

**Municipal Utilities Department
Water Resources Division
AUTOMATED METERING INFRASTRUCTURE (AMI)**

Water Advisory Group

Item 26-0541

May 6, 2026



Automated Metering Infrastructure Project

- Automated Metering Infrastructure (AMI)
 - Replace Approximately 25,000 Water Meters to Radio Ready Smart Meters. (City has over 51,500 Water Meters)
 - Install 4 Radio towers with Flexnet Basestations
 - Install Over 51,500 AMI Smartpoints (Radios)
 - Upgrade Meter Reading Software
 - Future Customer Usage Portal and Customer Defined Notifications

Automated Metering Infrastructure Project

- Current Project Timeline
 - May 2026
 - Meter Software and Billing Software Testing
 - June 2026
 - Meter/Radio Installations to test software integration
 - July 2026 – July 2028
 - Full deployment to install all meters and endpoints.
 - July 2028
 - 100% All Meters on the AMI System

Automated Metering Infrastructure Project

- Project Benefits
 - Hourly Meter Reads
 - Better Customer Support
 - Able to determine when water usage occurs
 - Customers will be able to receive notification when water usage is high
 - Information/Data Security
 - Water Conservation
 - Updating and Replacing Old Water Meters
 - Eliminates the need for manual meter reads
 - Reduced reading errors

Automated Metering Infrastructure Project



iPERL

- RESIDENTIAL MAG TECHNOLOGY
- 3/4" FLOW RANGE 0.03GPM - 35GPM
- 1" FLOW RANGE 0.11GPM – 55GPM
- OVER 40 ALARMS (LEAK, EMPTY PIPE, REVERSE FLOW)
- 20 YEAR BATTERY WARRANTY (15//5)
- 20 ACCURACY GUARANTEE
- BRASS OPTION AVAILABLE



Automated Metering Infrastructure Project

Aqua Metric

SENSUS OMNI C&I METER

- CURRENTLY AVAILABLE 1 ½" – 10"
- FLOATING BALL TECHNOLOGY FTB
- LOW FLOW @ 0.5 GPM
- OPERATING RANGE 0.5 – 4000 GPM
- 10 YEAR BATTERY
- OPTIONAL PRESSURE SENSOR



Automated Metering Infrastructure Project

Aqua Metric



AMI SMARTPOINT

- TWO-WATT RADIO TRANSMITTER
 - POWER EQUALS DISTANCE/RANGE ~ UP TO 10 MILES
 - TRANSMIT HOURLY DATA UP TO 6 TIMES PER DAY WITH 7 DAYS OF HISTORY
 - 20 YEAR NATIONALLY PUBLISHED WARRANTY (15/5)
 - PRIMARY LICENSED TWO-WATT NARROW BAND 900-950 MHZ
 - FULL 2 – WAY SYSTEM (OVER THE AIR UPDATES)
 - CELLULAR OPTION AVAILABLE

Automated Metering Infrastructure Project



FLEXNET M400 BASESTATION

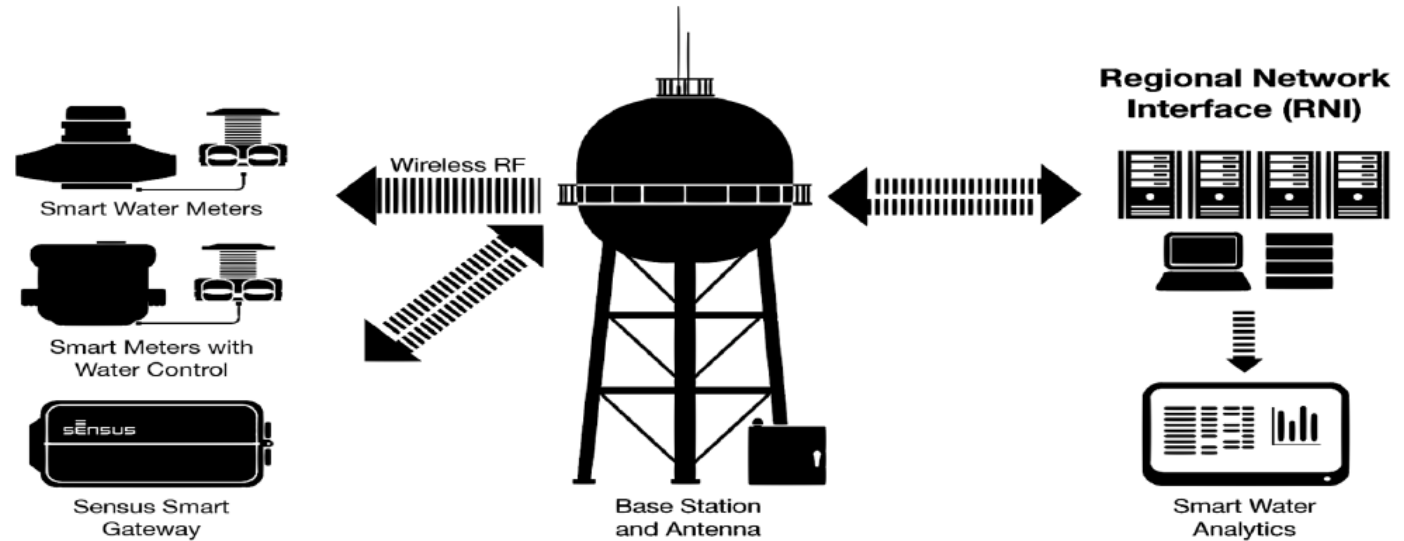
- COMPACT SIZE (22" X 22" X 10")
- FLEXIBLE MOUNTING OPTIONS
 - POLE, WALL, TOWER, ETC.
- SUPPORTS ALL FLEXNET APPLICATIONS
 - ELECTRIC, WATER, GAS AMI, DISTRIBUTION AUTOMATION (RGS, PRESSURE, WATER QUALITY)
STREET LIGHTING CONTROL
- FLEXIBLE BACKHAUL OPTIONS
- 8 HOUR BATTERY BACKUP
- FIELD SERVICEABLE AND UPGRADEABLE
- ALL MAINTENANCE PERFORMED BY AQUA METRIC



Automated Metering Infrastructure Project



FLEXNET NETWORK OVERVIEW



QUESTIONS?



SENSUS ANALYTICS SOFTWARE

