

1 Q. Please identify the operating costs for replacement power during the 2013 outage  
2 of Unit 1 at the Holyrood Plant following the lube oil failure event.

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5 A. On January 11, 2013, Unit 1 at the Holyrood Thermal Generating Station  
6 experienced an extended forced outage as a result of a lube oil failure event during  
7 shutdown. During the winter period, Hydro would typically operate three Holyrood  
8 units with some short-term opportunities to go to two units if the loads permit.  
9 The seasonal transition from three to two-unit operation would normally occur  
10 from the middle to the end of March. The following<sup>1</sup> provides an estimate of the  
11 replacement costs relating to the Holyrood Unit 1 outage, following its failure,  
12 through to the end of the winter period. All costs are related to running standby  
13 units (gas turbines and diesel units) in the January 11 to the February 10, 2013 time  
14 frame.

<b>Table 1</b>				
<b>Replacement Power Costs During HRD Unit 1 Outage (January - March 2013)</b>				
<u>Source</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>Total</u>
Hardwoods Gas Turbine	307,137	124,215	-	431,352
St. Anthony Diesel Plant	82,926	-	-	82,926
Hawkes Bay Diesel Plant	53,689	-	-	53,689
Newfoundland Power Standby Units	239,280	95,578	-	334,858
Total Replacement Power Costs	683,032	219,793	-	902,825

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17 Note that the Stephenville gas turbine was not available during the winter of  
18 2012/2013 due to an alternator failure. The St. Anthony and Hawkes Bay diesel  
19 plants were operated in February 2013; however this was due to area supply issues.  
20 Therefore these costs have not been included in the above table.

<sup>1</sup> These costs do not include the savings incurred by not running Holyrood Unit 1 at low load during this period.