
City Council Regular Meeting

DEPARTMENT: Public Works

FROM: Eric Oscarson, Public Works Director

MEETING: March 6, 2023

SUBJECT:

Consider approval of a professional services contract for an Automated Meter Reading (AMR) / Automated Metering Infrastructure (AMI) feasibility study with Quanta, LLC in the amount \$100,318.00. (*Staff Contact: Eric Oscarson, Public Works Director*)

SUMMARY:

In October 2022, the City of Burleson, Texas (BTX), invited written proposals (RFP) to conduct an evaluation of the existing water metering infrastructure, and develop recommendations, financial information, and implementation timelines for the City's potential adoption of an updated Automated Meter Reading and/or Automated Metering Infrastructure (AMR / AMI) system that would best meet the needs of the City of Burleson.

BTX has an approximate population of 50,000. The Public Works Department maintains approximately 15,946 meters (14,830 single-family residential and 1,116 commercial) ranging in size from 5/8" through 6". The City's existing meter infrastructure consists entirely of Neptune meters. Currently meters are read by drive-by of each meter location to automatically download the meter information, including consumption, into a laptop. Existing residential meters utilize internal moving parts, which wear over time and cause potential water loss and loss of revenue due to inaccurate reading. BTX requested that written proposal must demonstrate the ability to assess all aspects of an AMR / AMI system (not limited to feasibility, deployment, cost, state of existing infrastructure, adaptability of existing infrastructure, supply chain concerns etc.).

Proposers were asked to complete a comprehensive analysis of the current water distribution metering system needs, water loss, water customer service infrastructure, customer billing, software, cost, feasibility, viability, and relative advantages and disadvantages of installing an updated AMR or AMR / AMI system citywide. The proposer will develop up to three alternatives/options for the implementation and deployment of an AMR / AMI program throughout the City. At least one alternative shall include an update to the existing AMR system (radio reading technology (Insight Software) to cellular reading technology). Each alternative shall include recommendations of hardware (meters, computer systems, devices etc.) with the advantages and disadvantages of each type of installation within the existing environment and a cost-benefit analysis to be reviewed by the City.

BTX received 7 written proposals that met the criteria guidelines. City staff interviewed three (3) finalists and Quanta Technology, LLC completed the RFP process with the highest score.

The total amount of funding available through the FY2023 budget process for an AMR / AMI Feasibility Study was \$250,000.00. The total cost of the Quanta LLC proposal is \$100,318.00.

OPTIONS

- 1) Approve a professional services contract for an Automated Meter Reading (AMR) / Automated Metering Infrastructure (AMI) feasibility study with Quanta Technology, LLC in the amount \$100,318.00.
- 2) Deny a professional services contract for an Automated Meter Reading (AMR) / Automated Metering Infrastructure (AMI) feasibility study with Quanta Technology, LLC in the amount \$100,318.00.

RECOMMENDATION:

Approval of a professional services contract for an Automated Meter Reading (AMR) / Automated Metering Infrastructure (AMI) feasibility study with Quanta Technology, LLC in the amount \$100,318.00.

FISCAL IMPACT:

Budgeted Y/N: Y
Fund Name: Water Fund
Full Account #s: 450-7500-439.32-02
Amount: \$100,318.00
Project (if applicable):
Financial
Considerations:

STAFF CONTACT:

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