



Item 12.1.1

HALIFAX

Municipal Electric Vehicle Strategy

Environment and Sustainability
Standing Committee

November 4, 2021

HalifACT

Acting on
Climate
Together



Public Charging Infrastructure

- Ease range anxiety
- Municipally led
- Dunsky's EV Adoption Model
- 1,000 L2 ports and 100 DCFC ports by 2030
- Natural Resources Canada funding
- Operating costs recovered



Municipal EV Policies and Education

- Increase at home charging
- Charter limitations
- Requirements for new construction
- Retrofit programs
- Partner with Clean Foundations “Next Ride”
- Zero Emission Vehicle Mandate



Electric Vehicle Test Drives

Halif**ACT** Acting on Climate Together

Feel the thrill of driving electric!

Tuesday, November 9

Sackville Sports Stadium


409 Glendale Drive, Lower Sackville

10 a.m. – 4 p.m.



Limited spots available!

Pre-book your test drive at

 www.NextRideNS.com

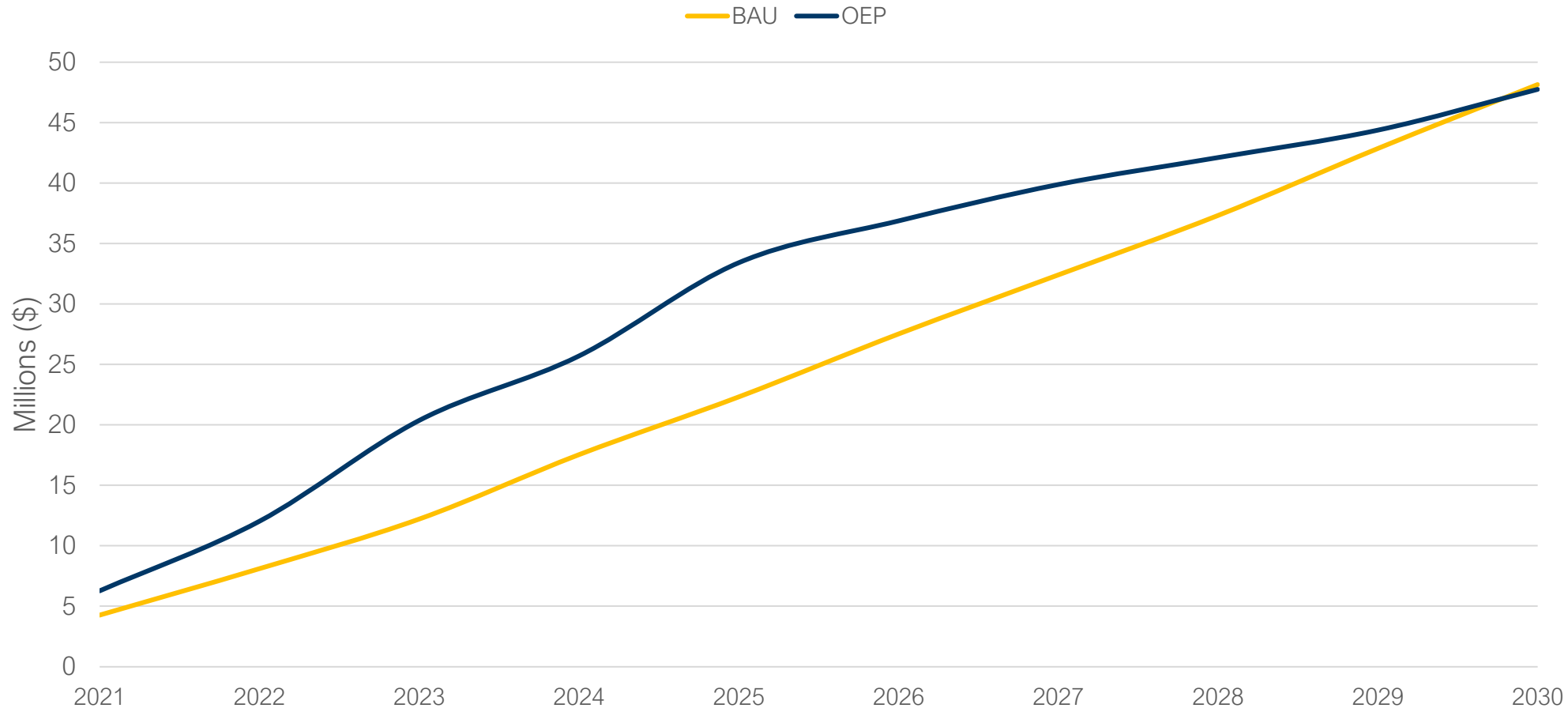
Fleet Electrification

- Net-Zero Municipal Operations by 2030
- 550 light duty fleet vehicles
- Meets operational needs
- Multi-year RFP to ensure availability and competitive pricing
- Shared charging to reduce infrastructure costs
- 65% emission reduction based on current grid forecast



Fleet Electrification

Cumulative Cost, BAU vs. OEP Scenario



HALIFAX

Financial Implications

Summary of Capital Costs	2022/23	2023/24	2024/25	2025/26	2026/31	Total
Public Charging	\$1,050,000	\$950,000	\$850,000	\$850,000	-	\$3,700,000
Fleet Vehicles	\$3,100,000	\$2,900,000	\$5,900,000	\$3,400,000	\$12,500,000	\$27,800,000
Fleet Charging	\$400,000	\$400,000	\$400,000	\$1,000,000	-	\$2,200,000
Capital	\$4,550,000	\$4,250,000	\$7,150,000	\$5,250,000	\$12,500,000	\$33,700,000

*Does not include cost sharing, rebates or efforts from other organizations

HALIFAX

Recommendation

1. Adopt the Halifax Regional Municipality Electric Vehicle Strategy as set out in Attachment 1 of this report;
2. Recommend that the Minister of Municipal Affairs and Housing prescribe additional standards by regulation of the *Building Code Act* to require “EV Ready” parking stalls for the construction of new buildings within the Halifax Regional Municipality and request the Mayor write a letter to the Minister requesting these regulations; and
3. Request the Mayor write a letter to the Premier of Nova Scotia requesting that the Zero Emission Vehicle mandate, introduced in the *Environmental Goals and Climate Change Reduction Act*, be strengthened to better align with HalifACT.

Thank You

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