

1 Q. Reference: *Probabilistic Based Transmission Reliability Summary Report*, Appendix
2 A, Page 29 of 56.

3 *“Bipole failure rate and repair time:*

4 *a. Average failure rate: 0.7078/year*

5 *b. Average repair time: 13.49 hours”*

6 In the event of severe weather, has Teshmont considered that other transmission
7 lines may also fail and contribute to extended customer interruptions on the IIS?

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10 A. An assessment of the ac transmission system was performed as part of the
11 investigation. The results of the analysis indicate that the ac transmission system is
12 essentially common before and after the HVdc interconnection with respect to N-1
13 and N-2 events. Differences in expected unserved energy from ac transmission
14 system events were quantified and were noted to be small as compared to those
15 resulting from outages to the LIL and Holyrood units.

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17 As the ac transmission system performance is essentially common to both cases, it
18 was not necessary to perform additional complex analysis to assess the impacts of
19 hybrid ac line/Holyrood outage or ac line/HVdc outage scenarios.