



**City of Kingston
Report to Council
Report Number 19-185**

To:	Mayor and Members of Council
From:	Peter Huigenbos, Acting Commissioner, Community Services
Resource Staff:	Paul MacLatchy, Environment Director
Date of Meeting:	June 18, 2019
Subject:	Electric Vehicle Charging Stations – Implement Fees for Use

Executive Summary:

The City's Electric Vehicle (EV) Strategy includes the installation of Level 2 and Level 3 public charging stations. To date, there have been 44 Level 2 stations installed throughout the City and usage has been steadily increasing from month to month. The most recent and upcoming installations are Level 2 chargers at Kingston Airport and Level 2 and 3 chargers downtown.

In accordance with the EV Strategy, access to Level 3 electric vehicle fast charging stations will require a fee for use. Additionally, the City's Level 2 public chargers already in use will require a user fee beginning in 2020.

The fee schedule attached to By-Law Number 2005-10, "A By-Law to Establish Fees and Charges to be Collected by The Corporation of the City of Kingston, as amended", is updated annually. This process was completed for 2019 on December 18, 2018. A subsequent amendment to the by-law fee schedule is required to implement fees for use of the electric vehicle chargers, as was outlined in the EV Strategy accepted by City Council at their October 3, 2017 meeting. User fees of \$1.50 and \$17 per hour for Level 2 and Level 3 charging respectively are recommended. These fees are within the range of fees charged at similar publically and privately owned charging stations in Eastern Ontario and Quebec.

It is recommended that the by-law be given all three readings at the June 18, 2019 meeting of Council, as the installation of the Level 3 chargers is expected to be completed prior to the next regularly scheduled Council meeting.

Recommendation:

That By-Law Number 2005-10 "A By-Law to Establish Fees and Charges to be Collected by The Corporation of the City of Kingston, as Amended", be further amended as outlined within

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Exhibit A of Report Number 19-185, to allow for the collection of fees for use of public electric vehicle charging stations, and be given all three readings.

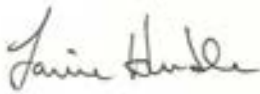
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Authorizing Signatures:



**Peter Huigenbos, Acting Commissioner,
Community Services**



**Lanie Hurdle, Acting Chief Administrative
Officer**

Consultation with the following Members of the Corporate Management Team:

Gary Dyke, Commissioner, Corporate Enterprise Services	Not required
Jim Keech, President & CEO, Utilities Kingston	Not required
Desirée Kennedy, Chief Financial Officer & City Treasurer	OK
Sheila Kidd, Commissioner, Transportation & Public Works	SK

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Options/Discussion:

The City has been completing the installations of the public electric vehicle charging stations as part of the City's EV Strategy endorsed by Council in October 2017 ([Report Number 17-262](#)). The network of public charging stations includes 44 Level 2 charging stations located at 20 different City owned properties. In addition, the installation of 2 Level 3 charging stations in the Frontenac Parking Lot downtown is anticipated to be complete within the next few weeks.

The EV Strategy approved by Council included a two year period where Level 2 charging would be provided without cost to users other than the existing parking fees. The no-fee period will conclude at the end of 2019. The EV Strategy proposed that Level 3 electric vehicle charging stations will charge a market rate fee as soon as they are installed and are operational.

Staff have investigated the current market rates in place for the use of Level 2 and Level 3 public charging stations. They have identified that typical rates within Ontario and Quebec are between \$1 and \$2 per hour for Level 2 charging, and \$10 and \$20 per hour for Level 3 access. Amendment of By-Law Number 2005-10 to allow for the collection of a \$17 per hour for Level 3 charging, and the inclusion of a placeholder in the fee schedule for the Level 2 charging fee, is recommended. Fees for the use of charging stations are in addition to any parking fee requirements already in place.

The fee schedule (Schedule "A") attached to By-Law Number 2005-10, "A By-Law to Establish Fees and Charges to be Collected by the Corporation of the City of Kingston, as Amended", is updated annually. This process was completed for 2019 on December 18, 2018. A subsequent amendment to the by-law fee schedule is required to implement fees for use of the City's public Level 3 electric vehicle chargers. The annual update of the by-law for 2020 will include the addition of the \$1.50 per hour fee for Level 2 charging station use.

Existing Policy/By-Law:

By-Law Number 2005-10 "A By-Law to Establish Fees and Charges to be Collected by the Corporation of the City of Kingston, as Amended"

Notice Provisions:

Not applicable

Accessibility Considerations:

Not applicable

Financial Considerations:

The collection of fees for use of the public charging stations is done via the City's electric vehicle charging station service provider, Flo Services Inc., who accepts payment from customer credit cards via a mobile smartphone app or with reloadable radio-frequency identification (RFID) equipped cards. The service provider is responsible for the management of all refund requests,

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for the collection and payment of taxes associated with each transaction, and for 24/7 customer service. The service provider retains 15% of collected revenue in exchange for these services.

Net fees collected are remitted to the City quarterly and will be used to offset the cost to departments for providing electricity and maintenance to the public charging infrastructure.

Based on usage rates observed for the Level 2 charging network to date, a \$1.50 per hour fee would generate gross revenues of approximately \$22,000 annually and offset annual electricity and maintenance costs of approximately \$7,500 and \$6,300 respectively, and offset the service provider's fees of approximately \$3,000.

Anticipated revenues for Level 3 charging have not been estimated because there is no current user data available. Once operational, the details of the Level 3 charging stations usage will be assessed and reported back to Council.

Contacts:

Peter Huigenbos, Acting Commissioner, Community Service 613-546-4291 extension 3148

Other City of Kingston Staff Consulted:

Paul MacLatchy, Environment Director, Real Estate & Environmental Initiatives

Ian Semple, Director, Transportation Services

Lana Foulds, Director, Financial Services

Exhibits Attached:

Exhibit A Draft By-Law to Amend By-Law Number 2005-10, "A By-Law to Establish Fees and Charges to be Collected by the Corporation of the City of Kingston, as Amended"

By-Law Number 2019-XX

A By-Law to Amend By-Law Number 2005-10, "A By-Law to Establish Fees and Charges to be Collected by The Corporation of the City Of Kingston, as Amended."

Passed: June 18, 2019

Be it resolved that the Council of the Corporation of the City of Kingston hereby enacts as follows:

1. By-Law 2005-10, being "A By-Law To Establish Fees and Charges to be Collected by The Corporation of the City of Kingston", as amended, is hereby further amended as follows:
 - 1.1 Amend Schedule "A" by adding the following into the Parking section:

Electric Vehicle Charging Stations	2019 Fees	HST (Y/N)
Level 2 Charging Station per hour	N/A	N
Level 3 Charging Station per hour	\$17.00	N

2. This By-Law shall come into force and take effect on the date of its passing.

Given all Three Readings and Passed: June 18, 2019

John Bolognone
City Clerk

Bryan Paterson
Mayor