



Project Highlight

City of Bonham, TX



Advanced Metering & Facility Upgrades to Improve Water Infrastructure & Utility Operations

Technology Type:

Advanced Metering Infrastructure (AMI) |
Water Infrastructure Upgrades & Meter Replacement |
Water Distribution System Upgrades | Pipe Typing |
VFDs | HVAC Improvements | LED Lighting
Retrofits | Self Contained Breathing Apparatus (SCBA)

Water Meter Locations Surveyed

4,200

Water Meters Replaced

3,500+

Project Size

3.3 Million

Estimated Annual Savings

~\$120,000



Summary

Looking to proactively address its aging water meter reading system, the City of Bonham partnered with Ameresco to replace its water meters and install an Advanced Metering Infrastructure (AMI) system. This project was designed to improve operational efficiencies, upgrade infrastructure, and provide benefits to citizens, while also considering other infrastructure needs related to buildings and elevated storage tanks. Additionally, it could potentially capture lost revenue from inaccurate meters, offsetting the cost of repairs and upgrades, and reducing operating costs and water losses.



Solution

Ameresco identified improvements to the City of Bonham's water metering and distribution infrastructure, as well as building utility operations. The project centered on providing improvements across metering infrastructure, water distribution infrastructure, and facility operations including:

- Renovation of water metering and distribution infrastructure
- Installation of 3,587 solid-state water meters and AMI system
- Water distribution upgrades including variable frequency drives (VFDs) and premium efficiency motors
- Building facility upgrades including LED lighting, HVAC replacements, and SCBA tank compressor upgrades
- Pipe Typing services for EPA Lead & Copper Pipe Identification, surveying 4,200 water meter locations

The water meter and energy efficiency savings project with Ameresco has been highly favorable for municipal operations. The team is very professional and made the project both streamlined and rewarding, and I highly recommend organizations take advantage of the projects Ameresco has to offer.

Sean Pate
City Manager, Bonham, TX



Benefits

In addition to improving the City of Bonham's water metering and distribution infrastructure, the project also enhanced the facility building operations.

Benefits of the project included:

- Providing a solution for the City's significant aging infrastructure and failing meter reading technology
- Accurately capturing metered water consumption
- Increasing the City's billing revenues
- Water distribution upgrades reducing utility spending and increasing operational flexibility



Ameresco's team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy and water solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

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