



Legislation Text

File #: 22-0910, Version: 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Sole Source Procurement 22-246, S&C 6800 Series Padmount Retrofit Kits, to Universal Utility Supply Company for an amount not to exceed \$364,175

DEPARTMENT: Electric Utility

SUBMITTED BY: Brian Groth, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

The Electric Utility (Utility) is responsible for the City's safe and efficient delivery of electricity. In order to maintain operations and reduce the scope and duration of certain outages, there are currently 136 Distribution Automation (DA) automated switchgear strategically located throughout Naperville. The DA system is installed on 95 feeders and covers 52,648 customers. The first of these devices was installed in 1997.

Automated switchgear provides redundancy for 90% of the 12kV feeders in the city. DA is critical to the Utility's operation because it reduces downtime and minimizes the number of affected customers during a power failure.

The Utility currently uses S&C Electric Company series 2850 and 5800 DA controllers. Due to the discontinuation of this series, the Utility must upgrade to the new 6800 series controllers to allow for SCADA to communicate with the switchgear and for remote control of the units. They also provide feedback with pertinent data on the 12kV feeder to Electric Service Center Control Room.

This upgrade will enable the Utility to utilize secure ethernet communications, speeding up the response time of devices in the field as well as modernizing and updating existing equipment.

DISCUSSION:

This sole source is requested to purchase hardware to upgrade the DA equipment for 32 controllers and maintain conformity of equipment throughout the Utility's network.

The Utility intends to purchase the following: (29) 6802 Retrofit w/GPS controller kits, (2) 6803 Retrofit w/GPS controller kits, and (1) 6801 Retrofit w/GPS controller kit. These parts will be used to upgrade DA Teams that automate 12kV feeders between the Meadows, Royce, Modaff, Springbrook, Fort Hill and Jefferson Substations.

The Utility has identified this purchase as a sole source because UUSCO is the sole distributor for S&C Electric Company for electric municipal customers in the Northern Illinois region. A sole source letter from the manufacturer is attached.

FISCAL IMPACT:

CIP#: EU049

Distribution Automation upgrades are expensed to the Infrastructure account listed below. This is related to capital improvement project EU049, Distribution Automation, for which \$500,000 was budgeted for in 2022. The requested award is within the budgeted amount for this expense.

Account Number	Fund Description	Total Budget Amount
40251300-551502	Electric Utility	\$10,444,067