS STRONG-BOLT 2 (ICC ESR-3037) (TORQUE TEST FOR 65 FT-LBS), HILTI SS KB-TZ2 (ICC ESR-1917) (TORQUE TEST FOR 40 FT-LBS), OR APPROVED EQUAL. NOTIFY ENGINEER OF ANY DISCREPANCY.
5. FOR ADDITIONAL INFORMATION, SEE ELECTRICAL SHEETS E2.1.

ATS CABINET EQUIPMENT PAD & ANCHORAGE DETAIL 1/32.1

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0" 1"  
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REVISIONS		
NO	DATE	DESCRIPTION

**PACE**  
ENGINEERING

DES: MAC	CKD: SPW	JOB NO.
DRN: NJW/MAC	DATE: 7/28/23	3073.01

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CONSTRUCTION

HUMBOLDT BAY MWD TRF GENERATOR  
440 PIPELINE RD ARCATA, CA  
GENERATOR & ATS MOUNTING DETAILS


SHEET  
**S2.1**  
PG 7 OF 15

ELECTRICAL SYMBOLS				
TICK MARKS	---	CONDUIT EXPOSED		
	----	CONDUIT CONCEALED or BURIED		
	- - - -	INDICATES FIRE RATED WALL		
	○	CONDUIT UP		
	○	CONDUIT DOWN		
	→ LA-2	HOME RUN-DESTINATION SHOWN		
		TICK MARKS WITHOUT BARS INDICATES NUMBER OF #12 CONDUCTORS WITH #12 GROUND		
	⊕	JUNCTION BOX		
	⊕	CONNECTION POINT (CONTRACTOR SHALL DETERMINE CONNECTION CONFIGURATION)		
	⊕	DUPLEX RECEPTACLE		
DEVICES, BOXES AND TERMINATIONS	⊕	QUADRUPLEX RECEPTACLE		
	⊕	PULL BOX		
	⊕	FUSED DISCONNECT	XXA/XXF XX	60AS/20F WP
	⊕	NON-FUSED DISCONNECT	XX XX	60AS/20F WP
	⊕	MAJOR ELECTRICAL COMPONENT OR DEVICE NAME OR IDENTIFYING SYMBOL AS SHOWN		
	⊕	SURFACE MOUNT PANELBOARD		
	⊕	FLUSH MOUNT PANELBOARD		
	⊕	EXOTHERMIC WELD, TERMINATION OR SPLICE POINT		
	⊕	GROUND ROD		
	⊕	GROUNDING ELECTRODE		
EQUIPMENT	⊕	CIRCUIT BREAKER		
	⊕	CURRENT TRANSFORMER, NUMBER INDICATED		
	⊕	KEYNOTE		
	(A : B)	INDICATES INTERCONNECTION OF PATHWAYS AND/OR CONDUCTORS, E.G., 4" C-#500, 1#3G (MSB : PNL A) INDICATES CONDUIT AND CONDUCTORS ROUTED FROM THE MAIN SWITCHBOARD TO PANELBOARD A.		
	26 00 00	SPECIFICATION NUMBER REFERENCE TAG. CONFORMANCE TO PROJECT SPECIFICATIONS IS REQUIRED. WHERE TAGS ARE SHOWN ON THE DRAWINGS, IT IS THE ENGINEER'S INTENT TO RAISE ADDITIONAL AWARENESS TO PRODUCTS OR EXECUTION METHODS THAT ARE CRITICAL, ATYPICAL OR NOT EXPRESSLY DETAILED ON THE DRAWINGS.		
		NOTE: THIS IS A SUPPLEMENTAL STANDARD ELECTRICAL LEGEND. SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS. SEE LIGHTING CONTROL SHEET FOR LIGHTING LEGEND.		


ELECTRICAL ABBREVIATIONS	
A	- AMMETER, AMPERE
AC	- ALTERNATING CURRENT
ACH	- ABOVE COUNTER HEIGHT
AFCI	- ARC FAULT CIRCUIT INTERRUPT
AFF	- ABOVE FINISHED FLOOR OR GRADE
AIC	- AMPS INTERRUPTING CAPACITY
AL	- ALUMINUM
ATS	- AUTOMATIC TRANSFER SWITCH
BGES	- BUILDING GROUND ELECTRODE SYSTEM
BRKR	- BREAKER
BOD	- BOTTOM OF DEVICE
C or COND	- CONDUIT
CEC	- CALIFORNIA ELECTRIC CODE
CT	- CIRCUIT
COD	- CENTER OF DEVICE
CR	- CONTROLLED RECEPTACLE
CT	- CURRENT TRANSFORMER
DC	- DIRECT CURRENT
DP	- DISTRIBUTION PANELBOARD
(E) or EXIST	- EXISTING
EEOR	- ELECTRICAL ENGINEER OF RECORD
EGC	- EQUIPMENT GROUNDING CONDUCTOR
ENC	- ENCLOSURE
(F)	- FUTURE
G	- EQUIPMENT GROUNDING CONDUCTOR
GEC	- GROUNDING ELECTRODE CONDUCTOR
GFCI	- GROUND FAULT CIRCUIT INTERRUPT
GND	- GROUND
J	- JUNCTION BOX
LCP	- LIGHTING CONTROL PANEL
LTG	- LIGHTING
MBJ	- MAIN BONDING JUMPER
MCB	- MAIN CIRCUIT BREAKER
MFR	- MANUFACTURER
MLO	- MAIN LUG ONLY
MOCPP	- MAXIMUM OVERCURRENT PROTECTION
MSB	- MAIN SWITCH BOARD
MTS	- MANUAL TRANSFER SWITCH
NEC	- NATIONAL ELECTRIC CODE
NEHA	- NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION
N	- NEUTRAL
(N)	- NEW
OFCI	- OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED, OWNER INSTALLED
PB	- PULLBOX
PNL	- PANELBOARD
RCPT	- RECEPTACLE
RM	- ROOM
SWBD	- SWITCHBOARD
SBJ	- SYSTEM BONDING JUMPER
SSBJ	- SUPPLY SIDE BONDING JUMPER
T	- THERMOSTAT OR TELE CONDUIT
TOD	- TOP OF DEVICE
TR	- TAMPER
TYP	- TYPICAL
V	- VOLTMETER, VOLT
W	- WAIT
WW	- WIREWAY
WP	- WEATHERPROOF (NEMA 3R)
XFMR	- TRANSFORMER
	NOTE: THIS IS A SUPPLEMENTAL STANDARD LEGEND. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS

GENERAL NOTES	
#	NOTE
1.	DO ALL WORK AND INSTALL PRODUCTS IN ACCORDANCE WITH APPLICABLE NECA REQUIREMENTS, APPLICABLE STATE LAWS, LOCAL LAWS, CODES, AND ORDINANCES. THE CONTRACTOR SHALL ADHERE TO THE SPECIFIC PRODUCT AND INSTALLATION REQUIREMENTS OF THE UTILITY COMPANIES AND MANUFACTURERS PROVIDING MATERIALS TO THE JOB. CONFLICTS, IF ANY, WILL BE RESOLVED AT THE DISCRETION OF THE EECOR.
2.	IT IS OF THE UTMOST IMPORTANCE THAT THE INSTALLING CONTRACTOR HAVE A MASTERY OF THE PROJECT-SPECIFIC REQUIREMENTS SHOWN IN SPECIFICATIONS AND CONSTRUCTION DRAWINGS. IT IS STRONGLY ADVISED THAT THE CONTRACTOR CONTACT THE EECOR FOR CLARIFICATION OR RFI THE EECOR IF FURTHER INFORMATION IS REQUIRED. THE EECOR SHALL REQUIRE REVISIONS TO BE MADE IN THE FIELD IF THE INSTALLATION DOES NOT FALL WITHIN THESE PROJECT-SPECIFIC GUIDELINES. NO ALLOWANCE SHALL BE MADE FOR INSTALLATIONS NOT ADHERING TO THESE REQUIREMENTS.

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0"  1"  
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REVISIONS		
NO	DATE	DESCRIPTION



DES: BG CKD: TB JOB NO:  
DRN: BW DATE: 7/28/23 3073.01

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CONSTRUCTION

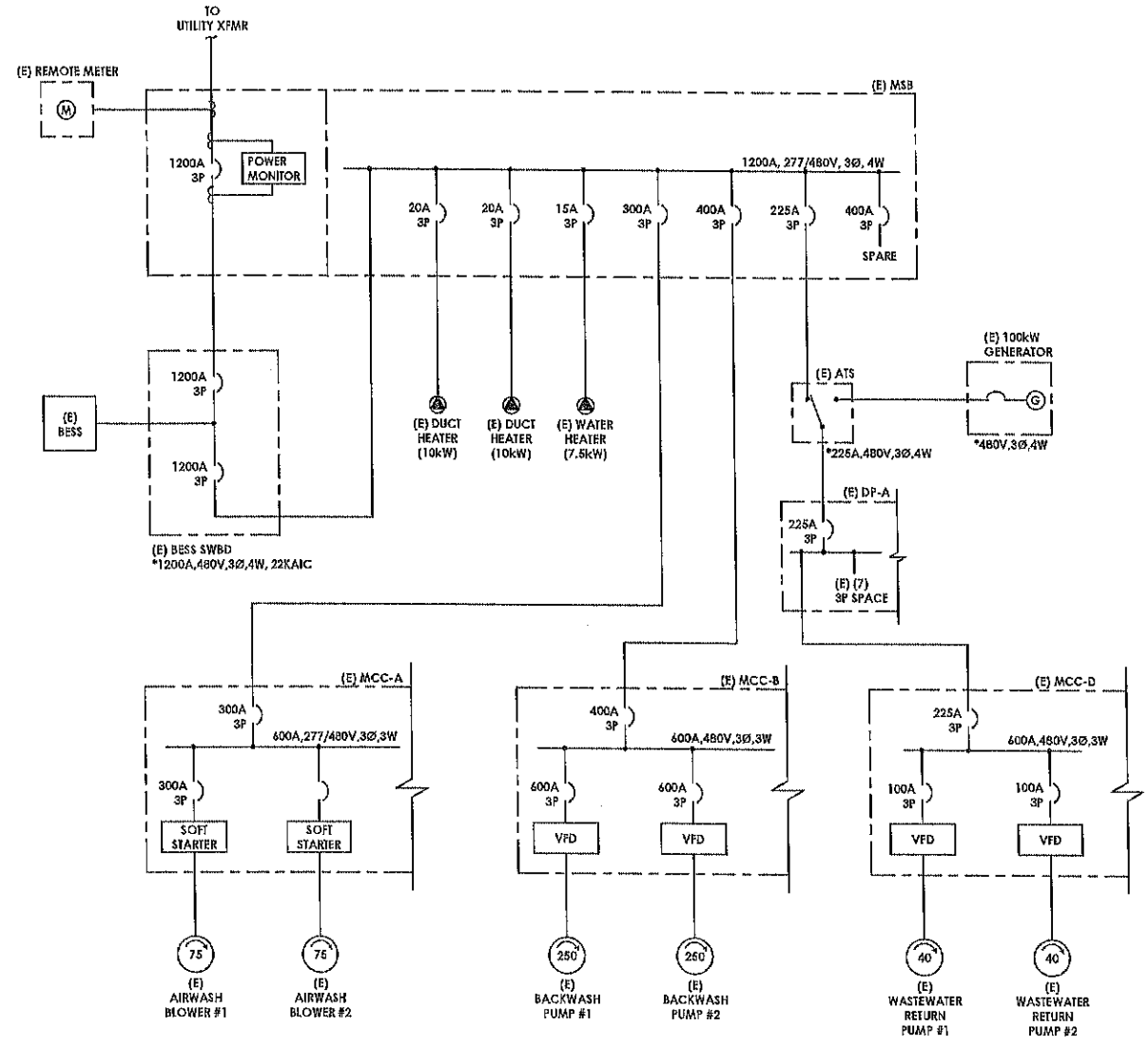
HUMBOLDT BAY MWD TRF GENERATOR  
440 PIPELINE RD ARCATA, CA.  
ELECTRICAL SYMBOLS AND ABBREVIATIONS

SHEET  
E1.0  
PG 8 OF 15

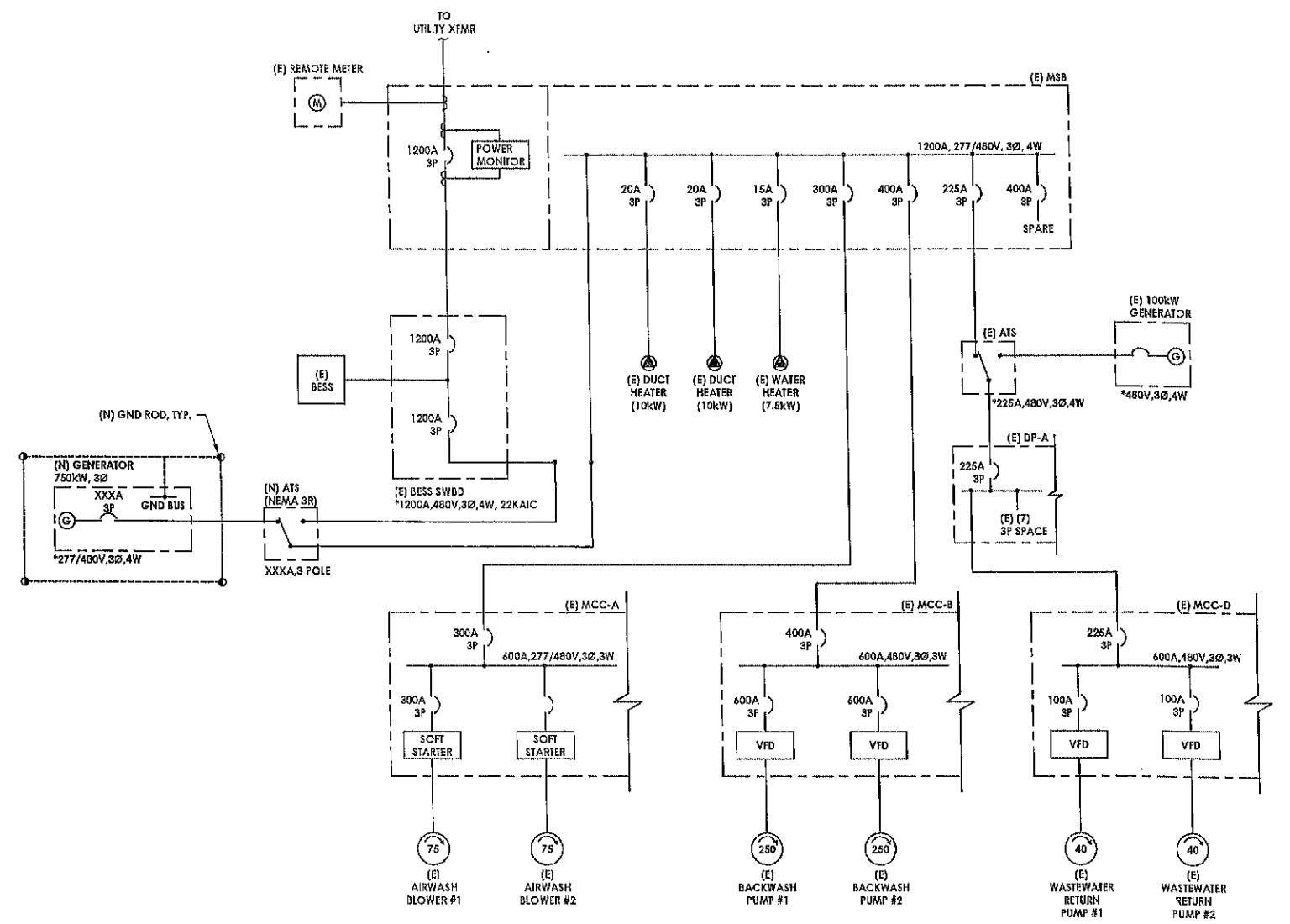
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**KEYNOTES**  
 (#) NOTE  
 1. X

**GENERAL NOTES**  
 # NOTE  
 1. PROVIDE AND INSTALL SIGNAGE ON THE INSIDE OF THE MSB, INDICATING WHERE STANDBY GENERATION IS INSTALLED FOR PANEL XXX PER CBC 702.7. THE LABELS SHALL BE PROVIDED AND INSTALL IN COMPLIANCE WITH CEC 110.21(B).



PARTIAL EXISTING ONE-LINE DIAGRAM (E1.1)



PARTIAL NEW ONE-LINE DIAGRAM (E1.2)

30% DRAFT

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 0" 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS		DESCRIPTION
NO	DATE	

**PACE ENGINEERING**

DES: BG	CKD: TB	JOB NO.
DRN: BW	DATE: 7/29/23	3073.01

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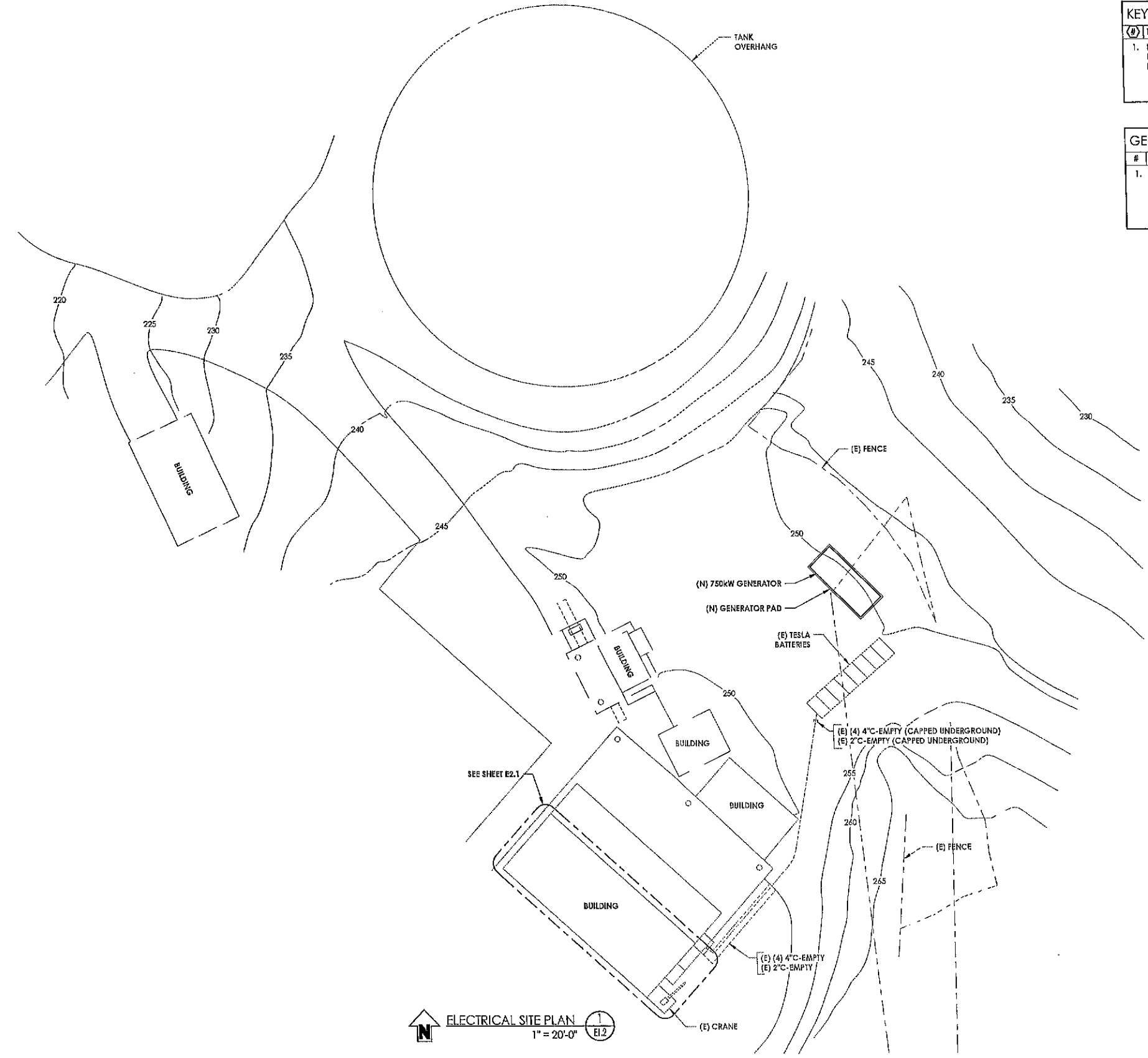
HUMBOLDT BAY MWD TRF GENERATOR  
 440 PIPELINE RD ARCATA, CA.  
 ONE-LINE DIAGRAMS

SHEET  
**E1.1**  
 PG 9 OF 15

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KEYNOTES	
(N)	NOTE
1.	PATHWAYS AND RACEWAYS DIRECTLY RELATED TO THE FEEDER CONDUCTORS IN THE DISTRIBUTION SYSTEM ARE SHOWN ON THE SITE PLAN. REFER TO THE ONE-LINE DIAGRAM FOR CALLOUTS REGARDING CONDUIT/CONDUCTOR INFORMATION.

GENERAL NOTES	
#	NOTE
1.	X



ELECTRICAL SITE PLAN  
1" = 20'-0"  
E1.2

30% DRAFT

BAR IS ONE INCH ON ORIGINAL DRAWING  
0" — 1"  
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REVISIONS		
NO.	DATE	DESCRIPTION

**PACE ENGINEERING**

DES. BG	CKD. TB	JOB NO.
DRN. BW	DATE 7/28/23	3073.01

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NOT FOR  
CONSTRUCTION

HUMBOLDT BAY MWD TRF GENERATOR  
440 PIPELINE RD ARCATA, CA.  
ELECTRICAL SITE PLAN

SHEET  
**E1.2**  
PG 10 OF 15

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KEYNOTES	
#	NOTE
1.	X

GENERAL NOTES	
#	NOTE
1.	REFER TO SPECIFICATION SECTION 262416, "PANELBOARDS" FOR ADDITIONAL PANELBOARD AND BREAKER REQUIREMENTS.

(E) PANELBOARD DP-A															
LOCATION		CHEMICAL BUILDING			VOLTS			480/277 WYE			AIC RATING		225 A		
MOUNTING TYPE		SURFACE			WIRES			4			BUS RATING		225 A		
ENCLOSURE TYPE		NEMA 1			CIRCUITS			60			MAIN BREAKER		225 A		
(LABEL PANELBOARDS ACCORDING TO NAMING CONVENTIONS LISTED IN ELECTRICAL SPECIFICATIONS)															
CKT	HOME RUN	LOAD NAME	TRIP	INT TYPE	A	B	C	A	B	C	INT TYPE	TRIP	LOAD NAME	HOME RUN	CKT
1		SPACE	--									--	SPACE		2
3		SPACE	--									--	SPACE		4
5		SPACE	--									--	SPACE		6
7		SPACE	--									--	SPACE		8
9		SPACE	--									--	SPACE		10
11		SPACE	--									--	SPACE		12
13		SPACE	--									--	SPACE		14
15		SPACE	--									--	SPACE		16
17		SPACE	--									--	SPACE		18
19					0 VA							--	SPACE		20
21		(E) WATER HEATER	15 A		0 VA	0 VA						--	SPACE		22
23							0 VA					--	SPACE		24
25					0 VA			0 VA							26
27		(E) SECURITY GATE	15 A			0 VA		0 VA	0 VA			15 A	(E) FCV-101		28
29							0 VA			0 VA					30
31					0 VA			0 VA							32
33		(E) LEFT HEATER	15 A			0 VA		0 VA	0 VA			15 A	(E) FCV-102		34
35							0 VA			0 VA					36
37					0 VA			0 VA							38
39		(E) RIGHT HEATER	15 A			0 VA		0 VA	0 VA			15 A	(E) FCV-461		40
41							0 VA			0 VA					42
43					0 VA			0 VA							44
45		(E) XFMR-A	50 A			0 VA		0 VA	0 VA			30 A	(E) XFMR-B		46
47							0 VA			0 VA					48
49					0 VA			0 VA							50
51		(E) PLANT WATER	100 A			0 VA		0 VA	0 VA			100 A	(E) MCC-C (RAPID MIX STATION)		52
53							0 VA			0 VA					54
55					0 VA			0 VA							56
57		(E) DP-B (FILTER BLDG)	150 A			0 VA		0 VA	0 VA			150 A	(E) MCC-D (CHEMICAL BLDG)		58
59							0 VA			0 VA					60
					PHASE A			PHASE B			PHASE C			Notes:	
					0 VA			0 VA			0 VA				
					0			0			0				

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 0" 1"  
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REVISIONS		
NO	DATE	DESCRIPTION



DES	BG	CKD	TB	JOB NO.
DRN	BW	DATE	1/28/23	3073.01

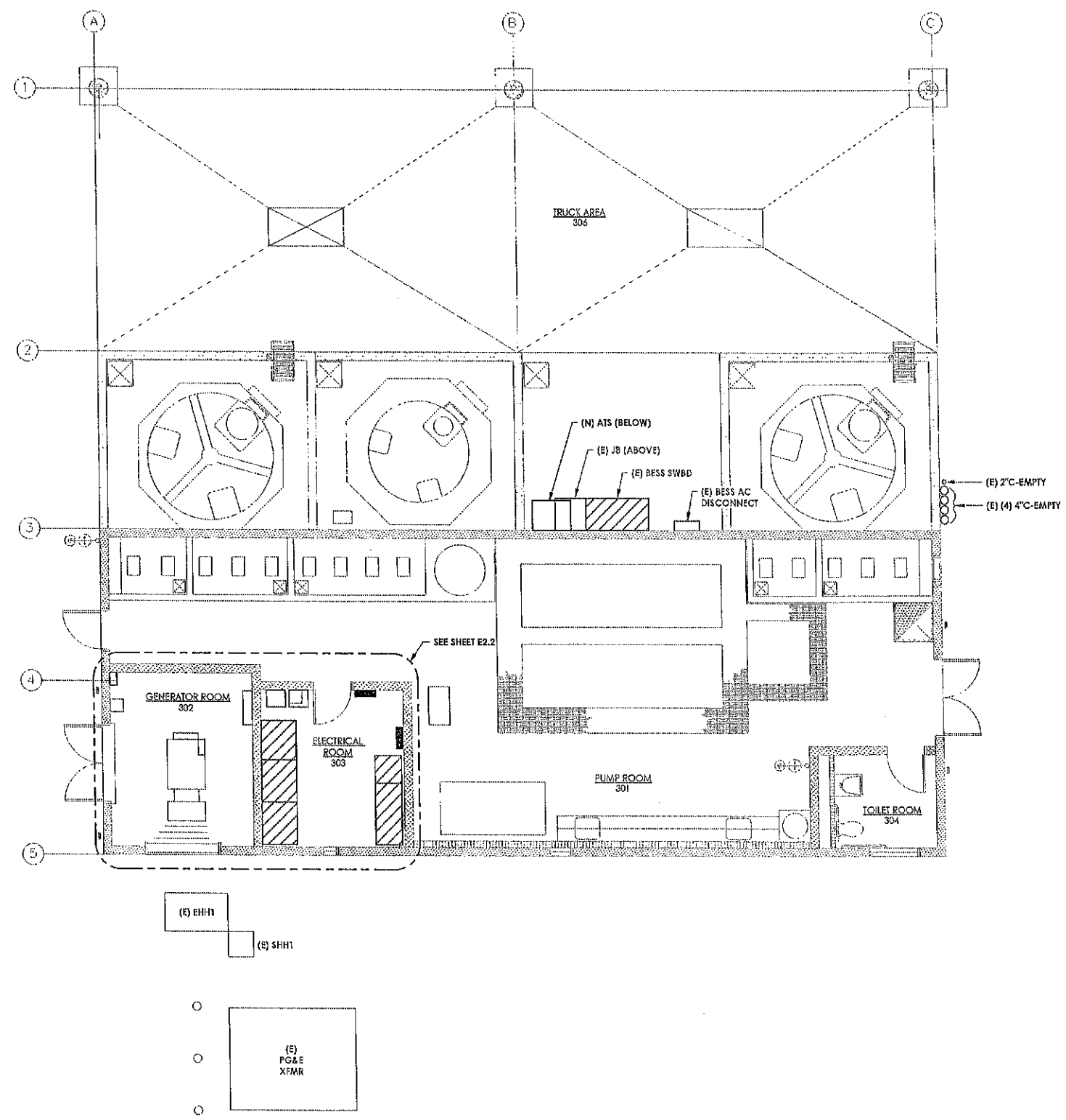
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HUMBOLDT BAY MWD TRF GENERATOR  
 440 PIPELINE RD ARCATA, CA.  
 PANEL SCHEDULE

SHEET  
**E1.3**  
 PG 11 OF 15

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**KEYNOTES**

# NOTE

1. PATHWAYS AND RACEWAYS DIRECTLY RELATED TO THE FEEDER CONDUCTORS IN THE DISTRIBUTION SYSTEM ARE SHOWN ON THE SITE PLAN. REFER TO THE ONE-LINE DIAGRAM FOR CALLOUTS REGARDING CONDUIT/CONDUCTOR INFORMATION.

**GENERAL NOTES**

# NOTE

1. X

CHEMICAL BUILDING - POWER PLAN 1/21  
3/16" = 1'-0"

30% DRAFT

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0" 1"  
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REVISIONS		DESCRIPTION
NO	DATE	



DES	BG	CKD	TB	JOB NO.
DRN	BW	DATE	7/28/23	3073.01

SIGNED  
PRELIMINARY  
NOT FOR  
CONSTRUCTION

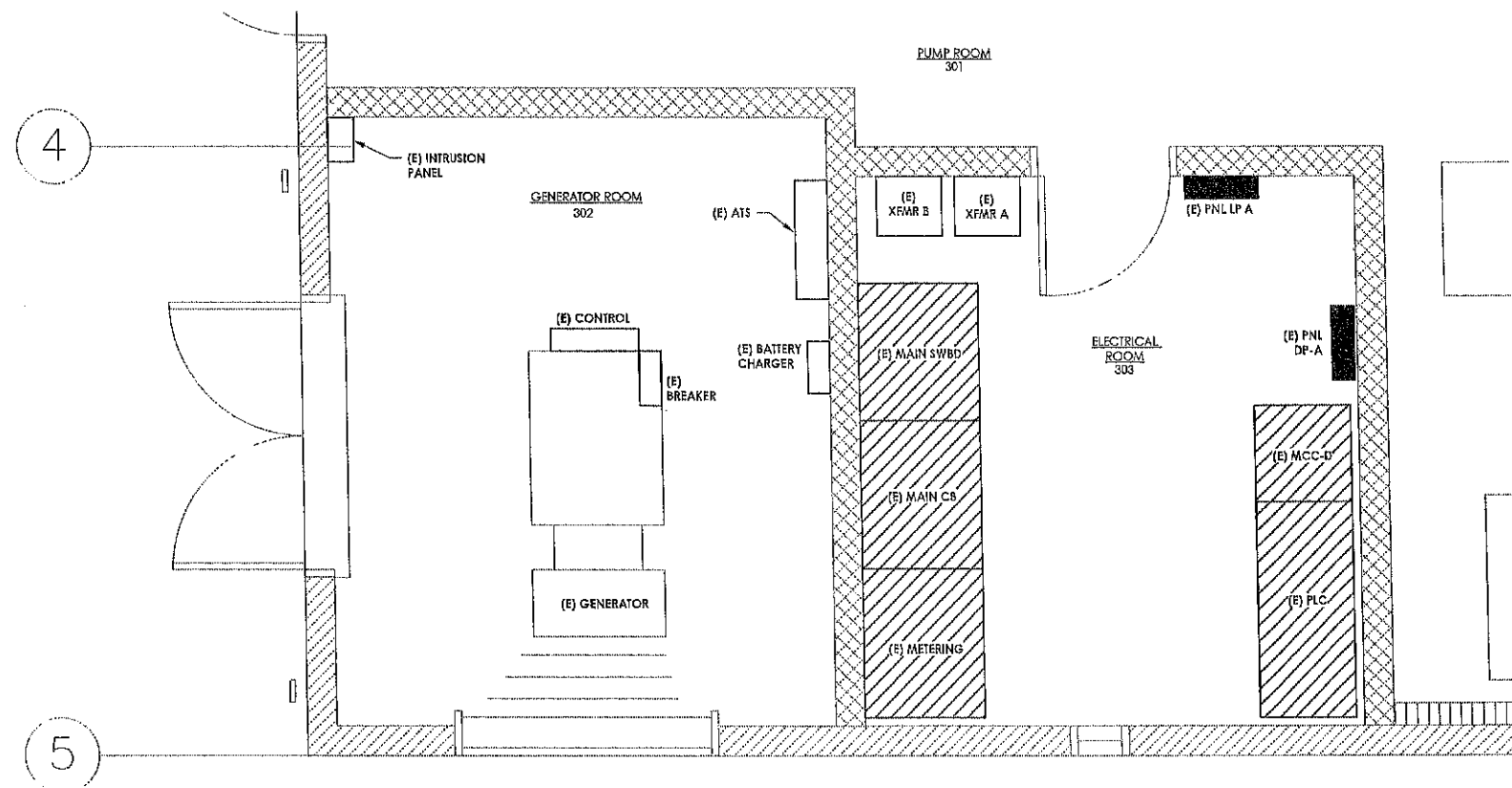
HUMBOLDT BAY MWD TRF GENERATOR  
440 PIPELINE RD ARCATA, CA.  
CHEMICAL BUILDING - POWER PLAN

SHEET  
**E2.1**  
PG 12 OF 15

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KEYNOTES	
#	NOTE
1.	X

GENERAL NOTES	
#	NOTE
1.	X



← ELECTRICAL ROOM - POWER PLAN 1/2" = 1'-0" 1 E2.2

30% DRAFT

BAR IS ONE INCH ON ORIGINAL DRAWING  
0" = 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS		
NO	DATE	DESCRIPTION

**PACE ENGINEERING**

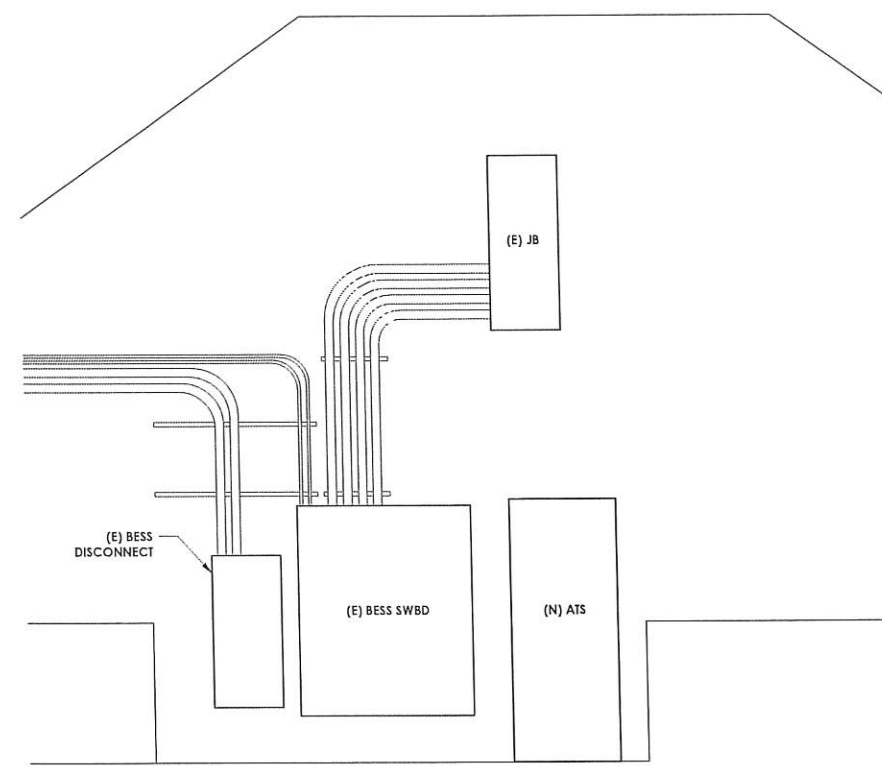
DES. BG	CKD. TB	JOB NO.
DRN. BW	DATE 7/28/23	3073.01

SIGNED  
PRELIMINARY NOT FOR CONSTRUCTION

HUMBOLDT BAY MWD TRF GENERATOR  
440 PIPELINE RD ARCATA, CA.  
ELECTRICAL ROOM - POWER PLAN

SHEET  
**E2.2**  
PG 13 OF 15

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BESS AND ATS ELECTRICAL ELEVATION 1  
NTS E23

30% DRAFT

BAR IS ONE INCH ON ORIGINAL DRAWING  
0" 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS	
NO	DATE



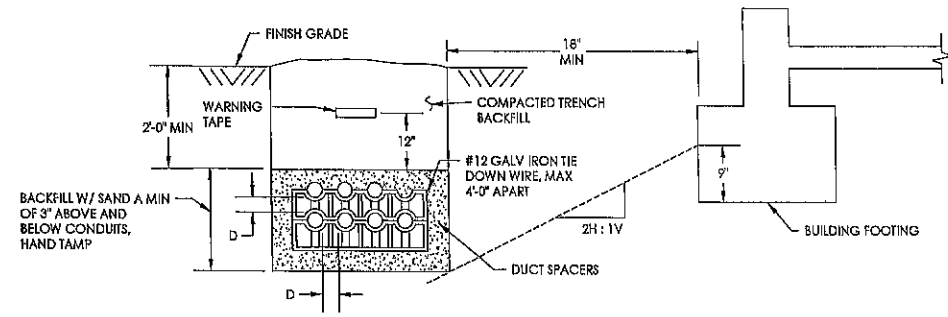
DES	BG	CKD	TB	JOB NO.
DRN	BW	DATE	7/28/23	3073.01

SIGNED  
PRELIMINARY  
NOT FOR  
CONSTRUCTION

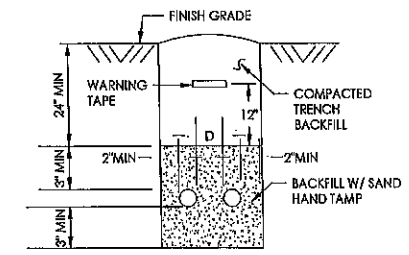
HUMBOLDT BAY MWD TRF GENERATOR  
440 PIPELINE RD ARCATA, CA.  
ELECTRICAL ELEVATION

SHEET  
**E2.3**  
PG 14 OF 15

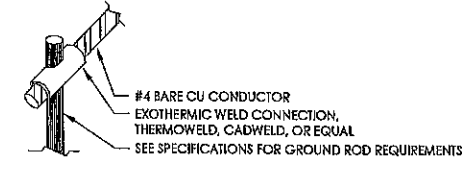
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- NOTES:**
1. D=3" MIN FOR 2" AND LARGER CONDUIT
  2. D=2" MIN FOR 1 1/2" AND SMALLER CONDUIT
  3. CONDUIT DETAIL FOR MORE THAN 4 RACEWAYS PER TRENCH
  4. H=HORIZONTAL DISTANCE, V=VERTICAL DISTANCE
  5. INSTALLATION SHALL BE IN COMPLIANCE WITH CBC 1809A.14.
  6. DUCT SPACES SHALL BE PROVIDED AND INSTALLED IN ALL DUCT RUNS WITH 5 CONDUITS OR MORE.



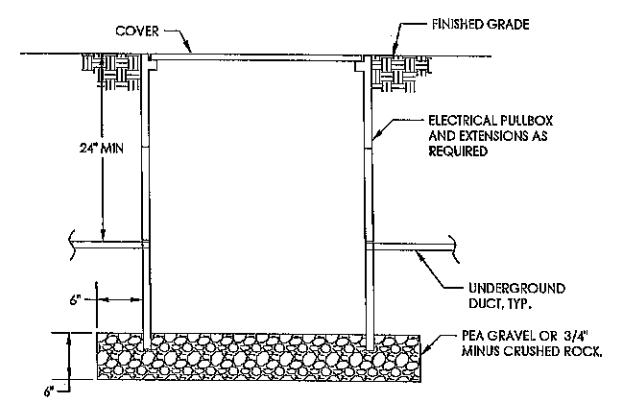
- NOTES:**
1. D=3" MIN FOR 2" AND LARGER CONDUIT
  2. D=2" MIN FOR 1 1/2" AND SMALLER CONDUIT
  3. CONDUIT DETAIL FOR LESS THAN 4 RACEWAYS PER TRENCH.
  4. DUCT RUNS WITH 5 OR MORE CONDUITS SHALL EMPLOY DUCT SPACERS.



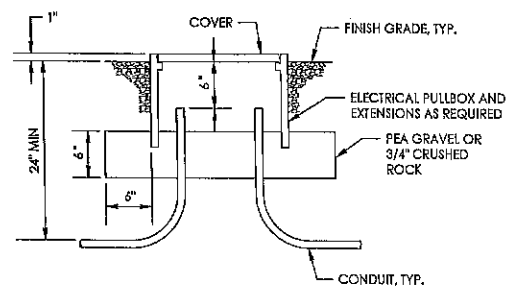
GROUNDING - CABLE TO GROUND ROD (1) NTS E3.0

RACEWAY - UNDERGROUND CONDUIT SUPPORTS (2) NTS E3.0

RACEWAY - UNDERGROUND CONDUIT (3) NTS E3.0



BOXES - UNDERGROUND PULL THROUGH (4) NTS E3.0



BOXES - UNDERGROUND SWEEP UP (5) NTS E3.0

30% DRAFT

BAR IS ONE INCH ON ORIGINAL DRAWING  
 0" 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS	
NO	DATE

**PACE ENGINEERING**

SIGNED  
 PRELIMINARY NOT FOR CONSTRUCTION

DES	BC	CKD	TR	JOB NO.
DRN	BW	DATE	7/28/23	3073.01

HUMBOLDT BAY MWD TRF GENERATOR  
 440 PIPELINE RD ARCATA, CA.  
 ELECTRICAL DETAILS

SHEET  
**E3.0**  
 PG 15 OF 15

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**FINANCIAL**

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



<u>BANK ACCOUNT BALANCES AT MONTH-END</u>	July 31, 2023	July 31, 2022
<b>GENERAL ACCOUNTS</b>		
1. US Bank - General Account	2,443,254.94	3,834,013.94
2. US Bank - Xpress BillPay/Electronic Payments Account	8,350.82	3,382.52
<i>Subtotal</i>	2,451,605.76	3,837,396.46
<b>INVESTMENT &amp; INTEREST BEARING ACCOUNTS</b>		
3. US Bank - DWR/SRF Money Markey Acctnt	166,610.78	166,548.44
4. US Bank - DWR/SRF Reserve CD Account	547,336.94	547,336.94
5. US Bank - PARS Investment Account	928,274.81	906,479.07
<i>Contributions = \$800,000    Disbursements = \$91,132</i>		
6. L. A. I. F Account - MSRA Reserve Account	456,011.16	445,577.91
7. CalTRUST - Restricted Inv. Account (Medium Term)	1,329,638.18	1,329,638.18
8. CalTRUST - Unrestricted Inv. Account (Medium Term)	380,964.56	369,207.67
9. CalTRUST - DWFP Reserve Account (FedFund)	-	241,439.02
10. CalTRUST - ReMat Account (LEAF Fund)	-	1,071,198.83
11. CalTRUST - General Reserve Account (Short-Term)	5,488,205.71	2,369,534.14
<i>Total CalTRUST Accounts</i>	<i>7,198,808.45</i>	<i>5,381,017.84</i>
12. California CLASS	-	-
<i>Total California CLASS Accounts</i>	-	-
13. Humboldt County - SRF Loan Payment Account	144,027.61	326,473.33
14. Humboldt County - 1% Tax Account	-	(18,048.38)
15. Principle Investment Account	48,193.50	35,745.93
<i>Subtotal</i>	9,489,263.25	7,791,131.08
<b>OTHER ACCOUNTS</b>		
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
<b>TOTAL CASH</b>	<b>11,968,519.01</b>	<b>11,656,177.54</b>

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



<u>FUND BALANCES AT MONTH-END</u>	July 31, 2023	July 31, 2022
<b>RESTRICTED FUNDS - ENCUMBERED</b>		
1. Prior-Year Price Factor 2 Rebate	(21,592.25)	(26,693.85)
2. Prior-Year Restricted AP Encumbrances	(782,336.00)	(254,519.00)
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	(1,161,545.19)	(993,299.80)
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	(256,817.04)	(94,616.67)
<i>Subtotal</i>	(5,903,263.18)	(5,118,894.49)
<b>RESTRICTED FUNDS - OTHER</b>		
16. 1% Tax Credit to Muni's	-	18,048.38
17. DWR Reserve for SRF Payment	(29,776.49)	(166,548.44)
18. DWR Reserve for SRF Loan	(547,336.94)	(547,336.94)
19. Pension Trust Reserves	(928,274.81)	(906,479.07)
20. ReMat Deposit	(27,000.00)	(27,000.00)
21. HB Retail Capital Replacement Reserves	(178,718.43)	(133,854.29)
<i>Subtotal</i>	(1,711,106.67)	(1,763,170.36)
<b>UNRESTRICTED FUNDS</b>		
<b>BOARD RESTRICTED</b>		
22. MSRA Reserves	(456,011.16)	(445,577.91)
23. DWFP Reserves	(249,990.42)	(241,439.02)
24. ReMat Reserves	(1,358,297.02)	(1,071,198.83)
25. Paik-Nicely Development	-	(4,158.00)
26. Principle Investment Reserves	(48,193.50)	(35,745.93)
27. Northern Mainline Extension Study Prepayment	56.40	56.40
28. Blue Lake Rancheria Extension Study Prepayment	(10,000.00)	-
<i>Subtotal</i>	(2,112,435.70)	(1,798,063.29)
<b>UNRESTRICTED RESERVES</b>		
29. Accumulation for SRF Payment	(144,027.61)	(52,804.85)
30. Accumulation for Ranney/Techite Payment	-	-
31. General Fund Reserves	(2,097,685.85)	(2,928,876.99)
<i>Subtotal</i>	(2,241,713.46)	(2,976,049.40)
<b>TOTAL NET POSITION</b>	<b>(11,968,519.01)</b>	<b>(11,656,177.54)</b>

HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
REVENUE REPORT  
July 31, 2023

8%  
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	28,613	28,613	22,415	350,000	8%
General Revenue					
Power Sales (Net ReMat)	0	0	8,277	125,000	0%
Tax Receipts (1% Taxes)	0	0	0	1,000,000	0%
2. Miscellaneous Revenue*	1,160	1,160	9,940	50,000	2%
<i>*Detail on following page</i>					
<b>TOTAL PF2 REVENUE CREDITS</b>	<b>29,774</b>	<b>29,774</b>	<b>40,632</b>	<b>1,525,000</b>	<b>2%</b>

**B. DISTRICT REVENUE**

	RECEIPTS	RECEIPTS	YEAR	BUDGET	BUDGET
3. Industrial Water Revenue					
Harbor District	0	0	0	0	0
<i>Subtotal Industrial Water Revenue</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
4. Municipal Water Revenue					
City of Arcata	123,594	123,594	123,200	1,538,900	8%
City of Blue Lake	16,113	16,113	16,177	202,362	8%
City of Eureka	0	0	284,968	3,617,684	0%
Fieldbrook CSD	15,510	15,510	15,341	194,298	8%
Humboldt CSD	87,026	87,026	88,468	1,105,724	8%
Manila CSD	7,120	7,120	6,828	90,372	8%
McKinleyville CSD	100,364	100,364	99,853	1,266,298	8%
<i>Subtotal Municipal Water Revenue</i>	<i>349,728</i>	<i>349,728</i>	<i>634,836</i>	<i>8,015,638</i>	<i>4%</i>
<b>TOTAL INDUSTRIAL &amp; WHOLESALE REVENUE</b>	<b>349,728</b>	<b>349,728</b>	<b>634,836</b>	<b>8,015,638</b>	<b>4%</b>
5. Power Sales					
Power Sales (ReMat Revenue)	0	0	13,802	300,000	0%
Interest (ReMat Revenue)	0	0	0	0	
<b>TOTAL REMAT REVENUE</b>	<b>0</b>	<b>0</b>	<b>13,802</b>	<b>300,000</b>	<b>0%</b>
6. Other Revenue and Grant Reimbursement					
HB Retail Capital Replacement Rev.	4,019	4,019	3,640		
FCSD Contract	26,138	26,138	40,997		
FEMA/CalOES Grant Revenue	0	0	0		
SWRCB In-Stream Flow Grant Revenue	0	0	0		
Quagga Grant Revenue	0	0	0		
Misc. Grant Revenue	0	0	0		
CalFire Healthy Forest Funding	0	0	0		
CalFire Fuel Reduction Funding	8,445	8,445	0		
Interest - Muni PF2 Retained	3,552	3,552	813		
Net Increase/(Decrease) Investment Accounts	34,481	34,481	(36,457)		
<b>TOTAL OTHER/GRANT REVENUE</b>	<b>76,635</b>	<b>76,635</b>	<b>8,993</b>		
<b>GRAND TOTAL REVENUE</b>	<b>456,136</b>	<b>456,136</b>	<b>698,262</b>	<b>9,840,638</b>	<b>5%</b>





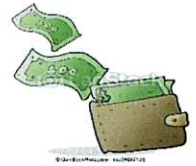
HUMBOLDT BAY MUNICIPAL WATER DISTRICT  
 MISCELANEOUS REVENUE - DETAIL REPORT  
 July 31, 2023

**B. MISCELLANEOUS RECEIPTS (RETURNED TO CUSTOMERS VIA PF2)**

	MTD RECEIPTS	YTD RECEIPTS
<u>Miscellaneous Revenue</u>		
Dividend - Principal Life	342	342
Fees - Park Use	-	-
Rebate - CALCard	-	-
Refund - Diesel Fuel Tax	200	200
Refunds - Miscellaneous	-	-
Reimb - Blue Lake SCADA/Internet Monthly Fees	59	59
Reimb. - Copies & Postage	-	-
Reimb. - Gas	-	-
Reimb. - Misc. Employee	-	-
Reimb. - Telephone	-	-
UB - Water Processing Fees	60	60
UB - Hydrant Rental Deposit/Use	-	-
Sale of Scrap Metal/Equipment/Gravel	-	-
FEMA Reimbursement - COVID-19	-	-
State Water Arrearages Administration Rev.	-	-
ACWA/JPIA HR LaBounty Safety Award	-	-
<u>Ruth Area</u>		
Lease - Don Bridge	-	-
Rent - Ruth Cabin	400	400
August Complex Wildfire FEMA Reimbursement	-	-
Ruth Annual Lessee Water Fees	100	100
<b>TOTAL MISCELANEOUS REVENUE</b>	<b>1,160</b>	<b>1,160</b>

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

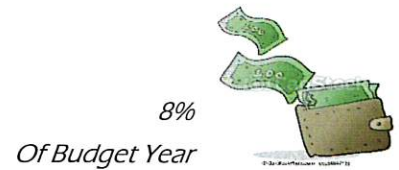
8%  
Of Budget Year



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

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
<b>Compensation</b>					
1. Wages - Regular	172,525.20	172,525.20	186,551.05	2,556,746	8%
2. Wages - Sick	3,888.61	3,888.61	6,460.40		
3. Wages - Vacation	26,033.34	26,033.34	20,137.18		
<i>Subtotal</i>	202,447.15	202,447.15	213,148.63	2,556,746	8%
4. Wages - Overtime	-	-	1,194.77	15,855	
5. Wages - Holiday (Worked)	1,727.88	1,727.88	919.11	15,855	
<i>Subtotal</i>	1,727.88	1,727.88	2,113.88	31,710	5%
6. Wages - Part-Time	4,500.15	4,500.15	3,256.57	115,430	4%
7. Wages - Shift Differential	888.00	888.00	875.40	12,156	7%
8. Wages - Standby	8,618.43	8,618.43	7,139.14	97,773	9%
9. Director Compensation	2,640.00	2,640.00	2,720.00	26,000	10%
10. Secretarial Fees	328.13	328.13	262.50	3,200	10%
11. Payroll Tax Expenses	16,609.15	16,609.15	17,486.31	228,272	7%
<i>Subtotal</i>	33,583.86	33,583.86	31,739.92	482,831	7%
<b>Employee Benefits</b>					
12. Health, Life, & LTD Ins.	46,769.90	46,769.90	40,667.30	982,991	5%
13. Air Medical Insurance	-	-	-	2,707	0%
14. Retiree Medical Insurance	9,112.27	9,112.27	8,059.02	83,000	11%
14a. Retiree Medical Reimb.	(1,185.80)	(1,185.80)	(30,644.38)		
15. Employee Dental Insurance	2,702.03	2,702.03	2,940.76	44,086	6%
16. Employee Vision Insurance	567.82	567.82	631.04	7,471	8%
17. Employee EAP	75.84	75.84	81.11	1,116	7%
18. Fitness Stipend	-	-	-	5,400	0%
19. 457b District Contribution	3,150.00	3,150.00	2,750.00	48,900	6%
20. CalPERS Expenses	304,392.19	304,392.19	319,690.47	599,102	51%
21. Workers Comp Insurance	30,753.23	30,753.23	30,880.14	146,512	21%
<i>Subtotal</i>	396,337.48	396,337.48	375,055.46	1,921,285	21%
<b>TOTAL S.E.B</b>	<b>634,096.37</b>	<b>634,096.37</b>	<b>622,057.89</b>	<b>4,992,572</b>	<b>13%</b>

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



**SERVICE & SUPPLY EXPENDITURES (S & S)**

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
<b>Operations &amp; Maintenance</b>					
1. Auto Maintenance	1,967.82	1,967.82	4,383.27	39,200	5%
2. Engineering	1,167.00	1,167.00	13,365.31	75,000	2%
3. Lab Expenses	985.00	985.00	-	13,000	8%
4. Maintenance & Repairs					
General	766.78	766.78	2,749.03	45,200	2%
TRF	164.93	164.93	284.03	17,000	1%
<i>Subtotal</i>	<i>931.71</i>	<i>931.71</i>	<i>3,033.06</i>	<i>62,200</i>	<i>1%</i>
5. Materials & Supplies					
General	2,808.91	2,808.91	595.36	39,500	7%
TRF	-	-	-	35,000	0%
<i>Subtotal</i>	<i>2,808.91</i>	<i>2,808.91</i>	<i>595.36</i>	<i>74,500</i>	<i>4%</i>
6. Radio Maintenance	578.09	578.09	257.50	8,500	7%
7. Ruth Lake License	-	-	-	5,000	0%
8. Safety Equip./Training					
General	1,268.60	1,268.60	1,628.60	19,000	7%
TRF	-	-	144.00	2,000	0%
<i>Subtotal</i>	<i>1,268.60</i>	<i>1,268.60</i>	<i>1,772.60</i>	<i>21,000</i>	<i>6%</i>
9. Tools & Equipment	59.40	59.40	387.89	5,000	1%
10. USGS Meter Station	-	-	8,220.00	9,000	0%
<i>Operations Subtotal</i>	<i>9,766.53</i>	<i>9,766.53</i>	<i>32,014.99</i>	<i>312,400</i>	<i>3%</i>
<b>General &amp; Administration</b>					
11. Accounting Services	12,750.00	12,750.00	7,908.75	35,000	36%
12. Bad Debt Expense	-	-	-	-	0
13. Dues & Subscriptions	1,268.68	1,268.68	592.66	37,400	3%
14. IT & Software Maintenance	16,470.42	16,470.42	16,824.44	82,000	20%
15. Insurance	70,872.94	70,872.94	48,787.24	120,000	59%
16. Internet	735.07	735.07	926.01	5,500	13%
17. Legal Services	4,067.16	4,067.16	62.00	35,000	12%
18. Miscellaneous	1,064.94	1,064.94	712.25	10,000	11%
19. Office Building Maint.	2,023.11	2,023.11	2,006.74	19,000	11%
20. Office Expense	3,501.83	3,501.83	2,546.48	39,600	9%
21. Professional Services	50.00	50.00	1,107.50	20,000	0%
22. Property Tax	-	-	-	3,000	0%

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

8%  
Of Budget Year



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

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
23. Regulatory Agency Fees	-	-	-	199,000	0%
24. Ruth Lake Programs	-	-	-	5,000	0%
25. Safety Apparel	-	-	-	9,300	0%
26. Technical Training	114.23	114.23	-	14,000	1%
27. Telephone	1,050.41	1,050.41	1,864.43	19,000	6%
28. Travel & Conference	537.36	537.36	-	22,000	2%
<i>Gen. &amp; Admin. Subtotal</i>	<i>114,506.15</i>	<i>114,506.15</i>	<i>83,338.50</i>	<i>674,800</i>	<i>17%</i>
<b>TOTAL SERVICE &amp; SUPPLY</b>	<b>124,272.68</b>	<b>124,272.68</b>	<b>115,353.49</b>	<b>987,200.00</b>	<b>13%</b>

**Power**

29. Essex - PG & E	62,632.90	62,632.90	-		
30. 2Mw Generator Fuel	-	-	-		
<i>Subtotal Essex Pumping</i>	<i>62,632.90</i>	<i>62,632.90</i>	<i>-</i>		
31. All other PG & E	8,356.88	8,356.88	6,971.20		
<i>Subtotal All Power</i>	<i>70,989.78</i>	<i>70,989.78</i>	<i>6,971.20</i>	<i>1,019,000</i>	<i>7%</i>

<b>Power</b>	<b>195,262.46</b>	<b>195,262.46</b>	<b>122,324.69</b>	<b>2,006,200</b>	<b>10%</b>
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**PROJECTS, FIXED ASSETS & CONSULTING SERVICES**

	Month-to-Date	Year-to-Date		Budget	% of Budget
	112,163.00	1,875,846.00		19,840,575	9%

<b>GRAND TOTAL EXPENSES</b>	<b>941,521.83</b>	<b>2,705,204.83</b>	<b>744,382.58</b>	<b>26,839,347</b>	<b>10%</b>
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32. Debt Service - SRF Loan	-	-	-	547,337	0%
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**TOTAL EXPENSES WITH DEBT SERVICE**

	941,521.83	2,705,204.83	748,539.10	27,386,683.93	
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**OTHER EXPENSES**

33. ReMat Consultant Exp.	-	-	4,156.52		
34. Capital Replacement Exp.	-	-	-		

**TOTAL EXPENSES WITH REMAT**

	195,262.46	195,262.46	126,481.21		
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**HUMBOLDT BAY MUNICIPAL WATER DISTRICT**  
**PROJECT PROGRESS REPORT**  
 July 31, 2023

8% 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>	49	49	1,900,000	0%
2 Grant - Collector 2 Rehabilitation <i>(\$1.6M - NCRP Prop 1, Approved)</i>	308,148	308,148	3,200,000	10%
3 Grant - Collector Mainline Redundancy Pipeline <i>(Treatment/Base Facility Project, \$3.1M - FEMA, Approved)</i>	42,490	42,490	3,100,000	1%
4 Grant - 3x Tank Seismic Retro <i>(\$5.7M - FEMA, Phase 1 Approved)</i>	0	0	5,700,000	0%
<b>TOTAL GRANT FUNDED CAPITAL PROJECTS</b>	<b>350,686</b>	<b>350,686</b>	<b>13,900,000</b>	<b>3%</b>

**NON-GRANT FUNDED CAPITAL PROJECTS**

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

**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	0	0	1,750	0%
12 Pipeline Maintenance Equipment	0	0	5,750	0%
13 John Deere 4052 Implements	0	0	6,500	0%
14 Maintenance Shop High Bay Lights	0	0	3,250	0%
15 Cordless Tools & Equipment	0	0	5,250	0%
16 TRF Security Fence <i>(Treatment Facility Project)</i>	0	0	7,750	0%
17 TRF Spare Process Pumps <i>(Treatment Facility Project)</i>	0	0	25,750	0%
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	233	0	0

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

8% 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	0	0	2,000	0%
26 Ruth Automated Tiltometers	0	0	50,000	
<b>TOTAL EQUIPMENT &amp; FIXED ASSET PROJECTS</b>	<b>233</b>	<b>233</b>	<b>325,250</b>	<b>0%</b>

**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	27,832	27,832	26,750	104%
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	0	0	1,750	0%
36 EOC Emergency Backpack Supplies	0	0	1,750	0%
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	0	0	1,750	0%
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	0	0	500	0%
<i>(Treatment Facility Project)</i>				
44 FY24 TRF Limatorque Valve Retrofit Supplies	0	0	14,500	0%
<i>(Treatment Facility Project)</i>				
45 TRF Valve Network Upgrade (Phase 2)	0	0	125,000	0%
<i>(Treatment Facility Project)</i>				
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	0	10,000	0%
49 FY24 Howell Bunger Valve Inspection	0	0	1,000	0%
20 FY24 Log Boom Inspection	0	0	1,500	0%
51 Ruth Hydro Synchronizer Testing	0	0	21,000	0%

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

8% Of Budget Year



**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%
<b>TOTAL MAINTENANCE PROJECTS</b>	<b>27,832</b>	<b>27,833</b>	<b>538,500</b>	<b>5%</b>

**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	0	4,000	0%
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	1,286	1,286	27,000	5%
60 FY24 O & M Training	0	0	20,000	0%
61 Backflow Tester Certification	0	0	5,750	0%
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	1,000	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)	0	0	240,850	0%
71 Domestic Water System Cathodic Protection Updates	772	772	48,000	2%
72 Water Quality Monitoring 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  
July 31, 2023

8% Of Budget Year

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

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
82 FY24 Spillway Repair, Dam Inspection/Reporting Assistance	0	0	5,000	0%
83 FY24 FERC Chief Dam Safety Engineer	768	768	12,000	6%
<b>TOTAL PROF/CONSULTING SERVICES</b>	<b>3,825</b>	<b>3,825</b>	<b>650,850</b>	<b>1%</b>

**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
<b>TOTAL INDUSTRIAL SYSTEM PROJECTS</b>	<b>0</b>	<b>0</b>	<b>13,250</b>	<b>0%</b>

**F. CARRY-OVER PROJECTS FROM PRIOR YEAR**

<b>TOTAL CARRYOVER PROJECTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>
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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	10,996	131,950	8%
91 Prof. Services for New Capital Debt	13,517	13,517	162,200	8%
92 Storage Barn for Ruth Headquarters	7,500	7,500	90,000	8%
<b>TOTAL ADVANCED CHARGES COLLECTED</b>	<b>32,013</b>	<b>32,013</b>	<b>384,150</b>	<b>8%</b>

**H. PROJECTS NOT CHARGED TO MUNICIPAL CUSTOMERS**

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
93 On-Site Generation of Chlorine <i>(\$1.2M - FY23, Treatment Facility Project)</i>	126,723	126,723	1,212,499	10%
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  
July 31, 2023

8% Of Budget Year



**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>	3,767	3,767	457,755	1%
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	1,992	1,992	0	0
101 CalFire Healthy Forest Grant <i>(CalFire Grant)</i>	4,571	4,571	5,000,000	0%
102 CalFire Fuels Reduction Program <i>(CalFire Funding)</i>	0	0	500,000	0%
<b>TOTAL NOT CHARGED TO CUSTOMERS</b>	<b>137,053</b>	<b>137,053</b>	<b>7,189,754</b>	<b>2%</b>

**PROJECT PROGRESS REPORT SUMMARY OF ALL ACTIVITY**

CUSTOMER CHARGES	MTD	YTD	BUDGET	% BUDGET
TOTAL NON-GRANT FUNDED CAPITAL PROJECTS	0	0	181,000	0%
<i>Treatment Facility Portion</i>	0	0	0	
TOTAL EQUIPMENT & FIXED ASSET PROJECTS	233	233	325,250	0%
<i>Treatment Facility Portion</i>	233	233	67,000	
TOTAL MAINTENANCE PROJECTS	27,832	27,833	538,500	5%
<i>Treatment Facility Portion</i>	0	0	140,000	
TOTAL PROF/CONSULTING SERVICES	3,825	3,825	650,850	1%
<i>Treatment Facility Portion</i>	0	0	0	
TOTAL INDUSTRIAL SYSTEM PROJECTS	0	0	13,250	0%
TOTAL CARRYOVER PROJECTS	0	0	0	0
<i>Treatment Facility Portion</i>	0	0	0	
TOTAL ADVANCED CHARGES/DEBIT SERVICE	32,013	32,013	384,150	8%
<i>Treatment Facility Portion</i>	\$0	\$0	\$0	
<b>TOTAL CUSTOMER CHARGES</b>	<b>\$63,903</b>	<b>\$63,903</b>	<b>\$2,093,000</b>	<b>3%</b>
NON-CUSTOMER CHARGES (CURRENT FY)	MTD	YTD	BUDGET	% BUDGET
TOTAL GRANT FUNDED CAPITAL PROJECTS	350,686	350,686	13,900,000	3%
TOTAL NON-CUSTOMER CHARGES	137,053	137,053	7,189,754	2%
TOTAL USE OF ENCUMBERED FUNDS	18,730	18,730	800,898	2%
<b>TOTAL NON-CUSTOMER CHARGES</b>	<b>\$506,469</b>	<b>\$506,469</b>	<b>\$21,890,652</b>	<b>2%</b>
<b>GRAND TOTAL PROJECT BUDGET ACTIVITY</b>	<b>\$570,373</b>	<b>\$570,372</b>	<b>\$23,983,652</b>	<b>2%</b>

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



	MTD EXPENSES	YTD TOTAL	AMOUNT ENCUMBERED	AMOUNT REMAINING
<b>A. CAPITAL PROJECTS</b>				
1E Fiber Optic Link - Collector 2 (Phase 1)	97	97	28,500	28,403
2E Power and Fiber Optic Link to Collector 2, Phase 2	826	826	44,000	43,174
3E Underground Power to Collector 2 - Phase 3	3,163	3,163	207,084	203,921
4E Retaining Wall for Valve Access	0	0	70,000	70,000
<b>B. EQUIPMENT &amp; FIXED ASSET PROJECTS</b>				
5E Essex Stand Alone Security and Fire Monitoring	0	0	1,750	1,750
6E Electrical Shop Offices	29	29	19,937	19,908
7E Hydro Plant Neutral Overvoltage Relay	0	0	8,956	8,956
8E Hydro Plant Wicket Gate & HBV Signal Upgrade	0	0	8,500	8,500
<b>C. MAINTENANCE PROJECTS</b>				
9E FY23 Main Line Meter Flow Calibration	0	0	24,803	24,803
10E Truesdale to Samoa Booster Station Telemetry Radio	0	0	3,209	3,209
11E Line Shed Alarm Upgrades	0	0	6,500	6,500
<b>D. PROFESSIONAL &amp; CONSULTING SERVICES</b>				
24E Above Ground 10,000 Gallon Fuel Tank Testing	0	0	5,400	5,400
25E Salary Survey	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	7,386	7,386	26,465	19,079
28E Samoa Peninsula ROW EIR (GHD)	0	0	32,932	32,932
29E Transformer at Hydro Plant	5,409	5,409	19,779	14,370
30E Upgrade Microsoft Office - Essex	15	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	729	729	9,760	9,031
36E CAISO Meter Inspection Calibration	0	0	4,000	4,000
37E Technical Dam/Spillway Support*	1,076	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

<b>ENCUMBERED FUNDS TOTAL</b>	<b>18,730</b>	<b>18,730</b>	<b>800,898</b>	<b>782,168</b>
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Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
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Vendor Name	Date Paid	Description	Amount Paid
<b>101 NETLINK</b>			
101 NETLINK	07/06/2023	Ruth Data Link/Internet	190.00
Total 101 NETLINK:			190.00
<b>ACWA Foundation</b>			
ACWA Foundation	07/28/2023	ACWA Region 1 Program and Tour 2023 - B. Rupp	55.00
Total ACWA Foundation:			55.00
<b>ACWA/JPIA</b>			
ACWA/JPIA	07/24/2023	Property Program - General FY23/24	39,100.71
ACWA/JPIA	07/24/2023	Property Program - Ruth Hydro FY23/24	6,921.38
ACWA/JPIA	07/24/2023	Property Program - TRF FY23/24	21,244.85
ACWA/JPIA	07/20/2023	RETIREE MEDICAL	9,112.27
ACWA/JPIA	07/11/2023	Workers Compensation April-June 2023	30,753.23
ACWA/JPIA	07/24/2023	Cyber Liability Insurance FY23/24	3,606.00
Total ACWA/JPIA:			110,738.44
<b>Advanced Security Systems</b>			
Advanced Security Systems	07/28/2023	Eureka Office Alarm System Maintenance	184.68
Advanced Security Systems	07/28/2023	Essex Alarm Monitoring	519.78
Total Advanced Security Systems:			704.46
<b>AirGas NCN</b>			
AirGas NCN	07/18/2023	Safety PPE for inventory	60.63
AirGas NCN	07/18/2023	Welding gas cylinder	531.86
AirGas NCN	07/18/2023	Wire brush & cut off wheels	34.76
AirGas NCN	07/28/2023	Safety PPE for inventory	74.17
AirGas NCN	07/18/2023	Cylinder Return	325.00
Total AirGas NCN:			376.42
<b>AT &amp; T</b>			
AT & T	07/24/2023	Eureka/Essex LandLine	31.43
AT & T	07/24/2023	Arcata/Essex LandLine	31.43
AT & T	07/24/2023	Eureka Office/Alarm	55.33
AT & T	07/24/2023	TRF	26.89
AT & T	07/24/2023	Essex office/Modem/Control Alarm System	26.89
AT & T	07/10/2023	Eureka Office Long Distance	7.40
AT & T	07/10/2023	Ruth HQ Long Distance	6.50
Total AT & T:			185.87
<b>ATS Communications</b>			
ATS Communications	07/28/2023	Sales Tax on IP Phone	28.97
ATS Communications	07/18/2023	IT Support for Essex Admin Computers	1,430.00
ATS Communications	07/18/2023	Annual Support for Datto backup	10,740.00
Total ATS Communications:			12,198.97
<b>Buckles-Smith</b>			
Buckles-Smith	07/18/2023	Credit - Versaview Display Screen	9,055.83
Buckles-Smith	07/18/2023	12 month SCADA support of Rockwell products 5/23-4/24	11,042.46
Buckles-Smith	07/28/2023	TRF Valve Network Upgrade	2,722.06

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
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Vendor Name	Date Paid	Description	Amount Paid
Total Buckles-Smith:			4,708.69
<b>Campton Electric Supply</b>			
Campton Electric Supply	07/28/2023	Supplies for Collector 2 Underground Project	1,191.66
Campton Electric Supply	07/28/2023	Supplies for Essex main gate area	241.40
Total Campton Electric Supply:			1,433.06
<b>Caselle, Inc</b>			
Caselle, Inc	07/13/2023	Accounting Software Annual Maintenance/Support	7,173.96
Caselle, Inc	07/13/2023	HB Retail Accounting Software Annual Maintenance/Support	1,765.67
Caselle, Inc	07/13/2023	FBGCSD Accounting Software Annual Maintenance/Support	5,025.37
Total Caselle, Inc:			13,965.00
<b>Chris Merz</b>			
Chris Merz	07/10/2023	Per Diem for Buckles-Smith Training in Sacramento	643.07
Chris Merz	07/28/2023	Fuel Purchase for Unit #7	114.23
Total Chris Merz:			757.30
<b>Citi Cards</b>			
Citi Cards	07/13/2023	Annual Membership Fee	120.00
Citi Cards	07/13/2023	Interest	1.43
Total Citi Cards:			121.43
<b>City of Eureka</b>			
City of Eureka	07/18/2023	Eureka office water/sewer	109.90
Total City of Eureka:			109.90
<b>Coastal Business Systems Inc.</b>			
Coastal Business Systems Inc.	07/28/2023	Eureka office copy and fax machine	750.17
Coastal Business Systems Inc.	07/28/2023	Essex copy/fax machine	268.25
Total Coastal Business Systems Inc.:			1,018.42
<b>Corey Borghino</b>			
Corey Borghino	07/24/2023	Eureka Petty Cash - Postage	8.13
Corey Borghino	07/24/2023	Eureka Petty Cash - Postage	8.13
Corey Borghino	07/24/2023	Eureka Petty Cash - Board meeting refreshments	22.39
Corey Borghino	07/24/2023	Eureka Petty Cash - Postage	8.13
Corey Borghino	07/24/2023	Eureka Petty Cash - Board meeting refreshments	5.76
Corey Borghino	07/24/2023	Eureka Petty Cash - Board meeting refreshments	16.89
Corey Borghino	07/24/2023	Eureka Petty Cash - Postage for 12KV	17.10
Total Corey Borghino:			86.53
<b>Dave Perkins</b>			
Dave Perkins	07/03/2023	Mileage Reimbursement	59.67
Total Dave Perkins:			59.67
<b>Dimitra A Zalarvis-Chase</b>			
Dimitra A Zalarvis-Chase	07/28/2023	CEQA Healthy Forest Grant	4,570.73

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
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Vendor Name	Date Paid	Description	Amount Paid
Total Dimitra A. Zalarvis-Chase:			4,570.73
<b>Downey Brand Attorneys LLP</b>			
Downey Brand Attorneys LLP	07/18/2023	Legal Fees June 2023 - BL Rancheria Water	1,992.00
Downey Brand Attorneys LLP	07/18/2023	Legal Fees June 2023 - Ruth	3,586.66
Downey Brand Attorneys LLP	07/18/2023	Legal Fees June 2023 - Instream Flow Investigation	1,125.00
Total Downey Brand Attorneys LLP:			6,703.66
<b>ESRI, Inc</b>			
ESRI, Inc	07/28/2023	Annual GIS Software Maintenance Support	4,620.00
Total ESRI, Inc:			4,620.00
<b>Eureka Oxygen</b>			
Eureka Oxygen	07/28/2023	cylinder rental	3.61
Eureka Oxygen	07/28/2023	Propane for EPI	112.54
Eureka Oxygen	07/28/2023	Propane for EPI	108.18
Eureka Oxygen	07/28/2023	cylinder rental	131.00
Eureka Oxygen	07/28/2023	cylinder rental	127.00
Total Eureka Oxygen:			482.33
<b>Eureka Readymix</b>			
Eureka Readymix	07/28/2023	Concrete slurry for electrical conduit protection	1,014.34
Eureka Readymix	07/28/2023	Sand for Collector 2 conduit undergrounding	683.48
Total Eureka Readymix:			1,697.82
<b>Eureka Rubber Stamp</b>			
Eureka Rubber Stamp	07/28/2023	Name Plate	14.88
Total Eureka Rubber Stamp:			14.88
<b>Eureka Times-Standard</b>			
Eureka Times-Standard	07/24/2023	Eureka Office Annual Subscription	617.91
Total Eureka Times-Standard:			617.91
<b>Fastenal Company</b>			
Fastenal Company	07/18/2023	Limitorque valve gearbox replacement	19.16
Total Fastenal Company:			19.16
<b>Franchise Tax Board</b>			
Franchise Tax Board	07/05/2023		65.00
Franchise Tax Board	07/20/2023		65.00
Total Franchise Tax Board:			130.00
<b>Frontier Communications</b>			
Frontier Communications	07/28/2023	Ruth HQ	58.84
Frontier Communications	07/28/2023	Ruth Hydro/Ruth Dataline	224.67
Total Frontier Communications:			283.51

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 7/1/2023-7/31/2023Page: 4  
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Vendor Name	Date Paid	Description	Amount Paid
<b>GEI Consultants, Inc</b>			
GEI Consultants, Inc	07/24/2023	Main Line Resiliency Project 23-0799	42,489.50
GEI Consultants, Inc	07/24/2023	FERC & plan annual dam safety training #23-1088	767.50
GEI Consultants, Inc	07/24/2023	Matthews Dam Spillway Tiltmeter 23-0204	1,076.00
Total GEI Consultants, Inc:			44,333.00
<b>GHD</b>			
GHD	07/31/2023	CDP for Samoa Peninsula ROW Phase 1	341.86
GHD	07/31/2023	Samoa Peninsula Right-of-Way EIR	7,043.90
GHD	07/31/2023	Collector 2 Rehabilitation	12,685.96
GHD	07/31/2023	General Engineering - Eaton arc flash study	729.39
GHD	07/31/2023	General Engineering - Collector 2 undergrounding	97.25
GHD	07/31/2023	General Engineering	1,167.00
GHD	07/31/2023	General Engineering - TRF Generator	48.63
GHD	07/31/2023	OSHG Installation and Integration Design	5,353.40
GHD	07/31/2023	Cathodic Protection #24-0027	771.51
GHD	07/31/2023	Instream Flow Dedication Update 2023	582.75
Total GHD:			28,821.65
<b>Grainger</b>			
Grainger	07/28/2023	Mechanical expansion plug	34.93
Total Grainger:			34.93
<b>H.T. Harvey &amp; Associates</b>			
H.T. Harvey & Associates	07/24/2023	Mad River Instream Flow Dedication	2,059.00
Total H.T. Harvey & Associates:			2,059.00
<b>Health Equity Inc</b>			
Health Equity Inc	07/20/2023	District HSA Contributions- July 2023	5,562.18
Health Equity Inc	07/18/2023	HSA Admin Fee July 2023 - 6 employees	17.70
Health Equity Inc	07/18/2023	HSA Admin Fee July 2023 14 employees	41.30
Total Health Equity Inc:			5,621.18
<b>Hensel Hardware</b>			
Hensel Hardware	07/28/2023	Impact tool drivers	36.84
Total Hensel Hardware:			36.84
<b>Hensell Materials</b>			
Hensell Materials	07/28/2023	Electrical concrete slurry die	825.93
Total Hensell Materials:			825.93
<b>Humboldt County Treasurer</b>			
Humboldt County Treasurer	07/24/2023	Fund No 3876 Account 800870	45,611.43
Total Humboldt County Treasurer:			45,611.43
<b>Humboldt Redwood Company, LLC</b>			
Humboldt Redwood Company, LLC	07/13/2023	Mt Pierce Lease site	320.59

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 7/1/2023-7/31/2023Page: 5  
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Vendor Name	Date Paid	Description	Amount Paid
Total Humboldt Redwood Company, LLC:			320.59
<b>Industrial Electric</b>			
Industrial Electric	07/28/2023	Supplies for Essex main gate area	7.73
Total Industrial Electric:			7.73
<b>Johnson's Mobile Rentals LLC</b>			
Johnson's Mobile Rentals LLC	07/28/2023	Temporary fence rental for TRF Tesla Battery Project	232.74
Total Johnson's Mobile Rentals LLC:			232.74
<b>Josiah Hargadon</b>			
Josiah Hargadon	07/10/2023	Per Diem for Buckles-Smith Training in Sacramento	643.07
Total Josiah Hargadon:			643.07
<b>Kernen Construction</b>			
Kernen Construction	07/28/2023	Machine work on valve #3	130.00
Total Kernen Construction:			130.00
<b>Layne Christensen Company</b>			
Layne Christensen Company	07/06/2023	Collector 2 Rehab work - May 31 - June 26, 2023	295,416.75
Total Layne Christensen Company:			295,416.75
<b>Matthew Davis</b>			
Matthew Davis	07/24/2023	DI & TI Testing - Per Diem	557.56
Total Matthew Davis:			557.56
<b>Miller Farms Nursery</b>			
Miller Farms Nursery	07/28/2023	Vegetation Management Supplies	626.85
Miller Farms Nursery	07/28/2023	Weedeater repair parts	37.70
Total Miller Farms Nursery:			664.55
<b>Mission Linen</b>			
Mission Linen	07/24/2023	Uniform Rental	110.52
Mission Linen	07/24/2023	maintenance supplies	54.32
Mission Linen	07/24/2023	Uniform Rental	164.28
Mission Linen	07/24/2023	Uniform Rental	122.95
Mission Linen	07/24/2023	Uniform Rental	151.84
Mission Linen	07/24/2023	maintenance supplies	16.06
Mission Linen	07/24/2023	Uniform Rental	122.95
Total Mission Linen:			742.92
<b>Motion Industries, Inc</b>			
Motion Industries, Inc	07/28/2023	NSF approved thread compound for inventory	175.44
Total Motion Industries, Inc:			175.44
<b>Napa Auto Parts</b>			
Napa Auto Parts	07/28/2023	Washer Fluid	9.32

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 7/1/2023-7/31/2023Page: 6  
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Vendor Name	Date Paid	Description	Amount Paid
Napa Auto Parts	07/18/2023	District air compressor annual service	43.27
Total Napa Auto Parts:			52.59
<b>North Coast Laboratories</b>			
North Coast Laboratories	07/10/2023	lab tests - Humboldt Bay Retail	110.00
North Coast Laboratories	07/10/2023	lab tests - Fieldbrook-Glendale CSD	110.00
North Coast Laboratories	07/10/2023	lab tests - Fieldbrook-Glendale CSD	55.00
North Coast Laboratories	07/10/2023	lab tests - Humboldt Bay Retail	270.00
North Coast Laboratories	07/10/2023	lab tests - Humboldt Bay Retail	110.00
North Coast Laboratories	07/10/2023	lab tests - Fieldbrook-Glendale CSD	110.00
North Coast Laboratories	07/10/2023	lab tests - Fieldbrook-Glendale CSD	110.00
North Coast Laboratories	07/10/2023	lab tests - Humboldt Bay Retail	110.00
Total North Coast Laboratories:			985.00
<b>Northcoast Employer's Advisory Council</b>			
Northcoast Employer's Advisory Council	07/10/2023	Membership Fee FY 23/24	40.00
Total Northcoast Employer's Advisory Council:			40.00
<b>Northern California Safety Consortium</b>			
Northern California Safety Consortium	07/10/2023	monthly membership fee - July 2023	75.00
Total Northern California Safety Consortium:			75.00
<b>Occ. Health Service of Mad River</b>			
Occ. Health Service of Mad River	07/06/2023	Annual Hearing and Respirator Exam	201.25
Total Occ. Health Service of Mad River:			201.25
<b>Occu-Med, Ltd</b>			
Occu-Med, Ltd	07/24/2023	Pre-employment physicals - Summer Maint Workers x 2	1,019.90
Total Occu-Med, Ltd:			1,019.90
<b>O'Connor &amp; Company</b>			
O'Connor & Company	07/06/2023	Annual Financial Audit FY21/22	4,440.00
O'Connor & Company	07/10/2023	Annual Financial Audit FY21/22	7,310.00
O'Connor & Company	07/10/2023	Annual Financial Audit FY21/22	1,000.00
Total O'Connor & Company:			12,750.00
<b>Optimum/Sudden Link</b>			
Optimum/Sudden Link	07/06/2023	Essex internet	246.85
Optimum/Sudden Link	07/06/2023	Essex Phones	53.85
Optimum/Sudden Link	07/06/2023	Eureka Internet	208.45
Optimum/Sudden Link	07/06/2023	Fieldbrook-Glendale CSD Internet	323.61
Optimum/Sudden Link	07/06/2023	TRF Internet	29.93
Optimum/Sudden Link	07/06/2023	TRF Internet - Blue Lake SCADA Monitoring	59.84
Optimum/Sudden Link	07/06/2023	TRF Internet - Fieldbrook-Glendale CSD	59.84
Total Optimum/Sudden Link:			982.37
<b>Pacific Gas &amp; Electric Co.</b>			
Pacific Gas & Electric Co.	07/06/2023	Ruth Bunkhouse	55.43
Pacific Gas & Electric Co.	07/06/2023	Ruth HQ	119.52



Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
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Vendor Name	Date Paid	Description	Amount Paid
Pacific Gas & Electric Co.	07/18/2023	<i>Eureka Office</i>	397.96
Pacific Gas & Electric Co.	07/18/2023	<i>Jackson Ranch Rectifier</i>	18.01
Pacific Gas & Electric Co.	07/18/2023	<i>HWY 299 Rectifier</i>	41.84
Pacific Gas & Electric Co.	07/18/2023	<i>West End Road Rectifier</i>	172.81
Pacific Gas & Electric Co.	07/18/2023	<i>TRF</i>	4,877.87
Pacific Gas & Electric Co.	07/18/2023	<i>Ruth Hydro Valve Control</i>	26.73
Pacific Gas & Electric Co.	07/18/2023	<i>Ruth Hydro</i>	78.22
Pacific Gas & Electric Co.	07/18/2023	<i>Samoa Booster Pump Station</i>	1,019.25
Pacific Gas & Electric Co.	07/18/2023	<i>Samoa Dial Station</i>	9.53
<b>Total Pacific Gas &amp; Electric Co.:</b>			<b>6,817.17</b>
<b>Pacific Paper Co./Arcata Stationers</b>			
Pacific Paper Co./Arcata Stationers	07/18/2023	<i>Eureka office supplies</i>	328.25
Pacific Paper Co./Arcata Stationers	07/28/2023	<i>Eureka office supplies</i>	119.19
<b>Total Pacific Paper Co./Arcata Stationers:</b>			<b>447.44</b>
<b>Pape Machinery</b>			
Pape Machinery	07/28/2023	<i>Door replacement for JD 4052R</i>	384.12
<b>Total Pape Machinery:</b>			<b>384.12</b>
<b>PERS</b>			
PERS	07/11/2023	<i>Unfunded Accrued Liability Classic</i>	275,487.00
<b>Total PERS:</b>			<b>275,487.00</b>
<b>Pierson Building Center</b>			
Pierson Building Center	07/28/2023	<i>Eureka Office Supplies</i>	86.98
<b>Total Pierson Building Center:</b>			<b>86.98</b>
<b>Pitney Bowes Inc</b>			
Pitney Bowes Inc	07/10/2023	<i>Ink for Postage Meter</i>	99.73
Pitney Bowes Inc	07/18/2023	<i>Ink for Postage Meter</i>	112.29
<b>Total Pitney Bowes Inc:</b>			<b>212.02</b>
<b>Plas-Tanks Industries, Inc.</b>			
Plas-Tanks Industries, Inc.	07/28/2023	<i>Brine Tank for OSHG Project</i>	35,091.48
<b>Total Plas-Tanks Industries, Inc.:</b>			<b>35,091.48</b>
<b>PSI Water Technologies, Inc.</b>			
PSI Water Technologies, Inc.	07/28/2023	<i>Microclor On-Site Chlorine Factory</i>	95,334.00
<b>Total PSI Water Technologies, Inc.:</b>			<b>95,334.00</b>
<b>Purchase Power</b>			
Purchase Power	07/13/2023	<i>Postage Refill</i>	503.50
<b>Total Purchase Power:</b>			<b>503.50</b>
<b>Qualitrol Company LLC</b>			
Qualitrol Company LLC	07/28/2023	<i>Protective equipment for Ruth Transformer</i>	353.92
Qualitrol Company LLC	07/28/2023	<i>Protective equipment for Ruth Transformer</i>	65.61

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
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Vendor Name	Date Paid	Description	Amount Paid
Qualitrol Company LLC	07/28/2023	Protective equipment for Ruth Transformer	3,525.57
Qualitrol Company LLC	07/28/2023	Protective equipment for Ruth Transformer	1,463.89
Total Qualitrol Company LLC:			5,408.99
<b>Recology Arcata</b>			
Recology Arcata	07/06/2023	Essex Garbage/Recycling Service - June 2023	676.36
Total Recology Arcata:			676.36
<b>Recology Humboldt County</b>			
Recology Humboldt County	07/06/2023	Eureka office garbage/recycling service - June 2023	95.55
Total Recology Humboldt County:			95.55
<b>Southern Trinity Health Services</b>			
Southern Trinity Health Services	07/18/2023	FY23/24 Donation	1,000.00
Total Southern Trinity Health Services:			1,000.00
<b>Stewart Telecommunications</b>			
Stewart Telecommunications	07/28/2023	Phone cord	21.85
Total Stewart Telecommunications:			21.85
<b>Streamline</b>			
Streamline	07/10/2023	Website maintenance membership fee 7/6/23-7/6/24	5,400.00
Total Streamline:			5,400.00
<b>The Mill Yard</b>			
The Mill Yard	07/28/2023	Burke form tube for Essex security fencing posts	45.57
The Mill Yard	07/28/2023	Ready mix concrete	6.99
The Mill Yard	07/28/2023	Electrical Shop Offices Project	28.82
The Mill Yard	07/28/2023	Concrete for Essex front gate power supply	38.99
Total The Mill Yard:			120.37
<b>The Mitchell Law Firm, LLP</b>			
The Mitchell Law Firm, LLP	07/10/2023	Legal Services- May 2023	403.00
The Mitchell Law Firm, LLP	07/10/2023	Legal Services- June 2023	77.50
Total The Mitchell Law Firm, LLP:			480.50
<b>Thryv</b>			
Thryv	07/28/2023	white page listing	21.00
Total Thryv:			21.00
<b>Trinity County</b>			
Trinity County	07/05/2023	Old Ruth Power Restoration - handling fee	50.00
Total Trinity County:			50.00
<b>Trinity County General Services</b>			
Trinity County General Services	07/24/2023	Pickett Peak site lease	257.50

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
Report dates: 7/1/2023-7/31/2023Page: 9  
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Vendor Name	Date Paid	Description	Amount Paid
Total Trinity County General Services:			257.50
<b>Trinity County Solid Waste</b>			
Trinity County Solid Waste	07/24/2023	Ruth HQ dump fees	12.75
Trinity County Solid Waste	07/24/2023	Ruth Hydro dump fees	12.75
Trinity County Solid Waste	07/28/2023	Ruth HQ dump fees	23.18
Trinity County Solid Waste	07/28/2023	Ruth Hydro dump fees	23.18
Total Trinity County Solid Waste:			71.86
<b>U.S. Bank Corporate Payment System</b>			
U.S. Bank Corporate Payment System	07/13/2023	Employment Posting	155.00
U.S. Bank Corporate Payment System	07/13/2023	Employment Posting	60.00
U.S. Bank Corporate Payment System	07/13/2023	Employment Posting	40.00
U.S. Bank Corporate Payment System	07/13/2023	Hotel for CSDA conference	482.36
U.S. Bank Corporate Payment System	07/13/2023	Seismic Electrical Switch	301.69
U.S. Bank Corporate Payment System	07/13/2023	Coolant tank for JET band saw	59.40
U.S. Bank Corporate Payment System	07/13/2023	Essex Office Supplies	185.82
U.S. Bank Corporate Payment System	07/13/2023	Spendwise Monthly Charges - May 2023	79.70
U.S. Bank Corporate Payment System	07/13/2023	Toner	152.93
U.S. Bank Corporate Payment System	07/13/2023	Sample tests for EA Position Interviews	85.00
U.S. Bank Corporate Payment System	07/13/2023	Employment Posting	20.00
U.S. Bank Corporate Payment System	07/13/2023	Automated Call Credits	18.00
U.S. Bank Corporate Payment System	07/13/2023	Testing for EA Postion	120.00
U.S. Bank Corporate Payment System	07/13/2023	Wellness Grant Gift Cards	405.00
U.S. Bank Corporate Payment System	07/13/2023	Online course for D3 certification	299.99
U.S. Bank Corporate Payment System	07/13/2023	Food for Collector 2 pump crew	45.33
U.S. Bank Corporate Payment System	07/13/2023	Monitor Stand	101.27
U.S. Bank Corporate Payment System	07/13/2023	Microsoft Office 2016 Pro Digital License	15.49
Total U.S. Bank Corporate Payment System:			2,626.98
<b>Underground Service Alert of Northern CA</b>			
Underground Service Alert of Northern CA	07/28/2023	2023 Membership Fee	363.51
Underground Service Alert of Northern CA	07/28/2023	2023 Membership Fee	1,034.61
Underground Service Alert of Northern CA	07/28/2023	California State Fee for Regulatory Costs FY23/24	127.26
Underground Service Alert of Northern CA	07/28/2023	California Stae Fee for Regulatory Costs FY23/24	362.22
Total Underground Service Alert of Northern CA:			1,887.60
<b>United Rentals, Inc</b>			
United Rentals, Inc	07/28/2023	Saw rental for underground conduit	273.25
Total United Rentals, Inc:			273.25
<b>VALEO Networks</b>			
VALEO Networks	07/06/2023	Eureka office monthly computer maintenance	2,130.79
Total VALEO Networks:			2,130.79
<b>Valley Pacific Petroleum Serv. Inc</b>			
Valley Pacific Petroleum Serv. Inc	07/13/2023	Cardlock-Pumping & Control	536.95
Valley Pacific Petroleum Serv. Inc	07/13/2023	Cardlock-Water Quality	536.95
Valley Pacific Petroleum Serv. Inc	07/13/2023	Cardlock-Maintenance	536.95
Valley Pacific Petroleum Serv. Inc	07/13/2023	Cardlock-HB Retail	139.62
Valley Pacific Petroleum Serv. Inc	07/13/2023	Cardlock-FGCSD	397.34

Humboldt Bay Municipal Water District

--Monthly Expenses by Vendor Detail Report--  
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Vendor Name	Date Paid	Description	Amount Paid
Total Valley Pacific Petroleum Serv. Inc:			2,147.81
<b>Verizon Wireless</b>			
Verizon Wireless	07/10/2023	General Manager	38.27
Verizon Wireless	07/10/2023	Ruth Area	25.54
Verizon Wireless	07/10/2023	Humboldt Bay Retail	17.35
Verizon Wireless	07/10/2023	Fieldbrook Glendale CSD	49.37
Verizon Wireless	07/10/2023	Humboldt Bay IPAD	9.88
Verizon Wireless	07/10/2023	Fieldbrook Glendale CSD IPAD	28.13
Verizon Wireless	07/10/2023	Ruth Area	15.50
Verizon Wireless	07/10/2023	Ruth Hydro	15.49
Total Verizon Wireless:			199.53
<b>Watt's Cleaning Services</b>			
Watt's Cleaning Services	07/06/2023	Eureka office cleaning 6/7 & 6/21/23	278.00
Total Watt's Cleaning Services:			278.00
Grand Totals:			1,045,702.23

## HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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



	Month-to-Date	Year-to-Date
<b><i>Contract Services Billing</i></b>		
Administrative	1,194.64	1,194.64
Indirect/Overhead	649.53	649.53
Maintenance/Operations/Supplies	24,873.93	24,873.93
<b>Total FB-GCSD Billing</b>	<b>26,718.10</b>	<b>26,718.10</b>
<b><i>Contract Services Expenses</i></b>		
Employee Wages	9,617.77	9,617.77
Employee Benefits	5,021.33	5,021.33
Operations & Maintenance Expenses	397.34	397.34
General & Administrative Expenses	6,888.88	6,888.88
<b>Total FB-GCSD Expenses</b>	<b>21,925.32</b>	<b>21,925.32</b>
<b><i>NET Fieldbrook Contract Services</i></b>	<b>4,792.78</b>	<b>4,792.78</b>

# **OPERATIONS**

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

### **Upper Mad River, Ruth Lake, and Hydro Plant**

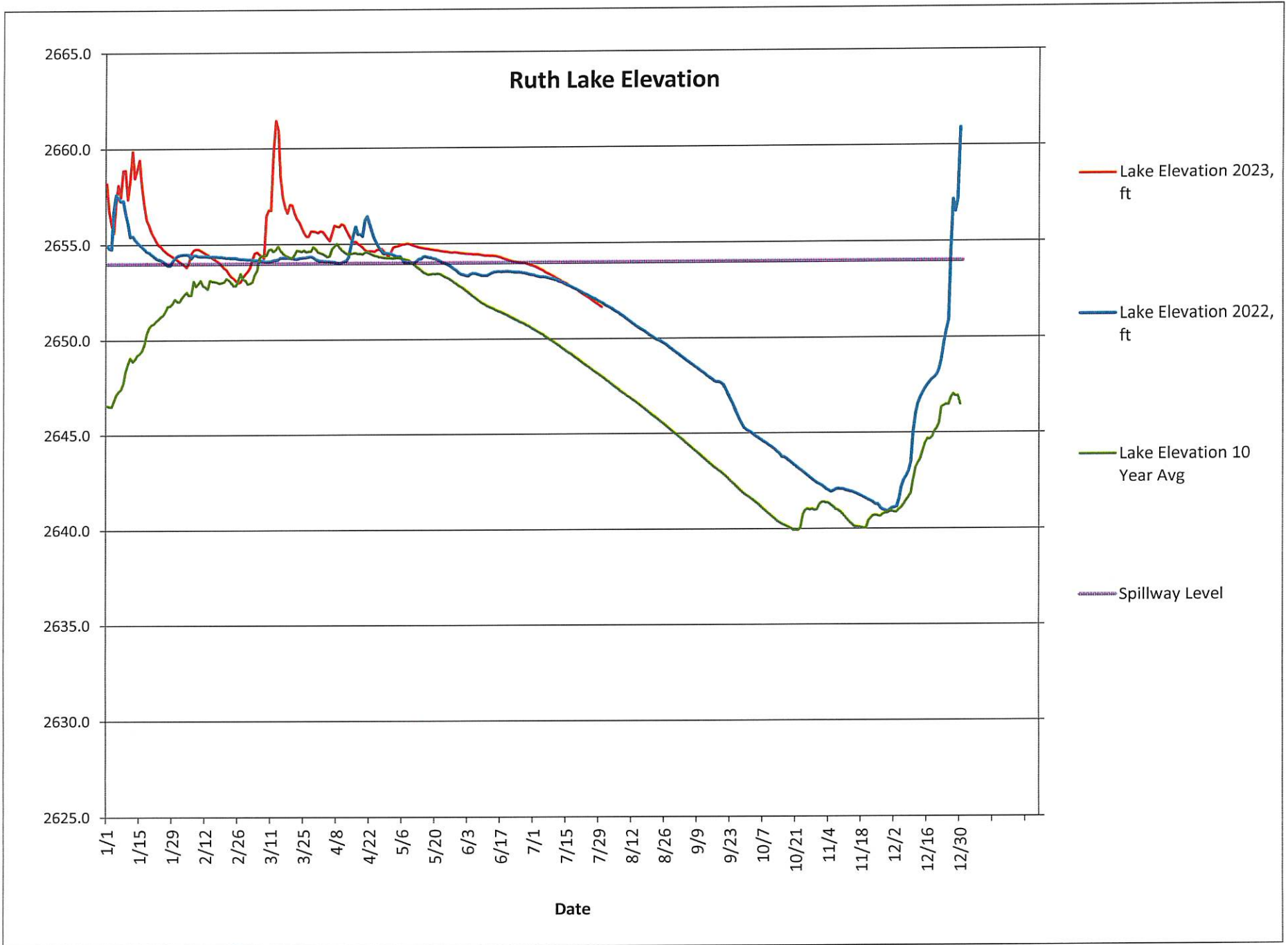
1. Flow at Mad River above Ruth Reservoir (Zenith Bridge) averaged 5 cfs with a high of 15 cfs on July 1<sup>st</sup> and a low of 0 cfs on July 30<sup>th</sup>
2. The conditions at Ruth Lake for July were as follows:  
The lake level on July 31<sup>st</sup> was 2651.64 feet which is:
  - 2.2 feet lower than June 30<sup>th</sup>, 2023
  - 0.22 feet lower than July 31<sup>st</sup>, 2022
  - 3.62 feet higher than the ten-year average
  - 2.36 feet below the spillway
3. Ruth Headquarters recorded 0 inches of rainfall for July
4. Ruth Hydro produced 0 KWh in July. 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 43 cfs with a high of 64 cfs on July 1<sup>st</sup>

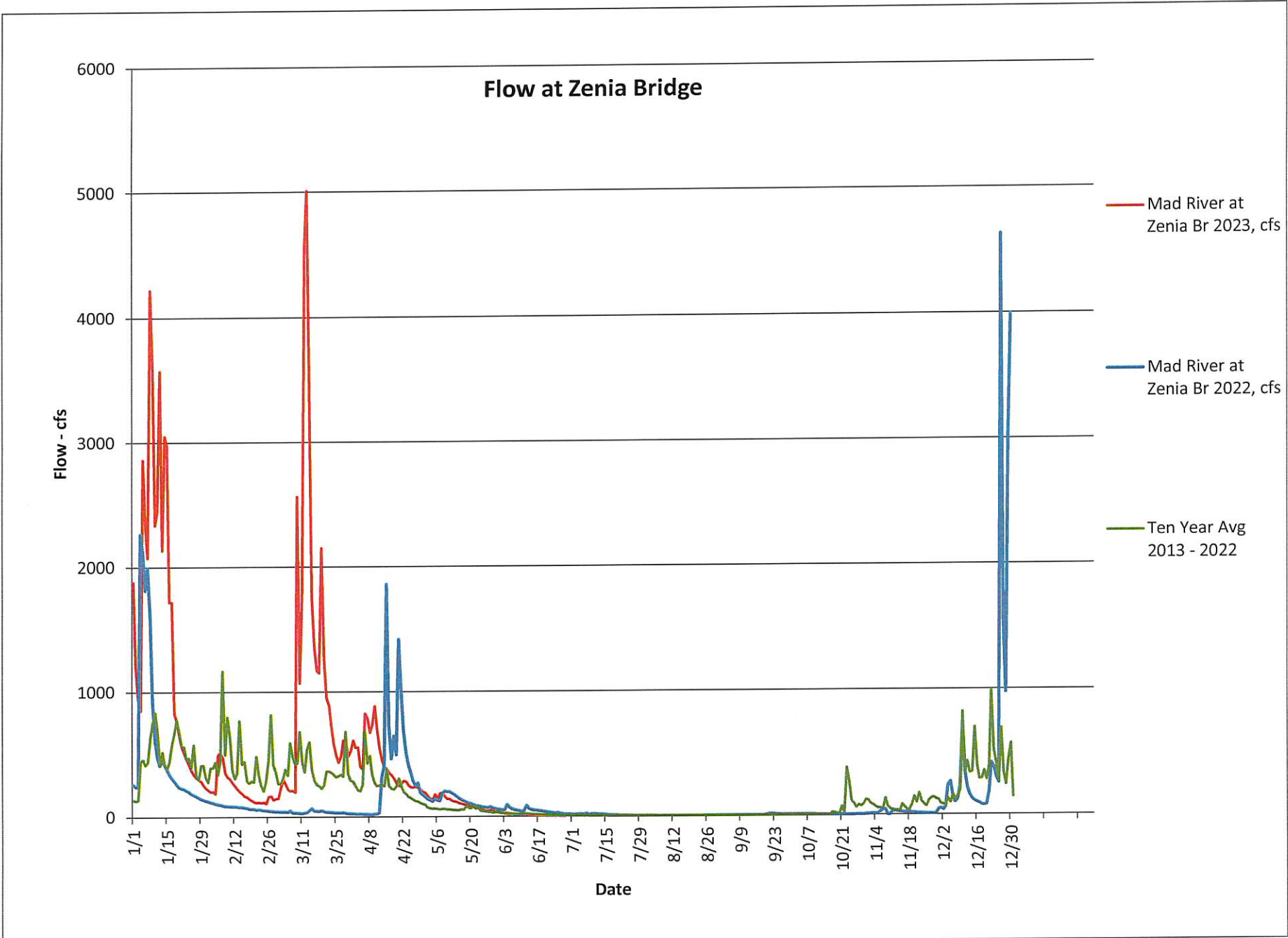
### **Lower Mad River, Winzler Control, and TRF**

6. The river at Winzler Control Center, for July, had an average flow of 74 cfs. The river flow was at a high of 110 cfs on July 1<sup>st</sup>
7. The domestic water conditions were as follows:
  - a. The domestic water turbidity average was 0.20 NTU, which meets Public Health Secondary Standards
  - b. As of July 31<sup>st</sup>, we pumped 275.315 MG at an average of 9.010 MGD
  - c. The maximum metered daily municipal use was 10.472 MG on July 19<sup>th</sup>
8. The TRF is offline for summer since June 12<sup>th</sup>

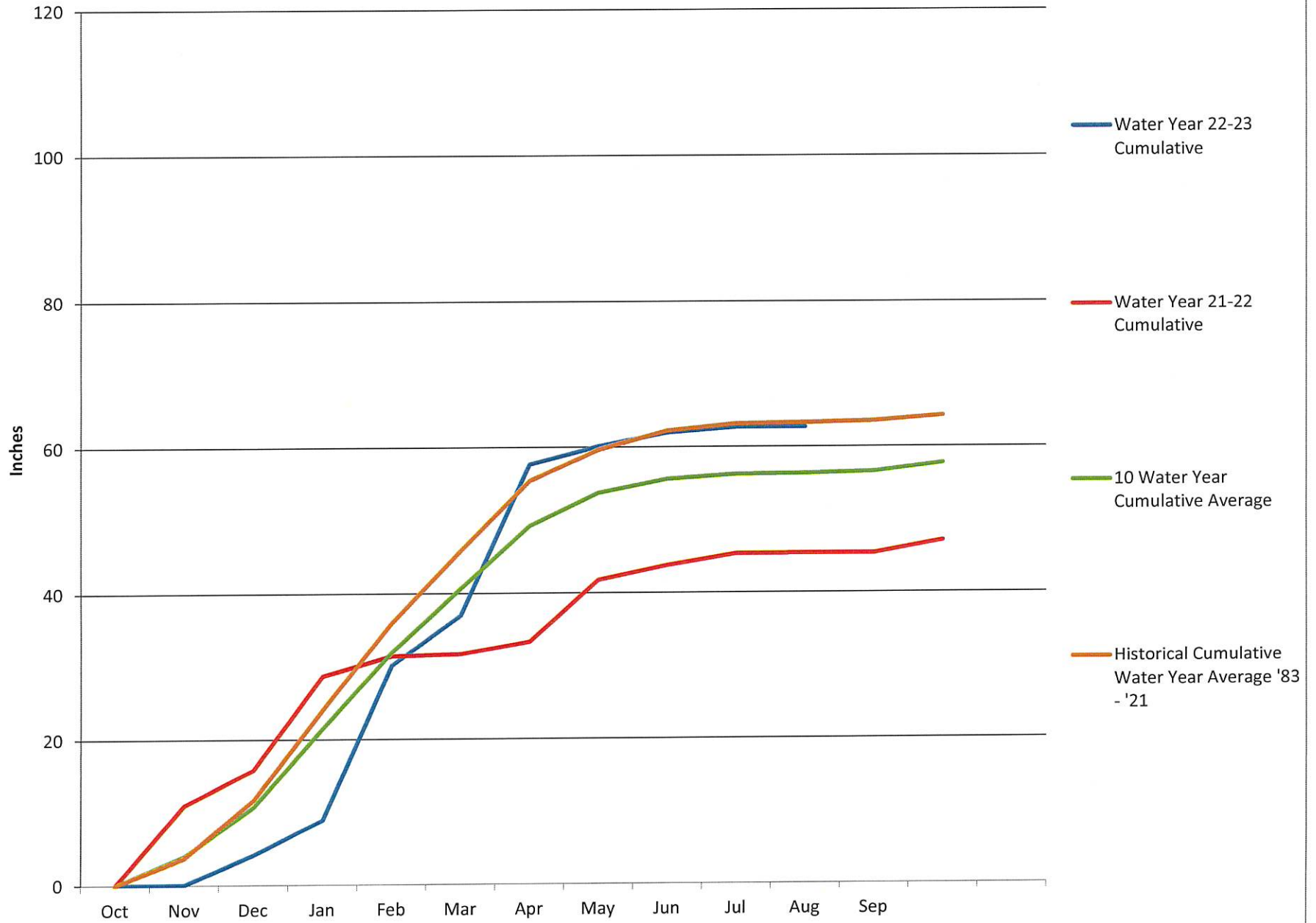
9. July 6<sup>th</sup> – Layne crew back after a week home break.
10. July 10<sup>th</sup> – JPIA at Essex for inspection.
11. July 11<sup>th</sup> – JPIA Defensive Driver classes at Main Office.
12. July 17<sup>th</sup> – Took delivery of most of the On-Site Hypochlorite Generation equipment.
13. July 18<sup>th</sup> – Advanced Security on-site installing a new standalone fire alarm panel.
14. July 19<sup>th</sup> – JPIA Sexual Harassment Prevention training.
15. July 20<sup>th</sup> – Ryan and I attended a webinar regarding NFPA 70B electrical code changes.
16. July 20<sup>th</sup> – 21<sup>st</sup> – Two of the maintenance staff went to Rockwell Automation training in Sacramento.
17. July 25<sup>th</sup>
  - a. Electrical staff install a new larger electrical service panel in Chlorine building.
  - b. Quarterly radio test with Trinity County.
18. July 25<sup>th</sup> & 26<sup>th</sup> – Spillway cleaning and inspection.
19. Current and Ongoing Projects
  - a. Vegetation management.
  - b. TRF off season maintenance and inspections – Cleaning wash water basins, chemical systems maintenance etc.
  - c. Collector 2 underground power and communications project - In progress.
  - d. Tesla battery bank projects
    - i. Essex project in progress, operational programming in process, waiting for PG&E PTO.
  - e. OSHG – Equipment procurement and planning in progress. Brine & Batch tanks ordered. Most of the equipment from PSI has arrived.
  - f. Working on Samoa Peninsula Communication issues as time allows.
  - g. Routine annual equipment maintenance and services.

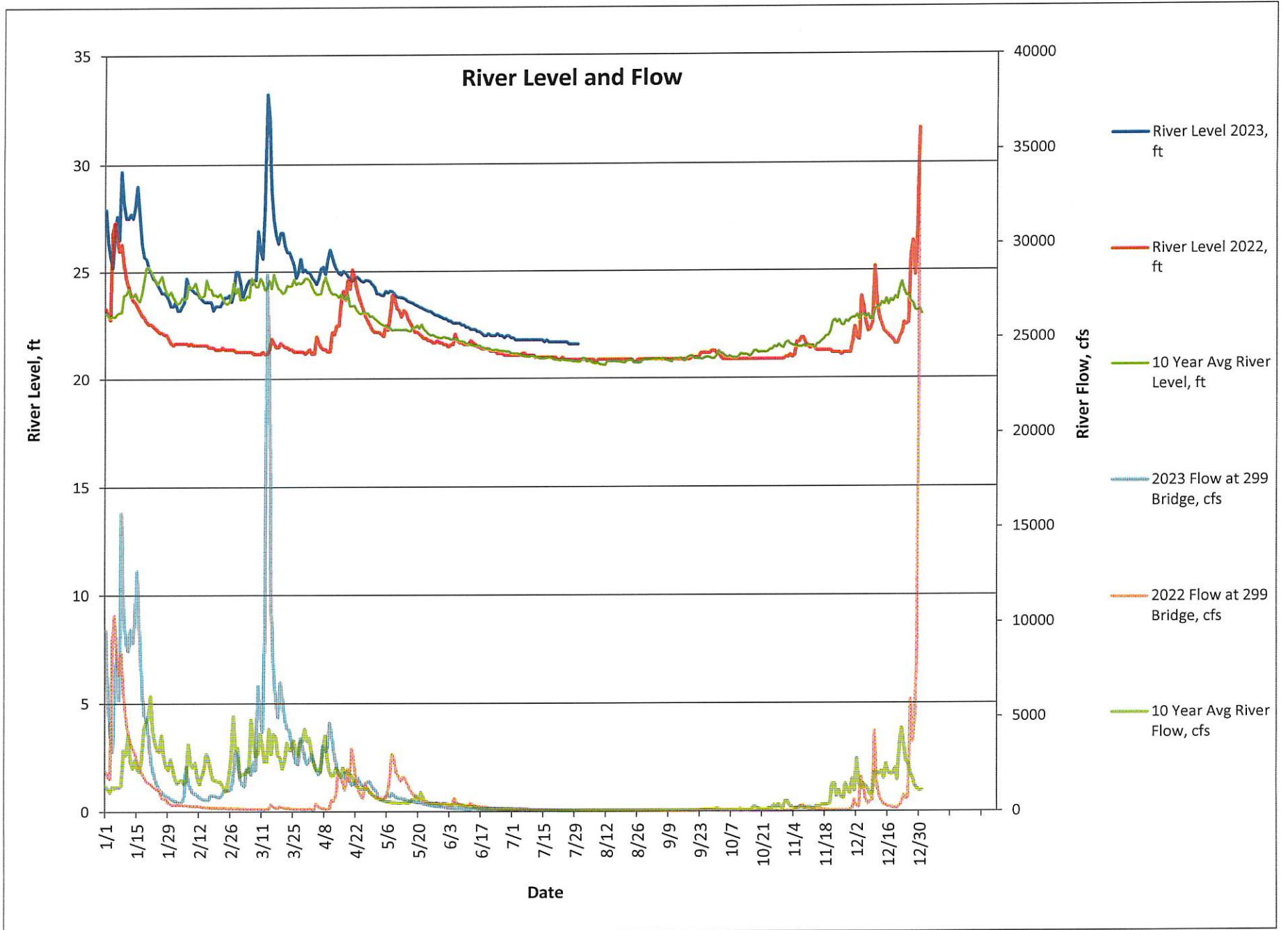




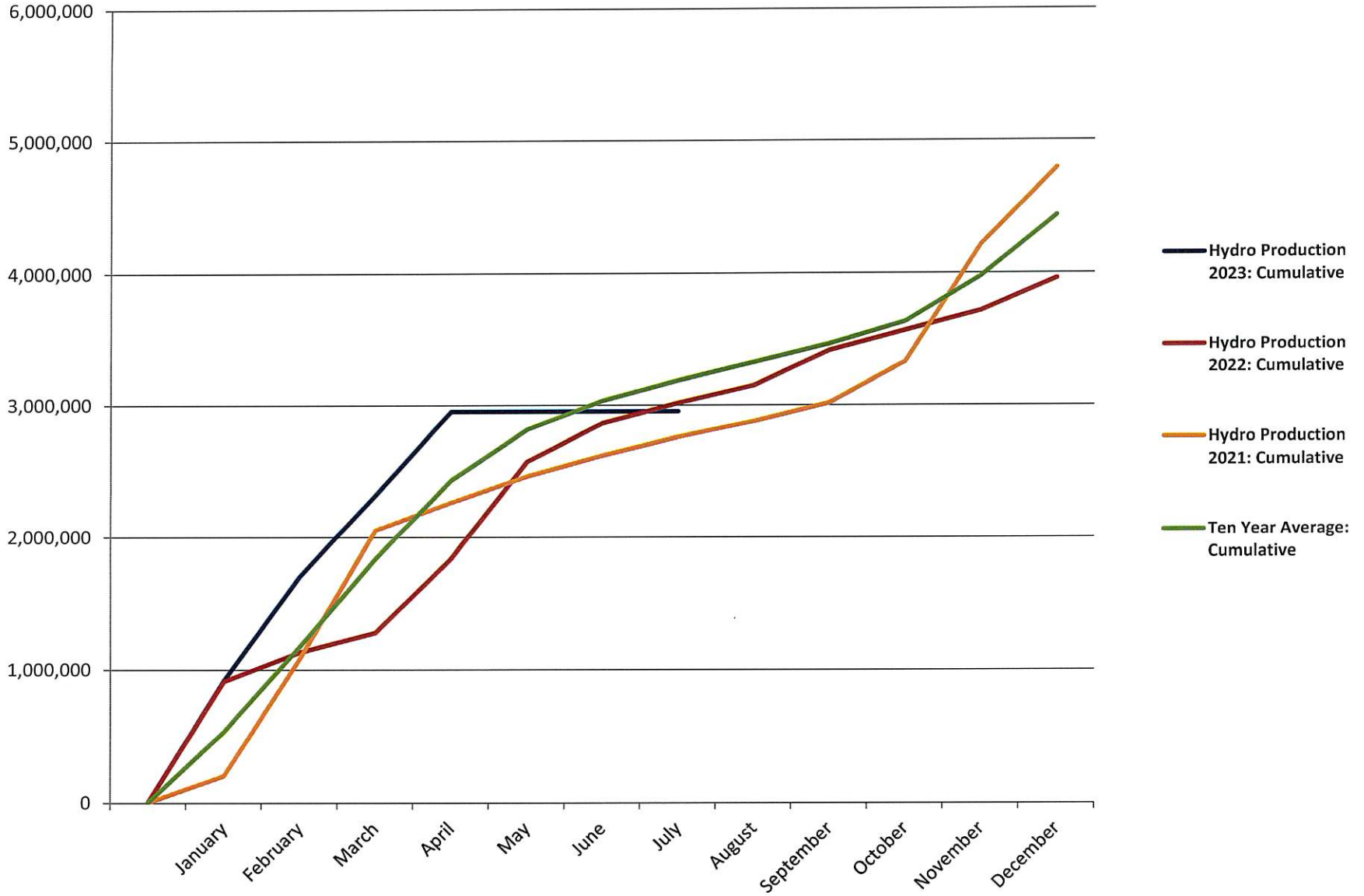


### Ruth Rainfall - Water Year 2022-2023

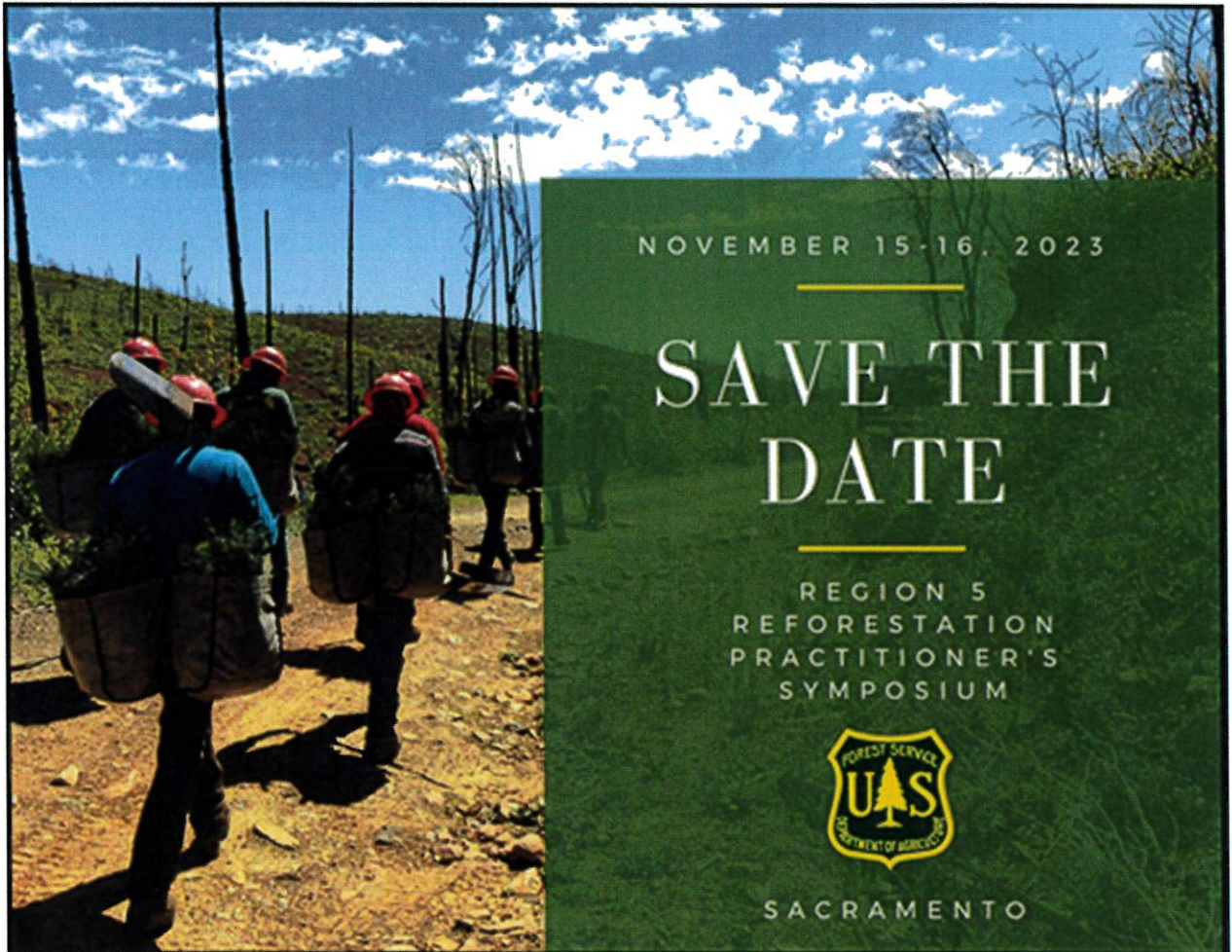




### Ruth Hydro Production: Cumulative kWh



# **MANAGEMENT**



The USDA Forest Service Pacific Southwest Region invites its silviculture practitioners and partners to a 2-day symposium to learn from the Regions' foremost experts about effective methods, exchange knowledge and case studies, hear from Regional leadership about the REPLANT act, and much more. Please save the date and plan to join this gathering!\*

\*required for Agency Silviculture employees, partners strongly encouraged to attend.

Headwaters Conference Call

July 14, 2023

1 pm – 2pm (PST)

Agenda:

- I. Introductions and Call to Order, *Willie Whittlesey*
- II. Local Updates, *Willie Whittlesey*
- III. State Update, *Kylie Wright*
- IV. Federal Update, *David Reynolds*
- V. Leave Behind Document, *David Reynolds*
- VI. Suggested Next Meeting: August 18 at 1pm (PT)

Attachments:

- Final Leave-Behind Document



**ACWA**

contessa@hbmwd.com

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**From:** ACWA Fall Conference & Expo <events@acwa.com>  
**Sent:** Monday, August 7, 2023 11:30 AM  
**To:** Contessa Dickson  
**Subject:** Fall Conference Registration Now Open!



[Click here to view it in your browser.](#)



### **Connect with California's Water Leaders in Indian Wells**

Planning is underway for ACWA's 2023 Fall Conference & Expo Nov. 28-30 in Indian Wells. Taking place in the beautiful Coachella Valley, ACWA's Fall Conference will draw together California water leaders from throughout the state and connect them with experts and decision makers within the water community.

**ACWA is excited to unveil new and improved features that will provide more accessibility, networking and value to attendees.**

- All meals will now be program-free opportunities to network with your peers, providing a more flexible schedule and more food options.
- We will be shining a brighter spotlight on our keynote speakers by featuring them on a Main Stage that is accessible to all attendees.
- New conference programming includes 30-minute sessions highlighting case studies, product demonstrations and other dynamic looks at how others in the industry are addressing today's challenges.



◦ NEWSROOM

# ACWA RELEASES NEW POLICY DOCUMENT ON HEADWATERS HEALTH

• BY ACWA STAFF JUL 26, 2023 WATER NEWS

A new policy document developed by ACWA encapsulates the association's advocacy and recommendations for improving headwaters health. "Recommendations for Resilient Headwaters" can be accessed for downloading and sharing by visiting the Resources page at [www.acwa.com](http://www.acwa.com).

Produced through ACWA's Headwaters Workgroup, the two-page document can be used in a variety of settings as an educational and advocacy tool, including outreach to elected officials, community leaders and audiences interested in learning more about the importance of headwaters health and why ACWA considers it a priority issue.

As the climate changes, severe wildfires are threatening the state's already constrained water resources. ACWA recognizes the importance of resilient headwaters as an unmatched source of clean, reliable water for people and ecosystems across the state. Improving the health of our headwaters can significantly benefit water quality, water supply, ecosystems, and habitat, as well as public safety and recreation, increase carbon sequestration and reduce harmful emissions from catastrophic wildfires, and reduce stress on water supplies during periods of drought.

In addition to background on the issue's importance, the graphically designed document outlines key recommendations for action at the federal and state level. The recommendations identify several opportunities, such as protecting and expanding on federal funding to increase the pace and scale of forest management, as well as creating stability and new opportunities in the marketplace for increased utilization of trees and biomass products.



JULY 2023



# RECOMMENDATIONS FOR RESILIENT HEADWATERS

The Association of California Water Agencies (ACWA) represents more than 460 public water agencies that collectively deliver approximately 90 percent of the water distributed for the public, agriculture, and businesses in California. Public water agencies play a vital role in managing California’s water resources, including our forests and headwaters. As the climate changes, severe wildfires are threatening our already constrained water resources. ACWA recognizes the importance of resilient headwaters as an unmatched source of clean, reliable water for people and ecosystems across the state.

## WHAT ARE HEADWATERS AND WHY ARE THEY IMPORTANT?

Headwaters are where the rivers, streams, and lakes begin, providing flow to surface and groundwater supplies across the state. Like most western states, two-thirds of California’s surface water supply originates in these mountainous and typically forested regions. The majority are located in public lands, including national forests, and span from the Cascade Range through the Sierra Nevada Range, down to the San Bernadino mountains and coastal ranges.

Improving the health of our headwaters can significantly improve water quality, water supply, ecosystems, and habitat, as well as public safety and recreation, increase carbon sequestration and reduce harmful emissions from catastrophic wildfire, and reduce stress on water supplies during periods of drought.

## THE PROBLEM

Decades of fire suppression in conjunction with a lack of investment in forest health projects, an emphasis on short-term management priorities, increased occurrence of pests and disease, weather extremes and a warming climate have contributed to the decline in headwaters forest resilience.

The challenges we collectively face to restore and improve our headwaters are great:

- Forest overcrowding promotes rapid wildfire growth, creating catastrophic megafires that cause long-term damage to the region’s ecology and infrastructure.
- Overstocked forests result in greater competition for water and increased evapotranspiration, reducing snowpack and water and increasing strain on water supplies during times of drought.
- Dense and homogenous forests are more susceptible to pest infestation that can cause widespread tree death.
- Fragile ecosystems in unhealthy headwaters are at greater risk because of poor water quality, reduced in-stream flows, increased sedimentation of rivers, and loss of habitat.



**Left:** The 2017 Thomas Fire spread to nearby Los Padres National Forest and damaged chaparral landscape, resulting in deadly mudslides in Southern California.



**Right:** Crews remove debris from water infrastructure after the 2022 Mosquito Fire in Northern California.

## HOW DO WE IMPROVE HEADWATERS HEALTH?

ACWA recommends Federal and State lawmakers and administrators adopt and implement several priority actions to improve forest health:

### FEDERAL RECOMMENDATIONS

#### Protect and Expand Investments

- Build on federal investments through annual appropriations, the Infrastructure Investment and Jobs Act and the Inflation Reduction Act supporting U.S. Forest Service and Department of Interior programs providing project funding to state and local governments, increasing the pace and scale of forest management, landscape-scale restoration activities, source water protection and post-fire water quality monitoring, and wildfire mitigation and recovery projects.
- Establish and expand federal programs for disaster mitigation to provide funding to water entities for infrastructure for fire suppression and to protect critical water infrastructure in the wildland-urban interface.

#### Improve Forest Management

- Improve the permitting process to expedite forest management projects with multiple benefits.
- Implement the "Confronting the Wildfire Crisis" strategy developed by the Forest Service to put years of research and planning into action.
- Continue efforts to use every available tool in forest management, including prescribed fire, mechanical thinning, project maintenance, rehabilitation of forest access roads, and encourage partnerships with tribes, nongovernmental organizations, state and local governments.

### STATE RECOMMENDATIONS

#### Improve Forest Management

- Implement the "Roadmap to a Million Acres" strategy developed by the California Wildfire and Forest Resilience Task Force.
- Create stability and new opportunities in the marketplace for increased utilization of trees and biomass products.
- Expand workforce training opportunities and programs statewide.

#### Secure Stable Funding for Headwaters Health

- Continue making State funding for watershed and forest improvement and post-fire restoration a priority.
- Make State funding available to local agencies for rapid post-fire recovery projects, including erosion control, soil, rock and tree removal, and revegetation.
- Make funding for fire response in headwaters communities part of forest health priorities.



The French Meadows Forest Restoration Project is a collaborative forest health project intended to reduce wildfire risk. The goals are to promote forest resilience to stressors such as wildfire, insect and disease outbreaks and climate change - protecting a major source of Placer County's and California's water supply, and helping restore habitat for fish and wildlife.

#### STAFF CONTACT INFORMATION

**David Reynolds**  
Director of Federal Relations  
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**Jay Tanner**  
Federal Relations Representative  
[jayt@acwa.com](mailto:jayt@acwa.com)

**Julia Hall**  
Legislative Relations Manager  
[juliah@acwa.com](mailto:juliah@acwa.com)

**Soren Nelson**  
State Relations Advocate  
[sorenn@acwa.com](mailto:sorenn@acwa.com)



August 1, 2023

Dear ACWA Members:

ACWA is thrilled to kick off the 11<sup>th</sup> annual Membership Appreciation Month this August. This special month is dedicated to celebrating each one of you — our valued members — for your support and dedication. Your involvement is the driving force behind ACWA's position as the leading voice for California water issues. We extend our heartfelt gratitude to all of you for being part of our ACWA family.

The time and knowledge you dedicate to ACWA is invaluable. With your active participation, we continue to influence critical state and federal legislative and regulatory policy affecting us all. ACWA has worked tirelessly alongside you this year advocating on water rights, infrastructure funding, permit streamlining, water use efficiency, water quality, groundwater management, and other critical areas. We have already seen remarkable success this year, and we remain committed to persistently advocating on your behalf.

ACWA members have exclusive access to member-only benefits. We encourage you to take full advantage of these benefits, which include important information and updates through our communication resources, such as *Outreach Alerts and Advisories*, toolkits, discounts on products and services, and the opportunity to partner with ACWA/JPIA for insurance coverage, to name a few. Additionally, your membership offers opportunities to network and gain knowledge through ACWA's biannual statewide conferences, ACWA's annual Washington DC conference, Legislative Symposium, regional events, webinars, and more. As a volunteer-driven organization, ACWA offers members the ability to serve on a region board or ACWA committees, task forces and/or workgroups, to provide guidance to the association on a wide variety of important issues in the water industry, as well as develop valuable leadership skills.

We look forward to celebrating you throughout the month at ACWA events and virtual meetings, including the Quarterly Committee Forum on August 30. Visit [www.acwa.com/events](http://www.acwa.com/events) to learn more and follow us on social media for membership appreciation acknowledgements throughout the month and to stay updated on the wide array of benefits and services available to you as a valued member.

Thank you for being a vital part of ACWA. We are grateful for your continued membership!

Pamela Tobin  
ACWA President

Cathy Green  
ACWA Vice President

MY ACWA

NEWSROOM

EVENTS



# ACWA UPDATE ON PRIORITY ISSUES

A high-level look at recent ACWA activity and initiatives.



## AUGUST 2023

### Water Rights Legislation

The State Legislative Committee and ACWA staff made the water rights bills a top priority this year and led a large coalition of more than 100 organizations, including the water community and agricultural, business, and labor interests in opposing AB 460 (Bauer-Kahan), AB 1337 (Wicks) and SB 389 (Allen). Thanks in part to the ACWA-led coalition, AB 460 and AB 1337 failed to advance out of the second house committees and are being held as two-year bills. As two-year bills, ACWA staff will continue to engage with the authors and coalition over the fall. SB 389 has been amended after extensive negotiations, and ACWA's State Legislative Committee voted last month to remove opposition. AB 460 would have granted the State Water Resources Control Board new and sweeping authority to issue interim relief orders against water diverters and users, and AB 1337 would have authorized the State Water Board to issue curtailment orders against all water right holders and during any water year type. As originally introduced, SB 389 would have made it easier for the State Water Board to investigate and invalidate any water right. ACWA staff and members of the coalition negotiated several amendments to the bill so that it now would only allow the State Water Board to request information from a water right holder and not enhance the State Water Board's enforcement authority. SB 389 passed out of the Assembly Water, Parks, and Wildlife Committee on July 11. More information is available in a July 24 Legislative Advisory at [acwa.com/notifications](http://acwa.com/notifications).

### STAFF CONTACT

**Kristopher Anderson**  
State Relations  
Advocate  
[krisa@acwa.com](mailto:krisa@acwa.com)

### Water Bond

ACWA continues to work proactively on a water (climate resilience) bond for a 2024 ballot. ACWA is coordinating regularly with key partners in this area. ACWA is focused on bond language and amounts for ACWA's -recommended categories. ACWA has been advocating with support-if-amended positions on the four separate bond proposals with the bulk of the advocacy being focused on Senator Allen's proposal, SB 867, which would provide for \$15.5 billion in funding for various water and natural resources issues, including recycled water, desalination, groundwater recharge, water storage, conveyance, dam safety, safe drinking water, PFAS remediation, water conservation, and several other critical water infrastructure categories. ACWA has been working closely with Senator Allen and his staff to help shape this bond proposal. ACWA has been a lead witness in SB 867 hearings, including during a recent Assembly Water, Parks, and Wildlife Committee. ACWA will continue to work with the broad range of stakeholders on the various bond proposals as the Legislative Session moves forward.

### STAFF CONTACT

**Adam Quiñonez**  
State Relations  
Director  
[adamq@acwa.com](mailto:adamq@acwa.com)

### Extended Funding Assistance for Arrearages

The California Department of Community Services and Development (CSD) has announced that the U.S. Department of Health and Human Services has permitted the extension of the Low Income Household Water Assistance Program (LIHWA) program through the end of March 31, 2024. CSD will immediately work with its local service providers (which work with customers) to extend the program through Dec. 31, 2023 and then evaluate further extension of the program. Additionally, HORNE (a contractor that works with CSD on this program) will work with water utilities to extend the direct payment agreements to align with the new program end date. ACWA has confirmed with CSD that the extension is available to both water utilities that have already participated in LIHWAP and systems that want to participate now.

### STAFF CONTACT

**Cindy Tuck**  
Deputy Executive  
Director  
[cindy@acwa.com](mailto:cindy@acwa.com)

### Chromium-6 MCL

The State Water Board recently released the Notice of Proposed Rulemaking for hexavalent chromium (chromium-6), proposing a maximum contaminant level (MCL) of 10 parts per billion (ppb). The State Water Board held a public hearing to discuss the proposed MCL on Aug. 2. ACWA provided oral comments and plans to submit written comments by the Aug. 18 deadline that stress technical and economic considerations that water agencies face in complying with an ambitious MCL. ACWA will also continue to advocate for a feasible compliance period for the proposed MCL that would allow water agencies to take the steps necessary to comply with it.

### STAFF CONTACT

**Nick Blair**  
State Relations  
Advocate  
[nickb@acwa.com](mailto:nickb@acwa.com)

## PFAS Updates

ACWA distributed a Federal Alert on Aug. 2 urging members to send letters to U.S. Senators Dianne Feinstein and Alex Padilla to build support for PFAS liability protections for water and wastewater agencies under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLA was enacted to achieve the remediation of contaminated sites and to hold parties that caused the contamination financially. ACWA strongly supports the polluter-pays principle. However, under current federal efforts, ACWA member agencies and their ratepayers will be facing a community-pays outcome that unfairly shifts the clean-up and liability costs onto ACWA member agencies and the public they serve. Without an explicit exemption from financial liability under CERCLA, water systems could be held financially liable for the cleanup of Superfund sites contaminated with PFAS. ACWA will be submitting letters to Senators Feinstein and Padilla urging them to protect water systems and the ratepayers they serve by supporting a tailored legislative exemption from PFAS liability. More information is available in the Alert at [acwa.com/notifications](https://acwa.com/notifications). **Contact:** Madeline Voitier]

The Office of Environmental Health and Hazard Assessment (OEHHA) recently released the Second Public Review Draft for the "Proposed Public Health Goals for Perfluorooctanoic Acid and Perfluorooctane Sulfonic Acid in Drinking Water," proposing a Public Health Goal (PHG) of 0.007 parts per trillion (ppt) for PFOA and 1.0 ppt for PFOS. The deadline to submit written comments to OEHHA is Aug. 14. ACWA plans to provide written comments that stress real world and technical considerations that water agencies face as PHGs are relied on by the State Water Board to develop Maximum Contaminant Levels. More information is available on the OEHHA website at [oehha.ca.gov](https://oehha.ca.gov). **Contact:** Nick Blair]

## STAFF CONTACT

**Madeline Voitier**  
Federal Relations  
Representative  
[madelinev@acwa.com](mailto:madelinev@acwa.com)

**Nick Blair**  
State Relations  
Advocate  
[nickb@acwa.com](mailto:nickb@acwa.com)

## Recommendations for Resilient Headwaters

A new policy document developed by ACWA encapsulates the association's advocacy and recommendations for improving headwaters health. ACWA's development of the "Recommendations for Resilient Headwaters" was guided by ACWA's Headwaters Workgroup and can be used in a variety of settings as an educational and advocacy tool, including outreach to elected officials, community leaders and audiences interested in learning more about the importance of headwaters health, and why ACWA considers it a priority issue. The recommendations identify several opportunities, such as protecting and expanding on federal funding to increasing the pace and scale of forest management, as well as creating stability and new opportunities in the marketplace for increased utilization of trees and biomass products. The two-page document is available to download at [acwa.com/resources](https://acwa.com/resources).

## STAFF CONTACT

**Jay Tanner**  
Federal Relations  
Specialist  
[jayt@acwa.com](mailto:jayt@acwa.com)

## ACWA Elections

The ballots for ACWA's Board officers' election for ACWA President and Vice President were distributed to authorized voters last month by Simply Voting. The deadline to submit the ballots is Sept. 15. In addition, the ballots for the region board elections were also distributed last month to member agencies and these ballots must also be submitted by Sept. 15. More information on both election processes, including information on candidates and the voting process, is available at [acwa.com/elections](https://acwa.com/elections).

## STAFF CONTACT

**BOARD OFFICER  
ELECTION:**  
**Donna Pagborn**  
Senior Clerk of the  
Board  
[donna@acwa.com](mailto:donna@acwa.com)

**REGION ELECTION:**  
Your Region Rep

## Upcoming Events - Visit [www.acwa.com/events](https://www.acwa.com/events) for more

- ACWA Region 1 Program and Tour - **August 11**
- ACWA's Quarterly Regulatory Committee Meetings - **August 30**
- ACWA Region 3 Live Webinar - **September 7**
- ACWA Fall Conference & Expo - **November 28 - 30**  
ACWA is excited to unveil new and improved features and more networking opportunities during the Fall Conference & Expo that will bring more value to attendees. The new features are based on attendee feedback and suggestions, as well as the latest trends in the conference industry. More information is available at [acwa.com/events](https://acwa.com/events).



# OFFICIAL REGION 1 Board Ballot

2024-2025 TERM



**Please return completed ballot  
by Sept. 15, 2023**

**E-mail:** [regionelections@acwa.com](mailto:regionelections@acwa.com)  
**Mail:** ACWA  
980 9th Street, Suite 1000  
Sacramento, CA 95814

## General Voting Instructions:

- 1 You may either vote for the slate recommended by the Region 1 Nominating Committee or vote for individual region board members. Please mark the appropriate box to indicate your decision.
- 2 Please complete your agency information. The authorized representative is determined by your agency in accordance with your agency's policies and procedures.

Submitted board candidate bios and headshots are available on [www.acwa.com/elections/2023-region-elections/](http://www.acwa.com/elections/2023-region-elections/).

1

### Nominating Committee's Recommended Slate

- I concur with the Region 1 Nominating Committee's recommended slate below.

#### CHAIR:

- **Elizabeth Salomone**, General Manager, Mendocino County Russian River Flood Control and Water Conservation Improvement District

#### VICE CHAIR:

- **Jennifer Burke**, Water Director, Santa Rosa Water

#### BOARD MEMBERS:

- **Tamara Alaniz**, General Manager, Brooktrails Township Community Services District
- **Dennis Mayo**, Board Director, McKinleyville Community Services District
- **David Rabbitt**, Director, Sonoma Water
- **J. Bruce Rupp**, Director, Humboldt Bay Municipal Water District

OR

### Individual Board Candidate Nominations

- I do not concur with the Region 1 Nominating Committee's recommended slate. I will vote for individual candidates below as indicated.

#### CANDIDATES FOR CHAIR: (CHOOSE ONE)

- Elizabeth Salomone**, General Manager, Mendocino County Russian River Flood Control and Water Conservation Improvement District

#### CANDIDATES FOR VICE CHAIR: (CHOOSE ONE)

- Jennifer Burke**, Water Director, Santa Rosa Water
- Elizabeth Salomone**, General Manager, Mendocino County Russian River Flood Control and Water Conservation Improvement District

#### CANDIDATES FOR BOARD MEMBERS: (MAX OF 5 CHOICES)

- Tamara Alaniz**, General Manager, Brooktrails Township Community Services District
- Dennis Mayo**, Board Director, McKinleyville Community Services District
- David Rabbitt**, Director, Sonoma Water
- J. Bruce Rupp**, Director, Humboldt Bay Municipal Water District
- Elizabeth Salomone**, General Manager, Mendocino County Russian River Flood Control & Water Conservation Improvement District

2

AGENCY NAME

AUTHORIZED REPRESENTATIVE

DATE

**CLEAR FORM**

**RCEA/RREDC**



Redwood Coast Energy Authority  
 633 3<sup>rd</sup> Street, Eureka, CA 95501  
 Phone: (707) 269-1700 Toll-Free (800) 931-7232 Fax: (707) 269-1777  
 E-mail: [info@redwoodenergy.org](mailto:info@redwoodenergy.org) Web: [www.redwoodenergy.org](http://www.redwoodenergy.org)

## **BOARD OF DIRECTORS REGULAR MEETING AGENDA**

**Jefferson Community Center Auditorium  
 1000 B Street, Eureka, CA 95501**

**July 27, 2023  
 Thursday, 3:30 p.m.**

*Director Myers will attend this meeting via teleconference from the Yurok Tribe's  
 Weitchpec Office, 23001 CA-96, Hoopa, CA, 95546.*

Any member of the public needing special accommodation to participate in this meeting or access the meeting materials should email [LTaketa@redwoodenergy.org](mailto: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](http://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](mailto: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 June 22, 2023, Board Meeting.
- 4.2 Approve Disbursements Report.
- 4.3 Accept Financial Reports.
- 4.4 Approve Rural REN Portfolio Manager Job Description.

**5. REMOVED FROM CONSENT CALENDAR ITEMS**

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

**COMMUNITY CHOICE ENERGY (CCE) BUSINESS (Confirm CCE Quorum)**

Items under this section of the agenda relate to CCE-specific business matters that fall under RCEA's CCE voting provisions, with only CCE-participating jurisdictions voting on these matters with weighted voting as established in the RCEA joint powers agreement.

**6. NEW CCE BUSINESS****6.1. Solicitation for CPUC-Mandated 2023 Mid-Term Grid Reliability Requirements**

1. Authorize staff to issue the 2023 Mid-Term Reliability Request for Offers.
2. Establish an ad hoc Board offer review committee and authorize it to take the following actions provided they are consistent with the RFO:
  - (i) Approve shortlisted offers.
  - (ii) Replace offers on the shortlist as needed, and
  - (iii) Approve continued negotiations with a shortlisted respondent in the event their offer materially changes.
3. Authorize staff to engage with the shortlisted respondents, including execution of exclusivity agreements, collection of shortlist deposits, and negotiation of contract terms, prior to full Board review and approval of resulting contracts.

## 7. OLD CCE BUSINESS

### 7.1. Energy Risk Management Quarterly Report

Accept Quarterly Energy Risk Management Report.

### 7.2. Annual Report on Humboldt Sawmill Company Memorandum of Understanding (Information only)

### 7.3. Humboldt's Electric Future Community Outreach Final Report

Accept final Humboldt's Electric Future report.

## END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS

## 8. OLD BUSINESS

### 8.1. RuralREN Statewide Rural and Hard-to-Reach Energy Efficiency Program Implementation

Approve contract amendment No. 5 with Frontier Energy, Inc. for near-term Regional Energy Network launch regulatory and administrative services, with a not-to-exceed amount of \$150,000 and authorize the Executive Director to execute all applicable documents.

## 9. STAFF REPORTS

### 9.1 Executive Director's Report

## 10. FUTURE AGENDA ITEMS

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

## 11. ADJOURNMENT

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### NEXT REGULAR MEETING

Thursday, August 24, 2023, 3:30 p.m.

Jefferson Community Center Auditorium, 1000 B Street, 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/83005478872?pwd=TXVsTnVQcW92UGdLVFUvSUtRaHgyUT09>

Meeting ID: 830 0547 8872 Passcode: 997989

One tap mobile

+16699006833,,83005478872#,,,,\*997989# US (San Jose)

**July 24, 2023 at 6:30 pm PT  
 AGENDA**

- I. Call to Order**
- II. Approval of Agenda**
  - A. Approval of Agenda for July 24, 2023
- III. Public Input for non-agenda items**
- IV. Consent Calendar**
  - A. Approval of Minutes of the Board of Directors Meeting: June 26, 2023
- V. Program – Matthew Marshall, Executive Director, Redwood Coast Energy Authority –  
 Statewide Rural Regional Energy Network**
- VI. New Business**
  - None
- VII. Old Business**
- VIII. Reports – No Action Required**
  - A. Executive Director's Report – Annual Review of RREDC Activities
  - B. Loan Portfolio Report
- IX. Closed Session**
  - A. Public Employee Evaluation - pursuant to CA Government Code Section 54957:  
 Title: Executive Director
- X. Member Reports**
- XI. Agenda/Program Requests for future Board of Directors Meetings**
- XII. 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.*