



TO:	GENERAL COMMITTEE
SUBJECT:	ZERO EMISSION INFRASTRUCTURE PROJECT (ZEVIP) AGREEMENT
WARD:	All
PREPARED BY AND KEY CONTACT:	A. MCMULLIN, MANAGER OF ENERGY MANAGEMENT, EXT. 5097
SUBMITTED BY:	R. PEWS, DIRECTOR OF CORPORATE FACILITIES
NOTED:	R. BELL, DIRECTOR OF RECREATION AND CULTURE SERVICES I. PETERS, DIRECTOR OF LEGAL SERVICES
GENERAL MANAGER APPROVAL:	D. MCALPINE, GENERAL MANAGER OF COMMUNITY AND CORPORATE SERVICES
CHIEF ADMINISTRATIVE OFFICER APPROVAL:	M. PROWSE, CHIEF ADMINISTRATIVE OFFICER

RECOMMENDED MOTION

1. That the Director of Corporate Facilities be authorized to execute a 10-year agreement with Alectra Energy Services Inc., with terms acceptable to the Director of Legal Services and the Director of Recreation and Culture Services, for the installation and operation of Electric Vehicle Supply Equipment at City facilities as outlined in Staff Report FAC003-21.

PURPOSE & BACKGROUND

Background

2. The purpose of this Staff Report is to seek authorization to enter into an Electric Vehicle Supply Equipment (EVSE) agreement with Alectra Energy Services Inc. for the installation and operation of electric vehicle charging stations at selected recreation facilities, leveraging grant funding made available through Natural Resources Canada (NRCan).
3. The federal government has established the Zero Emission Vehicle Infrastructure Program (ZEVIP) administered through NRCan to facilitate the deployment of electric vehicle (EV) charging infrastructure throughout Canada.
4. The ZEVIP program aims to provide EV charging infrastructure for public places to increase EV adoption rates by reducing EV range anxiety. Natural Resources Canada is providing funding of up to 50% of project costs to support the installation of new EV charging stations.
5. In September 2019, the City was approached by Alectra to participate in the submission of a proposal to NRCan under the ZEVIP to develop, construct, install and operate EV charge stations. The City entered into a non-binding memorandum of understanding for the purpose of the submission.

6. To strengthened the ZEVIP application and improve the economies of scale for the procurement of equipment and services, the NRCan submission was made jointly by Alectra Energy Services, the City of Barrie, the City of Markham and the City of St. Catharines.
7. The NRCan application was successful and requires Alectra to enter into operating agreements with partner municipalities prior to finalizing the funding agreement to fulfil the application requirements.

Project Details

8. Alectra is providing a turn-key service whereby they install, operate and maintain EVSE (level 2 chargers) at four City recreational facilities:
 - Holly Community Centre (2 charge stations)
 - East Bayfield Community Centre (2 charge stations)
 - Allandale Recreation Centre (2 charge stations)
 - Sadlon Arena (4 charge stations)
9. Recreation centres serve as ideal locations to install EVSE as the typical visit duration of a patron provides enough time for users to charge their vehicle, but also allows for the appropriate turn-over of visitors ensuring high utilization of the asset.
10. The ZEVIP program funding supports the capital expenses for installation and commissioning of the EVSE. All future operational costs, including electricity, maintenance and repairs are the responsibility of Alectra.
11. The City will not incur costs related to EVSE software and hardware procurement, installation and maintenance. Any minor operational requirements at individual locations for regular upkeep around the installation areas can be met within approved facility operating budgets. The cost of electricity supplied to the EVSE will be reimbursed to the City by Alectra on a quarterly basis for the 10-year term of the agreement.
12. To establish a viable business model for EVSE deployment Alectra recovers their investment cost through the revenue generated from user fees and leverages the grant funding to offset capital expenditures. The City benefits from the partnership by enhancing service at our large recreation facilities and promotes electric vehicle use within the community.
13. Upon execution of the agreement, Alectra will begin installation at the project sites, planning for completion by September 30, 2021 as outlined in the NRCAN funding requirements.

ENVIRONMENTAL AND CLIMATE CHANGE IMPACT MATTERS

14. In the fall of 2019, Council declared a climate emergency to affirm the City's commitment to reduce greenhouse gas emissions and take action on climate change.
15. The transportation sector accounts for 56% of the community's greenhouse gas emissions and the transition to electric vehicles is a key strategy to reduce transportation emissions. Improving accessibility to EVSE connectors within the community reduces the range anxiety for current and potential EV owners and encourages residents to choose EV as a transportation option.
16. This partnership with Alectra provides an enhanced service for residents and visitors, promotes environmental stewardship through the reduction of greenhouse gas emissions while requiring no significant capital and operational investment by the City.

ALTERNATIVES

17. The following alternatives are available for consideration by General Committee:

Alternative #1

General Committee could choose not to execute the agreement with Alectra.

This alternative is not recommended, as the City would not benefit from environmental and service enhancements realized through the installation of the proposed ESVE.

Alternative #2

General Committee could choose not to partner with Alectra and recommend that the Staff proceed with installation of EVSE independently.

This alternative is not recommended, as the City would not benefit from the ZEVIP grant funding support or the economies of scale realized through the Alectra partnership model.

FINANCIAL

18. The turn-key service requires no capital investment from the City and no direct operational expenses. Any minor operational inspection requirements of facility staff can be incorporated into routine maintenance procedures and within existing budgets. All additional electricity costs incurred through use of the EVSE is reimbursed by Alectra on a quarterly basis.

LINKAGE TO 2018–2022 STRATEGIC PLAN

19. The recommendation(s) included in this Staff Report support the following goals identified in the 2018-2022 Strategic Plan:

- ☒ Fostering a Safe and Healthy City

Increasing the supply of EVSE within the community helps to build a greener Barrie while mitigating and adapting to climate change.

- ☒ Improving the Ability to Get Around Barrie

This partnership will increase the transportation options for residents and visitors that own electric vehicles.