



City of Olathe

COUNCIL AGENDA ITEM

MEETING DATE: 2/20/2024

FOCUS AREA: Infrastructure (Engineering)

STAFF CONTACT: Mary Jaeger / Nate Baldwin

SUBJECT: Consideration of contract and quote from Howden USA Company for SCADA upgrades associated with the blower equipment and panels at Cedar Creek Wastewater Treatment Plant.

TITLE:

Consideration of contract and quote from Howden USA Company for SCADA upgrades associated with the Water and Wastewater SCADA Security Project, PN 5-C-008-21.

SUMMARY:

The City's water and wastewater treatment plants utilize an electronic Supervisory Control and Data Acquisition (SCADA) system that allows staff to control all aspects of system operation from a centralized location at the facility. Each major process of the treatment train additionally has a local control panel (LCP) that communicates back to central controls within SCADA. The network design that supports SCADA function is antiquated and vulnerable to cyber-attacks.

The LCP's and associated software associated with the blowers at the Cedar Creek Wastewater Treatment Plant were originally installed in 2010 with the plant expansion. This equipment is obsolete and replacement parts are no longer available. By upgrading the LCP's and associated appurtenances, this will mitigate the risk of a cyber-attack at our treatment plant.

The City has reached out directly to the equipment supplier for pricing associated with the purchase and installation of new LCP's directly associated and proprietary to this equipment for installation. This quote is \$251,085.30.

Work is anticipated to be complete by Summer 2025.

FINANCIAL IMPACT:

Funding for the Water and Wastewater SCADA Security Project, includes:

<u>ARPA</u>	<u>\$2,002,000</u>
Total:	\$2,002,000

ACTION NEEDED:

Approval of contract and quote from Howden USA Company for SCADA upgrades associated with the Water and Wastewater SCADA Security Project, PN 5-C-008-21.

ATTACHMENT(S):

A. Contract
