

1 Q. **Reference: Reliability and Resource Adequacy Study, Labrador-Island Link Reliability**  
2 **Assessment – Summary Report, March 12, 2021, page 1.**

3 Based on the assessment of the as-built design of the LIL, the baseline measure  
4 of reliability for the LIL is:

- 5 • 1:72 year return period based on CSA 60826

6 Section A.1.2.5 – Selection of reliability levels in the CSA Standard CAN/CSA C22.3 No. 60826-10  
7 describes three reliability levels for transmission lines (50, 150, and 500 year return periods).

8 Does Hydro consider the reliability level of the Labrador Island Link (LIL) sufficient for its  
9 proposed role in the Island Interconnected System (IIS), assuming Holyrood Thermal Generating  
10 Station (HTGS) and Stephenville and Hardwoods Gas Turbines (SGT/HGT) are decommissioned  
11 as planned?

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14 A. Throughout the Reliability and Resource Adequacy proceeding it has been Newfoundland and  
15 Labrador Hydro's ("Hydro") intention to gather and share the information necessary to help  
16 inform the decision-making process. While the reliability levels described in the CSA Standard  
17 CAN/CSA C22.3 No. 60826-10 provide information that can inform stakeholders, it is Hydro's  
18 view that there is no single answer with respect to a line reliability measure.

19 As demonstrated through Dr. Haldar's assessment, there is a range of reliability metrics for the  
20 Labrador-Island Link ("LIL") depending on which standard or scenario is applied to the line.

21 Hydro remains in the process of completing work on some of the additional considerations  
22 outlined in the Haldar and Associates report to further both Hydro's and stakeholders'  
23 understanding of the reliability of the LIL. To that end, Hydro's view with respect to the  
24 reliability of the LIL for planning purposes is not yet fully informed. Further, Hydro believes it is  
25 important that parties have the ability to consider the full extent of information available, given  
26 the potential for costly implications for customers in addition to the significant costs  
27 accompanying the Muskrat Falls Project.