

1 Q. **2018-2022 Capital Plan, Volume I, Page 5**

2 *“Maintaining the reliability of Hydro’s gas turbine assets, which are relied upon to*
3 *provide stand-by and spinning reserve power, and (with the exception of the*
4 *Holyrood gas turbine) to function as synchronous condensers to help control voltage*
5 *on the Island and Labrador interconnected systems, is a priority.”*

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7 What is the efficiency (in kWh/gal) of the Holyrood gas turbine when operating for
8 spinning reserve at minimum load? What is its efficiency when operating at full
9 load?

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12 A. The efficiency (in kWh/US gal) of the Holyrood gas turbine when operating for
13 spinning reserve at minimum load (40 MW) is 9.1 kWh/US gal. When operating at
14 full load (123.5 MW) the efficiency is 12.7 kWh/US gal.