

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 In an April 30, 2021 letter to the Board Hydro stated:

4 Additional scenarios and return periods were identified by Haldar & Associates  
5 based on line length considerations. The original design did not contemplate the  
6 impact of line length on reliability as this is not a requirement under the CSA  
7 standard. Haldar & Associates identified the independency between glaze and  
8 rime icing and the line length to be an important consideration. Correlations  
9 under both a DLS and a ULS scenario resulted in both having a return period of  
10 less than 50 years. Hydro has yet to determine its position with respect to this  
11 finding identified by Haldar & Associates. The consideration of overall line  
12 length and regional correlation will have a material impact on the overall  
13 calculated assessment of reliability of the line. Over the course of the coming  
14 weeks, Hydro will continue to evaluate the considerations identified by Haldar &  
15 Associate with respect to this concept to determine whether it should proceed  
16 with further work in this regard.

17 Has Hydro concluded its consideration of this finding? If yes, explain Hydro's position and  
18 whether it will be undertaking further work to address this finding. If no, explain what Hydro is  
19 doing to ensure it is fully considering this finding.

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22 A. In accordance with the recommendations from Dr. Haldar, Newfoundland and Labrador Hydro is  
23 continuing its review of this finding and will provide its position on this subject by end of the  
24 fourth quarter of 2021. Aspects under consideration include the practical application of line-  
25 length factors into Labrador-Island Link reliability metrics and if the associated methodologies  
26 are valid in this analysis.