

Non-Competitive Contract with Trojan Technologies Group ULC for the Supply of Proprietary Parts and Maintenance Services at Ashbridges Bay Treatment Plant for Toronto Water

Date: June 17, 2024

To: General Government Committee

From: General Manager, Toronto Water and Chief Procurement Officer

Wards: 14

SUMMARY

The purpose of this report is to request City Council authority to enter into a new non-competitive contract with Trojan Technologies Group ULC for the supply of proprietary parts and maintenance services for the UV Disinfection System at Ashbridges Bay Treatment Plant. This contract will commence from the date of award to March 31, 2027, for the total amount of \$1,111,867, net of all applicable taxes and charges (\$1,134,436 net of HST recoveries).

City Council approval is required in accordance with Toronto Municipal Code Chapter 195-Purchasing, where the current request exceeds the Chief Procurement Officer's authority of the cumulative five-year commitment for each supplier under Article 7, Non-competitive or Limited solicitations, Section 195-7.3(D) of the Purchasing By-law or exceeds the threshold of \$500,000 net of HST allowed under staff authority as per Toronto Municipal Code Chapter 71, Financial Control, Section 71-11A.

RECOMMENDATION

The General Manager, Toronto Water, and the Chief Procurement Officer recommend that:

1. City Council authorize the General Manager, Toronto Water, to enter into a non-competitive contract with Trojan Technologies Group ULC for the supply and delivery of proprietary parts and maintenance services for the UV disinfection system at Ashbridges Bay Treatment Plant on the following terms and conditions:

a) The term of the contract will be from the date of award to March 31, 2027, with the maximum contract price of \$1,111,867 net of all applicable taxes and charges (\$1,131,436 net of HST recoveries);

b) Trojan Technologies Group ULC continues to be the manufacturer or exclusive distributor of the parts and service; and

c) conditional upon such other terms and conditions that are satisfactory to the General Manager, Toronto Water, and in a form satisfactory to the City Solicitor

FINANCIAL IMPACT

The total potential contract value identified in this report is \$1,111,867 net of all applicable taxes and charges (\$1,131,436 net of HST recoveries). The cost calculations include a 10% contingency.

The new UV disinfection system is expected to be in operation in April, 2025 and accordingly no spending is anticipated in 2024.

Funding required for this contract award will be included in the 2025-2027 Operating Budget Submissions for Toronto Water.

Additional funding details are provided in Table 1 to follow.

Table 1: Financial Impact Summary of Recommended Contract (Net of HST Recoveries)

Forecasted Expenditures Operating Cost Centre: TW4022, Cost Element(s) 2120, 4403		
Year	Contract Period Ending December 31 2026	Total (Net of HST Recoveries)
2025	\$436,818	\$436,818
2026	\$520,964	\$520,964
2027	\$173,655	\$173,655
Total		\$ 1,131,436

The Chief Financial Officer and Treasurer has reviewed this report and agrees with the financial impact information.

DECISION HISTORY

On January, 19, 2018, the Public Works and Infrastructure Committee approved the Contract Award for Tender Call 235-2017, Contract Number 17ECS-MI-03AB, for Effluent Disinfection System at the Ashbridges Bay Treatment Plant. A copy of the Public Works and Infrastructure Committee Decision can be found at:

[Agenda Item History - 2018.PW26.3 \(toronto.ca\)](#)

COMMENTS

The UV disinfection system (UV system) equipment at Ashbridges Bay Treatment Plant was pre-selected by the City through a competitive process. It was provided, installed, and commissioned by the general contractor referenced in the decision history. Trojan Technologies Group ULC (Trojan) designed and built the custom engineered UV system at Ashbridges Bay Treatment Plant. The Trojan UV system for the plant is expected to be operational in April 2025 and will operate continuously to disinfect wastewater before it is discharged into Lake Ontario. The UV system has an estimated life span of 20 years.

Parts and maintenance services provided by the original manufacturer of the equipment, in this case, Trojan, are necessary to ensure compatibility, reliability, and adherence to the original design specifications and standards, and to guarantee the germicidal output of the UV system. Safe, reliable operation of the Trojan UV system is mandatory for regulatory compliance and, therefore, essential to the operation of the Ashbridges Bay Treatment Plant. Trojan is the only authorized service provider and distributor of the required parts.

The contract with Trojan will provide consumable part replacement and regular maintenance of the Ashbridges Bay UV system. Consumable replacement parts include: UV lamps, sleeves, electronic ballasts, wiper seals, Acti-clean Gel, and printed circuitry. Regular maintenance activities include inspection and calibration of system components such as: power distribution centres, system control centres, UV banks, UV intensity sensors, water level sensors, hydraulic system centres, and automatic removal mechanisms.

Staff have reviewed the pricing for the parts and services and have determined that the pricing is fair and reasonable.

The Fair Wage Office has reported that all recommended suppliers have reviewed and understand the Fair Wage Policy and Labour Trades requirements, and each has agreed to comply fully.

CONTACT

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SIGNATURE

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General Manager, Toronto Water

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