

To: Community and Operations Services Committee

From: Kevin Alexander, Commissioner,
Community and Operations Services Department

Report Number: CO-24-37

Date of Report: June 5, 2024

Date of Meeting: June 10, 2024

Subject: Fleet Decarbonization Strategy - Update

Ward: All Wards

File: 03-05

1.0 Purpose

At its meeting of October 18, 2021, the Community Services Committee (now Community and Operations Services Committee) tabled Report CS-21-105 concerning the Fleet Services Decarbonization Strategy.

At its meeting of January 15, 2024, the Community and Operations Services Committee lifted Report CS-21-105 from the table and recommended to City Council that the Report be received for information.

At its meeting of January 29, 2024, Council referred the following recommendation from the Community and Operations Committee back to staff:

“That CS-21-105 - Fleet Services Decarbonization Strategy concerning a request for staff to adopt a vehicle purchasing policy that assumes an electric vehicle purchase as the default choice and move to a fleet replacement policy that sets ambitious targets in fleet electrification and decarbonization be received for information.”

2.0 Recommendation

That the Community and Operations Services Committee recommend to City Council:

That pursuant to Report CO-24-37 dated June 5, 2024 concerning the City's Fleet Services Decarbonization Strategy, staff continue to investigate and consider alternative options to traditional combustible fuel sources for Corporate fleet vehicles as part of future budget submissions.

3.0 Executive Summary

Not applicable

4.0 Input From Other Sources

Finance Services

Legal Services

Legislative Services

5.0 Analysis

With the support of City Council, Fleet Services has undertaken the following Green initiatives as of May 2024;

- Seven (7) electric passenger vehicles, currently in operation;
- Two (2) electric vans, currently in operation;
- Ten (10) hybrid passenger vehicles, currently in operation;
- Usage of biodiesel B10, for larger diesel equipment;
- Converted ten (10) existing gasoline powered vehicles to propane, which resulted in a \$4500 rebate from the federal government. In 2023, the City realized a savings of \$32,974 operating on propane instead of regular fuel and avoided 65.50 tonnes of carbon emissions;
- Ordered two (2) electric passenger vehicles, two (2) electric vans and three (3) electric pick up trucks approved in the 2024 Capital replacement budget;
- Corporate fleet Electric Vehicle (EV) chargers have been installed at the Oshawa Executive Airport (2), the McMillan Parkade (2) and at Oshawa Animal services (1); and,
- The City is currently undertaking an EV charging infrastructure project including the addition of twenty (20) new chargers at the Consolidated Operation Depot.

Fleet Services is respecting the current lifecycle of the existing equipment inventory. As the electric vehicle industry continues to advance technology and reliability, it is expected that more cost effective opportunities may present themselves in the future.

Fleet Services is committed to embracing emerging technologies to enhance fleet electrification and reduce emissions. This initiative aligns with the City's Council-approved [Corporate Energy Management Plan and the Energy Conservation and Greenhouse Gas Reduction Plan for 2024-2028](#). The strategic retirement of outdated equipment will

facilitate this transition, advancing the City's dedication to environmentally sustainable practices.

6.0 Financial Implications

There are no financial implication directly related to this report.

7.0 Relationship to the Oshawa Strategic Plan

This report addresses the goals set out in the Oshawa Strategic Plan goals of Financial Stewardship and Environmental Responsibility.



Mike Saulnier, Director,
Operations Services



Kevin Alexander, Commissioner,
Community and Operations Services Department