Q. (Reference EV Load Management Pilot Project, pages 1 and 4) It is stated "*It is appropriate to conduct the EV Load Management Pilot Project in the province at this time….*" Further, it is stated (page 4) that EV adoption in NL continues to lag behind other provinces accounting for "*only 787 of the 383,000 vehicles on the province's roads*" in the first quarter of 2023. Finally, Figure 1 shows that the forecast light-duty EV adoption in the province is about 25,000 vehicles in 2030 under the "*moderate growth*" forecast.

a) Please confirm that 787 EVs represents approximately 0.2% of the 383,000 vehicles.

b) Is the number of light-duty EVs in the province forecast to be about 6.5% of the total number of light-duty vehicles in 2030?

c) Does Figure 1 show EV adoption by NL residential owners only, or does it encompass all owners? If it is the latter then please provide a revised Figure 1 for residential owners only.

d) Please explain why it is appropriate to conduct the EV pilot project "*at this time*" given the limited EV market penetration in the province now and into 2030.

e) Please provide evidence as to the market situation pertaining to availability for EVs generally, as this pertains currently throughout Canada and the USA, and how it affects the province.

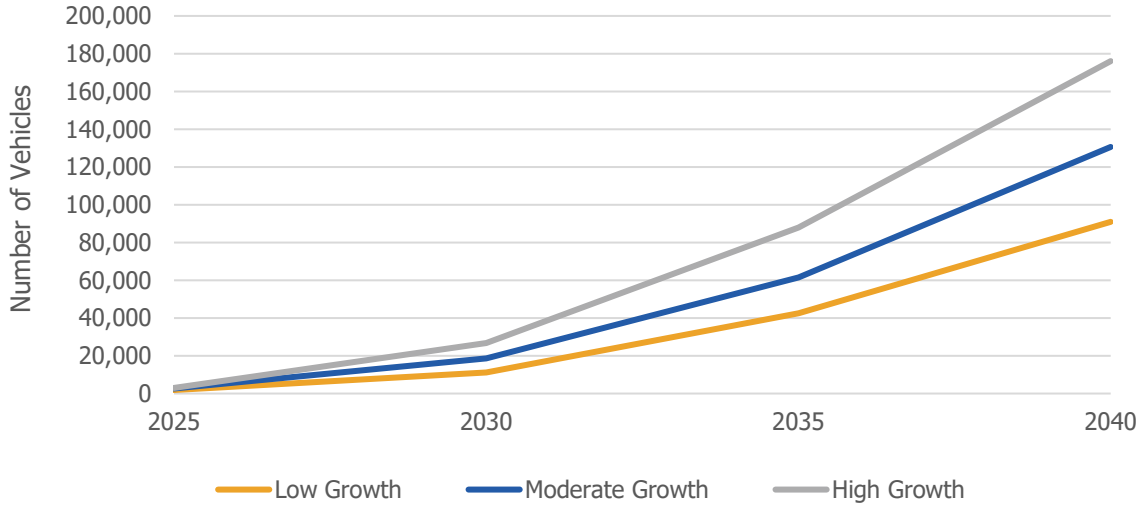
f) Please provide costing for EVs generally and how this costing compares with the costing for non-EV manufactured vehicles.

A. a) It is confirmed.

b) The number of light-duty EVs in the province is forecast to be about 6.1% of total light-duty vehicles under the "moderate growth" scenario in 2030.

c) Figure 1 below restates the identified figure to include residential EV owners only.

Figure 1
Forecast Light-Duty EV Adoption - Residential Only
(2025-2040)



d) See part (a) of the response to Request for Information CA-NP-017.

e) The market availability and manufacturing of EVs is improving throughout Canada and the United States, which can be expected to have a positive impact on EV availability in this province. For more information, see the response to Request for Information CA-NP-018.

f) Based on 2023 data of manufacturers' suggested retail price, the average cost of an all-electric vehicle is approximately $53,000 (exclusive of rebates), whereas the average cost of a comparable non-electric vehicle is approximately $37,000.[1]

[1] Federal and provincial rebates of up to $7,500 are available for the purchase or lease of an EV in Newfoundland and Labrador.