

**Thunderbird Water & Sanitation District
Board of Directors Monthly Meeting Minutes
February 13, 2020**

Call to Order:

7:08 P.M.

TWSD Board Members Present:

Larry Morris, Barry Gager, Gary Cammarata and Duff Comstock (Bruce Boydston absent)

Other TWSD Present:

Edd Berchem (TWSD accounting services)

Resident Present:

None

Guest Present:

Scott Thomas CWP (Certified Water Professional)

Scott Thomas:

The TWSD Board has been concerned with indications of water loss in the District's fifty-year-old water system. The well meters always show 30% or higher water output volume than the water input sum of all individual home meters. Even when the twice a year fire hydrant flushing and well #3 initial pumping scouring are considered, the metering discrepancy is still very high.

The Board is a member of the Colorado Rural Water Association (CRWA). The Board requested Scott Thomas (CRWA - Water Circuit Rider) to advise the Board on methods of determining the locations and severity of system water losses.

Scott indicates two areas need to be addressed, meter verification and leak detection

Meter Verification - Older meters will show fewer gallons used as they get older. However, TWSD has replaced about 33% of household meters and will replace all meters in the near future. It doesn't appear that the old meters are a major contributor to the water meter (well meters vs household meters) differences.

Leak Detection – Scott believes the prime concern for TWSD’s water loss should be leaks and the **most frequent location of leaks is where the service line to the residence connects to the main line in the street.**

Scott indicates that CRWA can help TWSD with locating leaks in the service line. Scott says that he or Peter would come out and do the entire house to house tests. He indicates they have done whole neighborhoods (ref 1hr 16min) and says they would be happy to do it; this is part of what USDA pays them to do. CRWA has an auditory device with a microphone and a magnet and they will come out and go with us house to house. Scott estimates that if Thunderbird wanted to purchase a similar device that it might cost around \$5,000. For 177 households this process would take 2 to 3 days. This process is technical and precise. Minor leaks can be distinguished from major leaks so priorities can be established. Thunderbird would need to present a plan and map for going house to house. The plan and agreed upon dates would be presented to Scott Thomas. When testing the service line, if you hear a pertinent noise you must shut off the valve at the meter to determine which side of the meter the noise (leak) is coming from.

There are outside companies that do this leak detection but they don’t do it as well. They do not go house to house and they do charge a high fee.

The **secondary source of leaks is the water mains** and this is addressed by using the same auditory device and going from fire hydrant to fire hydrant. If this process is determined to be needed Scott or Peter would also be happy to operate the auditory device.

Minutes:

The DRAFT Board minutes as presented for the 1-9-2020 monthly Board of Directors meeting was approved by the Board (4-0).

Financial:

Accounts payable was reviewed by the Board. Independent Bank checks dated 2-13-2020 (# 9072 - #9089) were signed. All check payments were **unanimously approved** for issue (4-0) by the Board. Subject to possible adjustment for PCERA and Sequoyah billing.

Checks Printed Independent Bank and issued (2/13/2020) for billings were #9072 through #9089. Beginning check #9072 reconciles to check #9071 issued on 1/9/2020.

Register Independent Bank - Cash Reserve Report – Reconciliation – The beginning cash balance (2/13/2020 report) does reconcile to the ending cash balance from the prior monthly Board meeting (1/9/2020 report).

Register (Chase Bank) - Cash Reserve Report – Reconciliation. The 1-31-2020 Report cash balances were reconciled to the 12-31-2019 Report cash balances.

Register (UBS) - Cash Reserve Report – Reconciliation The 1-31-2020 Report cash balances were reconciled to the 12-31-2019 Report cash balances.

TWSD Financial Statements for January 1 – January 31, 2020.

The Financial Statements were reviewed. The Board unanimously accepted the Financial Statements (4-0) subject to possible change for Sequoia billing.

Cut off List – The 2-13-2020 Cut off List was reviewed by the Board. No exceptions were noted.

Flash Drive Exchange – The Treasurer and Accounting Services did not exchange accounting transaction back up flash drives.

Old Business:

System operation – Pumps, SCADA and Chlorine are all OK. Chlorine was delivered. Valve had to be cleaned.

Rural Water Authority of Douglas County – USGS came up with a different funding amount to charge for another year of monitoring for about \$17,000. Rural water doesn't have any money to contribute. USGS agreed to apply for a grant in the amount required.

Lambert Ranch – Nothing new.

Dominion Water Study – The written Dominion Water cost study performed by Kevin O'Connell (engineer) has been received by the Board but has not been discussed with Kevin. Larry Morris will contact Kevin in order to arrange a meeting to discuss the report.

Adjourn:

9:29 PM

Submitted by:

Gary D. Cammarata
TWSD Board Secretary