

# Town of Clayton Water & Electric AMI Deployment

Clayton, NC



## PROJECT OVERVIEW

### CUSTOMER:

Town of Clayton Water & Electric  
AMI Deployment

### PRODUCTS:

Sensus Stratus IQ+™ electric meters  
Sensus accuSTREAM™ water meters  
Sensus M400 Series collectors  
Sensus RNI and Sensus  
Analytics MDM

### LOCATION:

Clayton, NC

### CHALLENGE:

The town's metering system, comprising radio-read meters, was nearing the end of its operational life. The town was experiencing an increase in failures which resulted in a larger-than-expected manual read process.

### SOLUTION:

In conjunction with Ferguson, Clayton upgraded 19,500 commercial and residential utility meters and integrated them into a Sensus Advanced Metering Infrastructure system.

### PRODUCT ADVANTAGES:

- High-end network coverage with minimal infrastructure
- Multi-utility metering capabilities
- Licensed FCC frequency eliminates interference and maintains a reliable connection to the endpoints

## BACKGROUND

In 2017, the Town of Clayton, North Carolina, determined that re-read and read failure incident rates due to the infrastructure's age had reached unacceptable levels—for the sake of both customer billing accuracy and staffing resources. The town began reviewing their options for a comprehensive system upgrade.

Between July 2018 and May 2019, the town opened a bid process for a new water and electric metering system.

## PROJECT SCOPE

Ferguson Waterworks was selected as a key supplier for this initiative, and our Meter & Automation Group was able to create a comprehensive Advanced Metering Infrastructure solution using Sensus products.

Sensus offered the town the best network coverage with minimal infrastructure required to install. The new system can scale alongside the town's growth without need for additional network infrastructure. Sensus's licensed FCC frequency eliminates interference and maintains a strong connection, ensuring more accurate data, enhanced customer service and operational efficiencies for the town's utilities.

## METHOD

The town upgraded 7,500 electric meters to the Sensus Stratus IQ+ and 12,000 water meters to the Sensus accuSTREAM. Four Sensus M400 collectors were implemented for complete service area coverage.

The town's installation rollout coincided with the COVID-19 pandemic, a time when an above-average number of Clayton residents were working from home and couldn't accommodate lengthy service disruptions.

Deployment was completed in two phases—water first, then electric—to minimize the impact on the residents. This rollout required careful attention to delivery dates, ensuring that all phase-specific products were in hand and ready to deploy on the proper dates. Our Meter & Automation Group worked closely with the town and the installation contractor to coordinate supply appropriately.

## THE SOLUTION: FERGUSON WATERWORKS

The town chose to partner with Ferguson Waterworks because of our close relationship with Sensus, a national leader in metering solutions. Our Meter & Automation experts were able to recommend specific Sensus products that met the town's requirements and drove efficiencies to reduce operational costs and enhance billing accuracy for residents and business.

For more information, ask an expert: [Bryan Jones, bryan.jones2@ferguson.com](mailto:bryan.jones2@ferguson.com)