



## Legislation Text

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File #: 2019-309, Version: 1

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**Contract No. 1900796**

**Rehabilitation of CSO Outfalls Phase 2**

**CIP# 260500 / BCE Score: N/A**

Agenda of: August 28, 2019

Item No.: **2019-309**

Amount: \$4,914,846.29

**TO:** The Honorable  
Board of Directors  
Great Lakes Water Authority

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

**DATE:** August 9, 2019

**RE:** **Contract No. 1900796**  
**Rehabilitation of CSO Outfalls Phase 2**  
**Vendor: LGC Global, Inc.**

### MOTION

Upon recommendation of Cheryl Porter, Chief Operating Officer - Water and Field Services, the Board of Directors (Board) of the Great Lakes Water Authority (GLWA), authorizes the Chief Executive Officer (CEO) to **enter into Contract No. 1900796 "Rehabilitation of CSO Outfalls Phase 2" with LGC Global, Inc., at a cost not to exceed \$4,914,846.29 for a duration of 16 months;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

### BACKGROUND

Pipeline Assessment and Certification (PACP) inspections for portions of outfalls B-6,

B-15, B-17, B-20, B-23, B-24, B-31, B-36, and B-45 were completed in January 2015. In combination with combined sewer overflow (CSO) frequency data, these outfalls raised concerns with the GLWA regarding their long-term structural integrity. Manual entry inspections, remote-operated vehicle (ROV) inspections, and additional CCTV inspections were completed in November 2017 through June 2018. Based on the above inspections, a repair plan was formulated. This includes rehabilitation of the above-identified outfalls including cleaning, structural repairs, regulator gate and backwater gate rehabilitation, and access hatch replacement. The nine outfalls generally function in a similar fashion, with dry

weather flow diverted to the Detroit River Interceptor (DRI), and wet weather flow allowed to outfall to the Detroit River. Outfalls B-6, B-15, and B-31 have diversion dams which redirect dry weather flow to their respective regulator chamber, where the flow is then routed to the DRI. Outfalls B-17, B-20, B-23, B-24, B-36, and B-45 have backwater gates which redirect dry weather flow to their respective regulator chambers and then to the DRI.

**JUSTIFICATION**

Inspections of the collection system outfalls by Inland Waters Pollution Control, Inc. raised concerns in many of them. Inspections revealed structural deficiencies such as fractures, missing mortar from bricks, etc. and sediment deposits in many of them. These inspection reports were further evaluated, and rehabilitation designs and construction documents were developed for CSO Outfalls B-6, B-15, B-17, B-20, B-23, B-24, B-31, B-36, and B-45 under CS-168 "Rehabilitation of GLWA Conveyance System Interceptors and Trunk Sewers." Rehabilitation of the above-identified outfalls includes cleaning, structural repairs, regulator gate rehabilitation, and access hatch replacement. Rehabilitation of the CSO outfalls is essential to properly discharge the uncontrollable combined sewer overflows to the receiving waters and to prevent sewer back up into the conveyance system.

**FINANCIAL PLAN IMPACT**

**Summary:** Sufficient funds are provided in the financial plan for this project.

**Funding Source:** Wastewater Construction Bond

**Cost Center:** Wastewater Engineering

**Expense Type:** Construction (5421-892411.000-616900-260504)

**Estimated Cost by Year and Related Estimating Variance:** See table below.

Fiscal Year

FY 2020 Budget	\$3,000,000.00
FY 2021 Budget	1,914,846.29
Financial Plan Estimate	\$4,914,846.29
Proposed Contract Award	<u>4,914,846.29</u>

The award of this contract is funded from CIP Program 260500 - CSO Outfall Rehabilitation.

**SAVINGS, COST OPTIMIZATION, AND REVENUE ENHANCEMENT IMPACT**

Cost savings are not determinable at the time of award.

**COMMITTEE REVIEW**

This item was presented to the Operations and Resources Committee at its meeting on August 14, 2019. The Operations and Resources Committee unanimously recommended that the GLWA Board adopt the resolution as presented.

**SHARED SERVICES IMPACT**

This item does not impact the shared services agreement between GLWA and DWSD.