

Report to Council

Report Title:	EV Charger - Westario Funding Opportunity		
Prepared By:	Sonya Watson, Chief Administrative Officer and Mark Coleman, Director of Community Services, and Cally Mann, Municipal Executive Coordinator		
Department:	Administration		
Date:	June 21, 2022		
Report Number:	CAO2022-22	File Number:	C11AD
Attachments:	Regional EV Charging Summary Report, Regional EV Charging Network Strategy, Tri-Party EV Charging Station Co-operative Agreement, ChargePoint-as-a-service Agreement, ChargePoint Master Services and Subscription Agreement		

Recommendation:

That the Council of the Municipality of Brockton hereby receives Report Number CAO2022-22 - EV Charger - Westario Funding Opportunity, prepared by Sonya Watson, Chief Administrative Officer, Mark Coleman, Director of Operations and Cally Mann, Municipal Executive Coordinator and in doing so approves a By-Law coming forward entering into an agreement with Westario, Bruce Power and ChargePoint for a Service on the Lead the Charge funding opportunity and further approves the following locations outlined in Option ____.

Report:

Background:

The Emissions Reduction Plan under the Canadian Net-Zero Emissions Accountability Act, stipulates that 20% of light duty vehicles sales will be zero emission vehicles by 2026, this number will increase to 30% by 2030 and 100% by 2035. One of the main aspects of this plan is making it easier for Canadians to switch to electric vehicles, which includes adding 50,000 new EV Chargers to the Canadian network.

Studies have shown that the existing infrastructure of EV Chargers is not enough to facilitate existing demand with less than 7,000 stations with level 2 chargers, and approximately 1,200 stations with level 3 chargers. Currently, Canada has approximately 0.06 chargers available for each electric vehicle on the road, which is well under what the 2025 goal is – one charger per 20 electric vehicles. Ontario currently has only one quarter of the EV Chargers in Canada, with Quebec boasting 45%. The Nuclear Innovation Institute recently surveyed more than 500 EV and zero emissions vehicle owners and more than 80% stated that it was difficult to access public charging stations within this region, additionally more than 70% indicated that they would not travel to a destination unless they could access public charging stations for weekends or vacations.

Westario and Bruce Power launched the Lead the Charge funding opportunity, partnering with local municipalities in Bruce, Grey and Huron Counties to bring more EV Chargers to the area.

Analysis:

Staff have been in discussions with Westario and Bruce Power regarding the Lead the Charge funding opportunity and after site visits at a number of Brockton locations, the three Brockton Community Centres in Walkerton, Cargill and Elmwood were chosen as the preferred sites by Westario. Should all three locations be chosen for installation, the Lead the Charge funding would provide \$10,000 to help cover the first-year costs, including installation. Installation would be approximately \$5,400 for all three locations. For the first installation, Lead the Charge will contribute up to \$5,000 for initial costs and for expenses incurred that total more than \$5,000 Bruce Power and Westario will contribute \$2,500 each over and above the initial \$5,000. This means that if only one location is chosen, only \$5,000 will be provided as the initial costs would not exceed \$5,000.

Brockton can decide to install any variation of the three locations.

Option 1: One location

- a) Walkerton Community Centre
- b) Elmwood Community Centre
- c) Cargill Community Centre

Option 2: Two locations

- a) Walkerton and Elmwood Community Centres
- b) Walkerton and Cargill Community Centres
- c) Elmwood and Cargill Community Centres

Option 3: All three locations

Below is the approximate funding that will be received based on the initial costs, and the yearly costs associated with the decision. This is based on a five (5) year term, shorter terms will result in higher annual subscription costs. Hydro costs are not included in the costs provided below as the usage is unknown, however for estimation purposes, the Catherine Street Charging station used approximately \$1,200 in hydro in a year. As part of the funding agreement, the municipality would not be able to charge users during the first year. After the first year, charging would be an option.

Locations	Funding Received	Initial Costs	Annual Subscription
One Location	\$4,000 (maxed at the initial costs)	\$4,000 (installation and annual subscription)	\$2,600 per year
Two Locations	\$8,000 (maxed at the initial costs)	\$8,000 (installation and annual subscription)	\$5,200 per year
Three Locations	\$10,000	\$13,000 (installation and annual subscription)	\$7,800 per year
Note: hydro is an additional yearly cost- some recoverable in year 2-5 through charge fees			

Staff note that as the chargers would be level 2 chargers, the charging time would be approximately 7 hours for a full charge, or one hour for 40 kilometres. Ideal locations are centered with other things to do in the area and adequate lighting for safety.

ChargePoint, as the service provider, would require entering a formal agreement for the annual subscription for the municipality, which would be in place for 5 years. Annually each unit would cost approximately \$2,600, per year which would be partially covered by the initial costs funding, however future years would not be covered. Report CAO2022-19, from the May 24, 2022 Council meeting outlined the difference in staff responsibilities and cost regarding this funding.

The Walkerton location is an obvious location for an EV charger and close to downtown amenities. As Council is aware a press event was held on Monday, June 13, 2022 to launch the program with the Walkerton Community Centre identified as a preferred site. Due to the lower than anticipated installation costs, Brockton's eagerness to participate and the option to expand to three sites, Westario and Bruce Power were comfortable with a higher contribution.

We seek Council's confirmation on the installation of additional EV Chargers through the Lead the Charge program.

Strategic Action Plan Checklist:

What aspect of the Brockton Strategic Action Plan does the content/recommendations in this report help advance?

- | | |
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| • Recommendations help move the Municipality closer to its Vision | Yes |
| • Recommendations contribute to achieving Heritage, Culture, and Community | Yes |
| • Recommendations contribute to achieving Quality of Life | Yes |
| • Recommendations contribute to achieving Land Use Planning and the Natural Environment | Yes |
| • Recommendations contribute to achieving Economic Development | Yes |
| • Recommendations contribute to achieving Municipal Governance | Yes |

Financial Impacts/Source of Funding:

- Do the recommendations represent a sound financial investment from a sustainability perspective? Yes

Costs are outlined above. Depending on the number of EV Chargers Council approves we would recommend yearly fees for charge point are included in the upcoming budgets.

Reviewed By:



Trish Serratore, Chief Financial Officer

Respectfully Submitted by:



Sonya Watson, Chief Administrative Officer



Mark Coleman, Director of Community Services



Cally Mann, Municipal Executive Coordinator