

1 Q. Reference: CAN/CSA-C22.3 No. 60826-10, Design Criteria of Overhead Transmission
2 Lines

3 The referenced standard CAN/CSA-C22.3 No. 60826-10 states in Section 7.2.2, on
4 page CSA/15:

5 *“Despite the prescription of a preferred sequence of failure, the line can fail in a*
6 *different mode. For example, conductors can break due to overstressing caused by*
7 *a collapsed tower rather than from overload. Dead-end insulators may also fail due*
8 *to dynamic loads caused by adjacent tower failures.”*

9 Please confirm that all strength (reduction) and load factors specified in CAN/CSA-
10 C22.3 No. 60826-10 were applied to all components on the planned 3rd 230kV
11 transmission line from Bay D’Espoir to Western Avalon to validate conformance to
12 the 1:150 return period specified for that line.

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15 A. No factors have been applied to components of TL267, as detailed design has not
16 yet been undertaken. Applicable factors, as specified in CAN/CSA-C22.3 No. 60826
17 (2010) will be applied during the detailed design of the transmission line.

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19 The construction of TL267 has been approved on the basis that Hydro’s standard
20 design criteria will be used for construction, as outlined in Hydro's response to NP-
21 NLH-005 (Revision 1, June 3-15).