

CASTLE ROCK WATER

ADVANCED METERING INFRASTRUCTURE (AMI)

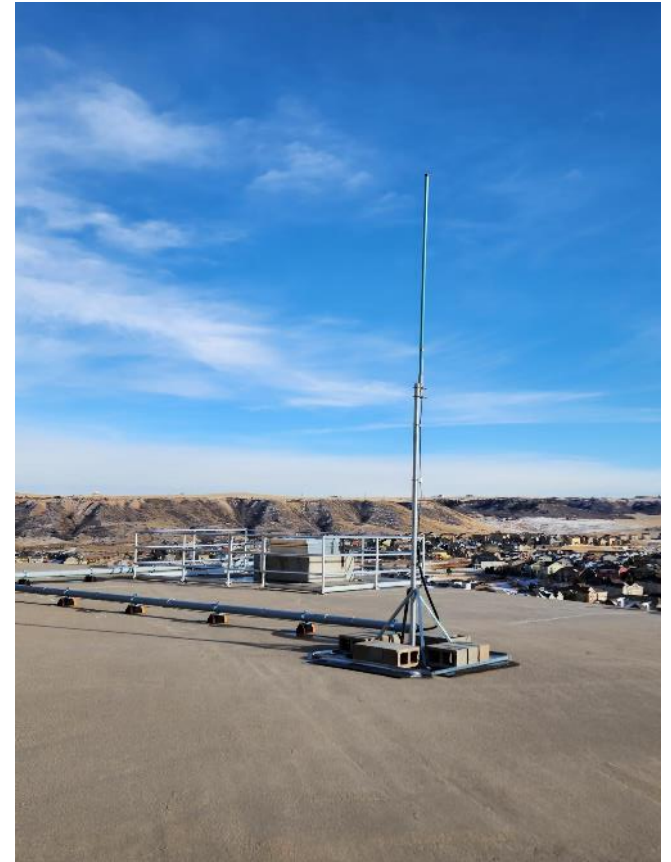
MARCH 2025 TOWN COUNCIL UPDATE

MARCH 4, 2025



AMI UPDATE BACKGROUND

- Eliminates need to roll truck to read meter
- Provides up-to-date water usage with multiple reads daily
- Encourages water conservation
- Helps identify leaks
- Provides the utility and the customer useful usage alerts

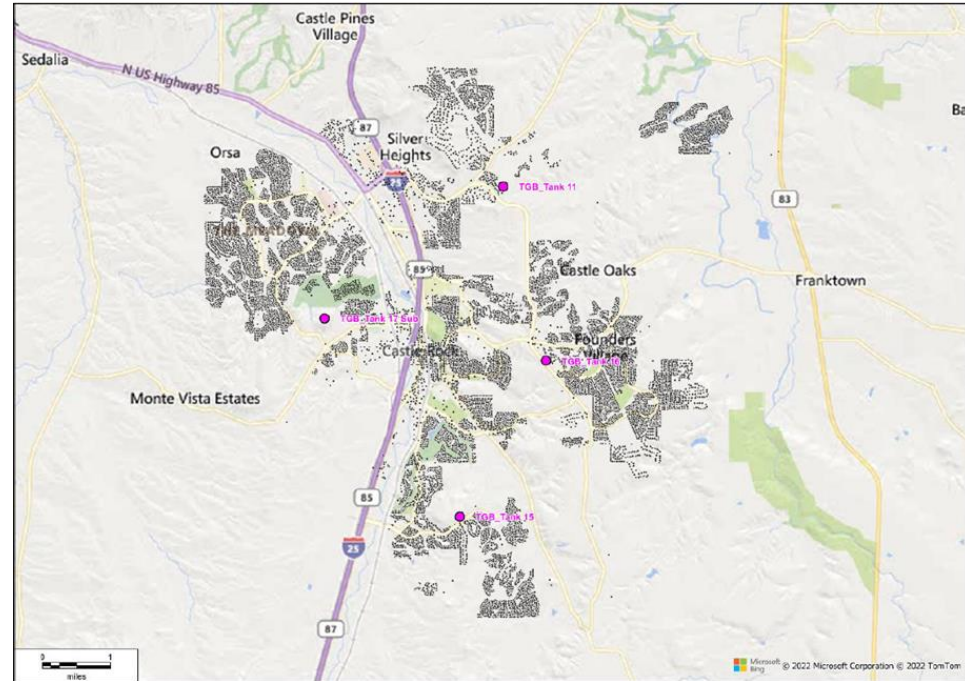


Base Station

AMI UPDATE

PROJECT HISTORY AND SCHEDULE GOING FORWARD

- 2022 – Base stations installed
- 2023 – Regional Network Interface installed
- 2024 – Sensus Analytics installed
- 2025 – Go live for meter reading (April)
- 2025/2026 – Customer Portal anticipated
- 2028 – 100% AMI compliant



Base Station Map

AMI UPDATE

RADIO AND METER CHANGE OUTS

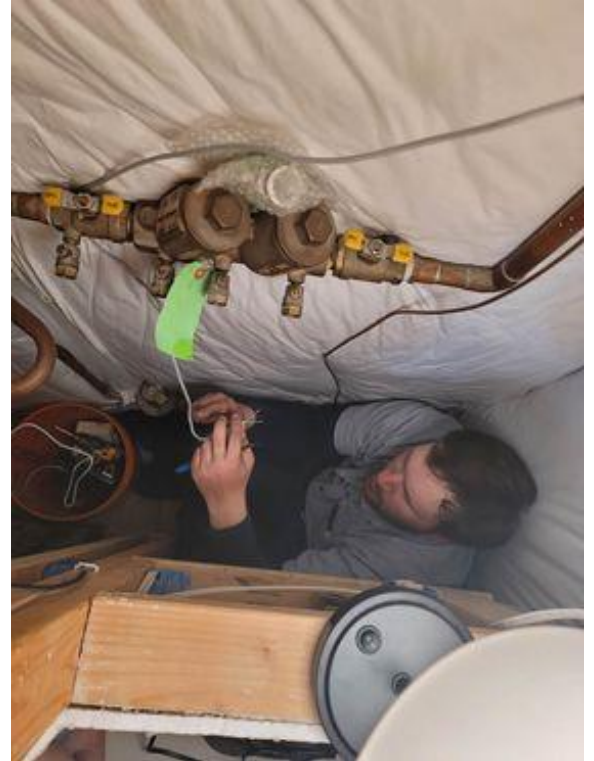
Radio Update Process

- Less than 10,000 MXU (Radios) remain to be upgraded
- Averaged 260/month in 2024
- Don't need to get into house to do this
- Additional personnel may be added – part time temporary

Meter Update Process

- New meters read in gallons instead of thousand gallons so can see leaks easier
- Need to get into house for some of these
- Some of the older meters are in pits
- Old meters can be read by AMI

***If meter house was built 2016 or later, then you have AMI meter and radio.**



Meter Change Out

AMI UPDATE

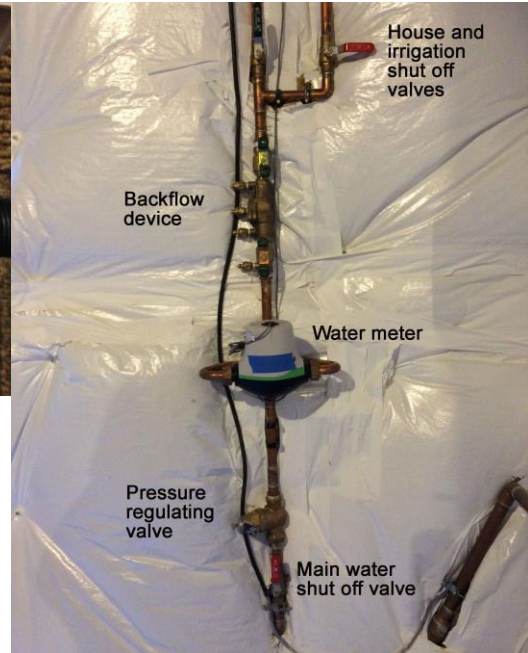
RADIO AND METER CHANGE OUTS



Old Meters are Metal



Radios are on Side of House



New Meters Plastic

AMI UPDATE

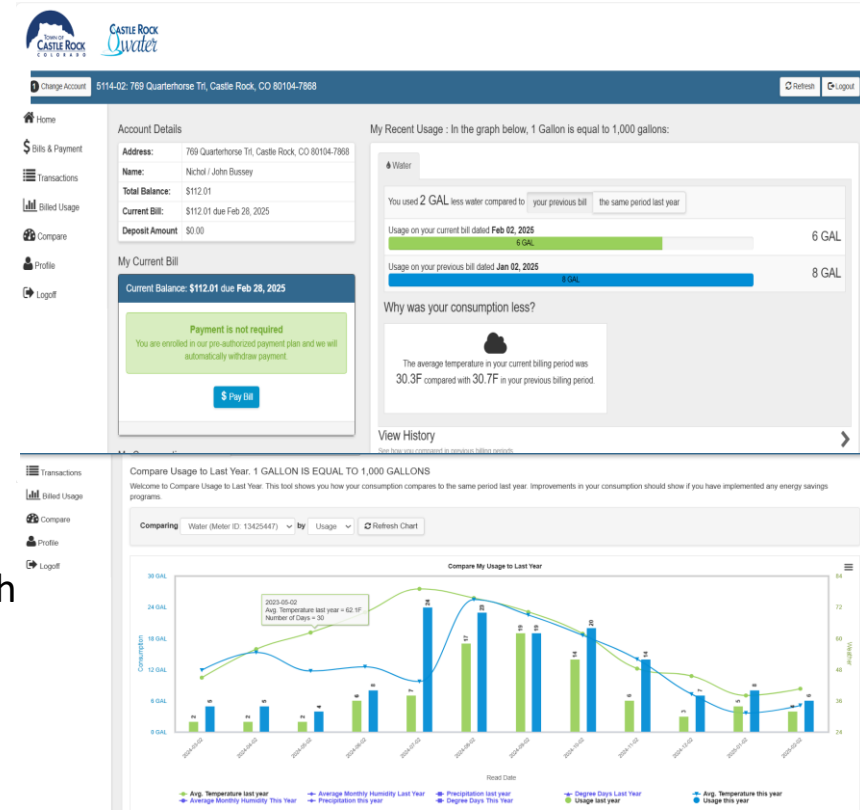
FUTURE CUSTOMER PORTAL

Existing Options

- Created inside of existing Silverblaze portal
- Overlay events on consumption graph
- Show 3 years of data on consumption graphs
- Provide customers with hourly data
- In gallons for new meters, thousand gallons for old meters

Additional wish List items

- Alerts how customers want them – email/text or both
- Ability to set individual parameters for alerts, and change them as they see fit
- App for phone



AMI UPDATE

COSTS TO DATE AND FUTURE BUDGET

Enterprise Fund	2022	2023	2024	2025	2026	2027	2028	2029	Total
Water (50%)	\$ 99,611	\$ 168,484	\$ 809,469	\$ 724,668	\$ 731,165	\$ 258,879	\$ 266,162	\$ 164,931	\$ 3,223,369
Water Resources (25%)	\$ 49,805	\$ 79,341	\$ 404,735	\$ 362,334	\$ 365,583	\$ 129,440	\$ 133,081	\$ 82,466	\$ 1,606,785
Wastewater (25%)	\$ 49,805	\$ 79,341	\$ 404,735	\$ 362,334	\$ 365,583	\$ 129,440	\$ 133,081	\$ 82,466	\$ 1,606,785
Total Budget (100%)	\$ 199,221	\$ 327,166	\$ 1,618,939	\$ 1,449,336	\$ 1,462,331	\$ 517,759	\$ 532,324	\$ 329,863	\$ 6,436,939



QUESTIONS?