

1 **Q. Please provide Mr. Ghannoum’s opinion of the implications for the reliability of the**
2 **Island Interconnected System if his opinion on the return period for the LIL is**
3 **correct.**

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5 A. Mr. Ghannoum’s analysis concludes that the reliability of the Labrador Island Link
6 (“LIL”), in terms of the structural overhead transmission line design, is less than what is
7 claimed by Hydro and less than what is prescribed by the Canadian and International
8 overhead transmission line design standards.¹ Put simply, this means that the risk of an
9 outage on the LIL is higher than what is typically expected for transmission lines of this
10 nature.

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12 Mr. Ghannoum’s analysis implies that additional measures may be required to mitigate
13 the risk of outages to the LIL, particularly during the peak load season. Options that are
14 typically considered to mitigate the risk of transmission line failures include (i) upgrading
15 existing transmission lines, (ii) building additional generation, and (iii) securing reliable
16 access to power via adjacent utilities or transmission systems. Consideration of such
17 options is often evaluated through an integrated resource planning process.

¹ See Page 1, Lines 20-26 of the response to Request for Information PUB-NP-312.