

1 **Q. (Application Volume 1, Table 2-2, page 2-12) Do these figures incorporate any**
2 **impacts stemming from NP charging station infrastructure?**

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4 A. Table 2-2, as referenced in this Request for Information, provides forecast annualized
5 energy usage of the Residential Electric Vehicle (“EV”) and Charger program and the
6 Commercial EV and Charger program. The forecast of annualized energy usage is based
7 on the EVs adopted as a result of these programs.

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9 The availability of public charging infrastructure will impact customers’ adoption of EVs
10 and the energy usage resulting from EVs. The Dunsky report found that the single largest
11 factor influencing the adoption of EVs in the province is access to fast charging
12 infrastructure.¹

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14 Access to fast charging infrastructure is limited in Newfoundland and Labrador² and lags
15 behind that of other Canadian provinces.³ Private sector investment in fast charging
16 infrastructure is currently constrained by a weak business case. The weak business case
17 reflects the upfront costs of installing EV charging infrastructure and the limited number
18 of EVs in the province. Without investment in adequate charging infrastructure through
19 Newfoundland Power’s proposed EV Charging Network, customers’ adoption of EVs is
20 expected to be limited. This, in turn, would affect the energy usage attributable to the
21 programs shown in Table 2-2.

¹ See Newfoundland Power’s *2021 Electrification, Conservation and Demand Management Application, Volume 2, Schedule C*, page 145 of 325.

² Newfoundland and Labrador Hydro is installing 14 fast chargers in the province. These will be the first public fast chargers installed in Newfoundland and Labrador.

³ According to Natural Resources Canada, there are currently over 5,400 electric vehicle charging stations across Canada. The majority of public charging stations are concentrated in Quebec (47%), Ontario (25%) and British Columbia (17%). Newfoundland and Labrador ranks last, with 0.4% of total charging stations in Canada.