

INFORMATION NOTE

Title: Electric Vehicle Charging Stations Host Application

Date Prepared: October 17, 2019

Report To: Council

Councillor and Role: Councillor Ian Froude, Public Works & Sustainability

Ward: Ward 4

Issue:

The City of St. John's is submitting an application to put forward locations for Newfoundland Power to place Electric Vehicle rapid (Level 3) charging stations through a land lease agreement.

Discussion – Background and Current Status:

Electric (EV) and Plug-In Hybrid (PHEV) vehicles are becoming increasingly popular with more models on the market, better battery range, and more drivers switching from gas to electric. In support of local EV growth Newfoundland Power is planning to install 10 EV charging stations throughout Newfoundland Power's service territory. Concurrently, Newfoundland and Labrador Hydro is planning to install 9 EV charging stations throughout Hydro's service territory. This joint takeCHARGE project will support regional transportation connectivity, help reduce carbon emissions, and make Newfoundland and Labrador a more attractive destination for EV owners across the continent in the upcoming years.

The St. John's Energy and Greenhouse Gas Inventory (2018) identified that 41% of the energy used in our community is gasoline and diesel, therefore, 59% of the greenhouse gas emissions from our community as a whole come from transportation. EV charging stations will make owning an EV or a PHEV a more viable option for residents of St. John's, while ensuring that EV drivers can travel across the province.

Newfoundland Power is requesting applications from prospective EV charging station hosts. Each charging station will have both a Direct Current Fast Charger (DCFC) (also known as a Level 3 charger) and a Level 2 EV charger (16-40 amps). Any successful applicant will be required to sign a 10-year land lease agreement with Newfoundland Power (a sample Land Lease Agreement is provided in the attachments).

In order for a site to be suitable, it must meet the following criteria:

- a) Be located no further than 150 meters from a three-phase distribution line with sufficient excess capacity. Available excess capacity will be determined by Newfoundland Power;
- b) Be located directly adjacent to a major route;
- c) Be visible and accessible from the road;

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- d) Be large enough to allow for two designated parking spots for EVs (approximately 2.75 meters by 6 meters each); and
- e) Have ample land adjacent to the parking spots for equipment (approximately 4 meters by 10 meters long).

A review of available City properties that match these criteria resulted in a proposal for Newfoundland Power to consider placing EV Charging stations at Bowring Park and Bannerman Park parking lots.

Key Considerations/Implications:

1. Budget/Financial Implications: The City would be responsible for any property taxes, assessments or local improvement charges as well as insurance on the property.

Newfoundland Power will be responsible for the cost of the charging station equipment, installation, charger maintenance and repairs, and electricity required to operate the charging stations.

2. Partners or Other Stakeholders: Newfoundland Power
3. Alignment with Strategic Directions/Adopted Plans:
A Sustainable City
A City That Moves
An Effective City
4. Legal or Policy Implications: Review from the City's legal team will be conducted. Successful applicants will be asked to enter a ten-year rental agreement with Newfoundland Power for the time period of April 1, 2021 to March 31, 2031, with the option to renew for a further term of ten years, on the same terms and conditions.
5. Human Resource Implications: City staff would support the discussions of site selection based on technical feasibility. If implemented, 311 staff would be provided contact information for Newfoundland Power's relevant staff to ensure easy communication in case maintenance is required.
6. Engagement and Communications Considerations: N/A
7. Privacy Implications: N/A
8. Procurement Implications: N/A
9. Information Technology Implications: N/A
10. Other Implications: N/A

Conclusion/Next Steps:

Submission of proposal for Newfoundland Power to consider placing EV Charging stations at Bowring Park and Bannerman Park parking lots.

Report Approval Details

Document Title:	Electric Vehicle Charging Stations Host Application.docx
Attachments:	- 2020-Electric-Vehicle-Charging-Station-Host-Application (1).pdf - Energy_and_Greenhouse_Gas_Inventory_Infographic.jpg
Final Approval Date:	Dec 2, 2020

This report and all of its attachments were approved and signed as outlined below:

Brian Head - Dec 2, 2020 - 1:41 PM

Lynnann Winsor - Dec 2, 2020 - 4:32 PM