

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

**Date:** June 13, 2022

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

**From:** Director, Policy and Innovation

**Wards:** Ward 11, University Rosedale; 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 six (6) of the EV charging station locations for the roll out of twelve (12) of the thirty-two (32) charging stations for which this Community Council has 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 (Non-Delegated Locations)," has been submitted to the June 29, 2022 meeting of Toronto and East York Community Council to designate the required non-delegated parking by-law amendments for the remaining eleven (11) locations and twenty (20) additional EV charging stations.

In addition, this report seeks to introduce a number of parking amendments that are required for a few of the existing EV charging station locations, previously implemented or proposed as part of the on-street EV pilot, in order to align with what is currently in place and to provide further clarity to non-permit parking holders on the parking time restrictions that apply when using the EV charging spots.

## 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. Chatham Avenue, north side, from a point 28.5 metres east of Phin Avenue and a point 12 metres further east (2 spaces);
- b. Inglewood Drive, east side, from a point 57.7 metres north of Rose Park Drive and a point 12 metres further north (2 space);
- c. Riverdale Avenue, south side, from point 86 metres east of Carlaw Avenue and a point 12 metres further east (2 spaces);
- d. Roseheath Avenue, east side, from a point 23 metres south of Merrill Avenue West and a point 12 metres further south (2 spaces);
- e. Shaw Street, east side, from a point 134.9 metres south of Bloor St West and a point 12 metres further south (2 spaces); and
- f. Strathmore Boulevard, south side, from a point 59.3 metres west of Woodbine Avenue and a point 12 metres further west (2 spaces)

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

2. Toronto and East York Community Council approve the technical amendments to City of Toronto Municipal Code Chapters 950, Parking and Traffic and 910, Parking Machines and Meters, as detailed on pages 4 and 5 of this report (June 13, 2022) and 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 \$1,875, 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 six (6) of the EV charging station locations to facilitate the roll out of twelve (12) of the thirty-two (32) charging stations for which this Community Council has 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. Chatham Avenue, north side, from a point 28.5 metres east of Phin Avenue and a point 12 metres further east (2 spaces);
- b. Inglewood Drive, east side, from a point 57.7 metres north of Rose Park Drive and a point 12 metres further north (2 space);
- c. Riverdale Avenue, south side, from point 86 metres east of Carlaw Avenue and a point 12 metres further east (2 spaces);
- d. Roseheath Avenue, east side, from a point 23 metres south of Merrill Avenue West and a point 12 metres further south (2 spaces);
- e. Shaw Street, east side, from a point 134.9 metres south of Bloor St West and a point 12 metres further south (2 spaces); and
- f. Strathmore Boulevard, south side, from a point 59.3 metres west of Woodbine Avenue and a point 12 metres further west (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 three (3) hours 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 new 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.

## **Technical Amendments to Parking Regulations - Existing EV Charging Locations**

There are a number of parking amendments that are required for a few of the existing EV charging station locations in order to align with what is currently in place and to provide further clarity to non-permit parking holders on the parking time restrictions that apply when using the EV charging spots.

EV charging stations that were implemented previously as part of the on-street pilot on Palmerston Avenue (On the west side, a point 21.6 metres north of the lane first north of Queen Street West and a point 12 metres further north) and Shaw Street (On the east side, a point 51 metres south of Dundas Street West and a point 12 metres further south) require an adjustment to the one-hour restricted time period as it should only apply to the limits outside of the existing EV charging spots. Within the EV charging spots, the time limit for non-permit parking holders would be a three (3) hour maximum

period rather than the current one (1) hour, which would then ensure that the time limit is consistent with the other similar EV charging spots already implemented.

In addition, the two EV charging spots located on Elizabeth Street within a pay and display area have the incorrect limits included in City of Toronto Municipal Code Chapters 950, Traffic and Parking and 910, Parking Machines and Meters. Approving this technical amendment would more accurately reflect what is currently in place.

Also, there were to have been two EV charging spots installed on Ed Mirvish Way, as part of the original on-street EV pilot, which were by-lawed but never implemented due to the impending redevelopment of the property adjacent to these spots. There is no intention to move forward with this location, which is located just north of King Street West on the east side of Ed Mirvish Way. Therefore it is recommended that City of Toronto Municipal Chapter 950, Traffic and Parking be amended to remove this location.

The by-law amendments required for all of the technical changes noted above are detailed in Attachment 2 of this report.

## **CONTACT**

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## **SIGNATURE**

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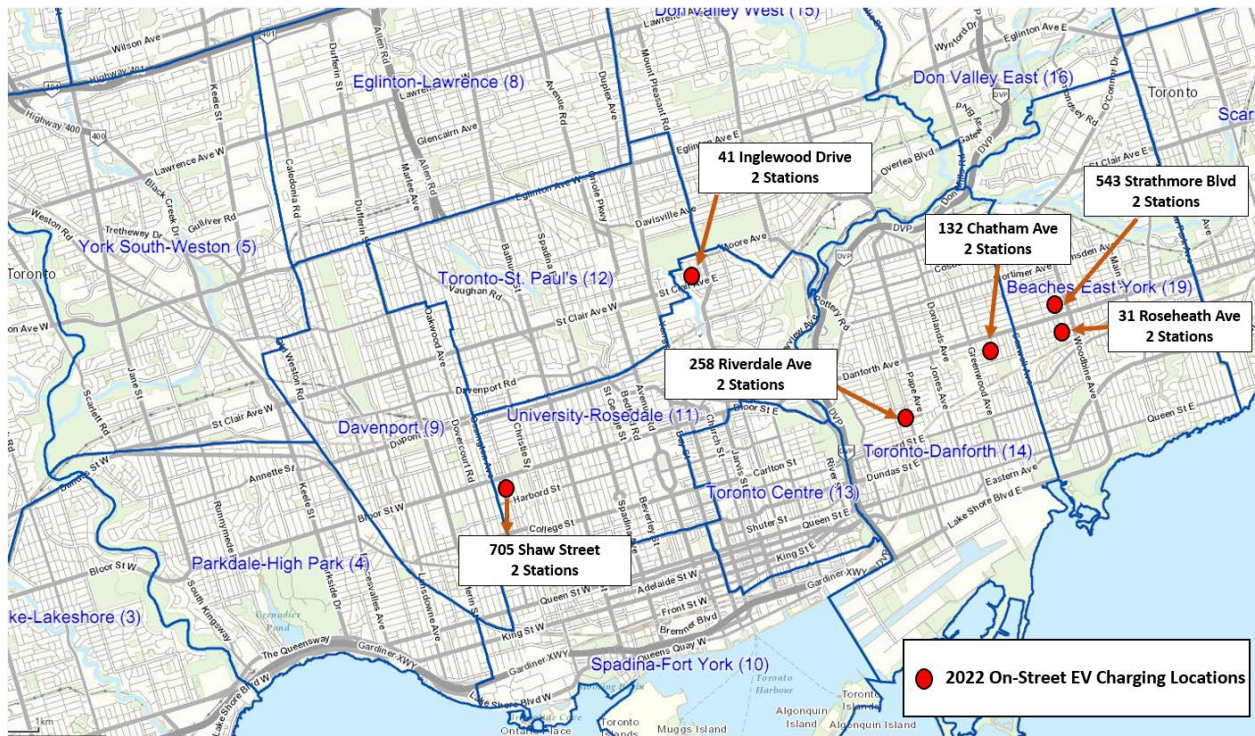
Elyse Parker  
Director, Policy and Innovation, Transportation Services

## **ATTACHMENTS**

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

# Attachment 1: Map of 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
Chatham Avenue	North	Phin Avenue and Byron Avenue	8:00 a.m. to 6:00 p.m., Mon. to Sat.	1 hour
Inglewood Drive	Both	St. Clair Avenue East (west intersection) and Heath Street East (west leg)	10:00 a.m. to 6:00 p.m., Mon. to Sat.	1 hour
Palmerston Avenue	West	The lane first north of Queen Street West and a point 50 metres south of Robinson Street	8:00 a.m. to 6:00 p.m.	1 hour
Shaw Street	East	Argyle Street and Dundas Street West	8:00 a.m. to 6:00 p.m.	1 hour
Strathmore Boulevard	South	A point 76 metres east of Coxwell Avenue and a point 27 metres west of Woodbine Avenue	8:00 a.m. to 6:00 p.m., Mon. to Fri.	1 hour

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

Highway	Side Parking	Between	Time and/or Days	Maximum Permitted Period
Chatham Avenue	North	Phin Avenue and a point 28.5 metres east	8:00 a.m. to 6:00 p.m., Mon. to Sat.	1 hour
Chatham Avenue	North	A point 40.5 metres east of Phin Avenue and Byron Avenue	8:00 a.m. to 6:00 p.m., Mon. to Sat.	1 hour

<b>Highway</b>	<b>Side Parking</b>	<b>Between</b>	<b>Time and/or Days</b>	<b>Maximum Permitted Period</b>
Inglewood Drive	East	St. Clair Avenue East (west intersection) and a point 57.7 metres north of Rose Park Drive	10:00 a.m. to 6:00 p.m., Mon. to Sat.	1 hour
Inglewood Drive	East	A point 69.7 metres north of Rose Park Drive and Heath Street East (west leg)	10:00 a.m. to 6:00 p.m., Mon. to Sat.	1 hour
Inglewood Drive	West	St. Clair Avenue East (west intersection) and Heath Street East (west leg)	10:00 a.m. to 6:00 p.m., Mon. to Sat.	1 hour
Palmerston Avenue	West	The lane first north of Queen Street West and a point 21.6 metres further north	8:00 a.m. to 6:00 p.m.	1 hour
Palmerston Avenue	West	A point 33.6 metres north of the lane first north of Queen Street West and a point 50 metres south of Robinson Street	8:00 a.m. to 6:00 p.m.	1 hour
Shaw Street	East	Argyle Street and a point 63 metres south of Dundas Street West	8:00 a.m. to 6:00 p.m.	1 hour
Shaw Street	East	A point 51 metres south of Dundas Street West and Dundas Street West	8:00 a.m. to 6:00 p.m.	1 hour
Strathmore Boulevard	South	A point 76 metres east of Coxwell Avenue and a point 71.3 metres west of Woodbine Avenue	8:00 a.m. to 6:00 p.m., Mon. to Fri.	1 hour
Strathmore Boulevard	South	A point 59.3 metres west of Woodbine Avenue and a point 27 metres west of Woodbine Avenue	8:00 a.m. to 6:00 p.m., Mon. to Fri.	1 hour



**DELETE** - 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>
Ed Mirvish Way		East	A point 24 metres north of King Street West and a point 11 metres further north	Anytime	3 hours
Elizabeth Street		East	A point 9 metres south of Foster Place and a point 5.5 metres further south	Anytime	3 hours

**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>
Chatham Avenue	North	A point 28.5 metres east of Phin Avenue and a point 12 metres further east	Anytime	12 hours
Elizabeth Street	East	A point 9 metres south of Foster Place and a point 12 metres further south	Anytime	3 hours
Inglewood Drive	East	A point 57.7 metres north of Rose Park Drive and a point 12 metres further north	Anytime	12 hours
Riverdale Avenue	South	A point 86 metres east of Carlaw Avenue and a point 12 metres further east	Anytime	12 hours
Roseheath Avenue	East	A point 23 metres south of Merrill Avenue West and a point 12 metres further south	Anytime	12 hours

Highway	Side Parking	Between	Hours (daily as indicated below)	Maximum Period Parking
Shaw Street	East	A point 134.9 metres south of Bloor St West and a point 12 metres further south	Anytime	12 hours
Strathmore Boulevard	South	A point 59.3 metres west of Woodbine Avenue and a point 12 metres further west	Anytime	12 hours

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

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Parking Period
Elizabeth Street	East	A point 9 metres south of Foster Place and a point 5.5 metres further south	8:00 a.m. to 9:00 p.m., Mon. to Sat.; 1:00 p.m. to 9:00 p.m. Sun.	\$4.00 for 1 hour	3 hours

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

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Parking Period
Elizabeth Street	East	A point 9 metres south of Foster Place and a point 12 metres further south	8:00 a.m. to 9:00 p.m., Mon. to Sat.; 1:00 p.m. to 9:00 p.m. Sun.	\$5.00 for 1 hour	3 hours