

## **On-Street Electric Vehicle Charging Stations - Parking Amendments (Non-Delegated Locations)**

**Date:** June 13, 2022

**To:** Toronto and East York Community Council

**From:** Director, Policy and Innovation

**Wards:** Ward 4, Parkdale-High Park; Ward 9, Davenport; Ward 12, Toronto-St. Paul's; Ward 13, Toronto Centre; Ward 14, Toronto-Danforth; Ward 19, Beaches-East York

### **SUMMARY**

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On May 25, 2022, the Infrastructure and Environment Committee adopted as amended Item IE30.11 - "On-Street Electric Vehicle Charging Stations - Pilot Conclusion and Next Steps," which among other things identified a list of seventeen (17) new on-street electric vehicle charging locations where thirty-two (32) EV charging stations would be installed on Toronto Hydro electrical and street light poles by the end of 2022.

This report outlines the parking by-law amendments required to implement the parking areas for eleven (11) of the EV charging station locations for the roll out of twenty (20) of the thirty-two (32) charging stations for which this Community Council does not have delegated authority from City Council to make a final decision. These locations have been reviewed and supported by the local Councillors.

The report, "On-Street Electric Vehicle Charging Stations - Parking Amendments (Delegated Locations)," has been submitted to the June 29, 2022 meeting of Toronto and East York Community Council to designate the required delegated parking by-law amendments for the remaining six (6) locations and twelve (12) additional EV charging stations.

### **RECOMMENDATIONS**

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The Director, Policy and Innovation recommends that:

1. Toronto and East York Community Council designate on-street electric vehicle charging station parking areas at the following locations:

- a. Annette Street, north side, from a point 36 metres west of Indian Road Crescent and a point 12 metres further west (2 spaces);

- b. Carlton Street, north side, from a point 6.5 metres west of Bleecker Street and a point 6 metres further west (1 space);
- c. Carlton Street, north side, from a point 33.2 metres east of Bleecker Street and a point 6 metres further east (1 space);
- d. Christie Street, west side, from a point 69.6 metres south of Benson Avenue and a point 12 metres further south (2 spaces);
- e. Dovercourt Road, east side, from a point 58.3 metres north of Hepbourne Street and a point 12 metres further north (2 spaces);
- f. High Park Avenue, east side, from a point 26.7 metres north of Glenlake Avenue and a point 12 metres further north (2 spaces);
- g. Jones Avenue, east side, from a point 59.9 metres north of Shudell Avenue and a point 12 metres further north (2 spaces);
- h. Jones Avenue, east side, from a point 34.9 metres north of Baird Avenue and a point 12 metres further north (2 spaces);
- i. Queen Street East, north side, from a point 22.4 metres east of Northern Dancer Boulevard and a point 12 metres further east (2 spaces);
- j. Queen Street East, north side, from a point 24.4 metres west of Rainsford Road and a point 12 metres further west (2 spaces); and
- k. Runnymede Road, east side, from a point 93.8 metres north of Annette Street and a point 12 metres further north (2 spaces)

for the exclusive use of electric vehicles and amend City of Toronto Municipal Code Chapter 950, Traffic and Parking, and City of Toronto Municipal Code Chapter 910, Parking Machines and Meters, as described in Attachment 2 of this report (June 13, 2022).

## **FINANCIAL IMPACT**

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To support the creation of the 12 new EV charging stations in 2022, Transportation Services will install new signs and pavement markings with an estimated value of \$3,125, which is part of the approved 2022 Operating Budget.

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

## DECISION HISTORY

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The Infrastructure and Environment Committee, at its meeting of May 25, 2022 adopted, as amended, Item IE30.11 entitled, "On-Street Electric Vehicle Charging Stations - Pilot Conclusion and Next Steps."

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2022.IE30.11>

## COMMENTS

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In February 2022, City Council directed staff to work with relevant stakeholders to install 17 or more additional charging stations in 2022. Toronto Hydro, the Toronto Parking Authority and Transportation Services mobilized quickly to ensure that this request could be met this year, thus establishing a refreshed approach to siting EV charging locations in an efficient manner that incorporates Councillor and resident feedback and which has set a framework for continued collaboration as expansion efforts intensify.

Staff chose to focus efforts on deploying the additional EV charging stations in areas with on-street permit parking, particularly in areas where there is an abundance of housing stock without access to private parking pads or garages. A database containing suggested locations from resident outreach was accessed and a shortlist of locations were presented to local Councillors across seven wards in the Toronto East York Community Council area. Site selection was predicated on the following criteria, namely:

- In a permit parking area with available permits (i.e., <90% capacity)
- On a street block with at least two fewer permits issued than parking spaces available
- No daytime parking restrictions or alternate side-of-street parking
- The presence of electric or street light poles located between the back of the curb and sidewalk (considered the boulevard area) and where poles are located in the sidewalk directly adjacent to the curb
- On a street that allows for the placement of two parking spaces that are ideally end-to-end (single spaces are also acceptable when the end-to-end option is not available) without encroaching on driveways, intersections, fire hydrants, or other significant encumbrances
- The location provides sufficient electrical capacity and can otherwise support the EV charge stations

Councillors were invited to supplement the shortlist with additional location requests that staff investigated for feasibility with an aim of exceeding the initial direction to install 17 or more charging stations in 2022 by instead targeting 32 charging stations.

This report outlines the parking by-law amendments required to implement the parking areas for eleven (11) of the EV charging station locations to facilitate the roll out of twenty (20) of the thirty-two (32) charging stations for which this Community Council does not have delegated authority from City Council to make a final decision.

## **New On-Street EV Charging Station Locations**

The following locations have been identified and are supported by the local Councillors for installation in 2022, with actual locations shown on the map in Attachment 1:

- a. Annette Street, north side, from a point 36 metres west of Indian Road Crescent and a point 12 metres further west (2 spaces);
- b. Carlton Street, north side, from a point 6.5 metres west of Bleecker Street and a point 6 metres further west (1 space);
- c. Carlton Street, north side, from a point 33.2 metres east of Bleecker Street and a point 6 metres further east (1 space);
- d. Christie Street, west side, from a point 69.6 metres south of Benson Avenue and a point 12 metres further south (2 spaces);
- e. Dovercourt Road, east side, from a point 58.3 metres north of Hepbourne Street and a point 12 metres further north (2 spaces);
- f. High Park Avenue, east side, from a point 26.7 metres north of Glenlake Avenue and a point 12 metres further north (2 spaces);
- g. Jones Avenue, east side, from a point 59.9 metres north of Shudell Avenue and a point 12 metres further north (2 spaces);
- h. Jones Avenue, east side, from a point 34.9 metres north of Baird Avenue and a point 12 metres further north (2 spaces);
- i. Queen Street East, north side, from a point 22.4 metres east of Northern Dancer Boulevard and a point 12 metres further east (2 spaces);
- j. Queen Street East, north side, from a point 24.4 metres west of Rainsford Road and a point 12 metres further west (2 spaces); and
- k. Runnymede Road, east side, from a point 93.8 metres north of Annette Street and a point 12 metres further north (2 spaces).

The designated EV charging station spaces will be subject to any other parking regulations in effect in the area, including the need for an on-street parking permit where and when required. In addition, parking in these spaces will be limited to a twelve (12) hour maximum period for permit parking holders, and a three (3) hour maximum period for non-permit parking holders to ensure turn-over, and users must be actively connected at all times.

The site-specific by-law amendments required to implement the EV parking areas at the locations noted above are detailed in Attachment 2 of this report, with the new regulations taking effect upon installation of the EV charging stations and regulatory signage.

## **CONTACT**

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## **SIGNATURE**

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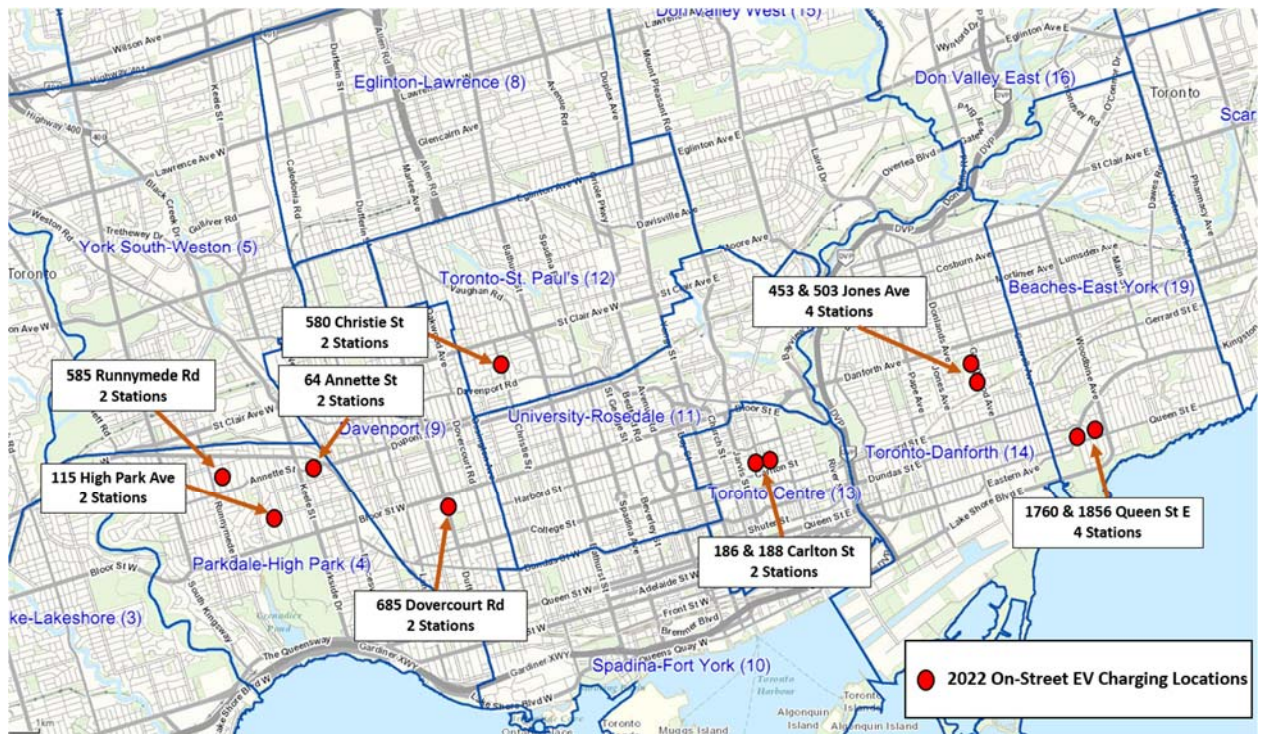
Elyse Parker  
Director, Policy and Innovation, Transportation Services

## **ATTACHMENTS**

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Attachment 1: Map of New On-Street EV Charging Locations  
Attachment 2: Required Amendments to Parking Regulations

# Attachment 1: Map of New On-Street EV Charging Locations



## Attachment 2: Required Amendments to Parking Regulations

### DELETE - Chapter 950, Schedule XV (Parking for Restricted Periods)

Highway	Side Parking	Between	Time and/or Days	Maximum Permitted Period
Dovercourt Road	East	A point 30.5 metres north of Hepbourne Street and the lane first south of Bloor Street West	8:00 a.m. to 4:00 p.m., Mon. to Fri.; 8:00 a.m. to 6:00 p.m., Sat.	1 hour

### INSERT - Chapter 950, Schedule XV (Parking for Restricted Periods)

Highway	Side Parking	Between	Time and/or Days	Maximum Permitted Period
Dovercourt Road	East	A point 30.5 metres north of Hepbourne Street and a point 58.3 metres north of Hepbourne Street	8:00 a.m. to 4:00 p.m., Mon. to Fri.; 8:00 a.m. to 6:00 p.m., Sat.	1 hour
Dovercourt Road	East	A point 70.3 metres north of Hepbourne Street and the lane first south of Bloor Street West	8:00 a.m. to 4:00 p.m., Mon. to Fri.; 8:00 a.m. to 6:00 p.m., Sat.	1 hour

**INSERT - Chapter 950, Schedule XLIV (Electric Vehicle Charging Station Parking)**

<b>Highway</b>	<b>Side Parking</b>	<b>Between</b>	<b>Hours (daily as indicated below)</b>	<b>Maximum Period Parking</b>
Annette Street	North	A point 36 metres west of Indian Road Crescent and a point 12 metres further west	Anytime	12 hours
Carlton Street	North	A point 6.5 metres west of Bleecker Street and a point 6 metres further west	Anytime	12 hours
Carlton Street	North	A point 33.2 metres east of Bleecker Street and a point 6 metres further east	Anytime	12 hours
Christie Street	West	A point 69.6 metres south of Benson Avenue and a point 12 metres further south	Anytime	12 hours
Dovercourt Road	East	A point 58.3 metres north of Hepbourne Street and a point 12 metres further north	Anytime	12 hours
High Park Avenue	East	A point 26.7 metres north of Glenlake Avenue and a point 12 metres further north	Anytime	12 hours
Jones Avenue	East	A point 59.9 metres north of Shudell Avenue and a point 12 metres further north	Anytime	12 hours
Jones Avenue	East	A point 34.9 metres north of Baird Avenue and a point 12 metres further north	Anytime	12 hours
Queen Street East	North	A point 22.4 metres east of Northern Dancer Boulevard and a point 12 metres further east	Anytime	12 hours
Queen Street East	North	A point 24.4 metres west of Rainsford Road and a point 12 metres further west	Anytime	12 hours



<b>Highway</b>	<b>Side Parking</b>	<b>Between</b>	<b>Hours (daily as indicated below)</b>	<b>Maximum Period Parking</b>
Runnymede Road	East	A point 93.8 metres north of Annette Street and a point 12 metres further north	Anytime	12 hours

**INSERT - Chapter 910, Schedule II (Parking Machine Locations Designated as Electric Vehicle Charging Stations)**

<b>Highway</b>	<b>Side Parking</b>	<b>Between</b>	<b>Hours (daily as indicated below)</b>	<b>Fee/Time Limit</b>	<b>Maximum Parking Period</b>
Carlton Street	North	A point 6.5 metres west of Bleecker Street and a point 6 metres further west	9:00 a.m. to 9:00 p.m., Mon. to Fri.; 8:00 a.m. to 9:00 p.m. Sat.; 1:00 p.m. to 9:00 p.m. Sun.	\$2.00 for 1 hour	3 hours
Carlton Street	North	A point 33.2 metres east of Bleecker Street and a point 6 metres further east	9:00 a.m. to 9:00 p.m., Mon. to Fri.; 8:00 a.m. to 9:00 p.m. Sat.; 1:00 p.m. to 9:00 p.m. Sun.	\$2.00 for 1 hour	3 hours

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Parking Period
Queen Street East	North	A point 22.4 metres east of Northern Dancer Boulevard and a point 12 metres further east	9:00 a.m. to 9:00 p.m. Mon. to Fri.; 8:00 a.m. to 9:00 p.m. Sat.; 1:00 p.m. to 9:00 p.m. Sun.	\$2.00 for 1 hour	3 hours
Queen Street East	North	A point 24.4 metres west of Rainsford Road and a point 12 metres further west	9:00 a.m. to 9:00 p.m. Mon. to Fri.; 8:00 a.m. to 9:00 p.m. Sat.; 1:00 p.m. to 9:00 p.m. Sun.	\$2.00 for 1 hour	3 hours