

## City of Beeville, Texas

# Advanced Metering Infrastructure (AMI) and Wastewater Treatment Plant Modernization

### Phase I

The City of Beeville replaced all 5,192 of their existing water meters with new “smart meters” that are connected to a secure Advanced Metering Infrastructure (AMI) network. This 21st-century technology provides the City and residents with more visibility into their water usage and resources. For example, one of the features of the new system allows the City to remotely monitor potential water leaks by setting up notifications when water usage exceeds certain thresholds. The project also includes improvements to critical City infrastructure, including new LED lighting, HVAC replacements, building controls, and power conditioning.



The self-funding project creates positive cash flow and the City expects to see a \$9.77 million efficiency and operational savings over a 20-year time span making this a sound financial decision.

The project utilizes water meters that features solid-state ultrasonic meter technology. The smart meters enable the City to reduce unaccounted water loss and read water usage at the highest possible level of accuracy. The AMI network interfaces seamlessly with the City of Beeville’s existing water customers and utility billing system. The network captures meter data, such as water flow, reverse flow detection, and other operating data in real-time.

City of Beeville customers now have access to a customer portal. This customer portal, which can be found on the Apple App Store or Google Play, provides residents of Beeville with real-time visibility into their water usage. The project commenced installation in Summer of 2020 with completion in Spring 2021.

### Phase II

The City of Beeville is also utilizing a Performance Contract to finance critical infrastructure improvements at its wastewater treatment plant. Performance Services is replacing the motor control center, upgrading the bar screen for removal of non-organic materials, upgrading the headworks and grit chamber, installing a new lift station, eight new aeration rotors, four new energy efficient pumps, two new emergency power generators, a new chemical storage tank, rehabilitation of the chlorination chamber and a new SCADA system. This \$14.5 million project is expected to be completed in the Fall of 2022.

*“My experience with Performance Services is exceptional. They provide expertise, excellent communication, and project management. I am kept informed, and if I have questions, they are prompt in following up with me. I found our water and wastewater projects to be seamless and am confident recommending them for your next city improvement project.”*

**John Benson**  
CITY MANAGER

**WATER METERS INSTALLED:**  
**5,192**

**CONTRACT TOTAL, PHASE I-II:**  
**\$19,783,210**

**COMPLETION DATE:**  
**Fall 2022**

**TOTAL SAVINGS (20 YEARS):**  
**\$9,770,000**

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**City Manager**  
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### About Performance Services

We are a Design-Build engineering and construction company specializing in creating high-efficiency buildings with optimal learning and working environments. By valuing relationships and workmanship over change orders and shortcuts, Performance Services strives to earn a 100% Customer Satisfaction rating.

