

1 Q. **Reference: Application**

2 Does Hydro have the ability to develop typical load profiles for its customers that might be used,
3 for example, to manage EV charger demand, high efficiency heat pump demand, etc?

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6 A. The last load research study was completed in 2006 as a joint initiative between Newfoundland
7 and Labrador Hydro (“Hydro”) and Newfoundland Power Inc. (“Newfoundland Power”). In
8 Newfoundland Power’s 2022/2023 General Rate Application Settlement Agreement,
9 Newfoundland Power agreed to conduct a load research study. The plan for this study was
10 provided to the Board of Commissioners of Public Utilities (“Board”) and parties in June 2023
11 and, according to Newfoundland Power’s submission, its consultant will study loads through two
12 winters (2023–2024 and 2024–2025).¹ In the interim, regarding the management of electric
13 vehicle (“EV”) charging, Newfoundland Power, with a letter of support from Hydro, submitted
14 an application for an “EV Load Management Pilot Project”² designed to “assess the cost-
15 effectiveness of strategies to manage light-duty EV load on the Island Interconnected System,”
16 which has since been approved by the Board of Commissioners of Public Utilities.³

17 While no similar management program exists for heat pumps, Hydro believes high-efficiency
18 cold climate heat pumps will have less of a demand impact at peak grid times than electric
19 resistance heating.

¹ “Load Research Study Plan,” Newfoundland Power Inc., June 15, 2023.

² “EV Load Management Pilot Project,” Newfoundland Power Inc., June 2, 2023.

³ Public Utilities Act, RSNL 1990, c. P-47, Board Order No. P.U. 23(2023), Board of Commissioners of Public Utilities, August 31, 2023.