



Naperville

CITY COUNCIL AGENDA ITEM

SUBJECT: Recommend Award of Bid 13-123, (Re-Bid) Substation Automation Communication Upgrade

TYPE OF VOTE: Simple Majority

ACTION REQUESTED:
Approve the Award of Bid 13-123, (Re-Bid) Substation Automation Communication Upgrade, to Graybar Electric, for an amount not to exceed \$199,520.

BOARD/COMMISSION REVIEW:

COUNCIL ACTION PREVIOUSLY TAKEN:

Date	Item No.	Action

DEPARTMENT: Public Utilities - Electric
Procurement Services Team

SUBMITTED BY: Michael Bevis, Chief Procurement Officer

FISCAL IMPACT:
CIP: EU44/WF0061498 Account & Amount Budgeted: 410-3390-533.70-89 - \$225,200

BACKGROUND:
This new equipment will be installed to enable communication to a wide variety of systems within the substation including automated transformer load tap changers, upgraded SCADA RTUs, fiber controlled relays, and digital power meters in each of the (16) substation locations. The installation of these new switches will also benefit the utility by providing the communication backbone for conservation voltage reduction and enhanced digital communications within each of the substations.

The Ethernet switches are IEEE 1613 rated and will be configured for ruggedized operation inside each substation control house. The switches have the flexibility of being configured for copper, single-mode, and multimode optical communications. The switches are also manufactured to handle the IEC 61850 substation protocol and have a high level of RFI/EMI shielding adding to their reliability in the substation environment.

Included in this Procurement are (2) Hirschmann Ethernet Switches per all (16) substation locations; one Ethernet switch with copper port options the other Ethernet switch with fiber SFP Port option. All necessary SFP modules including multimode and single-mode optics are included for building out communications at each substation. USB backup devices, one per Ethernet switch, will hold existing configurations for fast replacement and reprogramming of the device. The equipment will be installed in each substation control house by DPU-E automation and communication technicians and substation linemen.

DISCUSSION:

Notification and Response:

Notices Sent:	335
Planholders:	10
Proposals Received:	1

The following bid was received:

Graybar \$199,520

This project was bid and then re-bid with the same results. Vendors were contacted following the initial bid to find out why they had not submitted. One of the three primary candidates does not supply the particular brand that is needed by Public Utilities, and the other two responded that they had not received notification, but would be interested if the bid was re-issued. When the bid was re-issued, both responded with a no-bid, stating that they were unable to be competitive. When asked why, it was explained that Graybar received the best pricing from the manufacturer that they were unable to match.

Graybar bid the same amount for both bids, and their pricing, per the department, is less than was anticipated and budgeted.

RECOMMENDATION:

Staff recommends award of Bid 13-123, Substation Communications Upgrade, to Graybar for an amount of \$199,520.

ATTACHMENTS:

1. CIP Page