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

Can Hydro explain why both combinations for ice and wind provided in CAN/CSA-C22.3 No. 60826-10, Section 6.4, page 71, were not used as a basis for designing or evaluating the 230kV line?

A. As indicated in Hydro's response to NP-NLH-005, Hydro's existing meteorological design criteria, which were originally developed for the Avalon Peninsula 230 kV transmission upgrade project and updated to reflect the CAN/CSA C22.3 No. 60826-10 Reliability Based Design Standard, were used for TL267. These load cases were used because they have provided satisfactory results for the Island Interconnected 230 kV grid since they were adopted by Hydro in the mid 1990's.

The cost estimate for the project was based on those criteria, and the project was subsequently approved by the Board for construction on that basis.

Hydro's load cases were not updated for the combined wind and ice load proposed method in the standard. As indicated in Hydro's response to NP-NLH-005, the as-designed structures will be compared to the proposed CSA combined wind and ice criteria, and should any additional funds for upgrades be required to support the proposed criteria, an application to the Board will be made at that time.