



## Legislation Text

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File #: 2022-339, Version: 1

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### Contract No. 2004674

### Engineering, Design, and Construction Assistance Services for North Service Center Pump Station Improvements

CIP #132016 / BCE Score: 59.4

Agenda of: August 24, 2022

Item No.: **2022-339**

Amount: \$14,831,090.36

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

**FROM:** Suzanne R. Coffey, P.E.  
Chief Executive Officer  
Great Lakes Water Authority

**DATE:** July 29, 2022

**RE:** **Contract No. 2004674**  
**Engineering, Design, and Construction Assistance Services for North Service Center Pump Station Improvements**  
**Vendor: CDM Smith Michigan, 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. 2004674 “Engineering, Design, and Construction Assistance Services for North Service Center Pump Station Improvements” with CDM Smith Michigan, Inc., at a cost not to exceed \$14,831,090.36 for a duration of 2,545 days;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

### BACKGROUND

The North Service Center Station (NSC) is located in Troy, Michigan and currently operates year-round to supply drinking water to member partner communities in Rochester Hills, Troy, Pontiac,

Utica, the 8-Mile corridor, and the service areas of the Adams Road Station and Northeast Water Treatment Plant. Under current operation, the NSC is fed primarily from the Imlay Station, which receives its water from the Lake Huron Water Treatment Plant. When necessary, the Northeast Water Treatment Plant can also be used to supply NSC. This contract provides for engineering services for design, construction administration and resident project representation during construction of a new NSC comprised of a new pump house, reservoirs, yard piping, and all associated ancillary facilities.

### **JUSTIFICATION**

The NSC was constructed in 1962 and is beyond its useful service life. A recent needs assessment completed under Contract CS-052A “Professional Engineering Services for Needs Assessment of Water Supply System Pumping Stations” identified an extensive list of station improvements needed to reliably meet the projected needs of the water supply system. A life-cycle cost analysis completed under Contract CS-052A determined that the most cost-effective solution to address the identified needs was to build a new station and reservoirs.

### **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 (5519-882411.000-617950-132016)

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

Fiscal Year	
FY 2023 Plan	\$ 454,000.00
FY 2024 Plan	954,000.00
FY 2025 Plan	954,000.00
FY 2026 Plan	1,954,000.00
FY 2027 Plan	4,954,000.00
FY 2028-2032 Plan	<u>72,216,000.00</u>
Financial Plan Estimate	\$81,486,000.00
Proposed Contract Award	<u>14,831,090.36</u>
Balance Reserved for Construction	\$66,654,909.64

**COMMITTEE REVIEW**

This item was presented to the Operations and Resources Committee at its meeting on August 10, 2022. 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.