

1 Q. Reference: *Probabilistic Based Transmission Reliability Summary Report*, Appendix
2 A, Page 22 of 56.

3 *“Furthermore, some of the Holyrood unit outages were extensive in duration as*
4 *repairs were not performed immediately in cases when units were scheduled to*
5 *come offline in the spring. These cases were considered extreme in duration and*
6 *unrepresentative of the reliability of the generating units.”*

7 Please describe the extent to which the cases that were considered extreme in
8 duration were included or excluded in the Teshmont’s probabilistic assessment. In
9 the response please indicate how this assumption impacted Teshmont’s results.

10

11

12 A. The outage to Holyrood Unit 1 in 2013 was excluded from the Teshmont analysis.
13 This outage was due to a major bearing failure on January 11, 2013.

14

15 The unit could not be returned to service in time for the spring, and generation
16 from Unit 1 was not required during summer months. Repairs for the unit were
17 therefore delayed. When the unit was eventually brought online on October 9,
18 2013, for load support, the resulting unit DAFOR for the year was 36.58%. For the
19 purposes of the Teshmont analysis, this value was deemed to be an outlier and
20 does not provide an accurate reflection of unit performance.

21

22 It is noted that the Teshmont analysis was performed using a baseline unavailability
23 of 9.64% for Holyrood units and also using a sensitivity value of 11.64%. As noted
24 on page 15 of the report, the sensitivity value is “based on the totality of the outage
25 data in the data period.” The resulting expected unserved energy values for these
26 cases were found to be 16 GWh/year and 23.5 GWh/year, respectively.