

1 Q. Further to the response to CA-NLH-001 why did Hydro proceed to locate
2 Newfoundland Power's mobile generation at Holyrood if the motor starting analysis
3 showed marginal results?
4
5

6 A. On January 11, 2013, Holyrood Unit 1 sustained significant turbine bearing damage
7 that would result in that unit being unavailable for the winter of 2013. This reduced
8 generating capacity condition could have resulted in the curtailment of service to
9 customers on the Avalon Peninsula during peak periods, if there was another loss of
10 a generating unit or a 230 kV transmission line supplying the Avalon Peninsula. As a
11 result of that condition, Hydro decided to request Newfoundland Power to connect
12 its mobile generation into the power system on the Avalon Peninsula for the
13 remainder of the winter of 2013 to mitigate any potential customer impact. Hydro
14 reviewed its options for the location to connect these mobile units and decided that
15 due to availability of fuel, physical space to install units, and ease of connectivity,
16 that Holyrood would be the best location.
17

18 In conjunction with that decision, it was decided that having the generation at that
19 location could bring the additional benefit of providing station service to the
20 Holyrood station in the event of the recurrence of the sustained loss of the five
21 transmission lines connecting to the Holyrood station. It was also decided to be
22 worthwhile to assess the potential of providing the additional benefit of
23 blackstarting the plant. This resulted in the initiation of the analysis for using these
24 units to blackstart the boiler feed water pump motors.
25

26 As indicated in Hydro's response to CA-NLH-001, the results of the analysis
27 indicated the potential for starting the large boiler feed water pump motors was

1 marginal. However, since the decision was made to locate the units at Holyrood, it
2 was felt to be worthwhile to proceed with testing the generation to blackstart the
3 plant. If successful, this would enable a low cost local blackstart option for the
4 Holyrood plant until the new CT planned for installation at Holyrood was in service
5 in 2015. If unsuccessful, the Newfoundland Power mobile generation could still
6 bring additional benefits when located at that location as noted above.