

AMI Water Meter Replacement Project Update and Information

Kamstrup meters and related equipment are only sold by official distributors of Kamstrup. There are no other alternate suppliers of the kamstrup equipment so the quote we received from Resource Wise is the only quote we will get for the kamstrup system.

I suggest that we reach out to other meter producers that offer similar AMI systems like Colorado based Metron and get some cost estimates from them so we can compare it to the Kamstrup system.

After looking at some of the grants out there for water projects it is clear that we need to first collect a bunch of data and since there is much less funding available and what is available requires supported technical analysis, reference to a planning document, and projects being ready with matching funds clearly identified.

I recommend that we hire someone to test the master meters in the well houses.

1. The first thing we need to do is find a way to get the meters in the well pump houses bench tested for accuracy to ensure the data we are collecting is correct or not. We are producing way more water than we are recording as usage and billing for which makes us think the master meters may not be recording pumping numbers correctly. Examples are below:

- a. January/February 2025:

Produced: 27,994,500 gallons vs Billed: 2,564,000 gallons

That is 25,430,500 more gallons produced than billed for.

- b. July/August 2025:

Produced: 37,876,800 gallons vs. Billed: 11,469,000 gallons

That is 26,407,800 more gallons produced than billed for.

- c. November/December 2025

Produced: 25,823,600 vs. Billed 1,946,000 gallons

That is 23,877,600 more gallons produced than billed for.

2. We need to get several of the old brass meters that are failing bench tested to see how off they may or may not be in recording usage. Staff can do this by taking some meters to a water system that has a meter bench tester.

3. We may be required to do a water efficiency plan depending on the funding opportunity. I am reaching out to the Water Now Alliance to see if they can assist us in creating a water efficiency plan which I think they may do for free.
4. We did not become aware of the failing meters, or at least it was not brought to my attention, until after we completed the capital improvements plan which does not have a meter replacement project included in it. Since almost all grant applications require preliminary planning efforts in order to qualify for funding I am going to reach out to DOLA and see if we can amend our capital improvements plan with a water meter replacement project since it is less than a year old and see if that will be acceptable to at least DOLA.
5. Many of the grants require some kind of community engagement/support effort. We may need to hold a public comment/hearing for the project or at least for the amendment to the CIP plan to include the meter replacement project.