

1 Q. **Reference: Reliability and Resource Adequacy Study – 2022 Update, Volume III: Long-Term**  
2 **Resource Plan, October 3, 2022, page 19, lines 3-5.**

3 In response, Hydro has invested in the installation of weather stations in these  
4 zones to monitor these conditions to inform if any structural investments are  
5 required.

6 Has Hydro determined that any structural investments on the LIL are required to either: (i)  
7 correct structural deficiencies or design issues that have become apparent since LIL was  
8 constructed; or (ii) address higher than anticipated loading due to wind and/or ice? If so, please  
9 describe.

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12 A. From an overhead line perspective, through past failure investigations completed to date or  
13 work completed under the Reliability and Resource Adequacy Study, Newfoundland and  
14 Labrador Hydro (“Hydro”) has not defined any structural investments on the Labrador-Island  
15 Link (“LIL”) required to correct structural deficiencies or design issues that have become  
16 apparent since the LIL was constructed or to address higher than anticipated loading due to  
17 wind and/or ice at this time. Hydro is currently investigating failures that have occurred on the  
18 LIL to date and will use the findings to evaluate and develop a plan forward. Hydro continues to  
19 monitor the performance of the LIL during operations to evaluate the line’s performance. In  
20 addition, due to the nature of past failures occurring in localized regions and these failures  
21 having different root causes, implemented recommendations could be localized in nature or  
22 further engineering studies will have to be completed to determine if implemented  
23 recommendations are to be widespread throughout various regions of LIL.