Q. (Reference EV Load Management Pilot Project, page 13) Page 13 identifies three types of information, enumerated (i), (ii) and (iii), that will be collected during the proposed pilot.

a) Could the type (i) information "*EV owners' normal EV charging behaviours in the province, including the frequency and timing of charging and associated system impacts*" be gleaned from the load research study being undertaken by NP in response to the agreement reached at the 2022/23 GRA?

b) Could the type (ii) information "*The amount of EV load that can be shifted based on customers' response to, and acceptance of, passive and active load management strategies*" be gleaned from EV charging load management pilots and programs implemented by other Canadian utilities?

c) Could the type (iii) information "*The costs and challenges associated with implementing load management strategies in the province, including the use of different technologies such as Level 2 smart chargers and vehicle telematic*s" be gleaned from EV charging load management pilots and programs implemented by other Canadian utilities and customer surveys conducted during the normal course of NP's interactions with household customers, or alternatively, specific customer surveys?

d) What would it cost to develop a charging load management approach based on the load research study results, Canadian utility experience with load management pilot programs and NP customer surveys? Could the external consultant and internal resource involved in the load research/rate design studies stemming from the 2022/23 GRA conduct such a study? What are the pros and cons of such an approach relative to the approach proposed for the pilot project?

e) Please file a copy of the resume and work description for the internal resource hired to manage and coordinate the load research/rate design studies, and please provide and itemize all costs incurred to date in reference to these studies.

A. a) No. The granularity of data required on EV charging behaviours in the province is outside of the purpose and scope of Newfoundland Power's Load Research Study. See part b) of the response to Request for Information CA-NP-001.

b) No. Jurisdiction-specific information is required to assess the costs and challenges of implementing these strategies in Newfoundland and Labrador. See part a) of the response to Request for Information CA-NP-006.

c) No. As addressed in part b), jurisdiction-specific information is required to assess the costs and challenges of implementing strategies for EV load management in Newfoundland and Labrador. The type of information required could not be collected during a survey alone. For example, customers may indicate during a survey that they charge their vehicles each night. However, a survey could not determine their actual amount of load each day, which would vary based on factors such as the state of charge at the time of connection. Similarly, customers may respond favourably to the concept of an incentive for shifting EV charging during a survey, but a survey could not prove the actual effectiveness of incentives in

changing customers' behaviours or the related system impacts. This information can be properly collected during a pilot project, as proposed.

d) Newfoundland Power does not have a cost estimate for the stated alternative of using a combination of the Load Research Study results, Canadian utility experience and customer surveys to collect the information required on EV load management strategies. As discussed in parts a) through c), this is not a valid alternative to the proposed pilot project as it would not provide the information required to assess the cost-effectiveness of strategies to manage EV load in Newfoundland and Labrador. A discussion of the pros and cons of this alternative is therefore not relevant.

e) The internal resource hired to manage the ongoing Load Research Study and Rate Design Review is Newfoundland Power's Rates and Cost Specialist. The Rates and Cost Specialist is a Chartered Professional Accountant with a Masters Certificate in Business Analytics from York University and an Accounting Diploma from the Cabot Institute of Applied Arts and Technology. The individual's professional career spans 35 years, including 28 years in the province's electric utility sector focused on load forecasting, rate reviews, economic analysis and financial planning. Prior to this position, the Rates and Cost Specialist held various roles within Newfoundland and Labrador Hydro and Nalcor Energy.

The work description for the Rates and Costs Specialist includes developing documentation for the Load Research Study and Rate Design Review, such as frameworks and scopes of work. It also includes coordinating internal efforts at Newfoundland Power to complete the studies, such as coordination with the technology, meter reading, procurement, customer rates and customer relations functions of the Company.

Table 1 outlines the costs incurred to date for Newfoundland Power's Load Research Study.

Table 1
Load Research Study
Costs Incurred to June 23, 2023

Description	Amount
Labour	$ 54,202
Other Company Fees	$ 41,867
Metering Costs	$0
Total	**$ 96,069**

Table 2 outlines the costs incurred to date for Newfoundland Power's Rate Design Review.

Table 2
Rate Design Review
Costs Incurred to June 23, 2023

Description	Amount
Labour	$ 41,900
Other Company Fees	$0
Advertising	$0
Total	**$ 41,900**