



REPORT FOR ACTION

Toronto Hydro Electrical Systems Limited Electrical Upgrades for TPA Off-Street Electric Vehicle Charging Program

Date: June 23, 2023

To: Board of Directors, Toronto Parking Authority

From: President, Toronto Parking Authority

Wards: All

SUMMARY

As part of its vision to become the world's best provider of sustainable parking, bike share and last mile mobility experiences, Toronto Parking Authority (TPA) is executing an ambitious rollout plan for Electric Vehicle (EV) charging across the City of Toronto. The build-out of TPA's EV charging network is well underway and is planned to grow to more than 650 EV chargers in off-street (garages and lots) and on-street Green P locations by the end of 2024. 175 EV chargers are planned for installation across 18 off-street facilities in 2023, which will bring the total number of off-street chargers in operation at TPA facilities by the end of 2023 to nearly 300.

Through the implementation of its EV Charging Program, TPA requires access to significant hydroelectrical supply to install and operate EV charging infrastructure at many of its car parks, particularly surface car parks where existing hydroelectric capacity is limited. Toronto Hydro Electrical Systems Limited (THESL) is the sole electric utility provider in the City of Toronto and the sole vendor capable of providing this critical enabling work.

To support the delivery of the 2023 EV Charging Program, TPA is seeking authority to issue a Purchase Order in the amount of \$1.0 Million, excluding Harmonized Sales Tax (HST) to THESL to support THESL's provision of the necessary hydroelectrical upgrades required for TPA's 2023 and 2024 off-street EV charging program. The scope of work covered by a prior Purchase Order issued to THESL in April of 2023 has proven to be more extensive than anticipated. Further authorities are therefore needed to provide a new Purchase Order that will allow TPA to fully deliver its 2023 Off-Street EV Charging Program.

Under TPA Policy Resolution 5-10: Delegation of Authority, TPA Board of Directors is required to provide authorization where the purchase of goods or services is proposed to be sole-sourced.

RECOMMENDATIONS

The President, Toronto Parking Authority recommends that:

1. The Toronto Parking Authority Board of Directors provide authority to the President, Toronto Parking Authority, to issue a Purchase Order to Toronto Hydro Electrical Systems Limited in the amount of \$1,000,000 excluding Harmonized Sales Tax for electrical upgrades required for the implementation of TPA's 2023 Off-street EV Charging Program.

FINANCIAL IMPACT

TPA is seeking authority to issue a Purchase Order to THESL in the amount of \$1,000,000, excluding HST, to support necessary electrical upgrades associated with the development of TPA's off-street EV charging network in 2023.

Sufficient funding for these works is available in the approved TPA 2023 Capital Budget and 2023 – 2032 Capital Plan.

DECISION HISTORY

At its meeting of March 3, 2023, TPA Board of Directors (Item PA2.3) received authority to award \$6,600,000 in EV infrastructure construction contracts to three (3) contractors to complete the installation of 175 electric vehicle chargers in 2023. The Board also provided authority to issue a Purchase Order of \$1,000,000 to THESL to provide the electrical upgrades required for the delivery of TPA's 2023 EV charging network. Refer to:

<https://secure.toronto.ca/council/agenda-item.do?item=2023.PA2.3>

At its meeting of December 12, 2022, TPA Board of Directors (Item PA1.7) received an EV Charging Deployment Update 2022-2024. Refer to:

<https://secure.toronto.ca/council/agenda-item.do?item=2023.PA1.7>

COMMENTS

TPA is executing an ambitious rollout plan for EV charging across the City of Toronto that includes the installation of 650 EV chargers in off-street (garages and lots) and on-street Green P locations by the end of 2024. The existing hydroelectrical capacity and infrastructure at many of these car parks, particularly surface car parks, is limited. As a

result, TPA is working with THESL (the sole electric utility provider in the City of Toronto) to include the required hydroelectrical upgrades as part of its 2023 and 2024 EV Charging programs.

Based on the current scope of work, it is estimated that a Purchase Order of \$1.0 M will be required. Expenditures against this Purchase Order will support grid connections (“Offer to Connect”) as well as design and construction fees delivered by THESL.

Issuance of this additional Purchase Order will help mitigate risk and expedite delivery of the planned 2023 EV charger installations at off-street TPA car parks.

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Under TPA Policy Resolution 5-10: Delegation of Authority, TPA President’s delegated authority shall not apply to any proposed agreement that that is sole sourced. These authorities continue to be problematic with electrical upgrade contracts as THESL is the sole electric utility provider in Toronto. It is anticipated that similar requests will be required in the future as TPA continues to expand its EV network throughout the city.

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SIGNATURE

W. Scott Collier, President
Toronto Parking Authority