



Legislation Text

File #: 2019-271, Version: 1

Contract No. 1901155

Drinking Water Monitoring Network Equipment Maintenance & Data Management

Agenda of: July 24, 2019

Item No.: **2019-271**

Amount: \$40,000.00

TO: The Honorable
Board of Directors
Great Lakes Water Authority

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

DATE: July 3, 2019

RE: **Contract No. 1901155**
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. 1901155 “Drinking Water Monitoring Network Equipment Maintenance & Data Management” with Environmental Consulting & Technology, Inc., at a cost not to exceed \$40,000.00 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 the source water corridor 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. Since the creation of this system, the focus shifts to sustaining

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

This new intake monitoring equipment for drinking water treatment plants along the Huron to Erie corridor was purchased by the 2018 Governor’s Infrastructure Fund of \$375,000. In response to this opportunity, 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 to ensure confidence of the data generated.

This contract with ECT is to maintain raw water monitoring equipment installed at water treatment plants (including GLWA’s Water Works Park and Southwest water treatment plants) drawing water from the Huron to Erie Corridor. In order to reduce costs, GLWA has chosen to partner with ten 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. is an Operations & Maintenance expense only. The FY 2020 budget and five-year financial plan was based on the need for additional consulting services related to early warning detection systems to reduce costs. The value of the contract is within the current financial plan in total. Sufficient funds will be provided in the Operations & Maintenance (O&M) financial plan for this contract related to contractual professional services.

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 Professional Services (617903)

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

<u>Fiscal Year</u>	<u>Amount</u>
FY 2020 Budget	\$8,000
FY 2021 Financial Plan	8,000
FY 2022 Financial Plan	8,000
FY 2023 Financial Plan	8,000
FY 2024 Financial Plan	<u>8,000</u>
Financial Plan Forecast	\$40,000
Proposed Contract Amount	<u>\$40,000</u>
Variance (positive/ (negative))	\$0

SAVINGS, COST OPTIMIZATION, AND REVENUE ENHANCEMENT IMPACT

The award of this contract provides a variance of \$0 (\$40,000 financial plan forecast less \$40,000 proposed contract amount). Contractual services are dependent on several factors such as, delays in estimated start and end dates, environmental constraints, and other unforeseen circumstances that can cause the expenses to fluctuate from fiscal year to fiscal year.

COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its Special Meeting on July 24, 2019. The Operations and Resources Committee unanimously recommended that the GLWA Board adopt the resolution as presented.

SHARED SERVICES IMPACT

This service does not impact the shared services agreement between GLWA and DWSD. However, GLWA has partnered with 10 other municipalities for the service. This item only covers the GLWA's portion of the budget for the equipment at Water Works Park and Southwest Water Treatment Plant intakes.

Water Works Park and Southwest Water Treatment Plants will equally share the cost of the services.