

1 Q. **Tab 2; Volume II: Increase Fuel & Water Treatment System Capacity**

2 What was the longest period of time to date that the Holyrood Gas Turbine has run  
3 at 100% capacity?  
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7 A. The longest period of time to date that the Holyrood gas turbine has run at 100%  
8 capacity (average hourly load of 120 MW or greater) is 14 hours, which occurred on  
9 February 24, 2016. At that time, the unit was operating continuously to support  
10 outages to units at the Holyrood Thermal Generating Station. Further to the 14  
11 hours at full capacity, the hourly average load exceeded 100 MW for 18 hours on  
12 that day and the hourly average load over the 24 hours was 105 MW. During this  
13 day, approximately 768,000 litres of fuel was consumed or 64% of one tank of fuel  
14 over the 24 hours. This occurred during one of the warmest February months on  
15 record during which the average daily high was +2.6°C and the average daily  
16 temperature was -1.8°C.

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18 Similar levels of loading were required over the course of several days for a number  
19 of times during the operating period. For example, from January 8 to 9, 2016, the  
20 unit operated at a load of 120 MW or higher for 20 of the 48 hours including 8  
21 hours on the first day and 12 hours on the second day. The average daily high in  
January was -0.6°C and the average daily temperature was -3.7°C.