



REPORT FOR ACTION

Contract Award – 2025 Electric Vehicle Charging Infrastructure (2024-CS-VAR-D50.1, 2024-CS-VAR-D50.2, and 2024-CS-VAR-D50.3)

Date: November 8, 2024

To: Board of Directors, Toronto Parking Authority

From: President, Toronto Parking Authority

Wards: Various

SUMMARY

During the past three years, the Toronto Parking Authority (TPA) has established Canada's largest municipally owned electric vehicle (EV) charging network, with 445 charging ports across 84 locations. During this time, we have provided over 140,000 EV charging sessions to more than 23,000 customers, and we expect to deliver close to 200,000 sessions in 2025. This blend of incremental parking and charging revenue makes the TPA EV charging program one of the few profitable EV charging programmes in North America.

In 2025, and consistent with our growth strategy, the TPA will advance its off-street EV charging portfolio by installing an additional 60 to 85 EV chargers at 13 new locations. This investment broadens our geographic footprint across the city positioning Green P as the preferred destination for EV charging in Toronto. It also increases the mix of Level 3 Fast Chargers to support emerging customer demand for faster charging options in both the B2C and B2B channels. Concurrently, and where feasible, we will selectively upgrade existing locations to better align charging capacity with evolving market trends.

This report serves two primary purposes. First, it seeks authorization from the TPA Board of Directors to award three contracts for construction services essential to the support the installation of 60 to 85 chargers at 13 new locations in 2025.

Second, and in support of the EV chargers deployments, 11 of the off-street locations require significant electrical upgrades to support the activation of the EV charging

infrastructure. As Toronto Hydro-Electric Systems Limited (THESL) is the sole authorized utility provider for this work, we are requesting approval to issue a \$2.2 million purchase order to THESL for the required upgrades.

As the TPA expands and enhances its EV charging network, we will continually assess customer demand, monitor asset performance, and remain vigilant to ensure sustainable financial performance. The aforementioned deployment strategy is aligned with the objectives prescribed in the City's EV Charging Strategic Framework led by the Environment and Climate Division. Additionally, in consultation with other city divisions and stakeholders, the TPA is developing a pipeline of locations for on-street EV charger installations. For 2025, 38 potential sites have been identified, with 5 locations already confirmed for a total of 10 chargers. This project is expected to be executed under the President's Delegation of Authority.

RECOMMENDATIONS

The President, Toronto Parking Authority recommends that:

- 1) The Board of Directors of Toronto Parking Authority provide authority to the President, Toronto Parking Authority, to award the Contractor Contract for 2024-CS-VAR-D50.1, to Energy Network Services Inc., having submitted the lowest compliant bid and meeting all specifications in conformance with the Construction Tender requirements.
- 2) The Board of Directors of Toronto Parking Authority provide authority to the President, Toronto Parking Authority, to award the Contractor Contract for 2024-CS-VAR-D50.2, to Bevcon Construction & Paving Ltd., having submitted the lowest compliant bid and meeting all specifications in conformance with the Construction Tender requirements.
- 3) The Board of Directors of Toronto Parking Authority provide authority to the President, Toronto Parking Authority, to award the Contractor Contract for 2024-CS-VAR-D50.3, to Bevcon Construction & Paving Ltd., having submitted a lowest compliant bid and meeting all specifications in conformance with the Construction Tender requirements.
- 4) The Board of Directors of Toronto Parking Authority provide authority to the President, Toronto Parking Authority, to issue a Purchase Order to Toronto Hydro Electrical Systems Limited in the amount of \$2,200,000.00 excluding HST for electrical upgrades required for the development of TPA's off-street EV charging network in 2025.

FINANCIAL IMPACT

The amount to award the Electric Vehicle Infrastructure Construction Contract for 2024-CS-VAR-D50.1 Car Parks 107, 506, 217, and 404 is \$975,284.60 plus \$292,585.38 as a contingency allowance as recommended by the consultant WSP Canada Inc., being the sum total amount of \$1,267,869.98 excluding HST awarded to Energy Services Inc.

The amount to award the Electric Vehicle Infrastructure Construction Contract for 2024-CS-VAR-D50.2 Car Parks 93, 504, 41, 411, and 650 is \$1,462,600.00 plus \$438,780.00 as a contingency allowance as recommended by the consultant Stantec Consulting Ltd., being the sum total amount of \$1,901,380.00 excluding HST awarded to Bevcon Construction & Paving Ltd.

The amount to award the Electric Vehicle Infrastructure Construction Contract for 2024-CS-VAR-D50.3 Car Parks 44, 82, 130, and 701 is \$998,700.00 plus \$299,610.00 as a contingency allowance as recommended by the consultant CIMA Canada Inc., being the sum total amount of \$1,298,310.00 excluding HST awarded to Bevcon Construction & Paving Ltd..

Additionally, it is recommended that the TPA Board of Directors provide authority to the President, TPA, to issue a purchase order to Toronto Hydro Electrical Systems Limited in the amount of \$2,200,000.00 excluding HST for electrical upgrades required for the development of TPA's off-street EV charging network in 2024.

DECISION HISTORY

At its meeting of October 9 and 10, 2024, City Council adopted the EV charging strategic framework led by the Environment and Climate Division, 2024.IE16.5 - Approach to Public Electric Vehicle (EV) Charging to 2030. Further information can be found at the link below:

<https://search.app/TnYvaLVES3Rx297s8>

At its meeting of July 19, 2024, TPA Board of Directors (Item PA 10.5) received an EV Charging YTD May 2024 update. Further information can be found at the link below:

<https://secure.toronto.ca/council/agenda-item.do?item=2024.PA10.5>

At its meeting of March 26, 2024, TPA Board of Directors (Item PA8.10) received an EV Charging First Quarter 2024 Business Review update. Further information can be found at the link below:

<https://secure.toronto.ca/council/agenda-item.do?item=2024.PA8.10>

At its meeting of October 6, 2023, TPA Board of Directors (Item PA6.7) received an EV Charging Program Third Quarter Update. Further information can be found at the link below:

<https://secure.toronto.ca/council/agenda-item.do?item=2023.PA6.7>

At its meeting of May 25, 2023, TPA Board of Directors (Item PA4.4) received an EV Charging First Quarter 2023 Business Review update. Further information can be found at the link below:

<https://secure.toronto.ca/council/agenda-item.do?item=2023.PA4.4>

At its meeting of March 3, 2023, TPA Board of Directors (Item PA2.3) received an informational update on TPA's electric vehicle charging program. Further information about this report can be found at the link below:

<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 informational update on TPA's electric vehicle charging program. Further information about this report can be found at the link below:

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

At its meeting of December 12, 2022, TPA Board of Directors (Item PA1.8) provided authority to the President, Toronto Parking Authority, to award the Electric Vehicle Charging Equipment and Related Services contract to both ChargePoint Inc. and Services Flo Inc. The total amount of the contract will not exceed \$10,618,000, excluding HST. Further information about this report can be found at the link below:

<https://secure.toronto.ca/council/agenda-item.do?item=2023.PA1.8>

At its meeting of December 12, 2022, TPA Board of Directors (Item PA1.9) provided authority to the President, Toronto Parking Authority, to enter into Vendor of Record Agreements with Stantec Consulting Ltd., WSP Canada Inc., and CIMA Canada Inc., to provide engineering design and contract administration services required for electric vehicle infrastructure construction. Further information about this report can be found at the link below:

<https://secure.toronto.ca/council/agenda-item.do?item=2023.PA1.9>

At its meeting of February 18, 2022, TPA Board of Directors (Item PA28.8) authorized staff to enter into detailed design contracts with CIMA Canada Inc. and WSP Canada Inc., each with an upside limit of \$1,000,000 (excluding HST) for consultant services to complete the design, tendering and construction administration of related to the installation of up to 500 EV chargers at nearly 30 TPA off-street locations. Further information about this report can be found at the link below:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2022.PA28.8>

COMMENTS

In 2025, the TPA will expand its off-street EV charging network by adding 60 to 85 new EV chargers across the following 13 locations: Car Parks 41, 44, 82, 93, 107, 130, 217, 404, 411, 504, 506, 650, and 701.

This expansion positions Green P as the preferred choice for EV charging in Toronto with a total of 44 “charging hubs” by the end of 2025 while advancing our efforts to reduce greenhouse gases as part of our TransformTO efforts. This investment increases the proportion of Level 3 Fast chargers to 38, representing 6% of our total EV charger assets, up from the current 23 Level 3 chargers, or 4.5%. The addition of more Level 3 chargers supports our B2B strategy by meeting the needs of transportation network and logistics companies. Furthermore, TPA data from 2024 reveals growing demand for quick top-up charging options amongst our pay-as-you-go parking customers

In December 2023, three Requests for Tender (RFT) were published on MERX, each attracting six (6) to eleven (11) submissions. Contract awards were delayed pending the finalization of an income-sharing agreement. With the agreement finalized and funding secured in June 2024, a Post-Tender Addendum was issued to the bidder in September 2024 to reaffirm pricing and confirm scope understanding. Our consultants (WSP, Stantec, and CIMA) then provided a letter of recommendation for each tender award, which was subsequently reviewed by TPA management. Tables 1 to 3 provide a summary of the bids received for each RFT. Below is management’s summary of the bids and the recommended award.

- (a) The Request for Tender (RFT) for project 2024-CS-VAR-D50.1 was published on MERX on December 5, 2023. Six (6) bids were received prior to the closing deadline of January 31, 2024. The award of this contract was delayed until clarity with the funding EV charging program was finalized with the City Council approval of the income sharing agreement for funding of the EV charging program in June 2024. A Post Tender Addendum was issued to the lowest bidder (Energy Network Services Inc.) on September 18, 2024 by TPA’s consultant, WSP Canada Inc. to reaffirm pricing, and confirm understanding of scope. A response by Energy Network Services was received by WSP Canada Inc. on September 20, 2024. A letter of recommendation award dated October 9, 2024 (See Attachment 2) by WSP Inc recommends Energy Network Service Inc to be awarded the contract 2024-CS-VAR-D50.1. The selection was guided by the fee quoted, technical capabilities of the bidder, submission requirements and acceptance of the terms and conditions noted in the RFT.

(b) The Request for Tender (RFT) for project 2024-CS-VAR-D50.2 was published on MERX on December 4, 2023. Six (6) bids were received prior to the initial closing deadline of January 31, 2024. The award of this contract was delayed until clarity with the funding EV charging program was finalized with the City Council approval of the income sharing agreement for funding of the EV charging program in June 2024. A Post-Tender Addendum revised bid form was issued to all six (6) bidders on September 13, 2024. A revised bid form was received by all six (6) bidders prior to the closing deadline of October 4, 2024. The selection was guided by the revised fee quoted, technical capabilities of the bidder, submission requirements and acceptance of the terms and conditions noted in the RFT. A letter of recommendation for award dated October 29, 2024 (Attachment 3) was provided to TPA by Stantec Consulting Ltd. with Bevcon Construction & Paving Ltd. recommended to be awarded the contract 2024-CS-VAR-D50.2. Note: Bids with a price difference of less than 1% are considered a virtual tie. Therefore, the contract was awarded to Bevcon based on technical submission.

The Request for Tender (RFT) for project 2024-CS-VAR-D50.3 was published on MERX on December 4, 2023. Eleven (11) bids were received prior to the initial closing deadline of February 2, 2024. The award of this contract was delayed until clarity with the funding EV charging program was finalized with the City Council approval of the income sharing agreement for funding of the EV charging program in June 2024. A revised bid form was issued in Post-Tender Addendum to all eleven (11) bidders on September 13, 2024 by TPA's consultant, CIMA Canada Inc. Seven (7) bids were received prior to the new closing date of October 22, 2024. The selection was guided by the revised fee quoted, technical capabilities of the bidder, submission requirements and acceptance of the terms and conditions noted in the RFT. A letter of recommendation for award dated October 29, 2024 (Attachment 4) was provided to TPA by CIMA Canada Inc. with Bevcon Construction & Paving Ltd. recommended to be awarded the contract 2024-CS-VAR-D50.3.

Table 1: Summary of Bids Received (2024-CS-VAR-D50.1– Electric Vehicle Infrastructure at CPs 217, 404, 107, and 506)

Contractor	Ranking	Bid Price (Excl HST)
Energy Network Services Inc.	1	\$975,284.60
Precise ParkLink Inc.	2	\$1,100,281.35
Bevcon Construction and Paving Ltd.	3	\$1,296,780.00
Kudlak-Baird (1982) Ltd.	4	\$1,476,653.92
Canada Construction Ltd.	5	\$1,507,015.00
Ferguson Electric Company Ltd.	6	\$1,536,502.00

Table 2: Summary of Bids Received (2024-CS-VAR-D50.2– Electric Vehicle Infrastructure at CPs 93, 504, 41, 411 and 650)

Contractor	Ranking	Bid Price (Excl HST)
Bevcon Construction & Paving Ltd.	1	\$1,462,600.00
Precise ParkLink Inc	2	\$1,526,380.76
Kudlak-Baird (1982) Ltd.	3	\$1,794,142.60
Ferguson Electric Company Ltd	4	\$2,047,200.00
Lifeline Electric	5	\$2,221,860.00
Energy Network Services Inc	6	\$2,367,301.15

Table 3: Summary of Bids Received (2024-CS-VAR-D50.3– Electric Vehicle Infrastructure at CPs 44, 82, 130, and 701)

Contractor	Ranking	Bid Price (Excl HST)
Bevcon Construction & Paving Ltd.	1	\$998,700.00
Precise ParkLink Inc.	2	\$993,758.44
Black & McDonald Ltd.	3	\$1,312,798.15
Ferguson Electric Company Ltd.	4	\$1,500,000.00

Contractor	Ranking	Bid Price (Excl HST)
Canada Construction Ltd.	5	\$1,894,300.00
Energy Network Services Inc.	6	\$1,905,392.16
Lifeline Electric	7	\$2,110,700.00

Should the Toronto Parking Authority Board of Directors adopt the recommendations in this report, TPA will notify the consultants and proceed to the contract execution stage. Project initiation is expected by mid-May 2025 with completion of the work targeted for Fourth Quarter (Q4) 2025. Commissioning of the equipment will occur before the end of the year.

CONTACT

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SIGNATURE

W. Scott Collier, President
Toronto Parking Authority

ATTACHMENTS

Attachment 1 – 2024-CS-VAR-D50.1 – WSP Bid Recommendation
Attachment 2 – 2024-CS-VAR-D50.1 – WSP Post-Tender Evaluation Letter
Attachment 3 – 2024-CS-VAR-D50.2 – Stantec Bid Recommendation
Attachment 4 – 2024-CS-VAR-D50.3 – CIMA Bid Recommendation