



The Edmonson County Water District recognizes the fact that they do have water loss in excess of 30%. Upon examination by the new management, it has been determined that with the existing antiquated billing software there does not exist an avenue to determine specific usages by zones. Add to that the unavailability of operating zone meters it is a daunting task to find specific areas to concentrate water loss surveys.

To address the billing software issue management has gotten approval from the Board to advertise for new billing software and expects to reach out for proposals in the next 60 days. In the short term we are working to develop a workaround by developing a new GIS system in a backdoor attempt to extract usage data to compare by zones.

Staff has been assigned to work specifically on locating leaks and one construction crew has been devoted to the daily task of repairing leaks as found. It should be noted that meters have been replaced within the past couple of years so loss from metering should be at a very minimum.

As the GIS system is established, we will be installing main line zone metering, connecting these meters to SCADA and developing SOP's for the staff to review daily to best control loss concentrating on a specific zone at a time.

Another issue that has been recognized is that there are many areas of the distribution system that have excessive line pressure. We believe after the establishment of a hydraulic model we will be able to install main line pressure regulators in these areas to lower main line pressures significantly while still adequately maintaining customer pressures. This should decrease significantly losses due to service line leaks. We are very close to having the Hydraulic Model complete and expect to be able to begin identifying these high-pressure areas in the next couple of months



To summarize

1. Update billing system to be able to break down sales by zones
 - a. Hopes are to accept RFP's and award by year end and have new billing software implemented and in service in 2025
2. Install zone metering
 - a. Begin installing zone meters later in 2024
 - 2 zone meters in service by year end 2024
 - 8 zone meters installed in 2025
 - 6-8 more zone meters installed 2026
3. Connect zone meters to SCADA
 - a. Connect all during installation
4. Develop a GIS mapping system
 - a. We have just employed new staff to dedicate full time to GIS
 - b. Plan to have a working map by year end 2024
 - c. Implement to all staff the new electronic mapping system February 2025
5. Install main line pressure regulators
 - a. Identify with new Hydraulic Model areas of high pressure by year end 2024
 - b. Install possibly 4-6 new main line pressure regulators in 2025
6. Continue committing staff specifically to monitor water loss