

1 Q. Reference: *Probabilistic Based Transmission Reliability Summary Report*, Appendix  
2 A, Page 23 of 56.

3 *"...Nalcor advised that the outages for TL201 and TL208 should be excluded from the*  
4 *calculations [25]. It was explained that TL201 had insulator issues that were*  
5 *recently discovered and that have affected its reliability in the past five years, and*  
6 *that TL208 had no customers for a prolonged period of time and failures were*  
7 *repaired at a lower priority."*

8 Has Teshmont considered adjusting its analysis to compensate for the unique  
9 climactic conditions and remoteness of the Labrador Island Link in its probabilistic  
10 based transmission reliability assessment?  
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14 A. The issue associated with TL201 insulators is irrelevant to the unique climatic  
15 conditions and remoteness of the Labrador Island Link. However, throughout  
16 section 5.3 (Probabilistic Reliability Assessment Study report) a detailed assessment  
17 of the failure rates and outage times provided by Nalcor Energy (Lower Churchill  
18 Project, Reliability and availability assessment of the HVDC Island Link – SNC Lavalin  
19 Inc. – April 2012) has been conducted. HVdc overhead transmission line data  
20 provided by Nalcor has been benchmarked against CIGRE and CEA data. This  
21 benchmarking was performed to confirm that the HVdc reliability performance  
22 assumptions used by Nalcor would be representative of a typical HVdc system, as  
23 per historical data.

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25 Teshmont did not give consideration of the climatic conditions or remoteness of the  
26 Labrador Island Link . An investigation of how such factors would impact reliability  
27 parameters as compared to a typical HVdc system was beyond the scope of the  
investigation.