

1 Q. **Reference: *Structural Capacity Assessment of the Labrador Island Transmission Link (LITL)*,
2 *EFLA, April 28, 2020, page 23.***

3 *“Adjustments recommended by EFLA to accommodate CSA 60826-10 loadings were incorporated
4 into the PLS-Cadd design files for the analysis. EFLA independently checked results in few PLS-
5 Cadd and PLS-Tower models and Nalcor reviewed and commented to assumptions.”*

6 Please provide details of all recommended adjustments that were made by EFLA including
7 whether those recommendations led to reductions or increases in weather loadings.

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10 A. Newfoundland and Labrador Hydro (“Hydro”) notes that adjustments were not made to either
11 increase or decrease the weather loading. Rather, adjustments were made to ensure alignment
12 with the CSA standard. The following table lists the primary adjustments made with respect to
13 weather loading.

Item	Reference ¹	Increase or Decrease in Weather Loading
Reference values for wind and ice load values changed	Refer to Figure 18 of the EFLA Report (p. 32) and Table 17 (p. 32).	Both, more often decreased loading.
Security load and safety load criteria removed for analysis	Refer to Hydro’s response to NP-NLH-018	No influence on weather loading.
Wind + Ice combination added to assessment	Section 3.3.5 of the EFLA Report.	Increased loading.
Load cases simplified	Paragraph 3.3.1 of the EFLA Report.	No influence on critical load cases.
Air density factor	Paragraph 3.3.3 of the EFLA Report. Refer also to response to PUB-NLH-119.	Generally a slight decrease, but an increase was noted in some cases.
Option “IEC 60824:2017F” used in the program instead of “Wind on face”	Refer to Hydro’s response to PUB-NLH-112.	Limited effect.
IEC method selected for calculation of ice on few towers in CSA-150	Refer to Hydro’s response to PUB-NLH-112.	Reduced ice load on tower body.
Modification to several tower models	Refer to Hydro’s response to PUB-NLH-112.	No influence on loading.

¹ The EFLA Report referenced refers to the report titled “Structural Capacity Assessment of the Labrador Island Transmission Link (LITL),” filed with the Board of Commissioners of Public Utilities on April 30, 2020.