

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?

3

4

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