

Legislation Text

File #: 2021-275, Version: 1

Proposed Amendment No. 3
Contract No. SCO-1134
Ovation EDS Upgrade and Update

Agenda of: July 28, 2021

Item No.: **2021-275**

Amount:	Original Contract	\$164,699.00
	Amendment No. 1	432,599.00
	Amendment No. 2	4,461,184.00
	Proposed Amendment No. 3	0.00
	Total Contract	\$5,058,482.00

TO: The Honorable
Board of Directors
Great Lakes Water Authority

FROM: Sue F. McCormick
Chief Executive Officer
Great Lakes Water Authority

DATE: June 23, 2021

RE: Proposed Amendment No. 3
Contract No. SCO-1134
Ovation EDS (Enterprise Database Server Solution)
Upgrade and Update
Vendor: Emerson Process Management Power &
Water Solutions, Inc.

MOTION

Upon recommendation of Navid Mehram, Chief Operating Officer - Wastewater Operating Services, the Board of Directors (Board) of the Great Lakes Water Authority (GLWA) authorizes the Chief Executive Officer (CEO) to enter into **Contract No. SCO-1134, Proposed Amendment No. 3, "Ovation EDS Upgrade and Update"** with **Emerson Process Management Power & Water Solutions, Inc.**, with no increase in cost, for a total cost not to exceed **\$5,058,482.00** and an increased duration of one year for a total duration of four years; and authorizes the CEO to take

such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

The GLWA utilizes the Ovation Distributed Control System (DCS) for monitoring and controlling of the equipment required to treat, distribute, and collect water and wastewater. The Ovation system installation originally began as part of the design/build/maintain contract PC-713 in 2000. Subsequently, the system was upgraded as part of PC-773 in 2013. The GLWA DCS system is a large and complex system comprising over 1,500 networked assets: controllers, servers, workstations, meters, instruments, and printers. The Ovation DCS spans all GLWA sites including the Water Resource Recovery Facility, System Control Center (SCC), Water Treatment Plants, Treated Water Pump Stations, Wastewater Collection Booster Stations, and Combined Sewer Overflow (CSO) facilities. In addition to the above system, GLWA operates an independent Emerson Ovation DCS for Backup Control Center (BCC) in the event of a catastrophic event. The DCS provides operations and maintenance with the following services: cybersecurity, historical data archiving, reporting, and secure remote process monitoring. Emerson is the manufacturer and developer of the Ovation DCS.

JUSTIFICATION

The Ovation DCS is the backbone of our Supervisory Control and Data Acquisition (SCADA) system and is essential for successful operations of our systems. SCADA is a core component for our operations and maintenance team to maintain regulatory compliance while enhancing operational efficiency. Emerson Process Management Power & Water Solutions is the manufacturer of the DCS system. This extension will provide sufficient timing to upgrade unsupported software to the latest version with a fully supported and secure operating system. Furthermore, the contract includes allowances for direct manufacturer support for software patches, onsite field engineering services until a replacement contract is in place.

PROJECT MANAGEMENT STATUS

Original Contract Time	1,096 days
Amendment No. 1:	0 days
Amendment No. 2:	0 days
Proposed Amendment No. 3	365 days
New Contract Time	1,461 days

PROJECT ESTIMATE

Original Contract Price	\$164,699.00
Amendment No. 1:	432,599.00

Amendment No. 2:	4,461,184.00
Proposed Amendment No. 3	0.00
New Contract Total	\$ 5,058,482.00

FINANCIAL PLAN IMPACT

Summary: This proposed change order is for an extension of time only. It will allow for project completion and on-going support of the Ovation DCS. As the support of the Ovation DCS system is a part of the annual financial plan for both Water and Sewer there are sufficient funds provided in the FY 2022 financial plan for this contract extension.

Funding Source (depending on task):

Operations and Maintenance (O&M),
Improvement & Extension (I&E)
Capital Improvement (CIP) - under allowance 170100 & program 260200

Cost Centers (depending on task):

Wastewater Process Controls (892222)
Systems Operations Control (882301)
Water Operations (882131)

Expense Types (depending on task): Tasks assigned under this contact may include:

616900 - Construction
617900 - Contractual Operating Services: Software licensing and network support
617903 - Contractual Professional Services: Ovation System Upgrades
622301 - Repairs & Maintenance: Hardware: repairs and upgrades to controls equipment
622302 - Repairs & Maintenance: Software: Process control systems support services
901100 - Capital Outlay over \$5,000 (Capitalized)

COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its meeting on July 14, 2021. The Operations and Resources Committee unanimously recommended that the GLWA Board adopt the resolution as presented.

SHARED SERVICES IMPACT

The proposed procurement of this item may be shared, in part, at the Belle Isle CSO as well as Belle

Isle, Blue Hill, Fischer, and Woodmere Pumping Stations which are shared in part by DWSD and GLWA. This item is budgeted by both entities as noted above.