

1 Q. **Reference: Assessment of Labrador Island Transmission Link (LIL) Reliability in Consideration**
2 **of Climatological Loads, March 10, 2021 (Haldar Report) by Dr. Asim Haldar, Ph.D., P. Eng.**
3 **page 86, lines 2456-2462.**

4 In Dr. Haldar’s opinion the LIL design does not meet the requirement of critical load
5 combinations and the design is not adequate with respect to unbalanced loads. He further says
6 that the towers in Labrador do not have sufficient structural integrity and, in certain scenarios,
7 the LIL could experience structural failure. Is this concern limited, in Dr. Haldar’s opinion, to
8 only sections of the LIL in Labrador?

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11 A. *The following response has been provided by Haldar and Associates.*

12 Omissions of general load combinations under unbalanced ice loads were identified for all
13 sections; however, the impact is more pronounced in Labrador section of the line and is
14 currently under investigation by Newfoundland and Labrador Hydro (“Hydro”).

15 *Newfoundland and Labrador Hydro provides the following additional information.*

16 The findings of this investigation on unbalanced icing will be presented in Hydro’s Q4 2021
17 report and will include results from both the island and Labrador sections of the Labrador-Island
18 Link. At this time, Hydro does agree with Haldar and Associates that the impact of unbalanced
19 ice loads appears to be greater in Labrador where the system includes five cables as opposed to
20 three.