



## Legislation Details (With Text)

**File #:** 2018-906      **Version:** 1      **Name:**  
**Type:** Resolution      **Status:** Passed  
**File created:** 9/17/2018      **In control:** Board of Directors  
**On agenda:** 9/26/2018      **Final action:** 9/26/2018  
**Title:** Contract No. GLWA-CON-219  
Proposed Change Order No. 1  
Debris Removal, Disposal, Cleaning and Flowmeter Services in  
Influent Conduit at Baby Creek CSO Facility  
**Sponsors:** Suzanne Coffey (WRRF)  
**Indexes:** Wastewater Operations  
**Code sections:**  
**Attachments:**

Date	Ver.	Action By	Action	Result
9/26/2018	1	Board of Directors	Approved	Pass

**Contract No. GLWA-CON-219**  
**Proposed Change Order No. 1**  
**Debris Removal, Disposal, Cleaning and Flowmeter Services in**  
**Influent Conduit at Baby Creek CSO Facility**

**Agenda of:** September 26, 2018  
**Item No.:** **2018-906**  
**Time:** 7-month extension to final completion date  
**Amount:** No Change

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

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

**DATE:** September 17, 2018

**RE:** **Contract No.: GLWA-CON-219**  
**Debris Removal, Disposal, Cleaning and Flowmeter Services in Influent Conduit**  
**at Baby Creek CSO Facility**  
**Vendor: LGC Global, Inc.**

## **MOTION**

Upon recommendation of Suzanne Coffey, Chief Planning Officer, Interim Chief Operating Officer - Wastewater, the Board of Directors (Board) of the Great Lakes Water Authority (GLWA), authorizes the Chief Executive Officer (CEO) to **grant an extension of seven months to the final completion date for a total contract duration of 14 months for Contract No. GLWA-CON-219, “Debris Removal, Disposal, Cleaning and Flowmeter Services in Influent Conduit at Baby Creek CSO Facility” with LGC Global, Inc.;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

## **BACKGROUND**

On February 2, 2018, Great Lakes Water Authority awarded the Contract “Debris Removal, Disposal, Cleaning and Flowmeter Services in Influent Conduit at Baby Creek CSO Facility” (GLWA-CON-219) to LGC Global, Inc. The Baby Creek CSO Facility is the second largest CSO Facility operated by GLWA in terms of wet-weather capacity (5,100 cfs). Capacity is expressed in terms of total flow volume through the facility, which includes flows that are discharged to the river, as permitted CSO discharge, additional CSO flows pass through the facility headed towards the WRRF. As such, this capacity is currently limited at the upstream end of the Baby Creek CSO facility because the dry-weather channel responsible for conveying flow to the WRRF is not capable of achieving the design flow rates for the facility due to reduced cross-sectional area (i.e. reduced capacity due to solids deposition). The dry-weather channel allows the facility to serve as a pass through during dry-weather (i.e. no pumping). This solids deposition has also caused influent flow meters for this facility to not function due to fouling. A major challenge in facilitating cleaning of this influent channel is the lack of access for personnel and equipment. The scope of work for GLWA-CON-219 project include restoring the upstream capacity to the facility by removing the debris from the channel, installing manway access points (manholes) to facilitate present and future cleaning, and rehabilitating the influent sewer flow meters to restore proper function.

## **CURRENT STATUS OF WORK**

The Contractor completed the sludge removal in August 2018. The estimated quantity of sludge in the bid was 3,500 cubic yards, however, the actual quantity removed was 1,770 cubic yards. This resulted in \$941,121 of unspent dollars. As part of the original scope of the GLWA-CON-219 project, the Contractor was required to perform the inspection and conditional assessment of the existing flow meters for \$90,000 and perform the associated flow meter repairs on an as-needed basis, paid for out of a \$250,000 allowance. The CSO Design Group and Construction Engineering Group discussed the condition and age of the existing flow meters with the flow meter vendor and determined that it is most prudent not to conduct the inspection of the flowmeters for \$90,000 and perform the repairs afterward because the flowmeters are currently not operational, and are technically obsolete. A more prudent use of the inspection related dollars in the contract is to apply this money towards a long-term solution of replacement of the flow meters to ensure a reliable flow

measuring system. As such, GLWA requested the Contractor provide a quotation for equipment and installation for the replacement of the flow meters. The Contractor submitted a cost proposal for replacing three flow meters. The proposal was negotiated and the final cost for the work is proposed at \$725,116. The Contractor also has indicated in their proposal that the lead time for getting the flowmeter is 12-16 weeks. Therefore, a seven month time extension is needed to complete the flow meter replacements. As indicated above, the contract will have an unspent amount of \$941,121. The cost for the flow meter replacement can be funded from this unspent amount with no additional funding required.

### **JUSTIFICATION**

The Baby Creek CSO Facility is a National Pollutant Discharge Elimination System (NPDES) permitted CSO discharge location. As such, there are specified operational protocols and capacities for the facility. This project is necessary to restore the facility to its required operational condition. The original required final completion date of CON-219 Contract is September 1, 2018. The sludge removal was completed before September 1, 2018, however, an additional seven months is needed to replace the flow meters. This change order is necessary to provide the additional seven months.

### **PROJECT MANAGEMENT STATUS**

A. Original Contract Amount:	\$1,688,900.00
A. Change Order No. 1 Amount:	\$0.00
A. Start Work Date:	February 1, 2018
A. Current Final Completion Date:	September 1, 2018
A. Change Order 1 Final Completion date:	March 31, 2019

### **FINANCIAL PLAN IMPACT**

Proposed change order number one is an extension of time only and has no overall financial plan impact.

### **COMMITTEE REVIEW**

This item is being presented directly to the full Board of Directors for consideration.

**SHARED SERVICES IMPACT**

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