

1 Q. **Reference: Summary of Emergency Restoration Planning, Labrador-Island Link - Overland**
2 **Transmission, Nalcor Energy, November 29, 2019, pages 19-20, provided as Attachment 1 to a**
3 **letter to the Board from Hydro dated December 12, 2019.**

4 *"Table 5: Estimated Restoration Time by Tower Failure was created and refined by Nalcor Energy*
5 *from the collective experience of the engineering and operations divisions post construction. It*
6 *provides an estimated timeline for the restoration of power following a transmission line failure.*
7 *A strategic analysis will commence in 2020 to evaluate the estimated number of towers that*
8 *could fail in heavier loaded sections. Due to the design capacity of LITL, it is less probable that*
9 *large segments of towers will fail. A proper engineering analysis of failure scenarios per region*
10 *will identify the estimated number of tower failures, which can then be utilized to refine response*
11 *time."*

12 In Table 5, estimated times of up to 7 weeks are given for possible restoration times resulting
13 from a failure of the LITL. Please advise on the status of the engineering analysis of failure
14 scenarios per region that will identify the estimated number of tower failures and the estimated
15 response times for such failures.

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18 A. The Labrador-Island Link ("LIL") Emergency Restoration Plan evaluates and estimates various
19 response times to restore power in the event of several different failure scenarios.

20 The further refinement of operational response times that are based on more probable failure
21 scenarios remains on track for completion in the fourth quarter of 2020. This work will also
22 leverage work from both the "Structural Capacity Assessment of the Labrador-Island Link"
23 prepared by EFLA Consulting Engineers as well as the "Reliability Assessment of LIL Considering
24 Climatological Loads" being completed by Haldar & Associates Inc. to identify critical line
25 locations with respect to meteorological loading. Nalcor Energy also plans to leverage the
26 knowledge of its local third-party emergency response contractors with respect to local
27 transmission line construction to aid the operations team in identifying specific repair logistics
28 and timelines for these areas.