

Electric Vehicle Strategy

Committee of the Whole May 20, 2021



1

Purpose

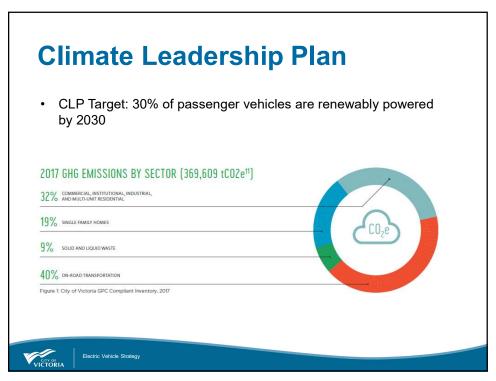
The purpose of this report is to share the directions contained within the draft City of Victoria Electric Vehicle Strategy.

This presentation will provide an overview of:

- · City's Climate Leadership Goals
- · Victoria's current EV context
- The process followed to develop the EV Strategy
- · EV Strategy recommendations

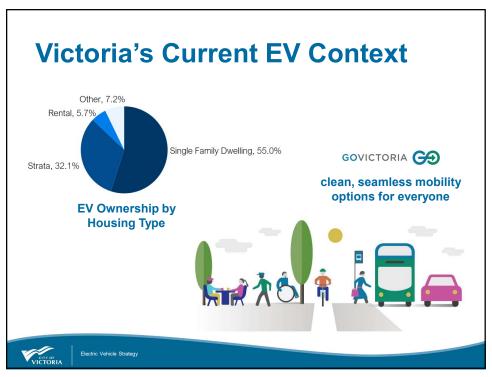


Flectric Vehicle Strategy





Victoria's EV Context • At 13% of new sales, Victoria has the highest rate of EV sales in Canada. **To Sales in Canada** **Figure 5: EV ownership per 1000 people by census tract in Victoria for 2018 (left) and 2020 (right). (Data Source: [3])



Forecasting (business-as-usual)

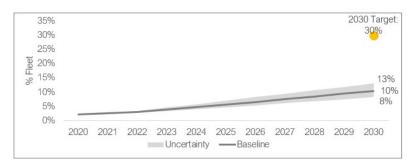
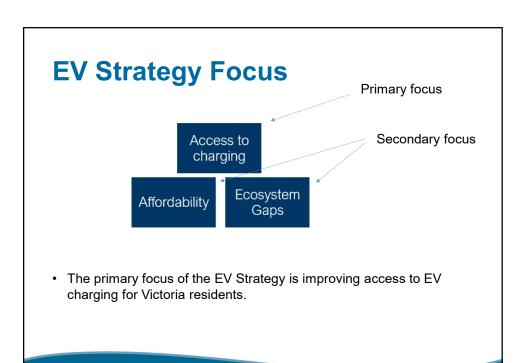


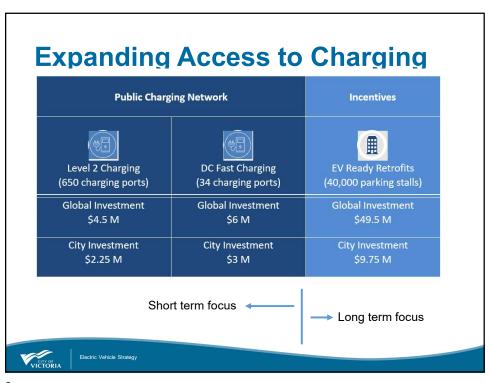
Figure 5 Victoria's business-as-usual EV adoption in comparison to the 2030 target

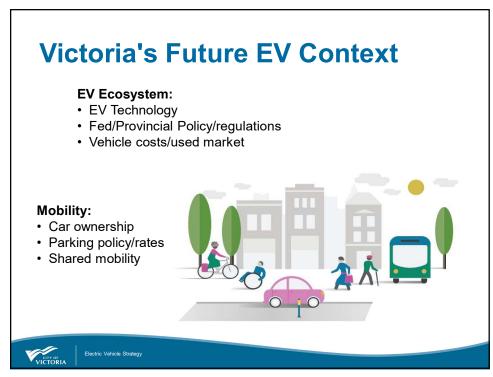
Business-as-usual scenario leaves the City 20% shy of target.

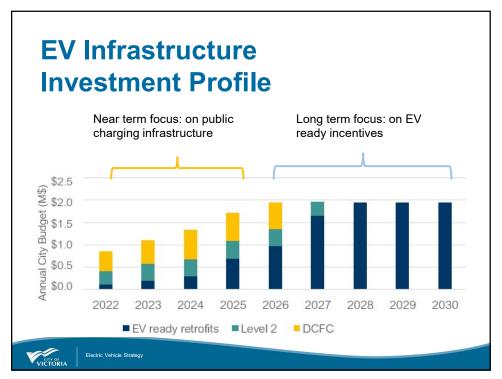


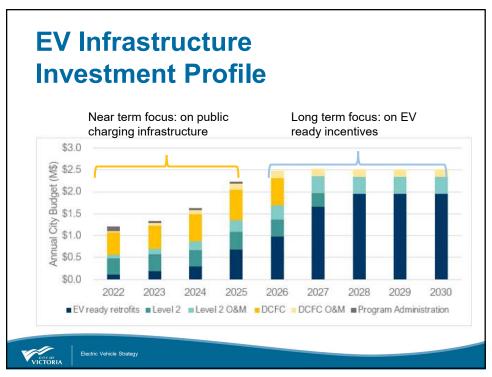
7

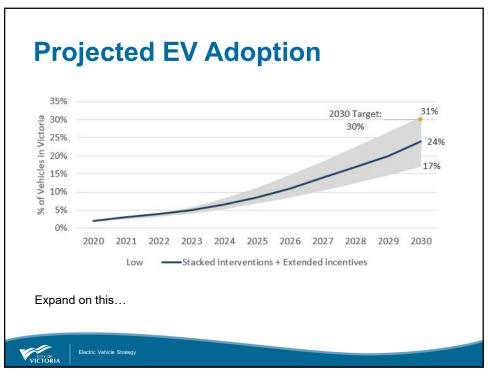












Potential Policy or Initiative	Objectives
nvest in public Level 2 EV nfrastructure and DC Fast Charging	Environment: Through supporting adoption of EVs this investment also supports clean transportation goals of OCP, Climate Leadership Plan and GoVictoria. Equity: Provides convenient, fast charging to users without access to charging at home. Locating multiple chargers in a single hub can support a larger volume of EV drivers as adoption increases. Economic Development: On-street Level 2 and DCFC can support opportunity charging. Access to such charging may be particularly important for ride-hailing, taxis, and other high-mileage vehicles. Affordability: Supports access to transportation with low operating and maintenance costs to all city residents.
nvest in EV Ready nfrastructure	Environment: Supports clean transportation goals of OCP, Climate Leadership Plan and GoVictoria. Equity: Provides an opportunity to access home EV charging to all City residents rather than just those in single family homes or new multi-family buildings. Economic Development: Retrofitting will support growth in clean tech businesses and regional electrical contractors.
Advocacy to other orders of Government	Environment: The City of Victoria's targets are aligned to support the Paris Agreement and deliver on the commitments made to address the Climate Emergency. Affordability: In some areas City targets are more ambitious than those of other orders of government. Advocating for stronger Provincial and Federal emission reduction targets may result in additional government regulations and investments by others reducing the need for municipal investment.

Recommendations

That Council:

- a) Receive the draft City of Victoria Electric Vehicle Strategy to support implementation of the Climate Leadership Plan for information (Appendix B).
- b) Receive the draft *Electric Vehicle Strategy Technical Report* for information (Appendix C).
- c) Direct staff to bring forward a 5 year capital plan including a budget request for 2022 as part of the 2022 Financial Planning process that is aligned with this strategy to support delivery of targets identified in the Climate Leadership Plan and Go Victoria.
- d) Direct staff to bring back the final version of the City of Victoria Electric Vehicle Strategy for approval in Q4 2021.



lectric Vehicle Strategy