

1 Q. Under what scenarios would the post Muskrat Falls power system be less reliable
2 and adequate than the power system currently in place?

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5 A. Hydro does not believe there would be any scenarios where the post-Muskrat Falls
6 power system would be less reliable than the power system currently in place. In
7 fact, the reliability of supply to customers will be improved for the following
8 reasons:

- 9 • Power from Muskrat Falls via the Labrador-Island Link will have a level of
10 reliability higher than that of the Holyrood thermal generating units, which it
11 will replace. The responses to PUB-NLH-124 and GRK-NLH-60 indicate the
12 forced outage rate associated with Muskrat Falls and LIL to be in the range of
13 1% while the historic forced outage rates for the units at Holyrood have been in
14 the range of 10%.
- 15 • The Maritime Link will provide an alternate supply of up to 300 MW to the
16 Island system further enhancing reliability.
- 17 • In the post-Muskrat Falls system, the requirement to utilize underfrequency
18 load shedding to mitigate on-island generation loss will be eliminated (see
19 Hydro's response to PUB-NLH-222), thus reducing customer outages and further
20 improving reliability.