



Legislation Text

File #: 22-1160, Version: 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Cooperative Procurement 22-282 HPe Aruba 4001i Network Switches, to CDW Government for an amount not to exceed \$259,807.60

DEPARTMENT: Electric Utility

SUBMITTED BY: Brian Groth, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

The Electric Utility (EU) has an aging network infrastructure which was originally installed in 2009. This network consists of 18 Hirschmann Ethernet rack mount switches and five Hirschmann Ethernet DIN rail switches at various points within the city. These switches operate at a maximum potential link speed of one gigabit per second location to location.

Over time, this link speed has become saturated due to increased network needs such as higher resolution video cameras, smart metering data traffic and general substation network usage. As a result, the EU now needs to upgrade to a ten gigabit per second network architecture.

DISCUSSION:

The EU has met with various network equipment vendors to gather information on potential product choices and delivery lead times. Hewlett Packard Enterprise, a parent company of Aruba Networks, has been the only vendor who is able to provide the EU with networking equipment which will conform to the IEEE 1613 standard to withstand the environmental constraints of the Electric Substations. Additionally, this equipment has been confirmed to be in production and is able to be delivered within a reasonable amount of time. No other vendor has been able to conform to our product needs while being able to provide delivery lead times.

Staff has identified an approved cooperative contract, OMNIA Partners Cooperative Contract 2018011-01 through CDW Government, for the procurement of the Aruba network switches. The network switches are expected to be delivered within 4-6 weeks.

FISCAL IMPACT:

CIP#: EU044

Aruba 4001i network switches are expensed to the Infrastructure account listed below. The expense is budgeted as part of capital improvement project EU044, Fiber Optic Cable for Relay Protection and

Communication, for which \$1,370,000 is budgeted in 2022. The requested award can be accommodated within the 2022 budget.

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