



Legislation Text

File #: 2023-493, Version: 1

Contract No. 2304319

Drinking Water Monitoring Network Equipment Maintenance & Data Management O&M

Agenda of: January 24, 2024

Item No.: **2023-493**

Amount: \$53,934.00

TO: The Honorable
Board of Directors
Great Lakes Water Authority

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

DATE: December 29, 2023

RE: **Contract No. 2304319**
**Drinking Water Monitoring Network Equipment Maintenance & Data
Management**

Vendor: Environmental Consulting & Technology, 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. 2304319, "Drinking Water Monitoring Network Equipment Maintenance & Data Management" with Environmental Consulting & Technology Inc., at a cost not to exceed \$53,934.00 for a duration of five (5) years;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

The Huron to Erie Corridor includes the St. Clair River, Lake St. Clair, and the Detroit River. The municipal water treatment plants serving portions of Macomb, Oakland, St. Clair, and Wayne counties have successfully instituted a one-of-a-kind real-time monitoring network aimed at source water protection. The network, which is comprised of instruments detecting hydrocarbons, organic

carbon, as well as traditional physical parameters (Turbidity, pH, Temperature, Chlorophyll, Dissolved Oxygen, Conductivity and Blue Green Algae) provides an early warning system to water plant operators on raw water quality issues that may impact water treatment plant operations.

As the system is operational, the focus is to sustain the system.

GLWA is participating in the Huron to Erie Corridor Drinking Water Monitoring Network. This network includes a partnership of the drinking water plants along this corridor, Southeast Michigan Council of Governments (SEMCOG), the State of Michigan, Counties, and Wayne State University working collaboratively to protect public health and ensure coordination regarding regional water challenges.

JUSTIFICATION

GLWA agreed to contract with a local firm Environmental Consulting & Technology, Inc. (ECT) as part of a group rate to perform routine maintenance of the equipment.

This contract with ECT is to maintain raw water monitoring equipment installed at water treatment plants (GLWA's Water Works Park and Southwest treatment plants are included) drawing water from the Huron to Erie corridor. To reduce cost, GLWA has chosen to partner with nine (9) other municipalities for equipment preventive maintenance, calibrations, data management and tracking of the equipment readings online to watch for erroneous readings/equipment issues. This will provide uniform and timely maintenance with other partner utilities on the corridor.

FINANCIAL PLAN IMPACT

Summary: The proposed contract with Environmental Consulting & Technology, Inc. (ECT) encompasses Operations & Maintenance expense only. Sufficient funds are provided in the financial plan for this project.

Funding Source: Operations & Maintenance (O&M) Budget

Cost Center(s): Water Works Park (Water Operations cost center 882131)
Southwest WTP (Water Operations cost center 882161)

Expense Type(s): Contractual Operating Services (617900)

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

Fiscal Year

Amount

| | |
|-----------------------------------|--------------------|
| FY 2024 Budget (Prorated) | \$5,393.00 |
| FY 2025 Financial Plan | 10,787.00 |
| FY 2026 Financial Plan | 10,787.00 |
| FY 2027 Financial Plan | 10,787.00 |
| FY 2028 Financial Plan | 10,787.00 |
| FY 2029 Financial Plan (Prorated) | <u>5,393.00</u> |
| Financial Plan Forecast | \$53,934.00 |
| Proposed Contract Amount | <u>\$53,934.00</u> |
| Variance (positive/ (negative)) | \$0.00 |

COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its meeting on January 10, 2024. 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.