

2024

CITY OF VICTORIA | Engineering & Public Works

Electric Vehicle (EV) Strategy Bylaw Updates



COMMITTEE OF THE WHOLE | April 18, 2024



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EV Initiatives Requiring Bylaw Updates



- Updating Fees for Direct Current (DC) Fast Chargers



- Sidewalk Cord Cover Permitting



- Updates to Existing Bylaws

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Updating Fees to DC Fast Chargers

- The City currently charges time-based fees for DC fast charging
- Measurement Canada is allowing DC Fast Charger operators an opportunity to set power (kWh) based fees
- Updating fees to a kWh based system supports affordability, evolves the network to better meet the needs of the user and expands access

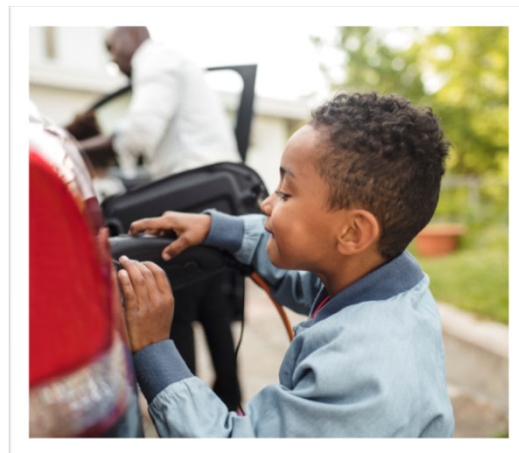
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Sidewalk Cord Cover Permitting

- Many Victorians currently face multiple barriers to at home EV charging
- Permitting the safe use of cords crossing the sidewalk to charge EVs is a low-cost opportunity to allow more households to charge an EV at home.
- Other cities have provided support for their residents to run charging cables across city sidewalks through the use of approved cord covers.



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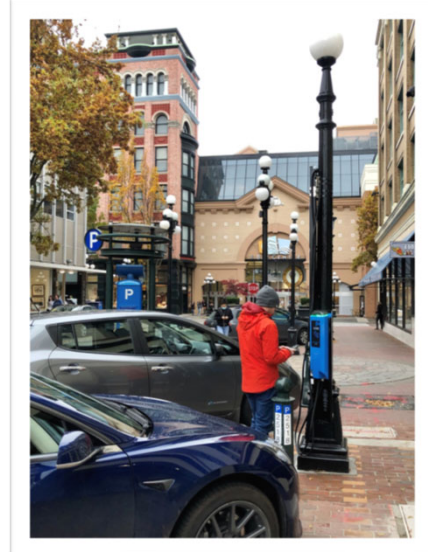


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Updates to Existing Bylaws

- Updates to existing bylaws are required to expand EV charging operation and enforcement options within the public right of way:
 - to enable on-street car share charging options
 - to enable City owned and operated EV charging infrastructure on leased lots
 - to update occupancy permit fees to compensate the city for potential revenue loss when EV charging stations are closed through an occupancy permit

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Recommendations

1. That Council instruct the Director of Engineering and Public Works (the “**Director**”) to make an application to Measurement Canada for a dispensation for Level 3 Electric Vehicle Supply equipment in order to enable the City to set fees for access to its public DC Fast Chargers on a per kilowatt hour (kWh) basis, and authorize the Director to accept the terms and conditions of doing so in the form attached as Appendix B, and to execute the associated indemnification agreement with Measurement Canada, in the form attached as Appendix C.
2. Subject to the City being granted a dispensation from Measurement Canada pursuant to the above resolution, that Council instruct the City Solicitor to draft an amendment to the City Parkades Electric Vehicle Charging Fees Bylaw to update DC fast charging fees as required to support implementation of the EV and E-Mobility Strategy.

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Recommendations

3. That Council instruct the City Solicitor to bring forward the necessary bylaw updates to allow for the following:

- a) Delegate to the Director the authority to issue licences to owners and occupants of residential property in order to allow such persons to run electric vehicle (“EV”) charging cords across the City right of way adjacent to their property for the purpose of charging EVs;
- b) Expansion of the delegation to the Director allowing them to set fees for the use of public EV charging stations to also allow them to set fees for the use of car share EV charging stations where such charging stations are owned by the City;
- c) Increase the fee for Street Occupancy Permits within Electric Vehicle Charging Zones to offset revenue lost from City-owned EV charging stations when the public are unable to utilize the charging stations; and
- d) To allow the City to enforce the City Parkades Electric Vehicle Charging Fees Bylaw where the City has a licence or lease to operate EV charging stations on private property.

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