

1 Q. **Reference: Reliability and Resource Adequacy Study – 2022 Update, Volume III: Long-Term**
2 **Resource Plan, October 3, 2022, page 33, lines 2-5.**

3 Chart 10 includes both the Holyrood TGS and the Hardwoods Gas Turbine in
4 service during the six-week LIL outage. In this scenario, it is estimated that
5 customers can expect an average of 20 hours of unserved energy over a six-
6 week period, with the highest anticipated shortfall estimated to be 150 MW.

7 For the six week scenario described above, please describe the extent to which capacity (MW)
8 and energy (GWh) from the Holyrood TGS will be relied upon.

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11 A. The full capacity of the Holyrood Thermal Generating Station (“Holyrood TGS”), 490 MW, would
12 be relied upon in this scenario in some hours during the six-week period. Hydro’s analysis
13 indicates that the Holyrood TGS would be relied upon to produce 246 GWh¹ of energy over the
14 six-week period. It is important to note that this is an average result and, due to system
15 conditions, the actual generation may be higher or lower than indicated in these results.

¹ The Reliability Model, which was used to analyze the six week LIL outage, does not fully incorporate the operational characteristics of the units. For example, the model would optimize the Holyrood TGS to start and stop the units as needed on an hourly basis over the six week period. However, as these units are not designed to be standby or peaking units, all three Holyrood TGS units would likely be brought online and kept online through this period. The value reported considers the operational characteristics of the Holyrood TGS.