



# Bylaw Amendments for Electric Vehicle (EV) Charging

Committee of the Whole  
July 9, 2020

# Purpose

To present a proposed amendment to the “Streets and Traffic Bylaw” and a new “City Parkades Electric Vehicle Charging Fees Bylaw” to support the successful operation of upcoming public EV charging stations and allow for the collection of fees for use of the City’s public EV charging infrastructure.

As directed by council in November 2019

# Climate Leadership

- 80% GHG reduction by 2050 target
- 100% Renewable Energy targets

## 2017 GHG EMISSIONS BY SECTOR (369,609 tCO<sub>2</sub>e<sup>11</sup>)

32% COMMERCIAL, INSTITUTIONAL, INDUSTRIAL,  
AND MULTI-UNIT RESIDENTIAL

19% SINGLE FAMILY HOMES

9% SOLID AND LIQUID WASTE

40% ON-ROAD TRANSPORTATION

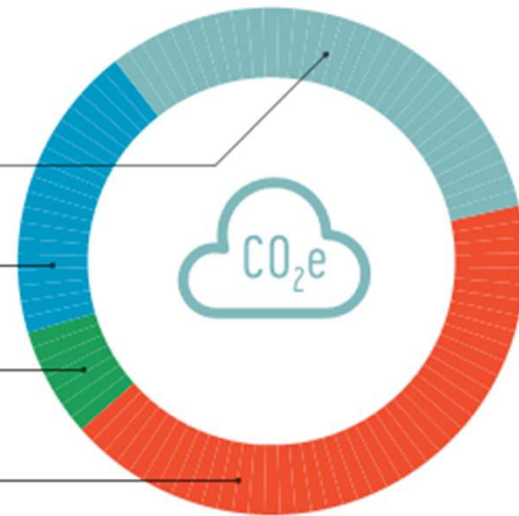


Figure 1: City of Victoria GPC Compliant Inventory, 2017

# City of Victoria EV Initiatives

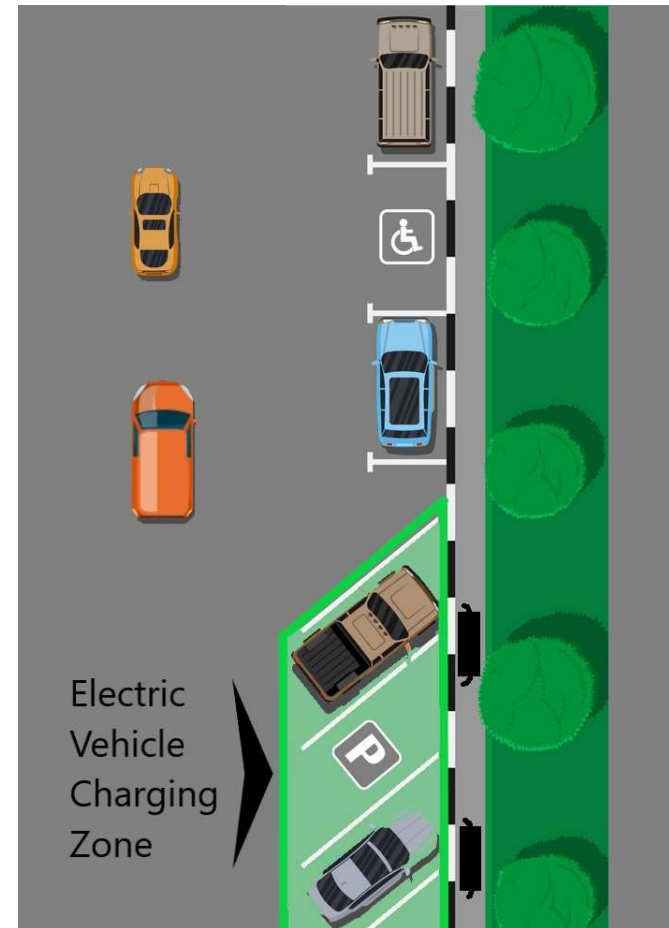
- **Parkade Chargers:** 13 Level 2 chargers installed between 2013-2018
- **Broad St. Curbside Chargers:** 6 Level 2 chargers in 2020
- **BC Hydro DC Fast Chargers:** 2 DC Fast chargers to be installed on Store St. in 2020
- **Participation with BC Government's Go Electric Program,** topping up grants to Victoria apartment owners and managers
- **EV Ready Bylaws:** requiring new residential and commercial developments to be EV ready with energized outlets for Evs
- **EV Strategy:** providing further guidance on investments required to support EV adoption levels to meet CLP targets (under development in 2020)

# Amendments to the Streets and Traffic Bylaw

## a New type of parking zone:

### Electric Vehicle Parking Zone

- Defines how parking is regulated within this zone
- Defines fines for non-compliance
- Ensures successful operation of new on-street charging infrastructure coming to Store St. and Broad St. in 2020.



ELECTRIC VEHICLE PARKING ZONE

# Amendments to the Streets and Traffic Bylaw

## Collection of fees:

Introduces charging fees Jan 01/21

- \$1/hr - level 2 chargers
- Charging fees in addition to existing parking fees
- Promotes turnover and helps ensure chargers are available to everyone who need them



COLLECTING FEES FOR EV CHARGING



# New City Parkades Electric Vehicle Charging Fees Bylaw

## Collection of fees for EV Charging in parkades:

Introduces charging fees Jan 01/21

- \$1/hr - level 2 chargers
- \$1/8hrs - level 1 chargers
- Charging fees in addition to existing parking fees
- Promotes turnover and helps ensure chargers are available to everyone who need them



COLLECTING FEES FOR EV CHARGING

# Affordability Considerations

- Introducing parking regulations and fees for public charging stations helps ensure chargers are available to those who need them by deterring non-EVs and those with an option to charge at home
- \$1/hr rate is slightly higher than BC Hydro residential rates to encourage those who can to charge at home
- \$1/hr rate remains inexpensive compared to fueling a gasoline powered vehicle
- Fees will be adjusted in as necessary to manage demand of charging stations



# Recommendations

That Council:

1. Direct staff to bring forward for introductory readings :
  - a) Amendments to the Streets and Traffic Bylaw (Bylaw No. 09-079) for the establishment and regulation of an electric vehicle charging zone, and collection of a fee for EV charging on city streets.
  - b) A new bylaw, City Parkades Electric Vehicle Charging Fees Bylaw (Bylaw no. 20-032) for collection of a fee for EV charging in City parkades and surface parking lots.
2. Authorize that revenue from fees collected from these bylaws be placed in the Climate Action Reserve Fund to support continued investment in EV charging infrastructure.