



CITY OF WASHINGTON, ILLINOIS

Committee of the Whole Agenda Communication

Meeting Date: Monday, October 13, 2025

Prepared By: Brian Rittenhouse – Public Works Director

Agenda Item: Discussion – Liftstation SCADA Improvements

Explanation: In the Summer of 2022, Council approved conducting a Supervisory Control and Data Acquisition (SCADA) Master Plan to be used as a Capital Improvement Plan (CIP) for the City's three SCADA Systems moving forward. The City contracted Concentric Integration to complete the SCADA CIP Master Plan. SCADA is vital equipment used to automate/operate the Water Treatment and Wastewater Treatment Plants and 6 Sanitary Liftstations 24 hours a day, year-round. It controls and monitors almost every aspect of operations. The SCADA CIP has helped the City identify areas where Staff can be proactive in equipment replacement and/or improvements. Below shows the recommended projects, what has been completed and what is recommended for future projects.

Fiscal Year	SCADA Master Plan CIP Projects
FY 22-23	Wells 11 & 12 Communication Completed
FY 23-24	Central SCADA Migration Completed WTP #1 PLC Replacements Completed
FY 24-25	Water Treatment SCADA Migration Completed Wastewater Treatment SCADA Migration
FY 25-26	Wastewater Treatment SCADA Migration Continues Liftstation SCADA PLC & Controls Improvements - Design
FY 26-27	Liftstation SCADA PLC & Controls Improvements - Build WTP #2 PLC Replacements WWTP PLC Replacements

The SCADA Migration will get the three systems running on the same programs and software. The Treatment Plants Programmable Logic Controller (PLC) Replacements switch out aging/discontinued equipment with the newest supported models.

In Fiscal Year 25-26, it is recommended that the liftstations replace components that have reached their end-of-life use with the newest models. Staff received a quote of \$190,850.00 to design the SCADA Improvements for 6 liftstations.

Fiscal Impact: \$200,000.00 was budgeted in Fiscal Year 25-26 for Liftstation Improvements.

Staff's Recommendation: Staff would recommend moving forward with design of the Liftstation SCADA Improvements with the intention of completing the builds in FY 26-27.

Action Requested: Council Direction