

SUBJECT: Electric Mobility Strategy Progress Report

TO: Council Information Package (CIP)

FROM: Public Works
Transportation

Report Number: PWS-25-25

Wards Affected: N/A

Date to Committee: N/A

Date to Council: N/A

CIP date: July 11, 2025

Note: at the request of a member of council, this information report can be pulled from the CIP for consideration at a future committee/council meeting.

Executive Summary

Purpose of report:

- To provide an update on the implementation of the City's Electric Mobility Strategy.

Key findings:

- Progress has been made on the implementation of the Strategy with ten actions deemed complete related to City owned EV chargers, Burlington Hydro's sustainability plan, EV test drive events with BurlingtonGreen, and barrier free design to improve accessibility, where possible.
- Although some actions have not seen progress through City resources, other organizations such as Pollution Probe, the Clean Air Partnership, Plug'n Drive and Natural Resources Canada continue to implement actions to support electric mobility.
- A progress report on Electric Mobility Strategy actions is found in Appendix A.

Implications:

- The transportation sector (based on fuel sales) is the source of just under 50% of the community greenhouse gas emissions in Burlington.

Information Report

Background

Burlington Electric Mobility Strategy:

Electric mobility was identified as a key program area in the 2020 [Climate Action Plan](#) to support Burlington becoming a net carbon zero community by 2050. City staff worked in partnership with [BurlingtonGreen](#) to complete an [Electric Mobility Strategy](#), presented to Council in September 2022 (EICS-16-22), supported by input and feedback from community and industry stakeholders.

Status

Implementation of the Electric Mobility Strategy is ongoing. Ten actions are deemed complete, thirteen actions are either in progress or ongoing, ten actions have not yet started, and two will likely not proceed. Although some actions may not yet be in progress by the City, advancement may occur via other external organizations, such as Pollution Probe, the Clean Air Partnership and Natural Resources Canada. Progress highlights are included here with a full progress report in Appendix A.

Charging Infrastructure and Grid Capacity

- Staff have finalized the implementation of the last round of electric vehicle (EV) charging stations supported with funding from Natural Resources Canada.
- Fast chargers have been installed in the downtown parking lot across from City Hall (Lot 5b)
- Burlington Hydro presented their [Sustainability Plan](#) to the Committee of the Whole in July 2024, addressing the electrification transition and grid capacity.

City Leadership

- The City's [Green Fleet Strategy](#) was completed in 2023 and implementation is underway with low and zero emission vehicles being added to the fleet.
- Staff training is ongoing to maintain the new vehicles.

Education and Awareness

- City owned charging stations are clearly marked with pavement marking.
- Annual educational events have been held in partnership with BurlingtonGreen, hosting electric vehicle test drive sessions delivered by Plug'n Drive to promote the benefits of EVs.

- Cornerstone Association of Realtors is updating a template to identify listings that are EV ready.

Equity and Accessibility

- Staff continue to look for opportunities to install EV chargers on City property with barrier free design where space permits.

Key Performance Indicators

- Ownership of battery electric vehicles in Burlington has increased 500% since 2019, from approximately 500 to over 3,500 vehicles. (See Appendix A)
 - There are currently 38 charging stations (77 charging heads) located on City property available to the public, with 4 stations (8 heads) planned for the near future.
 - In 2022, there were 114 publicly available charging station ports in Burlington. In early 2025, that number is now 213.
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Key Dates & Milestones

- July 2020 – City Council approves the Climate Action Plan. Supporting electric mobility was identified as a key action area.
 - September 2022 – The Electric Mobility Strategy is presented to City Council.
 - June 2023 – An update report on the Electric Mobility Strategy is presented to City Council
 - July 2025 – An update report on the operation of the City's EV Chargers will be presented to the Committee of the Whole.
 - July 2025 – An update on the City's Green Fleet Strategy will be included in a Council Information Package.
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Implications

- The transportation sector (based on fuel sales) is the source of just under 50% of the community greenhouse gas emissions in Burlington.
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References

[Electric Mobility Strategy EICS-16-22](#)
[Electric Mobility Update EICS-08-23](#)
[Climate Action Plan](#)

Strategic Alignment

(Select all that apply)

- ☐ Designing and delivering complete communities
- ☐ Providing the best services and experiences
- ☒ Protecting and improving the natural environment and taking action on climate change
- ☐ Driving organizational performance

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Appendices:

A. Electric Mobility Strategy Progress Update

Notifications:

Name

Title

Contact Info

Report Approval:

All reports are reviewed and approved by the Commissioner, Head of Corporate Affairs, Chief Financial Officer, and Commissioner of Legal and Legislative Services/City Solicitor.