

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 Labrador Island Link to
11 validate conformance to the 1:150 and 1:500 year return periods.

12

13

14 A. Strength reduction factors, as per CAN/CSA-C22.3 No. 60826:10 were applied to all
15 components, not only during design, but the same strength factors were applied
16 during structure utilization analysis.