

1 Q. Reference: CAN/CSA-C22.3 No. 60826-10, Design Criteria of Overhead Transmission
2 Lines

3 The referenced standard CAN/CSA-C22.3 No. 60826-10 which states in Section
4 6.4.4.4 on page 75:

5 *“Basic meteorological and terrain information should be used to evaluate the*
6 *probability of severe in-cloud icing along the line route, and the corresponding data*
7 *should be introduced in the calculations. Otherwise, the values given for freezing*
8 *rain may be used.”*

9 Please provide details of the rime ice actually experienced in each geographic zone
10 along the Labrador Island Link route. In the response, please include the maximum
11 amounts experienced, measured, or observed for each zone and provide a
12 reference source for the data.

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15 A. Consistent with the statement from the standard, basic meteorological and terrain
16 information were considered in the model developed for rime icing. A sufficient
17 body of rime ice measurement along the route does not exist to support designing
18 the line directly from measured data. The methodology to established rime ice
19 loadings was presented in Hydro's response to NP-NLH-004.