



**COMMISSION FILE NO:** 26-060-5 **DATE INTRODUCED:** May 4, 2026

**INTRODUCED BY:** Executive Director (Signature on File in the Office of the Commission)

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Change Order Request, Contract TS-2723, Rockwell Hardware Purchase Agreement

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute a change order to Contract TS-2723, Rockwell Hardware Purchase Agreement, with Revere Electric Supply Company (Revere) in an amount not to exceed \$2,000,000.

A supervisory control and data acquisition (SCADA) system is a distributed computer system that operators and managers use for process monitoring, control, and automation. SCADA systems originated in the power industry to monitor remote sites and have since evolved to support a wide range of utility, industrial, and manufacturing applications. SCADA systems provide:

- Operator visibility and alarms.
- Automatic and manual control.
- Data display and logging.

The District owns and operates the Jones Island Water Reclamation Facility (JIWRF), South Shore Water Reclamation Facility (SSWRF), and a 310-mile sewer collection, conveyance, and inline storage system (Conveyance System), each supported by a separate SCADA system. Programmable logic controllers (PLC's) are critical components of these systems and control equipment based on sensor inputs, operator commands, and programmed logic.

The District operates approximately 410 PLC's across these systems. The JIWRF and SSWRF systems use Rockwell PLC's, while the Conveyance System uses Siemens PLC's.

**ATTACHMENTS:** BACKGROUND  KEY ISSUES  RESOLUTION   
FISCAL NOTE  SBE  OTHER  \_\_\_\_\_

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**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## SUMMARY (Cont'd)

Change Order Request, Contract TS-2723, Rockwell Hardware Purchase Agreement

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The District developed a SCADA Master Plan (Plan), which the Commission approved in 2024. The Plan establishes a roadmap to maintain and improve the reliability, functionality, and security of the District's SCADA systems through 2035. It identifies needed upgrades to aging hardware and software across all three SCADA systems. Plan recommendations related to PLC's include:

- Upgrade PLC's at JIWRP, SSWRF, and in the Conveyance System.
- Continue to use Rockwell hardware at JIWRP and SSWRF, which allows reuse of most existing coding and wiring, reduces required testing, maintains consistency, leverages existing expertise, and avoids the higher costs associated with a platform change.
- For the Conveyance System PLC's, standardize on a single platform that uses a power industry standard communication protocol by selecting either Rockwell or Schneider Electric and using that platform exclusively.

The District has taken the following actions to implement these recommendations.

In October 2024, the Commission authorized the Executive Director to enter into Contract TS-2723 with Revere in an amount not to exceed \$7,500,000. That purchase agreement supports PLC upgrades at JIWRP and SSWRF by providing Rockwell Allen-Bradley PLC's and related control devices at discounts ranging from 20% to 50% below list pricing. The District procures this hardware directly from Revere, Rockwell's only authorized distributor in the District's region.

The District will implement most PLC upgrades at JIWRP and SSWRF under future SCADA upgrade projects. In the interim, the District uses this contract to replace PLC's at JIWRP and SSWRF only as needed under existing projects.

The District also advanced PLC upgrades for the Conveyance System through design and procurement efforts. In October 2025, the District entered into a contract with Carollo Engineers, Inc., to provide engineering design and application engineering services for Conveyance System PLC upgrades.

In late 2025, the District issued a request for proposals to select PLC hardware for the Conveyance SCADA System. Rockwell and Schneider Electric submitted proposals. Rockwell was the highest scoring and lowest cost proposer. Based on these results, the District has selected and will standardize Rockwell PLC's across the JIWRP, SSWRF, and Conveyance SCADA systems.

## SUMMARY (Cont'd)

### Change Order Request, Contract TS-2723, Rockwell Hardware Purchase Agreement

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Typically, the District would establish a separate purchase agreement based on this procurement process to acquire PLC hardware, control devices, and supporting software for the Conveyance SCADA System. Rather than create a separate, parallel purchase agreement for the Conveyance SCADA System PLC's, staff requests to modify the existing TS-2723 agreement. This modification will allow the District to maintain a single agreement with Revere for Rockwell PLC's, related control devices, and supporting software across all facilities.

The scope of the proposed change order includes:

- Add Conveyance System PLC hardware and related control devices.
- Add software for Conveyance System communication and configuration.
- Add \$2,000,000 to cover the estimated Conveyance System hardware and software.
- Continue to receive discounts ranging from 20% to 50% below list pricing.
- Extend the agreement term from 2027 to 2031.

The following SCADA upgrade projects will make significant purchases under Contract TS-2723 for PLC hardware, control devices, and supporting software:

- K01017, Conveyance System PLC and Controls Upgrade.
- J06102, JIWRP SCADA Upgrade.
- S06062, SSWRF SCADA Upgrade.

The agreement does not require a minimum purchase, and the maximum total purchase will not exceed \$9,500,000. District staff developed the maximum total purchase amount based on estimates for known future JIWRP, SSWRF, and Conveyance System projects, replacement and spare parts needs, and an allowance for projects with hardware needs that have not been defined yet.

### CONTRACT COST CHANGES

	AMOUNT	PERCENTAGE INCREASE OVER ORIGINAL CONTRACT	AUTHORIZED BY	SWMBE
Original Contract	\$7,500,000		Commission	100%
Requested Change Order	\$2,000,000	26.6%	Request of Commission	100%
Total Change Orders	\$2,000,000	26.6%		100%
<b>TOTAL</b>	<b>\$9,500,000</b>			<b>100%</b>

## RESOLUTION

Change Order Request, Contract TS-2723, Rockwell Hardware Purchase Agreement

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a change order to Contract TS-2723, Rockwell Hardware Purchase Agreement, with Revere Electric Supply Company in an amount not to exceed \$2,000,000.