

Committee of the Whole (2) Report

DATE: Tuesday, September 17, 2024

WARD(S): ALL

TITLE: ELECTRIC VEHICLE CHARGING ON CITY PROPERTY

FROM:

Vince Musacchio, Deputy City Manager, Infrastructure Development

ACTION: DECISION

Purpose

To request Council approval of the **Electric Vehicle (“EV”) Charging on City Property Policy**.

Report Highlights

- The Policy Goals:
 - Standardization: Establish consistent guidelines for the installation, maintenance, and operation of EV Charging Stations at City Facilities.
 - Environmental Impact: Reduce emissions, improve air quality, and support climate change mitigation.
 - Regulatory Compliance: Ensure all EV Charging Stations meet legal and regulatory standards.
- The policy aims to achieve efficient and consistent management of EV Charging Stations, reduce environmental impact by lowering vehicle emissions, ensure compliance with relevant regulations and standards, and promote equity for all EV users.
- The Electric Vehicle (“EV”) Charging on City Property Policy has been attached for Council approval.

Recommendations

1. That 16.C.01 – Electric Vehicle (“EV”) Charging on City Property Policy be approved, substantially in the form as attached to this report.
2. That AD-019 – Workplace Electric Vehicle Charging Policy be repealed.

3. That the Director of Facility Management be authorized to sign the necessary agreement(s) relating to the Electric Vehicle ("EV") Charging on City Property Policy described in this report, on behalf of the City, all in a form satisfactory to Legal Services.

Background

The City of Vaughan has been at the forefront of promoting sustainable practices, including the installation of electric vehicle (EV) charging stations at various municipal locations. Since their initial implementation, these charging stations have been offered free of charge to encourage the adoption of electric vehicles among residents and visitors. This initiative aligns with the City's broader environmental goals and commitment to reducing greenhouse gas emissions. However, as the popularity of electric vehicles continues to grow, so too does the demand for EV charging infrastructure, prompting the City to consider a more sustainable and financially viable approach, replacing the AD-019 Policy which was initially applied to Vaughan City Hall employees only.

Previous Reports/Authority

[AD - 019 Workplace Electric Vehicle Charging Policy](#)

Analysis and Options

Facility Management with internal City Departments, proposed the Electric Vehicle ("EV") Charging on City Property Policy, to implement a fee for EV charging.

Analysis: Introducing a fee for EV charging can provide the City with a new revenue stream to offset the operational and maintenance costs associated with the charging infrastructure. A fee structure, such as charging users between \$1.50 and \$3.50 per hour, would still be affordable for EV owners while ensuring that users do not occupy charging stations for longer than necessary. This option would align the City's practices with those of other municipalities and commercial operators, who typically charge for EV charging services.

Benefits:

- Generates revenue to cover operational and maintenance costs.
- Promotes efficient use of charging stations by discouraging prolonged occupancy.
- Aligns with market practices, creating consistency for users familiar with paid charging.

Risks:

- May discourage some users from charging their vehicles, potentially slowing EV adoption.
- Requires investment in payment infrastructure and systems (e.g., integration with FLO).

Financial Impact

The revenue generated could be reinvested into further expanding and maintaining the City's EV infrastructure, thus supporting long-term sustainability goals.

Operational Impact

The implementation of a charging fee for electric vehicle (EV) users will necessitate collaboration across several departments within the City of Vaughan to ensure smooth execution and alignment with overall city operations. Facility Management has taken the lead in the initiative, primarily focusing on the logistical aspects of enforcing the new fee structure. However, the success of this project depends on input and coordination from other key departments, including the Office of the Chief Information Officer (IT), Financial Services, Legal and Administrative Services, and Public Works.

Broader Regional Impacts/Considerations

Collaboration with Regional and Provincial Authorities: The introduction of charging fees in Vaughan may necessitate dialogue with regional and provincial authorities, such as York Region and the Ontario Ministry of Transportation. These discussions could revolve around harmonizing EV policies, aligning with regional transportation and sustainability plans, and possibly securing funding or grants to support the expansion of EV infrastructure. The decision to charge for EV usage may intersect the initiatives aimed at reducing greenhouse gas emissions, requiring ongoing communication and coordination with higher levels of government.

Partnerships with External Organizations: The partnership with FLO, a leading EV charging network, exemplifies the City's commitment to leveraging external expertise and infrastructure.

Conclusion

Staff recommend Council's approval of the Electric Vehicle ("EV") Charging on City Property Policy of EV charging stations at City facilities. The recommendations outlined for the EV Charging Policy provide a comprehensive framework to ensure the successful implementation and alignment of this initiative with Vaughan's broader sustainability goals.

For more information, please contact:

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Attachments

1. 16.C.01 – Electric Vehicle Charging on City Property Policy
Facility Management, August 2024

Prepared by

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