



City of Olathe

COUNCIL AGENDA ITEM

MEETING DATE: 5/21/2024

FOCUS AREA: Infrastructure (Engineering)

STAFF CONTACT: Mary Jaeger / Nate Baldwin

SUBJECT: Consideration of contract and quote from Trojan Technologies Group ULC for SCADA upgrades associated with the UV disinfection equipment and panels at Cedar Creek Wastewater Treatment Plant and Harold St. Wastewater Treatment Plant.

TITLE:

Consideration of contract and quote from Trojan Technologies Group ULC for SCADA upgrades associated with the Cedar Creek PLC Replacement Project, PN 1-C-001-24.

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 system control center (SCC) that communicates back to central controls within SCADA. The network design that supports SCADA function is antiquated and vulnerable to cyber-attacks.

The Trojan SCC's and associated software associated with the UV3 Plus disinfection systems at the Cedar Creek and Harold Street Wastewater Treatment Plants were originally installed around 2007. This equipment is obsolete and replacement parts are no longer available per the manufacture. By upgrading the SCC's and associated appurtenances, this will mitigate the risk of a cyber-attack at our treatment plants.

The City has reached out directly to the equipment supplier for pricing associated with the purchase and installation of new SCC's directly associated and proprietary to this equipment for installation. This quote is \$185,336.32.

Work is anticipated to be complete by Fall 2025.

FINANCIAL IMPACT:

Funding for the Cedar Creek PLC Replacements Project, includes:

<u>ARPA</u>	<u>\$2,326,000</u>
Total:	\$2,326,000

ACTION NEEDED:

Approval of contract and quote from Trojan Technologies Group ULC for SCADA upgrades associated with the Cedar Creek PLC Replacement Project, PN 1-C-001-24.

ATTACHMENT(S):

A. Contract

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