

- 1 Q. **Reference: Application, Schedule 3 – Holyrood Thermal Generating Station Overview**
- 2 a) Please provide a table showing generation and peak production at Holyrood for the months
- 3 from July 2020 to July 2024 inclusive.
- 4 b) If either Unit 1 or Unit 2 at Holyrood permanently failed then explain the extent to which
- 5 Holyrood would have been able to produce similar amounts of monthly energy over this
- 6 time period.
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- 9 A. a) Monthly production from the Holyrood Thermal Generating Station (“Holyrood TGS”) as
- 10 well as monthly plant peak from July 2020 to July 2024 is provided in Table 1 and Table 2,
- 11 respectively.

Table 1: Holyrood TGS Production (GWh) from July 2020 to July 2024

Month	2020	2021	2022	2023	2024
January		127.8	145.0	129.0	99.5
February		146.4	149.7	113.1	101.0
March		146.3	150.7	140.0	99.3
April		97.8	57.1	70.8	68.5
May		40.2	41.5	25.1	33.5
June		3.0	-	-	-
July	3.1	-	-	-	-
August	-	-	-	-	
September	2.3	0.2	-	-	
October	37.2	14.1	19.8	41.6	
November	117.3	57.1	103.3	83.9	
December	139.8	122.6	132.4	95.2	

Table 2: Holyrood TGS Plant Peak (MW) from July 2020 to July 2024

Month	2020	2021	2022	2023	2024
January		363.7	437.5	423.2	230.1
February		423.0	426.1	438.5	306.0
March		335.5	422.1	365.3	294.8
April		217.0	172.6	331.5	222.0
May		181.5	154.0	126.7	150.6
June		166.0	-	-	-
July	73.7	-	-	-	-
August	-	-	-	-	
September	76.7	37.3	-	-	
October	221.7	490.0	154.2	152.9	
November	335.9	174.0	342.7	220.4	
December	319.3	322.0	379.4	230.1	

1 **b)** From 2021 to 2024, the highest energy production at the Holyrood TGS was in March 2022,
2 with a total of 150.7 GWh, as shown in Table 1. This equates to approximately 200 MW of
3 average generation at the plant. If only two units were to remain operational at the
4 Holyrood TGS (i.e., either Unit 1 or Unit 2 failed), these two units could collectively produce
5 the same amount of energy by operating at approximately 100 MW each, on average,
6 during that month. Furthermore, in the winter of 2023–2024, Unit 2 at the Holyrood TGS
7 was unavailable for service. Despite this, along with deliveries over the Labrador-Island Link
8 and generation from Units 1 and 3 at Holyrood TGS, the system’s energy requirements were
9 met during this period. As noted in Newfoundland and Labrador Hydro’s (“Hydro”) *Reliability and Resource Adequacy Study Review* proceeding, Hydro has identified the need
10 to maintain three units at the Holyrood TGS. This ensures that given the aging assets and the
11 increased potential for unit unavailability, the risk of insufficient capacity to meet system
12 requirements is reduced.
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