Q. **Reference: Response to the Request for Information NP-NLH-005 (Revision 1, June 3-15).**

In the response to Request for Information NP-NLH-005 (Revision 1, June 3-15), Hydro has confirmed that it is designing the new 230 kV line to be constructed to *Hydro's standard design criteria* given below:

Zone	**Ice (Glaze)**	**Wind**	**Combined Wind/Ice**
Bay d'Espoir to Piper's Hole	50 mm	100 km/hr	60 km/hr / 25 mm
Piper's Hole to Western Avalon	75 mm	130 km/hr	60 km/hr / 45 mm

Please confirm that the return periods of the above loads are based on Hydro's standard design criteria of 1:50 year loads, such as those described in the Muskrat Falls Review Exhibit 85 – Reliability Study of Transmission Lines on the Avalon and Connaigre Peninsulas, and are not based on weather data provided in the CAN/CSA-C22.3 No. 60826-10 standard.

A. The design criteria in the above table represent Hydro's standard design criteria for meteorological loadings for "normal" and "ice" zones for Newfoundland, as

established for the Avalon Peninsula upgrade program in the mid 1990's and subsequently updated to meet the Reliability Based Design Method. Although not based on CAN/CSA C22.3 No. 60826-10, given that they predate the standard by 15 years, in order to ensure adequacy in the load cases they are checked against the standard to verify that the loading still meet or exceed the most current version of the standard.