

1 Q. **Reference: *Structural Capacity Assessment of the Labrador Island Transmission Link (LITL)*,
2 *EFLA, April 28, 2020, page 55.***

3 *“The following work can be undertaken to improve the understanding of the strength capacity of
4 the line and its critical components*

- 5 • *Complete an updated rime ice study and strength assessment of the key components*
- 6 • *Assess the impact of an OPGW failure on the suspension towers when subjected to heavy
7 ice loads. The effect of impulse loading on the tower must be assessed when the OPGW
8 fails to understand the level of failure that can be expected. Will the failure cause an
9 entire tower failure or simply a failure of the earth peak?*

10 Has Hydro completed its assessment of the impact of an OPGW failure on the suspension towers
11 when subjected to heavy ice loads? If so, please provide the results. If not, when will the results
12 of the assessment be available?

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15 A. Further assessment of the optical ground wire (“OPGW”) is being addressed as a part of the
16 report titled “Reliability Assessment of LITL considering Climatological Loads” to be completed
17 by Haldar & Associates Inc. and filed as part of Newfoundland and Labrador Hydro’s 2020
18 Update to the Reliability and Resource Adequacy Study in November 2020. If the analysis of the
19 OPGW during this work indicates that there is potential for failure, the associated impact on
20 suspension towers will be assessed as part of that study.