

- 1 Q. Has Hydro carried out a least-cost planning exercise with respect to additional loads
2 in Labrador? Please provide a detailed description of the analyses carried out by
3 Hydro with respect to the potential for and cost implications of:
- 4 a. Interruptible or curtailment options for DND or other large power users;
 - 5 b. Demand response for residential or commercial customers, including:
 - 6 i. remote management of space or water heating loads; or
 - 7 ii. critical peak pricing options, which provide bill rebates to customers that
8 reduce their demand in response to declared system reliability events;
 - 9 c. Energy storage options, taking into account the recent fall in costs of utility-
10 scale energy storage systems. Please include the date on which Hydro most
11 recently made a cost estimate for energy storage options.
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- 14 A. Please refer to Hydro’s response to question 9 in “Attachment 2 – Responses to
15 Labrador Interconnected Group Questions”, submitted by Hydro on March 6, 2018.
16 This response includes commentary on interruptible or curtailment options for
17 general service customers, including DND and other large power users. As also
18 stated in the response, it is Hydro’s the belief that rates are too low to signal
19 customer initiated demand side management. With respect to energy storage
20 options, the only available data that Hydro has was quoted in the response to
21 question 9 in “Attachment 2 – Responses to Labrador Interconnected Group
22 Questions”. These energy storage options are currently limited in their ability to
23 deliver over extended durations and are more expensive than the capacity-only
24 alternative of diesel generation.

- 1 It should be noted that none of these options address the reliability concerns for
- 2 Labrador East.