

PLUMAS EUREKA COMMUNITY SERVICES DISTRICT

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REGULAR BOARD MEETING AGENDA

January 13, 2021 9:00 AM

Join Zoom Meeting

<https://us02web.zoom.us/j/81777386398>

Dial

US : +1 669 900 9128 or +1 346 248 7799

ID

817 7738 6398

Board of Directors:

Chairperson Dave Stone

Vice Chairperson Melinda Bennet

Director Steve Janovick

Director Sherry Panick

Director Russ Bowring

***Members of the Public may address the Board on items of business immediately before or during the Board's consideration of the item after being recognized by the Board Chairman (limit on the time the public may address the Board is 3 minutes)**

Plumas Eureka CSD Regular Board Meeting
January 13, 2021

1. Call Meeting to Order

Chairperson Dave Stone

2. Selection of Board Officers

Discussion and Possible Action

a. **Chair**

b. **Vice Chair**

Plumas Eureka CSD Regular Board Meeting
January 13, 2021

3. Approval of December 9, 2020 Regular Board Meeting Minutes

Discussion and Possible Action

4. Filling the Vacancy on the Board

Discussion and Possible Action

Plumas Eureka CSD Regular Board Meeting
January 13, 2021

5. Selection of Standing Committees

- a. Budget and Finance Committee
- b. Personnel and Benefits Committee
- c. Administrative Committee
- d. Emergency Services Committee
- e. Water and Wastewater Services Committee

Discussion and Possible Action

Plumas Eureka CSD Regular Board Meeting
January 13, 2021

6. Fire Chief's Report Chief Steve Munsen

Discussion and Possible Action

Calls – Medicals & MVA's: 4, Fire: 3

We are keeping abreast of the latest precautions for the coronavirus and will continue to follow CDC and NorCal EMS guidelines and requirements.

Training – Skill testing review for Firefighters to re-certify for EMR.

Personnel Activity - Covid-19 vaccine shots have begun for department personnel.

Plumas Eureka CSD Regular Board Meeting

January 13, 2021

Fire Equipment

- 9122 & 9121 have completed their annual major service and DOT inspection.
- Engine Pump testing for ISO (Insurance Service Office) completed and passed.
- New maintenance schedule for engines has gone into effect. The new criteria are 20 engine hours or 50 miles, whichever comes first.

Other Activity_

- Continuing with community outreach program.
- People who have a burn permit are allowed to burn on burn days only. The Air Quality Board determines burn days, please call (530) 832-4528, then press 5 for our region and listen to the entire message to know when a burn day occurs.

Plumas Eureka CSD Regular Board Meeting January 13, 2021

7. Water System Compliance

Interim General Manager John Rowden.

Discussion and Possible Action

Arsenic Compliance Level.

- The most recent reported sample result from the Compliance point were taken on December 3, 2020 showed the arsenic levels at 7 ppb. The fourth quarter average was 9. The current Running Annual Average (RAA) is 9 ppb.
- The December 3, 2020 reportable result from Well 1B was 10 ppb; The 4th Quarter 2020 average was 8 ppb, the RAA is 8 ppb.
- The December 3. 2020 reportable result from Well 2 was 12; The 4th Quarter 2020 average was 14 ppb, the RAA is 13 ppb.

Plumas Eureka CSD Regular Board Meeting January 13, 2021

Iron and Manganese Compliance Levels

The most recent results of the tests of the Quarterly samples taken on October 6, 2020 for Iron were .280 mg/l at Well 1B and .450 mg/l at Well 2; for Manganese were .092 mg/l at Well 1B and .101 mg/l at Well 2. (The Secondary Standard for Iron is .300 mg/l. The Secondary Standard for Manganese is .05 mg/l.)

Remediation Project Development

The Board will be considering the decision about constructing the Water Treatment Plant at its Regular Meeting on January 13, 2021.

Plumas Eureka CSD Regular Board Meeting
January 13, 2021

8. Water Treatment Plant to Remove Arsenic.

Interim General Manager John Rowden.

Discussion and Possible Action

1. Regulations
2. History
3. Status and Costs
4. Decision

Regulation and Water Quality: Arsenic

- Effects of Arsenic: can cause [cancer](#) in the skin, lungs, bladder and kidney. It can also cause other skin changes such as thickening and [pigmentation](#)
- Increased risks of lung and bladder cancer and skin changes have been reported in people ingesting arsenic in drinking water at concentrations of 50 µg/litre, or even lower.

Regulation and Water Quality: Levels

- US EPA established standards adopted by California
- Past Level established in 1977: 50 ppb
- Current Level established in 2006 and adopted in California 2008: 10 ppb
- Range for PECSD wells 5 ppb- 22 ppb.
 - Well 2 exceed State and Federal Standards
 - Well 1B meets standards
- Between November and May Well 1B levels are <10 ppb
- Between June and October blended levels are >10ppb

Compliance Issues & Water System Standards

- Our 600+ connections define system as a Municipal Water System
- Require ability to meet Max Daily Demand with largest well offline
 - Summer Months establish Max Daily Demand
 - Well 2 is the most productive well
 - Well 1B has been designated the primary Well, but cannot meet max demand.
- Meet Primary Standards for As
 - Running Annual Average of quarterly averages
- Meet Secondary Standards for Iron and Manganese at all wells or receive Waiver

Plumas Eureka CSD Regular Board Meeting January 13, 2021

History

1. Compliance Order (2009) for Arsenic (As)
2. Search for New Wells (2009-2014)
3. Preliminary Engineering Report and Alternative Analysis included wells and tie-in with Graeagle. Treatment Recommended. (2013-2016)
4. Change of operations at wells variable drive (2015) and change of primary source well and blending patterns (2017)
5. Pilot Studies and PER Completed and approved by SWRCB (2017)

Plumas Eureka CSD Regular Board Meeting

January 13, 2021

History

6. SRF Planning Loan (2017)
7. Design Completed (no iron removal) (2018)
8. Rates raised to pay for financing planning and construction activities (2018)
9. Compliance Order for Arsenic lifted using alternative well operations (2019)
10. Compliance Order for Iron and Manganese secondary standards (2019): A Plan or Waiver
11. Waiver Granted October 2020
12. Planning Loan of \$350,000 Paid off (December 2020)
13. Water and wastewater committee review and recommendation

Status and Costs

- Find other water sources (\$190,000)
 - Test Wells: Evaluate Alternatives
- Preliminary Engineering Report: (\$207,700)
 - Alternatives: New Wells, Surface Water, Water Purchase, Water Treatment
 - Water Systems Needs
 - Initial Pilot Test
- Define Technology and Identify Site (\$140,000)
 - Feasibility Study: \$53,000
 - Pilot Tests (including lab tests): \$74,000
 - Surveys and Environmental Study: \$13,000

Status and Costs

- Secure Property (\$0)
- Engineering Design (\$240,000)
- Environmental Review Documentation (\$17,000)
- Financing and Other Costs (Depends on lender)
- Final Engineering and Bids
- Construction
- Operation
- Maintenance

Status-Current Design

- Chemical Contaminants:
 - Primary-Arsenic
 - Secondary-Iron, and Manganese
- Treatments:
 - Oxidation and Filtration: Adding chemicals that bond with Manganese to create larger clumps that can be filtered out and easier to remove arsenic
 - Adsorption: Running water over a media that chemically bonds with arsenic particles
 - *Colloidal Iron removal requires the additional introduction and removal of a strong acid*

Plumas Eureka CSD Regular Meeting
January 13, 2021

Decision...Why now?

- Vulnerable System—only Well 1B well meets As standards
- Aging System: Potential Failure of Well 1B or its aquifer
- Current Fee Structure anticipates costs of financing
- Construction Costs are increasing at 3% annually
- Customer pressure: high fees, waiver survey

Plumas Eureka CSD Regular Meeting
January 13, 2021

Options and Recommendation

- Do nothing until the system fails
- Employ conservation measures including non-potable irrigation to reduced demand
- Find another Source Well
- **Build the Treatment Plan**

Plumas Eureka CSD Regular Board
Meeting
January 13, 2021

9. WWTP 6 Repair or Replacement

Chief Wastewater Treatment Plant Operator Jamar
Tate

The Board will be briefed on the progress in determining alternatives and the selection process to the deteriorating condition of Waste Treatment Plant 6.

Discussion and Possible Action



Plumas Eureka CSD Regular Board Meeting
January 13, 2021

10. Facilities Operator Policy

Interim General Manager John Rowden

Discussion and Possible Action

1. The Facilities Operator is the first level water and wastewater operator for the District.
2. Focus on professional development and credentials
3. Laborer + at least one water or wastewater certification
4. Operator in Training for wastewater
5. Five ranges leading to System Operator

Plumas Eureka CSD Regular Board Meeting January 13, 2021

11. Committee Reports

Discussion and Possible Action

- a. Administrative Services
- b. Budget and Finance
- c. Personnel and Benefits
- d. Water and Wastewater Services
- e. Safety and Emergency Services

Plumas Eureka CSD Regular Board Meeting
January 13,2021

12. General Manager's Report

Discussion and Possible Action

a. Finance

Interim General Manager John Rowden

- i. December Financial Reports
 - O&M Budget Target: **50%**
 - Water: **52%**
 - Wastewater: **47%**
 - Fire: **52%**

- ii. FY 2019-20 Audit

Plumas Eureka CSD Regular Board Meeting January 13, 2021

12 b. Administration

Administrative Manager Jillian Cole

- i. Status of invoices and liens
- ii. Status of Administrative Improvements Project

Plumas Eureka CSD Regular Board Meeting January 13, 2021

12c Operations –

Water

- **Flow-** Well 1B: 1,472,800 gallons Well 2: Did not run. Daily Avg: 47,509 gallons
- **Well 2 to Tank Communication:** The operators are still experiencing intermittent communication failures between Well 2 and the water tanks.

Wastewater

- **Flow- WWTP 6:** 191,113 gallons **WWTP 7:** 916,515 gallons **Total:** 1,107,628
- **WWTP 7 Blower:** Drive belts on blower #1 we found broken. Operators switched to blower #2, replaced the belts on blower #1 and returned it to service.

Plumas Eureka CSD Regular Board Meeting

January 13, 2021

12c. Operations- Wastewater (cont)

- **Air Compressor:** Air compressor at WWTP 7 had a failure with the pressure switch. Operators removed the compressor and installed a backup compressor. Operators have ordered parts and repaired the compressor.
- **Spill @ WWTP 6:** At approximately 10:30 am on Saturday December 26th while doing the rounds, operator Prince noticed water coming out of one of the manholes on West Ponderosa. Plumas Sanitation was called immediately to have them pump out the manhole. The General Manager was notified to inform him of the situation. The operator had previously wired in a backup in the new manhole that was provided by the contractor doing the lift station upgrades. It was found that the pump was not operating due to the control float getting hung up. The float was freed up and the pump began to run, stopping the overflow within 5 minutes. Plumas Sanitation showed up about 15 minutes later and pumped out the manhole. Once the manhole was pumped down, the operator had them push the suction hose down the collection line as well as dumping their truck back through that line to clear it. The operator then chlorinated the area to disinfect the spill site. The General Manager was notified of the amount of the spill for reporting purposes to the state; it was estimated the spill was 200 gallons.

Plumas Eureka CSD Regular Board Meeting

January 13, 2021

12c. Miscellaneous

- **Toilet in Building:** Upon arrival in the morning, operators noticed that the toilet in their side of the building had a leak. After investigating, it was found to have a crack in the tank. A new toilet was purchased and installed.

Plumas Eureka CSD Regula Board Meeting

January 13, 2021

13. Written Correspondence to the Board

Discussion and Possible Action

Dede Barnhart Wed, Jan 6, 2021 at 7:40 AM

To: Jillian Cole , Dave Stone , "russ.pecsd@gmail.com" , John Rowden , Steve , Sherry Panick

Hi Jillian and PECSD Board Members,

It was with dismay that we received, for the first time ever, our PECSD bill via email that had no subject line and no message in the body of the email. (See screen shot below). The only thing in the body of of the email was the attachment to click on. As you know, phishing and email scams are rampant and this email looks exactly like a phishing email with the threat of compromising our computer system and email account. We felt we were taking a risk by opening it up. We urge the PECSD do a better job of delivering secure bills to customers, both digitally and via mail. An email bill should include a subject line and the body of the email should include a specific, identifying message that indicates the attachment is a bill from the PECSD. Even better would be a customer "log in" to the account to pay or print the bill.

Mailed bills should not be sent in a post card format, because a small printed postcard is easily lost or mistaken for junk mail.

It is 2021. Surely the CSD can do a better, more secure job of billing it's customers.

Thank you, Dede and Fred Barnhart

Plumas Eureka CSD Regula Board Meeting January 13, 2021

todd solomon Sun, Jan 3, 2021 at 11:03 AM

To: John Rowden , jillian.pecsd@gmail.com, melinda.pecsd@gmail.com, dave.pecsd@gmail.com, steve.pecsd@gmail.com, sherry.pecsd@gmail.com, gardengecko@hotmail.com

Hello, we have a house on Sugar Pine Drive. We recently (1 week ago) remodeled 2 bathrooms and installed all new fixtures and sinks, toilets etc. Both new sinks and toilets have stained with a weird almost rough brown build up where the water comes out of the faucet. Ruined new fixtures in one week of use. Cost \$1900!! We have a paper element filter coming into the house, but obviously the water quality being supplied is terrible. We voted to approve the treatment plant to remove manganese and iron, but unfortunately short sighted occasional home owners voted this down. Sadly. The word is out that the water in Plumas Pines is bad, and we now witnessed just how bad it is.

Todd and Kathleen Solomon 203 and 205 Sugar Pine Drive

Plumas Eureka CSD Regula Board Meeting

January 13, 2021

14. Public Comment

The public and/or the Board of Directors may address the Board on items within the District's subject matter jurisdiction that are on the agenda, the public and/or the Board of Directors may also address items not included on the agenda. The Board cannot comment or take actions on non-agenda items but may place the items on future agenda(s) for discussion and/or action. Strict limit on the time the public may address the Board is three (3) minutes per speaker.

Discussion

15. Future Agenda Items Interim General Manager John Rowden

Discussion and Possible Action

Plumas Eureka CSD Regula Board Meeting

January 13, 2021

16. Adjournment Chairperson Dave Stone

ADA Compliance: This Agenda shall be made available upon request in alternative formats to persons with disability, as required by the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132) and the Ralph M. Brown Act (Cal. Govt. Code Sec. 54954.2). Persons requesting a disability-related modification or accommodation should contact Interim General Manager, John Rowden, at (530) 836-1953 during regular business hours, at least 24 hours prior to the time of the meeting