

1 Q. **Reference: Study, section 4**

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3 Please quantify the impact load attrition, energy efficiency programs and load management
4 initiatives on the Labrador East and Labrador West load forecasts.

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7 A. For forecasting future rural load requirements, Newfoundland and Labrador Hydro
8 (“Hydro”) relies on annual net residential customer additions and net General Service load
9 additions, which implicitly reflect historical load attrition. As Hydro does not quantify and
10 track historical load attrition for the Labrador Interconnected rural systems, the impact of
11 load attrition cannot be quantified. Note that industrial load forecast requirements do not
12 include load reductions due to load attrition.

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14 Hydro’s load forecast methodology does not explicitly account for and include demand and
15 energy savings associated with Hydro’s “TakeCharge” energy efficiency programs and
16 therefore cannot be quantified. The customer response to Hydro’s energy efficiency
17 programs on the Labrador Interconnected System to date has been very modest with the
18 energy savings impact of utility sponsored energy efficiency programs measured at less
19 than 0.5% per year from the period 2009 through 2017. It should be noted that Hydro’s
20 forecasted load requirements do include a forecast modest reduction in annual electricity
21 intensity for its residential customers through the longer term.

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23 There are no load management initiatives included in the Labrador East and Labrador West
24 peak demand forecasts.