

1 Q. **Newfoundland and Labrador Hydro - EFLA Consulting Engineers Report - *Structural Capacity***
2 ***Assessment of the Labrador Island Transmission Link, April 30, 2020 ("EFLA" Report)***

3 With respect to the statement on page 12 of the April 30, 2020 EFLA report that EFLA's analysis
4 was not "intended to review, verify, or audit the detailed engineering work undertaken in design
5 of the LITL transmission line; please describe in detail what examination EFLA did undertake of
6 engineering work and describe the results of such examination as was undertaken.

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9 A. EFLA Consulting Engineers' ("EFLA") scope did not include a detailed review of the engineering
10 work and line design. EFLA was engaged to complete a strength capacity assessment of the as-
11 built Labrador-Island Transmission Link. This was conducted to determine the capacity of the
12 line concerning loading requirements in the CAN/CSA C22.3 No. 60826-10 with respect to glaze
13 icing.

14 The examination completed by EFLA included:

- 15 • Evaluation of climatological loading identified in the CSA standard for each line segment;
- 16 • Update of tower models with the required load cases based on the above-mentioned
17 standard; and
- 18 • Analysis of loads as a result of CSA load additions.

19 For the purpose of the study, EFLA was provided with all the information required to complete
20 their scope of work, including final drawings of line components, design criteria, and the PLS-
21 CADD models of the line, including associated tower and conductor files updated to reflect as-
22 built.