

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

Date: June 6, 2023

To: Toronto and East York Community Council

From: Director, Policy and Innovation, Transportation Services

Wards: Ward 4 - Parkdale-High Park; Ward 10 - Spadina-Fort York; Ward 11 - University-Rosedale; Ward 14 -Toronto-Danforth; Ward 19 - Beaches-East York

SUMMARY

This report outlines the parking by-law amendments required to implement the parking areas for eighteen (18) EV charging station locations, for the roll out of thirty-four (34) charging stations. These locations have been reviewed and supported by the local Councillors.

As the Toronto Transit Commission (TTC) operates a transit service on the highways mentioned in this report, City Council approval of this report is required.

The report, "On-Street Electric Vehicle Charging Stations on Fulton Avenue - Parking Amendment (Delegated Location)," has been submitted to the June 22, 2023 meeting of Toronto and East York Community Council to designate the required delegated parking by-law amendment for the Fulton Avenue location to implement two (2) EV charging stations.

RECOMMENDATIONS

The Director, Policy and Innovation recommends that:

1. City Council designate on-street electric vehicle charging station parking areas at the following locations:

a. Carlaw Street, west side, from a point 30.8 metres south of Colgate Avenue, and 12 metres further south (2 spaces);

b. Christie Street, east side, from a point 26.4 metres north of Epworth Manse Lane and a point 12 metres further north (2 spaces);

- c. Dundas Street East, south side, from a point 31.6 metres east of Billings Avenue and a point 12 metres further east (2 spaces);
- d. Dundas Street West, west side, from a point 117.6 metres south of Bloor Street West and a point 12 metres further south (2 spaces);
- e. Dundas Street West, west side, from a point 186 metres south of Bloor Street West and 12 metres further south (2 spaces);
- f. Gerrard Street East, south side, from a point 21.2 metres east of Redwood Avenue and a point 12 metres further east (2 spaces);
- g. Gerrard Street East, south side, from a point 52.3 metres east of Main Street and a point 12 metres further east(2 spaces);
- h. Gerrard Street East, south side, from a point 61 metres east of Pape Avenue and a point 12 metres further east (2 spaces);
- i. Gerrard Street East, south side, from a point 42.3 metres east of Kimberly Avenue and a point 6 metres further east (1 space);
- j. King Street West, north side, from a point 31.4 metres east of Gwynne Avenue and a point 12 metres further east (2 spaces);
- k. Kingston Road, north side, from a point 51.2 metres east of Pickering Street and a point 12 metres further east (2 spaces);
- l. Ossington Avenue, east side, from a point 23.1 metres north of Baden Street and a point 12 metres further north (2 spaces);
- m. Queen Street East, north side, from a point 19.8 metres west of Brookmount Road and a point 12 metres further west (2 spaces);
- n. Queen Street East, south, from a point 24.5 metres east of Waverley Road and a point 6 metres further east (1 space);
- o. Queen Street East, north side from a point 25.8 metres east of Craven Road, and a point 12 metres further west (2 spaces);
- p. Queen Street West, south side, from a point 44.9 metres east of Fennings Street and a point 12 metres further east (2 spaces);
- q. Queen Street East, south side, from a point 36.4 metres east of Glen Manor Drive and a point 12 metres further east (2 spaces); and
- r. Roncesvalles Avenue, west side, from a point 43.5 metres south of Hewitt Avenue and a point 12 metres further south (2 spaces),

for the exclusive use of electric vehicles and amend City of Toronto Municipal Code Chapters 910, Parking Machines and Meters and Chapter 950, Traffic and Parking, as described in Attachment 2 of this report (June 6, 2023).

FINANCIAL IMPACT

All costs associated with the installation of the new EV charging stations, including signage and pavement markings will be borne by the Toronto Parking Authority

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

DECISION HISTORY

Toronto City Council, at its meeting of June 15 and 16, 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

City Council at its meeting on June 15 and 16, 2022 requested the Board of Directors of Toronto Parking Authority to work with the General Manager, Transportation Services, Toronto Hydro and relevant stakeholders to install a minimum of 50 on-street electric vehicle chargers by the end of 2023.

Transportation Services staff, with the assistance of Toronto Parking Authority and Toronto Hydro, have been working together to identify suitable locations to deploy EV charging stations primarily in locations with Pay and Display machines, but may also include locations designated for permit parking.

An inventory of locations, identified by staff and through resident outreach were considered and a shortlist of locations was presented to local Councillors 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)
- Pay and Display machines within Business Improvement Areas
- 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 EV dispensers ideally end-to-end on a single pole for two changing spots (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

This report outlines the parking by-law amendments required to implement the parking areas for eighteen (18) of the EV charging station locations to facilitate the roll out of thirty-four (34) EV charging stations for which City Council has authority to make a final decision.

Additional On-Street EV Charging Station Locations

The following locations have been identified and are supported by the local Councillors for installation in 2023, with actual locations shown on the map in Attachment 1:

- a. Carlaw Street, west side, from a point 30.8 metres south of Colgate Avenue, and 12 metres further south (2 spaces);
- b. Christie Street, east side, from a point 26.4 metres north of Epworth Manse Lane and a point 12 metres further north (2 spaces);
- c. Dundas Street East, south side, from a point 31.6 metres east of Billings Avenue and a point 12 metres further east (2 spaces);
- d. Dundas Street West, west side, from a point 117.6 metres south of Bloor Street West and a point 12 metres further south (2 spaces);
- e. Dundas Street West, west side, from a point 186 metres south of Bloor Street West and 12 metres further south (2 spaces);
- f. Gerrard Street East, south side, from a point 21.2 metres east of Redwood Ave and a point 12 metres further east (2 spaces);
- g. Gerrard Street East, south side, from a point 52.3 metres east of Main Street and a point 12 metres further east (2 spaces);
- h. Gerrard Street East, south side, from a point 61 metres east of Pape Avenue and a point 12 metres further east (2 spaces);
- i. Gerrard Street East, south side, from a point 42.3 metres east of Kimberly Avenue and a point 6 metres further east (1 space);
- j. King Street West, north side, from a point 31.4 metres east of Gwynne Avenue and a point 12 metres further east (2 spaces);
- k. Kingston Road, north side, from a point 51.2 metres east of Pickering Street and a point 12 metres further east (2 spaces);
- l. Ossington Avenue, east side, from a point 23.1 metres north of Baden Street and a point 12 metres further north (2 spaces);

m. Queen Street East, north side, from a point 19.8 metres west of Brookmount Road and a point 12 metres further west (2 spaces);

n. Queen Street East, south, from a point 24.5 metres east of Waverley Road and a point 6 metres further east (1 space);

o. Queen Street East, north side from a point 25.8 metres east of Craven Road, and a point 12 metres further west (2 spaces);

p. Queen Street West, south side, from a point 44.9 metres east of Fennings Street and a point 12 metres further east (2 spaces);

q. Queen Street East, south side, from a point 36.4 metres east of Glen Manor Drive and a point 12 metres further east (2 spaces); and

r. Roncesvalles Avenue, west side, from a point 43.5 metres south of Hewitt Avenue and a point 12 metres further south (2 spaces).

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 three (3) hours maximum period, in accordance with pay and display parking machine regulations, 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 listed 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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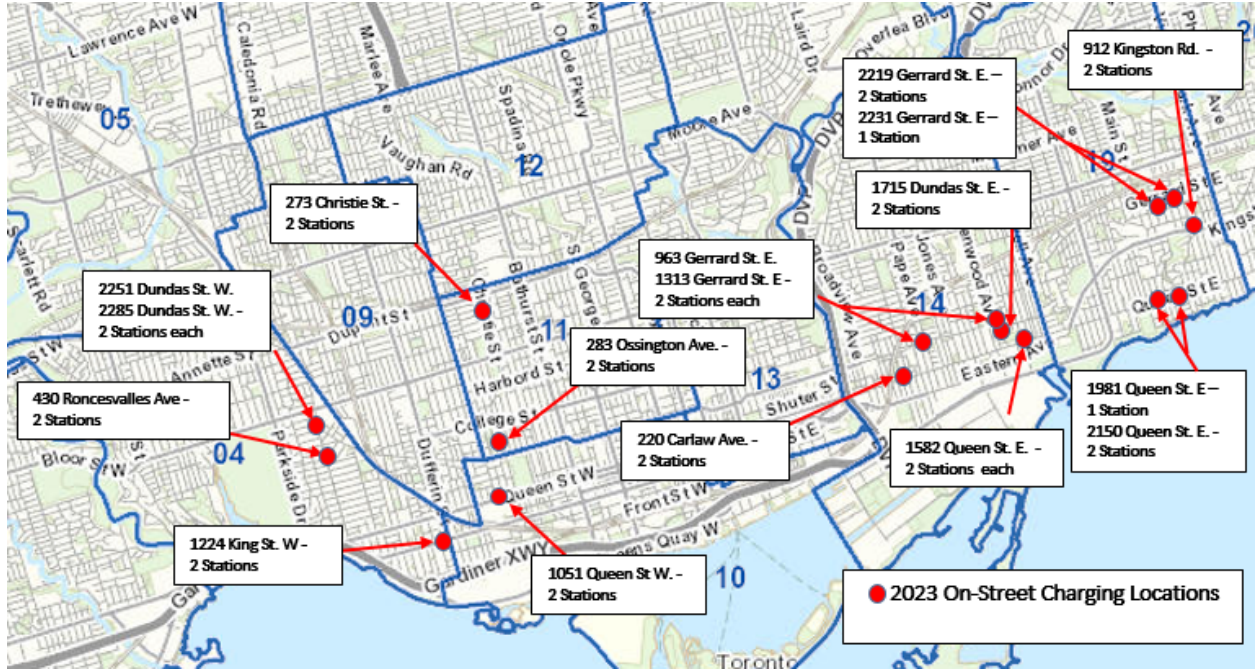
Elyse Parker
Director, Policy & Innovation,
Transportation Services

ATTACHMENTS

Attachment 1: Map of On-Street EV Charging Locations

Attachment 2: Required Amendments to Parking Regulation for EV Charging Stations

Attachment 1: Map of On-Street EV Charging Locations



Attachment 2: Required Amendments to Parking Regulation for EV Charging Stations

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
Carlaw Avenue	West	A point 30.8 metres south of Colgate Avenue, and 12 metres further south	9:00 a.m. to 6:00 p.m., Mon. to Sat.; 1:00 p.m. to 6:00 p.m. Sun.	\$3.00 for 1 hour	3 hours
Christie Street	East	A point 26.4 metres north of Epworth Manse Lane and a point 12 metres further north	8:00 a.m. to 9:00 p.m., Mon. to Sat.; 1:00 p.m. to 9:00 p.m. Sun.	\$2.00 for 1 hour	3 hours
Dundas Street West	West	A point 117.6 metres south of Bloor Street West and 12 metres further south	9:00 a.m. to 4:00 p.m., Mon. to Fri.; 8:00 a.m. to 6:00 p.m. Sat.	\$2.00 for 1 hour	3 hours
Dundas Street West	West	A point 186 metres south of Bloor Street West and 12 metres further south	9:00 a.m. to 4:00 p.m., Mon. to Fri.; 8:00 a.m. to 6:00 p.m. Sat.	\$2.00 for 1 hour	3 hours
Gerrard Street East	South	A point 21.2 metres east of Redwood Avenue and a point 12 metres further east	8:00 a.m. to 4:00 p.m., Mon. to Fri.; 8:00 a.m. to 6:00 p.m., Sat.	\$2.00 for 1 hour	3 hours

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Parking Period
Gerrard Street East	South	A point 61 metres east of Pape Avenue and a point 12 metres further east	8:00 a.m. to 4:00 p.m., Mon. to Fri.; 8:00 a.m. to 6:00 p.m., Sat.	\$2.00 for 1 hour	3 hours
King Street West	North	A point 31.4 metres east of Gwynne Avenue and a point 12 metres further east	10:00 a.m. to 3:00 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.	\$3.00 for 1 hour	3 hours
Kingston Road	North	A point 51.2 metres east of Pickering Street and a point 12 metres further east	10:00 a.m. to 6:00 p.m. Mon. to Fri.; 8:00 a.m. to 6:00 p.m. Sat.	\$2.00 for 1 hour	3 hours
Queen Street East	North	A point 19.8 metres west of Brookmount 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
Queen Street East	North	A point 25.8 metres east of Craven 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

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Parking Period
Queen Street East	South	A point 36.4 metres east of Glen Manor Drive 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.	\$3.00 for 1 hour	3 hours
Queen Street East	South	A point 24.7 metres east of Waverley Road and a point 6 metres further east	8:00 a.m. to 3:30 p.m. and 6:30 p.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.	\$3.00 for 1 hour	3 hours
Queen Street West	South	A point 44.9 metres east of Fennings Street and a point 12 metres further east	10:00 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.	\$3.00 for 1 hour	3 hours
Roncesvalles Avenue	West	A point 43.5 metres south of Hewitt Avenue 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.	\$2.00 for 1 hour	3 hours

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

Highway	Side Parking	Between	Hours (daily as indicated below)	Maximum Period Parking
Carlaw Avenue	West	A point 30.8 metres south of Colgate Avenue and 12 metres further south	Anytime	3 hours
Christie Street	East	A point 26.4 metres north of Epworth Manse Lane and a point 12 metres further north	Anytime	3 hours
Dundas Street East	South	A point 31.6 metres east of Billings Avenue and a point 12 metres further east	Anytime	3 hours
Dundas Street West	West	A point 117.6 metres south of Bloor Street West and 12 metres further south	Anytime	3 hours
Dundas Street West	West	A point 186 metres south of Bloor Street West and 12 metres further south	Anytime	3 hours
Gerrard Street East	South	A point 21.2 metres east of Redwood Avenue and a point 12 metres further east	Anytime	3 hours
Gerrard Street East	South	A point 42.3 metres east of Kimberley Avenue and a point 6 metres further east	Anytime	3 hours
Gerrard Street East	South	A point 52.3 metres east of Main Street and a point 12 metres further east	Anytime	3 hours
Gerrard Street East	South	A point 61 metres east of Pape Avenue and a point 12 metres further east	Anytime	3 hours
King Street West	North	A point 31.4 metres east of Gwynne Avenue and a point 12 metres further east	Anytime	3 hours
Kingston Road	North	A point 51.2 metres east of Pickering Street and a point 12 metres further east	Anytime	3 hours

Highway	Side Parking	Between	Hours (daily as indicated below)	Maximum Period Parking
Ossington Avenue	East	A point 23.1 north of Baden Street and a point 12 metres further north	Anytime	3 hours
Queen Street East	North	A point 19.8 metres west of Brookmount Road and a point 12 metres further west	Anytime	3 hours
Queen Street East	North	A point 25.8 metres east of Craven Road, and a point 12 metres further west	Anytime	3 hours
Queen Street East	South	A point 24.5 metres east of Waverley Road and a point 6 metres further east	Anytime	3 hours
Queen Street East	South	A point 36.4 metres east of Glen Manor Road and a point 12 metres further east	Anytime	3 hours
Queen Street West	South	A point 44.9 metres east of Fennings Street and a point 12 metres further east	Anytime	3 hours
Roncesvalles Avenue	West	A point 43.5 metres south of Hewitt Avenue and a point 12 metres further south	Anytime	3 hours