

1 **Q: Reference: Liberty Consulting Report, August 19, 2016, Review of**
2 **Newfoundland and Labrador Hydro Power Supply Adequacy and Reliability**
3 **Prior to and Post Muskrat Falls Final Report**
4

5 **On page ES-1, it is stated:**

6 *“Our review concludes that the interconnection of the IIS with Muskrat Falls and*
7 *the Maritime Link can represent a state-of-the-art electrical system whose*
8 *reliability is improved over today’s circumstances.”*
9

10 **In Liberty's experience, are there other jurisdictions in Canada that have a**
11 **large generation source located away from the primary load center that rely on**
12 **support from outside sources such as the United States for emergency power in**
13 **the event they lose the transmission between the major source of generation and**
14 **the primary load center? If so, is the reliability in these jurisdictions**
15 **comparable to reliability in jurisdictions with more integrated system**
16 **configurations where the generation is located more closely to the demand**
17 **centers?**
18

19
20 **A.** Liberty’s report suggests that more capacity is needed to produce an appropriate
21 level of reliability on the IIS, particularly in the event of a Labrador Island Link trip.
22 An off-island source is not the only option, and may not be a preferred, or even a
23 feasible, option.
24

25 The use of a source so far from the load center would, in our experience, be unique.
26 We are not aware of another Canadian jurisdiction that relies on such an emergency
27 source. One would expect that reliability is enhanced when generation, ordinary or
28 emergency, is located near the load.
29

30 The potential use of the Maritime Link as a backup source should not, however, be
31 ruled out.