

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 Regarding the April 30, 2020 EFLA report, page 26, statement about excluding load cases
4 related to security level and safety level from the EFLA study, please:

5 a. Confirm that security and safety requirements are critical for reliability (cascading
6 prevention) or safety (maintenance safety).

7 b. Describe the reasons for excluding security and safety related load cases from the EFLA
8 study.

9 c. Describe the scope, extent, and date for completion of any planned study of load cases
10 pertaining to security (cascading) and safety. If none are planned explain why not.

11 d. State if, and if so, when Hydro or EFLA intends to conduct studies related to the conditions
12 that would cause cascading, and safety hazards during maintenance operations.

13 e. State whether the scheduled November 15, 2020 reliability study report is intended to
14 address the results of load cases related to security and safety level. If not intended for
15 inclusion in the November 15, 2020 report, explain.

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18 A. a–d. Please refer to Newfoundland and Labrador Hydro’s response to NP-NLH-018.

19 e. The intent of the overland transmission analysis for the “Reliability Assessment of LIL
20 Considering Climatological Loads” is to analyze the reliability requirements of the Labrador-
21 Island Link (“LIL”). Thus, all meteorological load cases that are related to reliability will be
22 considered. The reliability of a transmission line has a concise definition in the CSA standard
23 and does not include security and safety requirements. Security requirements, which deal
24 with preventing cascade line failures, are in place for LIL but do not form part of the current
25 meteorological reliability study. Safety loads are not considered to be critical with respect to
26 structural reliability and therefore will not be addressed as part of the study.