



## Staff Report

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**Report To:** Council Meeting  
**From:** Magda Badura, Manager of Corporate Services (Treasurer)  
**Date:** 2025-02-27  
**Subject:** West Elgin's EV Charging Network – Application to the Zero-Emission Vehicle Infrastructure Program

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### **Recommendation:**

That West Elgin Council hereby receives the report from M. Badura, Manager of Corporate Services – Treasurer re: West Elgin's EV Charging Network – Application to the Zero-Emission Vehicle Infrastructure Program for information; and

That West Elgin Council approves the construction of a parking lot, along with the purchase and installation of six electric vehicle (EV) charging stations; and

That West Elgin council directs staff to proceed with the necessary documentation to secure grant funding.

### **Purpose:**

The purpose of this report is to seek Council's approval for the construction of a parking lot on Monroe Street, east of Graham Road, required for the purchase and installation of six EV charging stations.

### **Background:**

Over the past year, West Elgin has been working to bring more EV charging options to the community. In December 2023, West Elgin partnered with Charger Crew Canada Inc. to apply for funding through the Ministry of Transportation Ontario (MTO) ChargeON Program. As of January 30, 2024, a funding request was submitted for a project worth \$311,024.

In September, staff identified another funding opportunity through Natural Resources Canada (NRCan) and applied. While the ChargeON application was not approved due to high competition, we received great news on December 20, 2024, the NRCan ZEVIP application is conditionally approved, pending finalizing a contribution agreement.

One of the key reasons the application was successful was because it fills a gap in the regional charging network. These new chargers will support residents, visitors, and travelers, making it

easier to drive electric vehicles while also reducing greenhouse gas emissions. With the planned installation, long-distance EV travel, especially along Highway 401, will be more convenient.

The proposed project site on Monroe Street is close to restaurants, retail stores, and public restrooms, making it a convenient spot for EV drivers to charge up while running errands or grabbing a bite to eat.

### **Project Scope and Implementation**

The project plan includes installing two 62.5kW DC fast chargers and four Level 2 chargers. Charger Crew Canada Inc. will manage everything from design and engineering to securing permits, coordinating with Hydro One, and completing the installation. Hydro One has been consulted to ensure the site has enough power to support the chargers, making integration with the grid as smooth as possible.

The Municipality will be using ChargePoint charging equipment, known for its reliability and ease of use. The Level 2 chargers (CP6000 models) will deliver up to 19.2kW of power, which means most EVs can go from 20% to 80% charge in about two hours. The DC fast chargers (ChargePoint Express CPE250) will provide up to 62.5kW, allowing EVs to charge from 20% to 80% in just over half an hour.

To cover operating costs and ensure long-term sustainability, we recommend charging users at least twice the electricity cost per kWh for Level 2 chargers and at least three times the cost for fast chargers. This aligns with industry standards and ensures the Municipality can recover costs over time.

ChargePoint's Assure program will provide ongoing monitoring and maintenance to keep the chargers in good working order, with a 98% uptime goal.

### **Community and Economic Benefits**

This project will benefit to the community; More public EV chargers mean better accessibility for local EV owners, as well as an incentive for visitors to stop in West Elgin. With EV adoption on the rise, having the right infrastructure in place will support future growth. It also strengthens our regional connectivity, making Highway 401 a more EV-friendly travel route. Most importantly, by supporting EV use, we are actively reducing carbon emissions and moving toward a more sustainable future.

To ensure long-term reliability, Charger Crew Canada and ChargePoint will manage the operation and maintenance of the chargers.

**Financial Implications**

The total project cost is estimated at \$311,024, with a Municipal contribution of approximately \$191,024. To help offset costs, ChargePoint is offering rebates of \$2,500 per Level 2 charger and \$14,000 per fast charger, which adds up to \$33,000 in savings. These rebates can be combined with ZEVIP funding, reducing the total Municipal contribution to \$158,000. As \$60,000 was already set aside in last year’s budget, reducing the cost, if approved, to be included in the 2025 Capital Budget to be \$98,000.

Parking Lot Construction	\$ 60,000
Level 2 & 3 Chargers	<u>\$ 251,024</u>
<b>Total Project Cost</b>	\$ 311,024
Less: ZEVIP Funding	<u>(\$ 120,000)</u>
<b>Total Municipal Contribution</b>	<b>\$ 191,024)</b>
Less: ChargePoint Rebate	(\$ 33,000)
Less: Transfer from 2024 Reserves	<u>(\$ 60,000)</u>
<b>2025 Capital Spending</b>	<b><u>\$ 98,000</u></b>

The EV Charging Infrastructure Project represents a strategic investment in sustainable transportation, benefiting residents and visitors while enhancing regional connectivity. Staff recommend proceeding with the project as outlined to support the Municipality’s transition to cleaner transportation infrastructure.

**Alignment with Strategic Priorities:**

<b>Infrastructure Improvement</b>	<b>Recreation</b>	<b>Economic Development</b>	<b>Community Engagement</b>
<input type="checkbox"/> To improve West Elgin’s infrastructure to support long-term growth.	<input type="checkbox"/> To provide recreation and leisure activities to attract and retain residents.	<input type="checkbox"/> To ensure a strong economy that supports growth and maintains a lower cost of living.	<input type="checkbox"/> To enhance communication with residents.

Respectfully submitted by,

Magda Badura  
 Manager of Corporate Services /Treasurer

## Report Approval Details

Document Title:	ZEVIP 2024 Grant Funding - 2025-02-Corporate Services Finance.docx
Attachments:	- Appendix 1 - EV ChargeON Program Letter.pdf - Appendix 2 IA-0000001179.pdf
Final Approval Date:	Feb 23, 2025

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

Robin Greenall