

1 Q: Reference: *Review of Newfoundland and Labrador Hydro Power Supply*
2 *Adequacy and Reliability Prior to and Post Muskrat Falls Final Report, Page ES-*
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5 *"The IIS is a relatively small system, approximately 1,700 megawatts, with the*
6 *majority of its load centered on the Avalon Peninsula. The size of Muskrat Falls*
7 *(824 megawatts) and the associated delivery capacity, the LIL, is large for the size*
8 *of the IIS. This presents challenges from a reliability perspective given the*
9 *consequences of the instantaneous loss of the LIL. Hydro's system design seeks to*
10 *minimize the potential for outages, but outages cannot be completely avoided. "*

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12 **The supply to the Avalon Peninsula requires 230 kV transmission lines as well**
13 **as the Labrador Island Link. These lines pass through the Isthmus of the**
14 **Avalon which is exposed to severe winds and icing and where previous**
15 **transmission line failures have occurred. The same occurs in the Long Range**
16 **Mountains where the corridors of the Labrador Island Link and other**
17 **transmission lines are in close proximity. Please describe the extent to which**
18 **Liberty considered the consequences of simultaneous failures of multiple**
19 **transmission lines on the Isthmus of the Avalon or in the Long Range**
20 **Mountains in its review?**

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23 A. Liberty did not consider "the consequences of simultaneous failures of multiple
24 transmission lines on the Isthmus of the Avalon or in the Long Range Mountains".