

1 Q. Why were all of Hydro's generating units not available for operations by December
2 15, 2013?

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5 A. Please refer to Hydro's response to PUB-NLH-002. With the exception of the
6 Hardwoods Gas Turbine and the Stephenville Gas Turbine, all generating units were
7 available before December 15, 2013.

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9 **Hardwoods Gas Turbine**

10 The findings from the work performed on the Stephenville Gas Turbine in 2013
11 made it necessary to repair or replace the alternator at Hardwoods in 2013. This
12 resulted in Hardwoods having to be removed from service for a period much longer
13 than was originally in the 2013 generation outage plan. This had to be scheduled in
14 the October to December period for system security reasons. Hardwoods could not
15 be removed from service until Holyrood generating units became available after
16 their planned outages. The Hardwoods unit provided required reserve while
17 Holyrood was out for planned maintenance.

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19 **Stephenville Gas Turbine**

20 The planned major overhaul at the Stephenville Gas Turbine was completed in the
21 summer of 2013. As of June 1, 2013 both ends A and B could be operated, but the
22 need to replace degraded insulating blankets on end B (to prevent excessive heat
23 build-up and a potential trip) made end B unavailable for service. End A remained
24 fully available until Dec 11, 2013 when a jacking oil pump was temporarily removed
25 to replace a failed pump at Hardwoods in order to maintain the return to service
26 schedule at Hardwoods. Because of the critical nature of the Hardwoods Gas
27 Turbine due to its location on the Avalon Peninsula to provide both transmission

- 1 and system capacity backup during transmission and generation contingencies,
- 2 there was a very high focus on returning this unit to service.