

1 **Q. In Newfoundland Power’s 2021 Electrification, Conservation and Demand**
2 **Management Application a sample size of 125 for its EV Demand Response**
3 **Pilot Program was proposed. Please explain why 200 participants are now**
4 **being proposed for the pilot program.**
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6 A. The scope of the EV Load Management Pilot Project and the context within which it is
7 being proposed is somewhat different than what was filed with the *Electrification,*
8 *Conservation and Demand Management Plan 2021-2025* (the “Plan”) in 2020.
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10 In 2020, there were 201 light-duty EVs registered in Newfoundland and Labrador. The
11 prevailing technology to manage EV load at that time was Level 2 smart chargers and
12 the planned pilot project was envisioned to work in tandem with an incentive program
13 for Level 2 smart chargers. A sample size of 125 participants appeared reasonable in
14 that context.
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16 At the end of the first quarter of 2023, the number of light-duty EVs in the province had
17 increased to 787.¹ A sample size of 200 participants provides a reasonable degree of
18 statistical significance in this context. The larger sample size also provides
19 Newfoundland Power an opportunity to test EV load management using vehicle
20 telematics, which was not envisioned at the time of filing the Plan and was not included
21 in the scope of the original pilot project.² Further, the Company determined that a
22 sample size of 200 participants would be beneficial in the current context as it would
23 assist in investigating a combination of different passive and active load management
24 strategies, which may be challenging with a substantially smaller sample size.
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26 Newfoundland Power notes that, while the Application indicated a potential sample size
27 of 200 participants, the final sample size will be determined in consultation with the
28 third-party service provider selected to deliver the pilot project.³ Practical limitations,
29 such as the province’s limited EV population, may also impact the number of participants
30 ultimately recruited to participate in the pilot project.

¹ See the Application, *EV Load Management Pilot Project* report, page 4, lines 7 to 9.

² For more information, see the response to Request for Information PUB-NP-004.

³ See the Application, *EV Load Management Pilot Project* report, page 13, footnote 28.