

Electric Vehicle Charging Stations - Pilot Project Update

Recommendation

That the November 9, 2020, Urban Form and Corporate Strategic Development report CR_4272, be received for information.

Previous Council/Committee Action

At the November 22, 2016, Executive Committee meeting, the following motion was passed:

4. That Administration report back on the pilot project one year after implementation.

Executive Summary

A proposed pilot program to install up to 100 publicly-accessible electric vehicle charging stations in Edmonton was designed by Administration and contingent on receiving federal grant funding through Natural Resources Canada (NRCan). The NRCan program funded the expansion of publicly available electric vehicle charging infrastructure; however, this funding was not awarded to the City of Edmonton due to an unsuccessful application, as a result, the pilot program did not proceed as designed.

Report

The Community Energy Transition Strategy identified the need to support the transition to low carbon transportation options including electric vehicles. Expanding charging infrastructure is critical to enable and encourage electric vehicle ownership in Edmonton. In 2016, a Government of Canada program offered funding to support this type of investment. A pilot program was designed that would have led to the installation of up to 100 publicly-accessible electric vehicle charging stations in Edmonton. Proceeding with the pilot program was contingent on receiving federal grant funding through Natural Resources Canada (NRCan). The NRCan program was tailored to fund the expansion of publicly available electric vehicle charging infrastructure; however, this funding was not awarded to the City of Edmonton (due to no confirmed matching funding within the application).

In the absence of grant funding for the pilot project, Administration continued to research how to enable the use of electric vehicles in the city. The results of this work include:

- Edmonton's Electric Vehicle Strategy (Urban Form and Corporate Strategic Development report CR_4126 Electric Vehicle Strategy - Charging Up! Edmonton's Electric Vehicle Strategy) which was received for information by Urban Planning Committee on September 11, 2018.
- Partnerships with ATCO and EPCOR to install 18 publicly available electric vehicle charging stations by the end of 2020.

The planned charging station locations are identified in Attachment 1.

Budget/Financial

City of Edmonton has incurred no costs for the partnerships that will lead to additional publicly accessible electric vehicle charging stations.

The City issued a license to ATCO for five publicly accessible electric vehicle charging station curbside installations. ATCO is responsible for installation and maintenance, including all costs, for these five publicly accessible electric vehicle charging stations installations.

The City also entered into an agreement with EPCOR for 13 charging stations located at City facilities. EPCOR is responsible for all costs related to these 13 charging stations.

The City of Edmonton provided letters of support to each partner for their pursuit of grant funding from other orders of government.

Corporate Outcomes and Performance Management

Corporate Outcome(s): Conditions of Success			
Outcome(s)	Measure(s)	Result(s)	Target(s)
Citizens and businesses make sustainable choices (Energy Transition Strategy)	Number of publicly accessible charging stations (Level 2 and DC Fast) as measured by permitting data and vendor information provided to the City	19 (2017)	80 stations (2022)

Attachment:

1. Planned Electric Vehicle Charging Stations Locations

Others Reviewing this Report

- M. Persson, Chief Financial Officer and Deputy City Manager, Financial and Corporate Services
- C. Owen, Deputy City Manager, Communications and Engagement
- B. Andriachuk, City Solicitor