

Residential On-Street Electric Vehicle Charging Stations - Parking Amendments – Non-Delegated Location

Date: May 20, 2018
To: Toronto and East York Community Council
From: Acting Director, Transportation Infrastructure Management
Wards: Ward 30 - Toronto-Danforth

SUMMARY

In November 2017, City Council adopted as amended PW24.7 - "Preparing Toronto for Electric Vehicles" which included the installation of on-street electric vehicle (EV) charging stations at seven (7) locations, on a pilot basis, to enable Toronto Hydro to utilize electrical and street light poles.

This report outlines the non-delegated parking by-law amendments required to implement the parking area associated with one (1) EV charging station location included in this pilot project.

This report also outlines the amendments required to the text of City of Toronto Municipal Code Chapter 925, Permit Parking, and City of Toronto Municipal Code Chapter 950, Traffic and Parking, to implement the pilot in residential permit parking areas.

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

RECOMMENDATIONS

The Acting Director, Transportation Infrastructure Management, recommends that:

1. City Council amend section 925-5N of City of Toronto Municipal Code Chapter 925, Permit Parking, by adding a new section (1.3) generally as follows:

(1.3) In addition to Subsection N(1) and despite the temporal parking duration

limit exemption in Subsection Q, where a portion of a highway set out in Schedule A to this chapter or a portion of a highway included within the parameters of a portion of a highway set out in Schedule A to this chapter is also set out in Schedule XLIV, Electric Vehicle Charging Station Parking, in § 950-1343 to Code Chapter 950, Traffic and Parking, there must also be compliance with Subsection 950-400I of Code Chapter 950.

2. City Council amend section 925-5Q of City of Toronto Municipal Code Chapter 925, Permit Parking, by adding the phrase ", except as set out in Subsection N(1.3)."

3. City Council amend section 950-400 of City of Toronto Municipal Code Chapter 950, Traffic and Parking, by adding a new section J generally as follows:

J. In addition to Subsection I, where a portion of a highway set out in Schedule XLIV, Electric Vehicle Charging Station Parking, in § 950-1343 is also set out or included within the parameters of a portion of a highway set out in Schedule A, Permit Parking, to Code Chapter 925, Permit Parking, the provisions of Subsection 925-5N of Chapter 925 must also be complied with during the times set out in the 5th Column adjacent to the name of the road in Schedule A to Chapter 925.

4. City Council designate a residential on-street electric vehicle charging station parking area (two spaces) for the exclusive use of electric vehicles on Commissioners Street, north side, from a point 122.3 metres east of Carlaw Avenue to a point 12 metres further east, adjacent to the Toronto Hydro main service centre, and amend City of Toronto Municipal Code Chapter 950, Traffic and Parking, as set out in Attachment 1 to this report (May 20, 2018).

FINANCIAL IMPACT

The cost of implementing the Residential On-street EV Charging Station pilot will be borne by Toronto Hydro through the provision of one (1) EV charging station at the location contained within this report.

Funding for the accompanying signage and pavement markings required to delineate the associated on-street parking spaces, amounting to \$1,000, is available within Transportation Services' 2018 Operating Budget.

DECISION HISTORY

City Council, at its meeting of November 7, 8 and 9, 2017 adopted, as amended, the Public Works and Infrastructure Committee Item PW24.7 entitled, "Preparing Toronto for Electric Vehicles."

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2017.PW24.7>

COMMENTS

The Residential On-Street EV Charging Station pilot will provide charging stations at six (6) locations to serve a total of eleven (11) EV parking spaces in residential permit parking areas with limited opportunity on private property for charging personal EVs.

One (1) EV charging station location will also be provided outside Toronto Hydro's facilities at 500 Commissioners Street, within an industrial area with available on-street parking used by employees and visitors. Charging stations at this location will allow Toronto Hydro to promote and directly monitor the functionality of the charging station operations associated with the pilot. This is not a permit parking location.

This pilot will be accomplished by deploying EV charging stations on electrical and street light poles owned by Toronto Hydro with direct access to on-street spaces that would be designated for this purpose. The EV spaces will require users to pay Toronto Hydro an hourly rate that will be established by Toronto Hydro.

The designated EV charging station spaces will be subject to any other parking regulations in effect in the area. In addition, parking in these spaces will be limited to a twelve (12) hour maximum period, 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 area at the non permit parking location on Commissioners Street are detailed in Attachment 1 of this report, with the new regulations taking effect upon installation of the EV charging stations and regulatory signage.

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SIGNATURE

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ATTACHMENTS

Attachment 1: Required Amendments to Parking Regulations

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Delete - No Parking

Highway	Side	Between	Prohibited Times and/or Days
Commissioners Street	Both	Carlaw Avenue and a point 165 metres east	Anytime

Insert - No Parking

Highway	Side	Between	Prohibited Times and/or Days
Commissioners Street	North	Carlaw Avenue and a point 122.3 metres east	Anytime
Commissioners Street	North	A point 134.3 metres east of Carlaw Avenue and a point 30.7 metres further east	Anytime
Commissioners Street	South	Carlaw Avenue and a point 165 metres east	Anytime

Insert - Electric Vehicle Charging Station Parking

Highway	Side Parking	Between	Hours (daily as indicated below)	Maximum Period Parking
Commissioners Street	North	A point 122.3 metres east of Carlaw Avenue and a point 12 metres further east	Anytime	12 hours