

1 Q. On page 1 of the Electrification, Conservation and Demand Management Plan 2021–2025
2 [Schedule 3] it is noted that the electrification programs are forecast to increase energy usage
3 by 47.1 GWh over the duration of the 2021 Plan. How much of this is related to the (i) energy
4 use at the EV charging stations themselves, (ii) energy use away from the charging stations by
5 EVs that are assumed to be purchased as a result of the presence of Hydro’s charging stations,
6 (iii) other EV programs run by Hydro (if any)? Does the estimate for EV charging stations
7 reconcile to the incremental revenue estimate in Appendix A of Schedule 1?

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10 A. As noted in Newfoundland and Labrador Hydro’s (“Hydro”) application,¹ expected electric
11 vehicle (“EV”) charging behaviors are such that more than 95% of EV charging will take place at
12 users’ homes or work. Based on this information:

- 13 • Energy use at public EV charging stations is estimated at 2% or 0.8 GWh;
- 14 • Energy use away from public EV charging stations is estimated at 98% or 46.3 GWh; and
- 15 • Home, workplace, and public charging account for all programs considered in the plan.

16 The Conservation Potential Study,² prepared by Dunksy Energy Consulting, reflects all potential
17 energy sales for the entire Island Interconnected System (Hydro and Newfoundland Power Inc.)
18 and will therefore not reconcile to Appendix A of Schedule 1 which reflects the impacts of
19 electrification programming for Hydro’s customers only.

¹ “Application for Approvals required to Execute Programming Identified in the Electrification, Conservation and Demand Management Plan 2021–2025,” Newfoundland and Labrador Hydro, rev. 1, July 8, 2021 (originally filed June 16, 2021), sch. 3, sch. D, p. 3.

² “Application for Approvals required to Execute Programming Identified in the Electrification, Conservation and Demand Management Plan 2021–2025,” Newfoundland and Labrador Hydro, rev. 1, July 8, 2021 (originally filed June 16, 2021), sch. 3, sch. C.