



Howell Mountain Mutual Water Company

Howell Mountain Mutual Water Company Board Meeting Minutes

Wednesday, October 27, 2021

Located at the HMMWCO Office – 1100 Friesen Drive, Angwin, CA

Call to Order: 6:34 pm

Frank Dotzler

- Board Members Present: Frank Dotzler, Dave Wesner, Nikki Callnan, Maurice Helmer, Craig Cazet
- Board Members Absent: Craig Becker, Jesse Clifton
- Employees Present: Tanner Hiers, Shannon Damonte
- Community Members Present: None

Approval of Agenda:

All Board Members

- Maurice moved to approve the Agenda; Craig Cazet second - 5 ayes

Approval September 29, 2021 Minutes:

- Craig Cazet moved to approve the September, 2021 Minutes; Dave second – 5 ayes
** Approved with change on page two, TTHM's – sentence 4.**

Public Comments: NONE

September 2021 Financial Reports:

Shannon Damonte

- Financial Reports were provided. Income was under projected budget by \$11,078 for the month and over \$24,436 for the year. General and Admin expenses were under projected budget by \$805 for the month and under \$1,476 for the year. Operating expenses were over projected budget by \$418 for the month and under \$38,437 for the year.
- Transferred \$35,000 to savings account on 10/01/21 – FEMA Funds.
Transferred \$30,000 to savings account on 10/12/21
(\$100,000 has been added to the savings account since January 1st 2021.)

Approval of the September 2021 Financial Reports:

- Maurice moved to approve the September Financial Report; Dave second – 5 ayes

Customer Communications: Kellie Anderson Re: Goats

Shannon Damonte

- Kellie Anderson brought Charlotte Williams here, who has goats@sonic.net. They do wildfire fuel abatement. She thought HMMCO might be interested. There was some discussion regarding having goats in the watershed. We have been using the Konocti Crews for this purpose. They are very cost effective and efficient for what we need.

Report on Operations/TTHM Issue:

Tanner Hiers

- **TTHM's:** The only solutions are to remove the organics or treat after the TTHM's are formed.

Our results after the trial with a new coagulant were not very successful. Guy Schott had better results with the addition of a coagulant aid PAC (Powder Activated Carbon) when he did some jar tests with samples we provided him.

As the TTHM's are volatile, the PAX mixer and aerator combined with the ventilation system will cause them to leave the tank. This is not the cheapest system but the best. The quote from PSI Water Technologies was \$103,000. This is not including construction costs. Tanner estimates that the construction will be between \$30,000-\$32,000 and will take about 3 days. The company does offer insurance to guarantee the results of percentage of TTHM removal. Their analysis was 80% removal and they verbally quoted Tanner at 60-65% removal. There are many case studies if anyone is interested in reviewing them. St. Helena City has also hired them to install one in their system. There was a question of annual operating and maintenance costs. Tanner believes there is minimal maintenance. There is a filter on the powervent which does have an alarm when clogged. Tanner will look further into the maintenance of the system.

A plus to this system is that the longer the detention time -the greater the removal of TTHM's.

Total Organic Carbon (TOC) has been going up the last 3-4 years. Dave inquired if it would be possible to direct more water to one lake instead of it spread out during the drought - would it help with TOC's and the concentration of organics? Tanner thought that it would take about a year of data to know for sure, but his thoughts were that it wouldn't be healthy to drain any of the lakes completely.

As part of the non-compliance violation from the state for going over the MCL on TTHM's, we had to do a TTHM "Corrective Action Plan" including a timeline which Tanner provided to the Board.

- November 1, 2021 - a quote for the PAC Powervent and Aeration will be completed. We are still needing to get a quote from the contractor. The PAX people and the contractor will be meeting here in the next week. Tanner will also be doing a cost analysis for the CTC coagulant/PAC (powder activated carbon).
- December 1, 2021 - A decision regarding the TTHM removal will be made by Tanner and the Board. The decision on which TTHM reduction solution to use will be based on cost effectiveness and longevity of results.
- January 1, 2022 - All equipment installations needed for any of the proposed TTHM reduction solutions proposed WILL BE SCHEDULED.
- February 1, 2022 -All funding options will be decided upon and secured for whichever of the TTHM reduction options HMMWC decides upon.
- March 1, 2022 - TTHM reduction solution adopted, installed and fully operational.
- **Reservoir Capacity:** After the recent rainfall the lakes are at 46% capacity. Before this recent rainfall we were at 29%. We logged 15.4 inches this month. This raw water storage capacity does not include Cooksley Lake which is just about full. We need to talk to the engineer about the capacity for Cooksley and work on the spreadsheet to account for this storage capacity. There was great improvement in all of the lakes and no obvious damage in the watershed.

- **Measure A:** We spoke with Chris Silke and it is possible we can re-route the remaining \$98k of funds allocated to HMMWC to deal with the TTHM problem. He is familiar with the challenges of TTHM removal and with the PAX system. He agreed that the funds would be better spent on this and would do what he could to get a new application approved.
- **Burgess:** We need to do a will-serve letter for Burgess. At what % of raw water storage capacity do we want to agree to hook them up at? The Board agreed that 75% would be the capacity that we could install the meter and provide them with water. Tanner spoke with SH Hosp and they used to have an agreement with them for 400,000 gallons a month which has been changed to 150,000 a month. We should plan on providing them 400,000 gallons a month.
- **Unaccounted Losses:** Tanner tried to figure these figures out with SCADA data but it proved to be inaccurate. It was noted that the Board realizes that this has been an issue for years. Our current meters are not even worth calibrating. Our starting point should be to get a new Mag Meter for production. Darrin from Cal Rural has recommendations. There are different brands, types and manufacturers. They run between \$15-18K.
 - *Dave made a motion to approve the purchase and installation of a new production Mag Meter not to exceed \$18,000 - Maurice Second - all were in favor.*
- **Drought:** At this point, we will not be ending the moratorium or tier rate any time soon. For individuals (residential) the moratorium will be lifted when we reach 65% raw water storage.

Confirm Future Meetings: Next Meetings - Wednesday, November 17, 2021, 6:30 pm
Wednesday, December 15, 2021, 6:30 pm

Respectfully submitted by: Shannon Damonte