

1 Q. How much emergency support will Hydro be able to rely on over its
2 interconnections post Muskrat Falls? Please provide details for the calculation.
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5 A. Hydro's response to PUB-NLH-217 outlines the emergency support available over
6 the Maritime Link via the Nova Scotia Power system. The Labrador system has a
7 large interconnection with the Hydro Quebec system which can import a large
8 amount of power over three 735 kV transmission lines. The amount of import
9 support from the Hydro Quebec system will be limited only by the transmission
10 capability in Labrador. The Labrador-Island Link (LIL) has a capacity of 900 MW from
11 the Labrador end of the link. However, in order to be able to reliably operate the LIL
12 at 900 MW, at least two of the four units at Muskrat Falls must be operating to
13 provide reactive power support for the Muskrat Falls converter station. With no
14 generation available at Muskrat Falls, the LIL can provide approximately 225 MW of
15 support to the Island and with one unit online at Muskrat Falls, approximately 700
16 MW can be transmitted to the Island.