

1 Q. **Reference: Reliability and Resource Adequacy Study 2022 Update, Volume III, page 25, lines**
2 **11-13.**

3 Has Hydro studied the option for using cautions or warnings of approaching severe weather to
4 prepare Holyrood for ramping up quickly as a backup supply resource (as opposed to keeping it
5 regularly available for extended periods to ramp up quickly). If yes, provide the results of any
6 such study. If not, why not?

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9 A. Newfoundland and Labrador Hydro (“Hydro”) has not formally studied the option for using
10 cautions or warnings of approaching severe weather to prepare the Holyrood Thermal
11 Generating Station (“Holyrood TGS”) for ramping up quickly as a backup supply resource. The
12 Holyrood TGS, as designed, is not configured to synchronize to the grid quickly, having a unit
13 recall time in excess of 24 hours.¹ In addition, with a typical start-up success rate of
14 approximately 50% and an average restoration time of three days following an unsuccessful
15 start, Hydro does not consider the Holyrood TGS suitable for operation as a standby generating
16 facility that would be called upon to ramp-up quickly. To better position the Holyrood TGS as a
17 backup supply resource, Hydro recommends continued investment in capital improvements to
18 the facility to ensure continued operation potentially through 2030. During anticipated periods
19 of high demand, the Holyrood TGS may be placed online early in anticipation of a potential need
20 to improve the responsiveness and therefore reliability of the unit(s).

¹ As described in the “Reliability and Resource Adequacy Study – 2022 Update,” Newfoundland and Labrador Hydro, October 3, 2022, vol. III, p. 24/9–18 and p. 25/1–4.