

- 1 Q. Reference: Summary Report of Probabilistic Based Transmission Reliabilities
2 Assessment - Island Interconnected System:
3 *“An overhead HVdc line failure rate of 0.19 outages/year/100 km with a duration*
4 *of 1.78 hours per outage was used in previous Hydro analysis. These values were*
5 *compared against Canadian Electricity Association (CEA) and CIGRE data. CEA and*
6 *CIGRE data indicated that expected outage durations may be longer than the*
7 *value proposed by Hydro. However, the overall forced outage rate of 0.00294%*
8 *predicted by Hydro is comparable to the CIGRE value of 0.00388%.” (pg 5)*
9 Why was the failure rate data not compared against other North America data such
10 as NERC? Please explain why North American data values were not considered
11 more relevant than CIGRE.
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14 A. CIGRE history of data collection for HVdc systems (used in this study) covers the
15 statistics associated with HVdc systems’ reliability starting from 1999 to 2010 and
16 most of the HVdc systems that exist in the world (including North America).
17 Therefore, it is more comprehensive and representative than NERC’s pool of data.