

- 1 Q. Reference: Response to Request for Information NP-NLH-004
2 The response to Request for Information NP-NLH-004 states on Page 12 of 57, Lines
3 2-6:
4 *“As will be seen in this section, the as designed LITL structures will be capable of*
5 *withstanding 150-year CSA return period glaze ice loadings for the portion of the*
6 *LITL off the Avalon Peninsula and 500-year CSA return period glaze loadings for the*
7 *portion of the Avalon Peninsula.”*
8 Please explain in detail, if the Labrador Island Link structures on the Avalon
9 Peninsula will be capable of withstanding 150-year and 500-year return period glaze
10 ice loadings based on Hydro’s own criteria, data, and information provided in the
11 Muskrat Falls Review as Exhibit 85 – Reliability Study of Transmission Lines on the
12 Avalon and Connaigre Peninsulas.
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15 A. As described in Hydro's response to NP-NLH-004, the criteria used as the basis for
16 this evaluation are derived from CAN/CSA C22.3 No. 60826 (2010). As noted in
17 Exhibit 85 filed in the Muskrat Falls Review proceeding, it was intended to provide
18 "an estimate of the 25 and 50-year return period loadings for the Avalon and
19 Connaigre Peninsulas" in the mid 1990's.
20
21 The current CSA standard was issued almost 15 years after the paper in Exhibit 85
22 was published and represents the most current view of meteorological loading
23 design criteria available.