

1 Q. Reference: (<http://www.powerinourhands.ca/pdf/MHI.pdf>) *Manitoba Hydro*
2 *International: Review of the Muskrat Falls and Labrador Island HVdc Link and the*
3 *Isolated Island Options*, October 2012, page 46.
4 *“Nalcor has selected a large 3650 MCM 91-Strand all-aluminum conductor (AAC)*
5 *family for the entire transmission line, and is currently investigating the use of high-*
6 *strength aluminum alloy conductors of identical size for use in the extreme ice*
7 *regions required to maintain reliability.”*

8 Please describe in detail how the maximum elongation at failure of the AAC
9 conductor chosen for the Labrador-Island HVdc Link, and the conductor’s relative
10 softness, have been taken into account in assessing the extent of conductor
11 damage in the event of a transverse failure of a transmission line tower that could
12 stretch the conductor beyond its elongation limit.

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15 A. Please see Hydro’s response to NP-NLH-027.