Q. Reference: Muskrat Falls Review: Exhibit 96: Evaluate extreme ice loads from freezing rain for Newfoundland and Labrador Hydro

Table 5 on page 59 of 109 of Exhibit 96 - Evaluate extreme ice loads from freezing rain for Newfoundland and Labrador Hydro indicates that the 200 year return period for ice on the Avalon Peninsula is 87mm.

Table 1 on page 10 of 57 of the response to Request for Information NP-NLH-004 indicates that the ice loading criteria for the Labrador Island Link along the Avalon Peninsula, which meets a CSA 1:500 year return period is 75mm.

Please explain how the 75mm ice loading criteria for the Avalon Peninsula can be considered sufficient when the information provided in Exhibit 96, which is relied on by Hydro, indicates that 75mm would not even meet a 200-year return period.

A. Hydro is unaware of a recommendation in the CSA standard to apply 500-year return period loads from models other than that specified in the standard. As indicated in Hydro's response to NP-NLH-004, other sources of data were used to validate the design loadings, but the design criteria were established on the basis of the CSA loads.

Given the satisfactory operating history on the Avalon Peninsula since the Avalon Upgrade Program, no basis to increase design loads beyond the CSA loads currently exists.