

1 Q. **Reference: Attachment 1- Long-Term Supply for Southern Labrador - Economic and Technical**
2 **Assessment**

3 Further to the response to NP-NLH-026, page 1 of 1, lines 13-14:

4 a) What are the current specific contingency plans for each of the following individual
5 communities: Charlottetown, Port Hope Simpson, Mary's Harbour, and St. Lewis?

6 b) How would each of these contingency plans change as a result of implementing
7 Alternative 3A?

8 c) Does Hydro plan to have access to sufficient mobile generation (either via its own fleet
9 or through rental organizations) to provide adequate power to the four communities
10 being served by the central Port Hope Simpson diesel generating station in the event
11 that the plant was to become non-operational? If so, please identify the Hydro-owned
12 mobile generation that would be deployed as well as the amount of additional mobile
13 generation that would have to be garnered from other sources.

14 d) Does Hydro have concerns with respect to the transport of mobile generation to these
15 relatively remote communities in emergency situations especially during winter
16 months?

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19 A. a) Contingency plans are in place to provide service on Newfoundland and Labrador Hydro's
20 ("Hydro") isolated systems in the event of long-term diesel generating station outages. As
21 noted in Hydro's response to NP-NLH-026 of this proceeding, Hydro's contingency plan
22 includes maintaining Hydro-owned backup mobile generators as well as a record of rental
23 mobile generators available in the province should they become required. Currently there is
24 a 600 kW mobile generator stationed in Charlottetown that is not connected that can be
25 utilized on any of Hydro's 600 V diesel generating stations in the event of an emergency.
26 This unit has recently been utilized in Makkovik and Port Hope Simpson.

- 1 b) Hydro’s contingency plans would not change as a result of the implementation of
2 Alternative 3a, as Hydro would still operate diesel generating stations in southern Labrador.
3 The list of available units would be updated to include the three mobiles that are currently
4 in use in Charlottetown Units 2102, 2088, and 2089 in addition to the other mobiles that
5 Hydro has available and available rental units. Hydro’s 600 kW, 600 V mobile would remain
6 available for emergency use and would still likely be stationed at a diesel generating station
7 on the south coast until required.
- 8 c) In the event some mobile generation is required at the regional diesel generating station,
9 Hydro would either relocate Unit 2082 from L’Anse-au-Loup, which is rated for 1,825 kW, or
10 rent a suitable unit if Unit 2082 was required to provide firm capacity to the L’Anse-au-Loup
11 system (i.e., during the winter months). Hydro considers this scenario unlikely, as the
12 proposed diesel generating station is designed to be able to run without its two largest units
13 available. The risk of catastrophic failure impacting the entire diesel generating station is
14 greatly mitigated by the regional diesel generating station having a fire suppression system
15 such as that being installed in Hydro’s existing diesel generating stations. In the extreme
16 event of a total loss of the regional diesel generating station, Hydro would be required to
17 rent two to three units in addition to using Unit 2082 if it were available.
- 18 d) The southern Labrador communities are accessible by the Trans-Labrador Highway or by sea
19 and do not pose major transportation concerns for Hydro. Road closures due to poor
20 weather presents a risk in many regions that Hydro services and is not limited to southern
21 Labrador; however, such closures are generally remediated within 24 hours.