



## Legislation Details (With Text)

**File #:** 2019-366      **Version:** 1      **Name:**  
**Type:** Resolution      **Status:** Passed  
**File created:** 9/30/2019      **In control:** Board of Directors  
**On agenda:** 10/31/2019      **Final action:** 10/31/2019  
**Title:** Proposed Change Order No. 2  
GLWA-CS-200  
Resident Project Representative and O&M Services  
**Sponsors:** Cheryl Porter, Grant Gartrell  
**Indexes:** Water Operations  
**Code sections:**  
**Attachments:** 1. CIP 114001

Date	Ver.	Action By	Action	Result
10/31/2019	1	Board of Directors	Approved	Pass
10/9/2019	1	Operations and Resources Committee	Recommended for Approval	Pass

### Proposed Change Order No. 2

#### GLWA-CS-200

#### Resident Project Representative and O&M Services

Agenda of: October 31, 2019

Item No.: **2019-366**

Amount:	Original Contract	\$ 889,785.00
	Change Order No. 1	1,056,609.00
	Proposed Change Order No. 2	200,000.00
	Total Contract Amount	\$2,146,394.00

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

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

**DATE:** October 2, 2019

**RE:** **Proposed Change Order No. 2**

**Contract No. GLWA-CS-200  
Resident Project Representative and O&M Services  
Vendor: CDM Smith**

**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. GLWA-CS-200 Change Order No. 2 “Resident Project Representative and O&M Services” with CDM Smith, at an increased cost of \$200,000.00 for a total cost not to exceed \$2,146,394.00, and an increased duration of 231 days for a total contract duration of 1,102 days;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

**BACKGROUND**

Contract No. GLWA-CS-200 is a professional engineering services contract involving construction administration, resident project representative (RPR), and operation and maintenance (O&M) manual updating services for the Springwells Water Treatment Plant (WTP) 1958 Filter Rehabilitation and Auxiliary Facilities Improvements Project. The CS-200 contract expires on November 12, 2019. The associated construction contract is Contract No. SP-563 between GLWA and the Walsh Construction Group. Construction work remaining under Contract No. SP-563 principally includes process control system startup, testing and commissioning, and completion of miscellaneous improvements such as laboratory renovation, locker room renovation, painting, and grating installation. The engineering services consultant under Contract No. CS-200 is needed to continue its oversight of the remaining construction work, in particular the process control system startup, testing and commissioning.

**JUSTIFICATION**

GLWA substantially changed the scope of the construction work as related to the process control system improvements during construction of the project. Under a separate engineering services contract (Contract No. CS-108), GLWA determined that there were necessary and critical upgrades required to its plant process control systems. The benefits of these upgrades include increased process control network reliability and redundancy. Implementation of the process control system improvements has taken longer than anticipated to complete. The process control system hardware installation work, and most of the software configuration and testing are now complete. Completion of the remaining work of the contract is expected to be in April 2020. The additional engineering services under CS-200 requested under this Change Order No. 2 are needed to continue to provide construction quality assurance and quality control during completion of this project.

**PROJECT MANAGEMENT STATUS**

Original Contract Length	450 days
Change Order No. 1	421 days
Proposed Change Order No. 2:	231 days
New Contract Length:	1,102 days

**PROJECT ESTIMATE**

Original Contract Price	\$ 889,785.00
Change Order No. 1	1,056,609.00
Proposed Change Order No. 2	200,000.00
New Contract Total	\$ 2,146,394.00

**FINANCIAL PLAN IMPACT**

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

**Funding Source:** Water Construction Bond

**Cost Center:** Water Engineering

**Expense Type:** Construction (5519-882111.000-617950-114001)

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

Original Contract Price	\$ 889,785.00
Change Order No. 1	<u>1,056,609.00</u>
Current Contract Total	1,946,394.00
Proposed Change Order No. 2	200,000.00
New Contract Total	2,146,394.00
Amended Financial Plan Estimate	<u>1,946,394.00</u>
Negative Estimating Variance	\$ (200,000.00)

The award of this change order to the vendor creates a negative estimating variance of \$200,000.00. This variance will be funded from capital reserves.

**COMMITTEE REVIEW**

This item was presented to the Operations and Resources Committee at its meeting on October 9, 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.