

- 1 Q. Reference: Public Utilities Board Muskrat Falls Review, Nalcor Exhibit 92: *DC1070*
2 *Preliminary Meteorological Load Review*, Nalcor Exhibit 94: *HVdc Lab-NL Trans Link*
3 *Ice Loading on HVdc Line Crossing Long Range Mountains*, and Nalcor Exhibit 95:
4 *Evaluation of in-cloud icing in the Long Range Mountain Ridge*.
5 In Nalcor Exhibits 92, 94 and 95, the importance of wet snow accretion has been
6 indicated to be not large enough to be the limiting design value. It is noted that
7 none of the above reports has provided any details about the calculated amount of
8 wet snow icing.
9 Please indicate whether wet snow accretion calculations were performed to
10 support the decision to not consider wet snow accretion in the design of the
11 Labrador-Island HVdc Link? If it was considered, please provide the associated
12 mathematical calculations and estimates for 1:50 and 1:500 year return period
13 events.
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16 A. Given that wet snow has not been observed to be a design consideration¹ and
17 CAN/CSA C22.3 No. 60826 only provides wet snow accretion reference values for
18 western Canada, no basis for a wet snow accretion calculation exists.

¹ Muskrat Falls Review, Exhibit 92, page 1-3.