

- 1 Q. Reference: GRK-NLH-038 (Revision 1, July 28-14)
- 2 *"In its second report prepared in October 2012, Review of the Muskrat Falls and*
- 3 *Labrador Island HVdc Link and the Isolated Island Options, MHI completed a*
- 4 *thorough assessment of Nalcor's updated work and made the following*
- 5 *observations:*
- 6 *"[i]t is MHI's opinion Nalcor undertook appropriate due*
- 7 *diligence selecting the weather loads for this transmission*
- 8 *line" and "[t]he climatic loadings for each line section are*
- 9 *approximately equivalent to the climatic loadings*
- 10 *calculated assuming Canadian Standards Association (CSA)*
- 11 *1:500 year return period."*
- 12 CSA standard CAN/CSA-C22.3 No. 60826 does not provide values for rime icing in
- 13 Newfoundland and Labrador. Nalcor Exhibit, Muskrat Falls Exhibit 97 , Revision 1
- 14 states that the icing mechanism considered as limiting design load for Zones 2a, 2b,
- 15 2c, 5, 7a, 7b, and 7c is rime icing.
- 16 Please provide the return periods of rime icing measurements considered in each of
- 17 these zones along with the mathematical calculations supporting these load
- 18 selections and return periods.
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- 21 A. Please refer to Hydro's response to NP-NLH-004.