



Legislation Text

File #: 21-1552, Version: 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Change Order #2 to Contract 19-214, Water Advanced Metering Infrastructure (AMI) Project, to Core & Main LP for an additional 180 days (Item 1 of 2)

DEPARTMENT: Water Utilities

SUBMITTED BY: Darrell Blenniss, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

Core & Main, an authorized distributor of Sensus USA, Inc, provides for integration of the Sensus software with the City's various IT systems and provides for purchase and installation of approximately 43,500 MIUs which allow for transmission of water usage data to three elevated base stations, or DCUs. The base stations pass the data to an interface, which gathers and processes network data that sends it to the City's existing data management software used by the Electric Utility.

On September 1, 2020, the City Council awarded Contract 19-214 to Core & Main LP to install AMI hardware, including meter interface units (MIUs) and data collection units (DCU's), AMI head end, and integrating the City's Meter Data Management System (MDMS) and associated software for a complete system.

DISCUSSION:

Installations of the meter interface units are substantially complete, but the software integration effort continues. The first phase of software integration was completed earlier this year and included the integration between the Sensus Regional Network Interface (RNI) and the City's billing software (Naviline). This integration allowed for the wireless meter reads to be captured in our billing system so staff can generate monthly customer bills with the data.

The second phase of software integration between the Sensus RNI, Harris Meter Data Management System (MDMS) and Naviline is still ongoing. The MDMS provides a platform for long-term meter data storage and data analytics, allowing staff to better understand consumption patterns to proactively address issues. Additionally, the Empower customer portal will leverage these integrations to allow customers to view water consumption, make informed decisions, and enable customers to partner with the Water Utility to operate more efficiently. The City will not be able to fully maximize its investment in the Water AMI project until the integrations in the second phase have been completed.

Additional integration requirements were uncovered during the planning of the second phase that required additional time beyond original estimates. A change order is requested to extend the contract completion date by 180 days allowing the contractor to complete the software integrations, testing and final invoicing, as specified within the contract. Staff will continuously work with the vendor to expedite completion of the project. No additional funds are required to complete the outstanding work. The revised completion date will be June 29, 2022.

FISCAL IMPACT:

CIP: WU040

Installation of the Water AMI system is expensed to the infrastructure account listed below, as part of the annual capital improvement program. A total of \$7 million is budgeted for the project in 2021. The requested change order will have no impact on the current budget, as no additional funds are needed.

Account Number	Fund Description	Total Budget Amount
41251500-551502	Water & Wastewater Fund	\$26,743,950

Per Council directive, contingency on construction projects is set at 3% on projects over \$500,000 and 5% on projects under \$500,000.