



Peel Zero Emission Vehicle (ZEV) Strategy

# 2025 Progress Update

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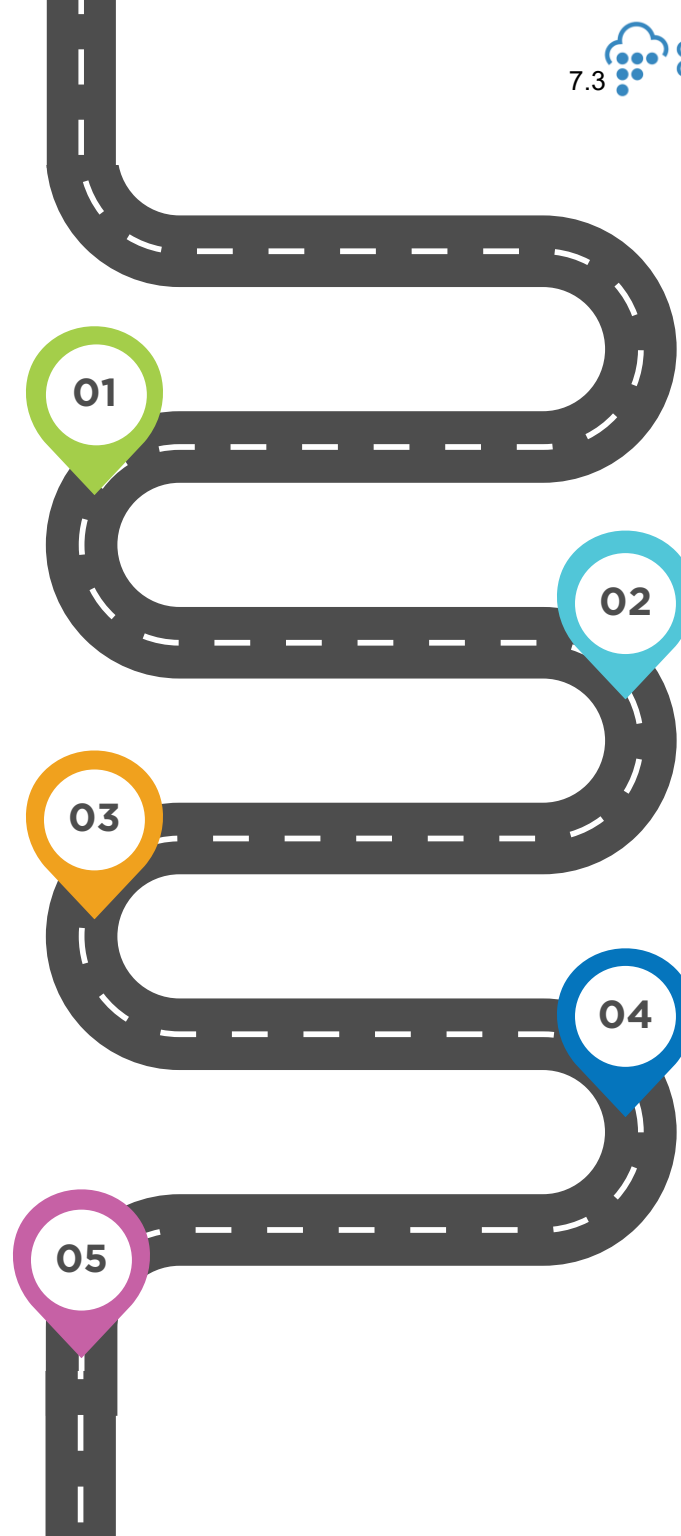


Prepared for: Environmental Action Committee  
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September 2, 2025

# Agenda

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# What is the Peel ZEV Strategy?



The Peel Zero Emission Vehicle (ZEV) Strategy, endorsed by City of Mississauga Council in 2022, provides a 5-year strategic action plan for Peel Climate Change Partnership (PCCP) Members to support increasing the use of light-duty ZEVs across our community.



Expanding Access to Public EV Charging Stations



Enhancing ZEV Education and Awareness



Enhancing Private Investments into ZEVs and Charging Infrastructure

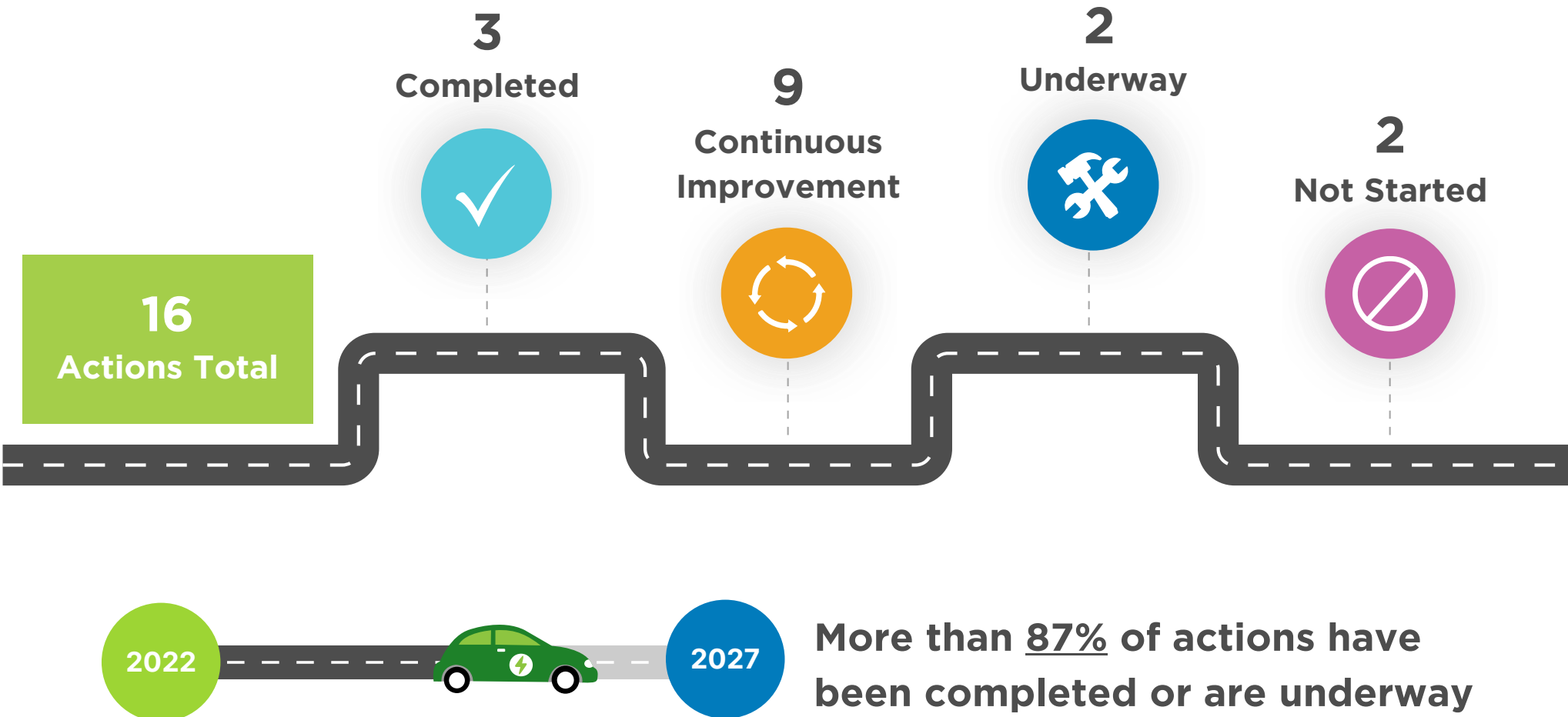


Embedding ZEV Infrastructure Considerations in the Planning Process



Advocating, Implementing and Reporting Collectively

# Progress to Date



# Mississauga Public EV Charging Network



Starting in Jan. 2025 our network consisted of 4 locations and 30 total connections. Today, with the additions of Carmen Corbasson CC & Marina Park we have a total of 48 connections across 6 public locations. The City will be adding stations at both Port Credit & Paul Coffey arenas in 2025 bringing our public charging network total to 52 connections across 8 locations.



Carmen Corbasson Community Centre



Marina Park

## 2025 New Additions:

- ✓ Carmen Corbasson Community Centre
- ✓ Marina Park
- Port Credit Arena (expected Fall 2025)
- Paul Coffey Arena (expected Fall 2025)

# Mississauga Public EV Charging Network





# Education & Awareness



## EV Charging Expo



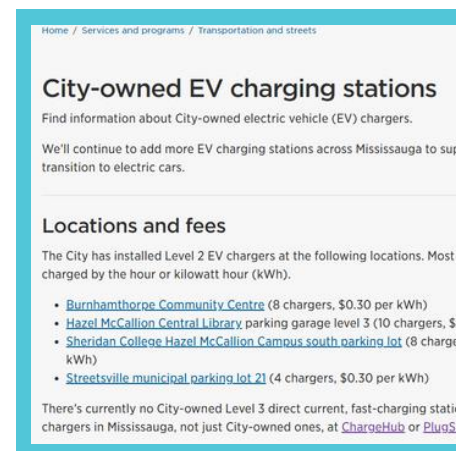
Participation at EV Charging Expo with exhibit of facilities e-transit van.

## CCCC Re-Opening



Test drives at Carmen Corbasson Community Centre (CCCC) with Plug'n Drive in June 2025.

## New EV Web Page



New EV web page provides links to Plug'n Drive and charging infrastructure maps.

[www.mississauga.ca/services-and-programs/transportation-and-streets/city-owned-ev-charging-stations/](http://www.mississauga.ca/services-and-programs/transportation-and-streets/city-owned-ev-charging-stations/)

# Advancing Hydrogen Projects in Mississauga



## Hydrogen Bus Pilot



10-bus pilot project will be launched in 2026. MiWay will be the first transit organization in Ontario to pilot this initiative.

## Hydrogen Hub Feasibility Study



Exploring how to establish a hydrogen hub in Mississauga. Analysis has been finalized. Focus is now on engagement.

## Hydrogen Conference



Hydrogen Conference will be happening Nov. 5 & 6 2025 in Mississauga. The City is a platinum sponsor and co-chair for this event.



# New EV Charging User Fee & By-Laws



The City of Mississauga successfully launched a new User Fee for using our public EV chargers on April 2, 2025.

## Implementation highlights:

- Idle time reduced by 74% at EV charging stations
- Over \$17,000 in revenue generated so far – this will cover utilities and operation and maintenance costs for the units
- Updated by-law (555-00) enforceable with \$125 ticket – users will receive a fine if they park a non-electric vehicle in an EV charging space; use an EV charging space for an electric vehicle that's not plugged in; exceed the 10-hour time limit
- New signage installed at all public locations



Old Signage



New Signage

# Grants



**Total Grants Since 2021:**  
\$685,000

**2024 Grants:** \$320,000

→ **Elexicon Grant \$100k**

Installed first level 3 charger at F125, as a dedicated charger for the City's 1<sup>st</sup> fully electric fire truck

→ **NRCan Grant \$220k**

Supplemented cost for 42 charging connections across 8 sites for corporate fleet in 2025/2026



Charger at FS125

# Regional Highlights



Fleet Vehicle Acquisition Policy updated to prioritize the purchase of ZEVS to reduce greenhouse gas emissions and minimize environment impact.



Staff attended ZEV focused webinars and the EV & Charging Expo in Toronto. They also tabled at Grow Green Fest to provide public education on EVs.



By-law report going to Council in September, leveraging Provincial template for EV Charging enforcement and ticketing of improper usage of stations.

# Next Steps for Mississauga

## Future Proofing for EV Chargers

Future proofing is in progress at 6 locations around the city



## Explore Pilot Projects in MURBs

Seek out opportunities for EV charger installations at multi-unit residential buildings



## Develop Corporate EV Roadmap

Set a 5-year roadmap for the City and explore EV ownership models for public chargers



## Continue Outreach and Engagement

Continue to provide test drives and immersive educational experiences for staff and the public





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# THANK YOU



**Learn more about the strategy:**

<https://www.mississauga.ca/publication/peel-zero-emission-vehicle-strategy/>