

# Report to Committee

To:

General Purposes Committee

Date:

November 20, 2019

From:

Re:

Peter Russell

File:

10-6460-03/2019-Vol 01

Director, Sustainability and District Energy

Parking Stall Fees at City-Owned Electric Vehicle Charging Stations

#### **Staff Recommendations**

- 1. That, as described in the staff report titled, "Parking Stall Fees at City-Owned Electric Vehicle Charging Stations" dated November 20, 2019, from the Director, Sustainability and District Energy, a cost recovery approach for public electric vehicle charging be introduced, and:
- 2. That each of the following Bylaws be introduced and given first, second and third readings in order to implement parking stall fees, including new ticketing provisions:
  - a) Consolidated Fees Bylaw No. 8636, Amendment Bylaw No. 9926;
  - b) Traffic Bylaw No. 5870, Amendment Bylaw No. 9924;
  - c) Parking (Off-Street) Regulation Bylaw No. 7403, Amendment Bylaw No. 9923; and
  - d) Notice of Bylaw Violation Dispute Adjudication Bylaw No. 8122, Amendment Bylaw No. 9925.
- 3. That the Consolidated 5 Year Financial Plan (2020-2024) be amended accordingly.
- 4. That the creation of a PCC and regular full-time position be brought forward for consideration in the 2021 budget process following analysis of operational demand in 2020.

Peter Russell Director, Sustainability and District Energy (604-276-4130)

Att. 2

|  | REPORT CONCURRE | ENCE                           |
|--|-----------------|--------------------------------|
| ROUTED TO:   | CONCURRENCE     | CONCURRENCE OF GENERAL MANAGER |
| Law Fleet Finance Community Bylaws Transportation Communications |                 | Jehn hing                      |
| REVIEWED BY STAFF REPORT /<br>AGENDA REVIEW SUBCOMMITTEE         | INITIALS:       | APPROVED BY SAO                |

### **Staff Report**

### Origin

During the May 18, 2018 Council meeting, Council made the following referral:

(3) a cost recovery approach to impose user fees and time limits for publicly accessible electric vehicle charging stations be endorsed as outlined in the report, and that staff be directed to bring forward amendments to the Consolidated Fees Bylaw No. 8636, the Traffic Bylaw No. 5870, Parking (Off-Street) Regulation Bylaw No. 7403, and the Notice of Bylaw Violation Dispute Adjudication Bylaw No. 8122 to implement this cost recovery approach".

This report supports Council's Strategic Plan 2018-2022 Strategy #2 A Sustainable and Environmentally Conscious City:

Environmentally conscious decision-making that demonstrates leadership in implementing innovative, sustainable practices and supports the City's unique biodiversity and island ecology.

- 2.1 Continued leadership in addressing climate change and promoting circular economic principles.
- 2.2 Policies and practices support Richmond's sustainability goals.

Richmond's 2014 Community Energy and Emissions Plan (CEEP) outlines strategies and actions for the City to reduce community energy use and GHG emissions, including:

- Strategy 7: Promote Low Carbon Personal Vehicles; and,
- Action 19: Continue expanding the City-owned network of electric vehicle (EV) charging stations.

Modeling undertaken as part of the CEEP indicates Richmond's 2050 emissions reduction targets can only be achieved with the near-universal adoption of zero emissions personal vehicles by the 2040s, in addition to increasing transit ridership, walking, bicycling, car/ride sharing, and other transportation modes. Staff are currently renewing the CEEP, per Council direction; and it is not anticipated that these directions will be amended.

#### **Analysis**

### Current and Planned City-Owned EV Charging Services

Council recently approved the expansion of Public Level 2 Electric Vehicle (EV) charging in 2019 ("Public EV Charging Expansion – 2019 Funding Application to Natural Resources Canada", dated August 16, 2019) and Direct Current (DC) Fast Chargers on May 18, 2018. Staff were able to double the approved funding for DC Fast Chargers through a Natural Resources Canada (NRCan) funding program. A decision regarding a second grant from NRCan for Level 2 charger funding is still pending. Staff anticipate that the design, installation and commissioning

of the additional Level 2 and DC Fast Charging infrastructure at City locations will begin in 2020. See Attachment 1 for a list of existing and planned city-owned, public EV charging locations.

The scale of current and planned infrastructure, at this stage, would not be classified as a service provider similar to refueling stations for internal combustion engine vehicles. The current approach would better be described as a customer service approach; that is, if you park at a city facility, EV charging services will be available. As a policy measure to encourage EV adoption, the City has not been requiring payment for use of City-owned public charging stations nor for parking where these services are available. Utilization of City-owned EV charging stations however has doubled over the past two years, from 4,400 sessions in Q1/Q2 2017 up to 9,600 sessions in Q1/Q2 2019 (Figure 1). With rising EV ownership, demand for on-the-go charging is causing congestion at some City-owned public Level 2 EV charging stations.

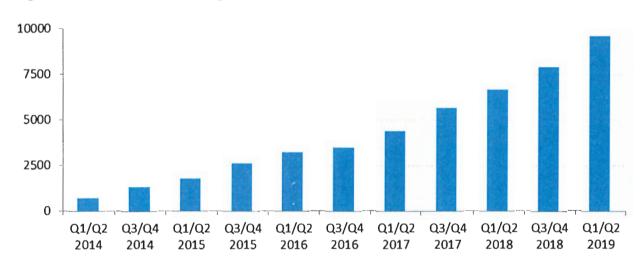


Figure 1: Number of Sessions per Month since January 2014

An EV charging session has two main components: the period that the car is actively charging and idle time that the car is plugged in but not charging as it is fully charged. Long idle times mean that stations are not being fully utilized and are unavailable to other users. Pricing policies and notifications can encourage drivers to make the chargers available for other users. Data shows that approximately 30% of time spent at City-owned public EV charging stations occurs after the battery is full. The average charging session length is 2 hours and 10 minutes; however, average idle time is currently over an hour.

City staff forecast substantial growth in Richmond electric vehicle ownership over the next decade, driven by provincial and federal incentives for zero emission vehicles and a provincial policy mandate, as well as increasing numbers of residential and commercial buildings with electric vehicle charging infrastructure in parking stalls. Predicted growth of EV ownership in Richmond is shown in Table 1.

Table 1: Predicted Growth in Electric Vehicle Ownership in Richmond Units

| Units   |
|---------|
| 750     |
| 1750    |
| 3420    |
| 5488    |
| 8133    |
| > 10000 |
|         |

### Proposed EV Charging Rates for City-Owned Public Sites

The proposed user fees for City-owned public EV charging stations are guided by the following principles:

- Increase turnover, accessibility and equitable access to City charging infrastructure;
- Rates that encourage the transition to electric vehicles;
- Ensure customer service excellence and prompt resolution of technical issues that arise:
- Encourage home charging as the preferred option, where home charging exists; and,
- Rates that recover operating, maintenance, replacement and utility costs on an annual basis.

Earlier this year, the British Columbia Utilities Commission (BCUC) established an Inquiry into the Regulation of Electric Vehicle Charging Service. BCUC made recommendations to the BC government that public EV charging service providers should be permitted to resell electricity for the purposes of EV charging without being considered a regulated utility under the Utilities Commission Act. This would allow the service provider to set rates to cover capital costs, operating and maintenance costs and set rates at their discretion based on usage. For simplicity however, the trend regionally has been to charge for parking services rather than electricity.

The following proposed parking rates consider the above where both Level 2 and DC Fast Charging stations are located:

- Level 2 Charging (up to 30 km of range per charging hour, 4 to 6 hours for full charge):
  - \$2 per hour for the first 2 hours,
  - \$5 per hour after 2 hours
- DC Fast Charging (up to 200 km of range per charging hour, 0.5 to 1 for full charge):
  - \$8 Per hour (25kW)
  - \$16 per hour (50kW)

Note that fees are calculated by total minutes during an active charging session (i.e., charging session activated by the user by tapping a card or mobile application). According to the City of Vancouver and City of Los Angeles, higher rate will increase the turnovers. Staff will monitor usage patterns and recommend rate structure adjustments over time, as needed.

For comparison purposes, the following provides context for the City's proposed DC fast charging rates.

**Table 2: Regional DC Fast Charging Rates** 

| Organisation                   | DC Fast Charging Rate |
|--------------------------------|-----------------------|
| City of Vancouver              | \$16.00/hour          |
| Fortis BC                      | \$18.00/hour          |
| City of Richmond Proposed Rate | \$16.00/hour          |

Charging stations are enabled to use the charging device for collecting user parking fees. Attachment 2 describes the user experience for accessing charging stations.

Given the planned and continuing expansion of electric charging infrastructure, staff anticipate a full-time position will be required in 2021 to maintain the infrastructure. Further assessment during 2020 will be undertaken to assess this requirement as well as operating/maintenance requirements and revenues. Should this assessment confirm the need for a regular full-time position, it is expected that the associated costs will be fully recoverable through the proposed cost recovery approach.

### **Public Communications**

The proposed effective date for applying fees is March 1, 2020, subject to the approval of bylaws in this report, to allow time for the public to be notified. City staff will inform the public prior to implementing new user fees through the following means:

- Signage will be posted adjacent to EV charging stations at each location;
- The charging stations display will be updated to show the rate structure;
- Online posts at Richmond.ca and EV infrastructure mapping sites like Chargepoint.com, Chargehub.com and plugshare.com outlining new pricing; and,
- Regular social media reminders.

### **Financial Impact**

The proposed fee structure is anticipated to recover all costs related to annual software subscription fees, credit card fees, utility costs and other operational and maintenance costs. Based on projections, the total estimated revenue in 2020 is \$178,000 with the net estimated revenue of \$75,000. Operating costs for 2020 are estimated to be \$103,000, and would be funded through existing budgets for 2020 only. Usage and revenues will be assessed throughout 2020 to better refine estimates for 2021 and future years.

#### Conclusion

Staff are recommending that parking fees be implemented where City-owned public electric vehicle charging stations are available effective March 1, 2020. Fees have been set with the intention of increasing turnover, reducing average idle time at stations and encouraging EV drivers to preferentially charge at home or in the workplace, if that option is available. Staff will implement a communications program to create awareness of the new fees. The proposed fees take into consideration cost recovery for electricity, annual operation and maintenance associated with existing and planned public charging stations.

Poroshat Assadian, B.Arch CEM LEED Manager, Corporate Energy

(604-244-1239)

Norm Connolly, MCIP, RPP Manager, Sustainability

(604-247-4676)

Attachment 1: Approved & Planned Future Stations for Public Use

Attachment 2: User Experience

## Attachment 1 Approved & Planned Future Stations for Public Use

| <b>Station Location</b>                     | Address                                   | No. of Ports     | Type         | of Station |
|---|---|------------------|--------------|------------|
| V-100-11                                    |   | (Parking Stalls) | Level 2      | Level 3    |
| Public Use – Charging Stations              | 6.10.00.10.10.10.10.10.10.10.10.10.10.10. | - LAAL-WATER     | Level 2      | Develo     |
| City Hall                                   | 6911 No. 3 Rd                             | 2                | ✓            |            |
| Firehall 1                                  | 6960 Gilbert Rd                           | 2                | <b>✓</b>     |            |
| Thompson CC                                 | 5151 Granville Ave                        | 2                | ✓            |            |
| Steveston CC                                | 4111 Moncton St                           | 2                | ✓            |            |
| Cambie CC                                   | 12800 Cambie Rd                           | 2                | ✓            |            |
| Minoru Centre for Active Living             | 7191 Granville Ave                        | 4                | <b>✓</b>     |            |
| Approved Stations (2017 Capital Bud         | get - CE000025)                           |                  |              |            |
| City Hall                                   | 6911 No. 3 Rd                             | 1                |              | ✓          |
| City Hall                                   | 6911 No. 3 Rd                             | 2                | ✓            |            |
| Richmond Oval                               | 6111 River Rd                             | 1                | V-940-00-0-1 | ✓          |
| Richmond Oval                               | 6111 River Rd                             | 2                | <b>✓</b>     |            |
| Future Planned Stations                     |   |                  |              |            |
| King George Park <sup>4</sup>               | 4100 No 5 Rd                              | 1                |              | ✓          |
| King George Park <sup>4</sup>               | 4100 No 5 Rd                              | 2                | ✓            |            |
| Richmond Ice Centre <sup>4</sup>            | 14140 Triangle Rd                         | 1                |              | ✓          |
| Richmond Ice Centre <sup>4</sup>            | 14140 Triangle Rd                         | 2                | ✓            |            |
| Steveston Tennis Courts <sup>5</sup>        | 4151 Chatham St                           | 2                | <b>✓</b>     |            |
| West Richmond Community Centre <sup>5</sup> | 9180 No 1 Rd                              | 4                | <b>✓</b>     |            |
| Britannia Heritage Ship Yards <sup>5</sup>  | 5180 Westwater Dr                         | 4                | <b>✓</b>     |            |
| Garden City Park                            | 6620 Garden City Rd                       | 2                | ✓            |            |
| Minoru Park (Arenas) <sup>5</sup>           | 7551 Minoru Gate                          | 2                | <b>✓</b>     |            |
| South Arm Community Centre <sup>5</sup>     | 8880 Williams Rd                          | 2                | <b>✓</b>     |            |
| Blundell Park⁵                              | 6468 Blundell Rd                          | 2                | <b>✓</b>     |            |
| Hamilton Community Centre⁵                  | 5140 Smith Dr                             | 2                | ✓            |            |
| TOTAL                                       |   | 46               |              |            |

### Attachment 2 User Experience

Users can easily start a charging session with a member card, using a mobile application with an RFID credit card or by calling driver support. A driver support number is listed on each station and on the back of the member's card.



There are three ways to start a charging session:

- Tap to charge. With the app installed, a user can start a charging session by holding their phone over the reader symbol on the station provided they have the app installed on their device and are signed in to their account.
  - o *iPhone*: In the app, go to Menu, select Account and then Manage Cards. Pick set it up, add pass to Apple Wallet and tap phone on the station to charge.
  - o Android: Enable NFC, turn phone screen on and tap your phone on the station to charge.
- Start charging from the app. Choose the station and click the Start Charge button.
- Use member card. Users can just tap an activated card on the card reader symbol on the station.



# Parking (Off-Street) Regulation Bylaw No. 7403 Amendment Bylaw No. 9923

The Council of the City of Richmond enacts as follows:

- 1. Parking (Off-Street) Regulation Bylaw No. 7403, as amended, is further amended by deleting the text in subsection 1.1(b) and replacing it with "City EV parking stalls".
- 2. Parking (Off-Street) Regulation Bylaw No. 7403, as amended, is further amended by adding the following as a new section 3.5:
  - "3.5 City EV Parking Stalls
    - 3.5.1 A person must not stop, stand or park a vehicle, other than an electric vehicle, in a City EV parking stall
    - 3.5.2 A person may only **park** an **electric vehicle** in any of the **City EV parking stalls** for the duration of a **charging session**, and must pay the applicable parking rates to the **City** through the **EV Supply Equipment** payment system.
    - 3.5.3 The parking rates payable for **parking** and charging an **electric vehicle** in a **City EV parking stall** are set out in the **City's** Consolidated Fees Bylaw No. 8636.".
- 3. Parking (Off-Street) Regulation Bylaw No. 7403, as amended, is further amended at Section 8.1 "[Interpretation]" by inserting the following definitions in alphabetical order:

"Charging Session means the period of time an electric vehicle is connected to the EV supply equipment, commencing once the owner or occupant of the electric vehicle has authorized payment of the City's applicable parking rates through the EV supply equipment payment system, and terminating once the elector is no longer connected to the EV supply equipment.

City EV Parking means an EV parking stall located on land owned, leased, or licensed by the City, and/or fitted with EV supply equipment owned or leased by the City.

means a **vehicle** that uses electricity for propulsion, and that can use an external source of electricity to charge the **vehicle's** batteries.

**Electric Vehicle** 

Bylaw 9923 Page 2

EV Supply Equipment

means a complete assembly consisting of conductors,

connectors, devices, apparatus, and fittings installed specifically

for the purpose of power transfer and information exchange

between a branch electric circuit and an **electric vehicle**, including the ability to collect authorized payments of the applicable parking

rates.

**EV Parking Stall** 

means a parking stall or portion of a street marked as "EV Only"

and featuring EV supply equipment capable of providing

charging services to an electric vehicle.".

4. This Bylaw is cited as "Parking (Off-Street) Regulation Bylaw No. 7403, Amendment Bylaw No. 9923".

| FIRST READING  | CITY C            |                |
|----------------|-------------------|----------------|
| SECOND READING | APPRO for conte   | ent by<br>ting |
| THIRD READING  | APPRO             | VED            |
| ADOPTED        | for lega by Solic |                |
|                |                   |                |
| MAYOR          | CORPORATE OFFICER |                |



# Traffic Bylaw No. 5870 Amendment Bylaw No. 9924

The Council of the City of Richmond enacts as follows:

1. **Traffic Bylaw No. 5870**, as amended, is further amended at Section 1 – "[Interpretation]" by inserting the following definitions in alphabetical order:

"Charging Session means the period of time an electric vehicle is connected to the

EV supply equipment, commencing once the owner or occupant of the electric vehicle has authorized payment of the City's applicable parking rates through the EV supply equipment payment system, and terminating once the electric vehicle is no

longer connected to the EV supply equipment.

City EV Parking

Stall

means an EV parking stall located on land owned, leased, or

licensed by the City, including road, and/or fitted with EV supply

equipment owned or leased by the City.

Electric Vehicle

means a vehicle that uses electricity for propulsion, and that can

use an external source of electricity to charge the vehicle's

batteries.

EV Supply Equipment

means a complete assembly consisting of conductors,

connectors, devices, apparatus, and fittings installed specifically for the purpose of power transfer and information exchange between a branch electric circuit and an **electric vehicle**, including the ability to collect authorized payments of the applicable parking

rates.

**EV Parking Stall** 

means a parking stall or portion of a street marked as "EV Only"

and featuring EV supply equipment capable of providing

charging services to an electric vehicle."

2. **Traffic Bylaw No. 5870**, as amended, is further amended at Section 12 – "[Parking and Stopping of Vehicles]" by deleting subsection 12.4(n) and replacing it with the following:

"(n) other than an electric vehicle, in an EV parking stall;"

Bylaw 9924 Page 2

3. **Traffic Bylaw No. 5870**, as amended, is further amended by inserting the following as new section 12D:

- "12D. Electric Vehicle Parking
- 12D.1 The City may designate any street or part of the street for the reserved parking only of electric vehicles by posting on the street signs indicating a prohibition on parking except for an electric vehicle in the City EV parking stalls.
- 12D.2 A person may **park** an **electric vehicle** in any **City EV parking stall** under the following conditions:
  - (a) a **charging session**, for which the person pays the applicable user fees to the **City** through **EV supply equipment** payment system, has been initiated and is continuing; and
  - (b) the **electric vehicle** complies with all other **parking** restrictions that apply in that area.
- 12D.3 The general allocation of **City EV parking stalls** on the **street** will be based on a first-come, first-served basis.
- The user fee for **parking** in a **City EV parking stall** during a **charging session** are set out are set out in the **City's** *Consolidated Fees Bylaw No. 8636.*"
- 4. This Bylaw is cited as "Traffic Bylaw No. 5870, Amendment Bylaw No. 9924".

| FIRST READING  |                   | CITY OF<br>RICHMOND                                |
|----------------|-------------------|--|
| SECOND READING |                   | APPROVED<br>for content by<br>originating<br>dept. |
| THIRD READING  |                   | APPROVED   |
| ADOPTED        |                   | for legality<br>by Solicitor                       |
|                |                   |  |
| MAYOR          | CORPORATE OFFICER |  |



# Notice of Bylaw Violation Dispute Adjudication Bylaw No. 8122, Amendment Bylaw No. 9925

The Council of the City of Richmond enacts as follows:

- 1. Notice of Bylaw Violation Dispute Adjudication Bylaw No. 8122, as amended, is further amended by adding the table in Schedule A attached to and forming part of this Bylaw in Section number order to Schedule Parking (Off-Street) Regulation Bylaw No. 7403 (2002).
- 2. Notice of Bylaw Violation Dispute Adjudication Bylaw No. 8122, as amended, is further amended by adding the table in Schedule B attached to and forming part of this Bylaw in Section number order to Schedule Traffic Bylaw No. 5870 (1992).
- 3. This Bylaw is cited as "Notice of Bylaw Violation Dispute Adjudication Bylaw No. 8122, Amendment Bylaw No. 9925".

| FIRST READING  |                   | CITY OF                                       |
|----------------|-------------------|---|
| SECOND READING |                   | RICHMOND  APPROVED for content by originating |
| THIRD READING  |                   | dept.   |
| ADOPTED        |                   | APPROVED for legality by Solicitor            |
|                |                   | Olo   |
| MAYOR          | CORPORATE OFFICER |   |

|  | Schedule - Parking (Off-Street) Regulation Bylaw No. 7403 (2002)   | treet) R      | egulation E                                | 3ylaw No         | . 7403 (20                       | 02)                          |   |
|--|--|---------------|--|------------------|----------------------------------|------------------------------|---|
| HILLY .  | Designated Bylaw Contraventions and Corresponding Penalties  | traventio     | ns and Corres                              | ponding Pe       | nalties                          |                              |   |
| A1<br>Bylaw  | A2<br>Description of Contravention   | A3<br>Section | A4<br>Compliance<br>Agreement<br>Available | A5<br>Penalty    | A6<br>Early<br>Payment<br>Option | A7<br>Late Payment<br>Amount | A8<br>Compliance<br>Agreement<br>Discount |
| Parking<br>(OffStreet)<br>Regulation<br>Bylaw No. 7403<br>(2002) | Period of Time from Receipt (inclusive)  |               | n/a  | 29 to 60<br>days | 1 to 28<br>days                  | 61 days or<br>more           | n/a                                       |
|  | Parking in a City EV parking stall, other than an EV Vehicle   | 3.5.1         | ON<br>N                                    | \$ 75.00         | \$ 65.00                         | \$ 110.00                    | n/a                                       |
|  | Parking in a City EV parking stall when not engaged in a charging session (incl. payment of parking rates) | 3.5.2         | O.N.                                       | \$ 75.00         | \$ 65.00                         | \$ 110.00                    | n/a                                       |

|                                  | Schedule - Traffic Bylaw No. 5870 (1992)   | affic By   | rlaw No. 58                          | 70 (1992)        |                            |                        |                                     |
|----------------------------------|--|------------|--------------------------------------|------------------|----------------------------|------------------------|-------------------------------------|
|                                  | Designated Bylaw Contraventions and Corresponding Penalties  | travention | is and Corres                        | ponding Pe       | nalties                    |                        |                                     |
| A1                               | A2   | А3         | A4                                   | A5               | A6                         | A7                     | A8                                  |
| Bylaw                            | Description of Contravention   | Section    | Compliance<br>Agreement<br>Available | Penalty          | Early<br>Payment<br>Option | Late Payment<br>Amount | Compliance<br>Agreement<br>Discount |
| Traffic Bylaw<br>No. 5870 (1992) | Period of Time from Receipt (inclusive)  |            | n/a                                  | 29 to 60<br>days | 1 to 28<br>days            | 61 days or<br>more     | n/a                                 |
|                                  | Parking in a City EV parking space, other than an EV Vehicle   | 12.4(n)    | No                                   | \$ 75.00         | \$ 65.00                   | \$ 110.00              | n/a                                 |
|                                  | Parking in a City EV parking stall when not engaged in a charging session (incl. payment of user fees) | 12D.2(a)   | ON<br>O                              | \$ 75.00         | \$ 65.00                   | \$ 110.00              | n/a                                 |



## CONSOLIDATED FEES BYLAW NO. 8636, AMENDMENT BYLAW NO. 9926

The Council of the City of Richmond enacts as follows:

- 1. The **Consolidated Fees Bylaw No. 8636**, as amended, is further amended by adding Schedule A attached to and forming part of this bylaw to "SCHEDULE PARKING (OFF-STREET) REGULATION" to Consolidated Fees Bylaw No. 8636.
- 2. The **Consolidated Fees Bylaw No. 8636**, as amended, is further amended by adding Schedule B attached to and forming part of this bylaw to "SCHEDULE USE OF CITY STREETS" to Consolidated Fees Bylaw No. 8636.
- 3. This Bylaw is cited as "Consolidated Fees Bylaw No. 8636, Amendment Bylaw No. 9926".

| FIRST READING  |                   | CITY OF<br>RICHMOND                                |
|----------------|-------------------|--|
| SECOND READING |                   | APPROVED<br>for content by<br>originating<br>dept. |
| THIRD READING  |                   | APPROVED   |
| ADOPTED        |                   | for legality<br>by Solicitor                       |
|                |                   |  |
| MAYOR          | CORPORATE OFFICER |  |

# PARKING (OFF-STREET) REGULATION Bylaw No. 7403 EV Charging – City EV Parking Stall User Fees

Section 3.5.3

| Description   | Fee   |
|---|---|
| Charging Level of EV Supply Equipment                     | Per minute  |
| Level 2 – 3.1kW to 9.6kW<br>Charging Session Parking Rate | Initial 2 hrs: \$0.0333/min (\$2.00/hr)<br>After 2 hrs: \$0.08325/min (\$5.00/hr) |
| Level 3 – 25kW<br>Charging Session Parking Rate           | \$0.1333/min (\$8.00/hr)  |
| Level 3 – 50kW<br>Charging Session Parking Rate           | \$0.2666/min (\$16.00/hr)   |

# SCHEDULE - USE OF CITY STREETS

Traffic Bylaw No. 5870 EV Charging – City EV Parking Stall User Fees Section 12D.4

| Description  | Fee   |
|--|---|
| Charging Level of EV Supply Equipment                  | Per minute  |
| Level 2 – 3.1kW to 9.6kW<br>Charging Session User Fees | Initial 2 hrs: \$0.0333/min (\$2.00/hr)<br>After 2 hrs: \$0.08325/min (\$5.00/hr) |
| Level 3 – 25kW<br>Charging Session User Fees           | \$0.1333/min (\$8.00/hr)  |
| Level 3 – 50kW<br>Charging Session User Fees           | \$0.2666/min (\$16.00/hr)   |