

1 Q. Reference: CA-NLH-036.

2 It is stated *"the units at the Holyrood TGS are to remain base loaded in the near term and will*
3 *strategically move to standby operation if system conditions allow."*

4 a) Please clarify "near term." For how many months or years will the units at the Holyrood TGS
5 remain base loaded?

6 b) Has Holyrood DAFOR for units 1, 2 and 3 averaged 27.2%, 34.4% and 20.0%, respectively
7 over the past 4 years?

8 c) Please explain the difference between base load and standby operation.

9 d) What conditions must be met in order for Hydro to move Holyrood from base load to
10 standby operation?

11 e) Under base load operation, will Holyrood be called upon to produce energy beyond
12 minimum loading levels?

13 f) For the period October 1, 2024 to May 31, 2025 please provide Hydro's hourly system
14 generation (MW) showing the breakdown by source, i.e., hydro, Holyrood TGS, etc.

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17 A. a) In accordance with capacity requirements as specified by Newfoundland and Labrador
18 Hydro ("Hydro") in 2024 Resource Adequacy Plan,¹ Hydro has recommended that all three
19 Holyrood Thermal Generating Station ("Holyrood TGS") units are to remain available
20 through the "Bridging Period" while Hydro seeks to develop new long-term sources of
21 supply.²

¹ "2024 Resource Adequacy Plan – An Update to the Reliability and Resource Adequacy Study," Newfoundland and Labrador Hydro, rev. 2 (originally filed July 9, 2024).

² As per "Reliability and Resource Adequacy Study Review – 2022 Update," Newfoundland and Labrador Hydro, October 3, 2022, the Holyrood TGS shall remain available for a "Bridging Period" until 2030, or until such time that sufficient alternative generation is commissioned, adequate performance of the Labrador-Island Link is proven, and generation reserves are met. During the Bridging Period, the system would rely primarily on existing sources of generation capacity to maintain reliability while new generation capacity is being built. The primary, readily available supply options in this period are extending the retirements of the Holyrood TGS, Stephenville Gas Turbine and the Hardwoods Gas Turbine until their capacities can be adequately replaced.

- 1 **b)** Yes.
- 2 **c)** Base Load is defined as the minimum amount of electricity required over a period of time at
3 a steady rate (i.e. continuous operation). Units at Holyrood TGS are currently base-loaded at
4 70 MW. Standby generation is considered generation that is available, as needed, to
5 supplement a utility system or another utility. The generation is not regularly used.
- 6 **d)** Please refer to part a) of this response.
- 7 **e)** Yes, when required to support system requirements.
- 8 **f)** Monthly production reports are provided in Appendix B of Hydro's monthly Energy Supply
9 Reports filed with the Board of Commissioners of Public Utilities.³

³ Hydro's monthly Energy Supply Reports can be accessed at <http://www.pub.nf.ca/indexreportspages/energysupply.php>.