

1 Q. The Holyrood CT experienced 205.9 equivalent starts in 2015 compared to the
2 initial forecast of 83.2 equivalent starts. Please provide details of any unplanned
3 outages experienced in 2015 which contributed to the higher number of starts.
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7 A. As indicated in Hydro's Application, the Holyrood CT provides several critical
8 functions in reliably supplying customer demand requirements, including operation
9 to support spinning reserves on the Island Interconnected System and to support
10 transmission into the Avalon Peninsula. In addition, the Holyrood CT is used to
11 facilitate planned generation and Avalon Peninsula transmission outages.

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13 Subsequent to developing the 2015 forecast operating requirements, which were
14 primarily driven by spinning reserve considerations, and following the March 4,
15 2015 event, Hydro reviewed its transmission reliability criteria and commenced the
16 practice of operating standby generating units that support the Avalon in advance
17 of Avalon transmission system contingencies, rather than starting the standby
18 generating units after an event occurred. To enhance customer reliability, the
19 Holyrood CT is started and operated as required in order to support Avalon
20 transmission during peak load periods such that a single worst contingency will not
21 result in a sustained customer interruption.

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23 In addition to the peak load requirements described above, there were two planned
24 outages that increased the operating requirements of the Holyrood CT as described
25 in Hydro's Application. There was a Holyrood total plant outage in August 2015 and
26 an outage to transmission line TL201 in November 2015 that required that the
Holyrood CT be operated to guard against another Avalon contingency. These two

1 outages drove the requirement to start the CT on 26 occasions (17 in August and
2 nine in November).

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4 With respect to unplanned outages or deratings to other generating units, there
5 was a forced outage to Holyrood Unit 3 from September 8 – 12, 2015, that required
6 that the Holyrood CT be started and operated on three occasions to support Avalon
7 transmission. During the period of December 2 – 4, 2015, Holyrood Unit 1 was
8 derated to 50 MW. This required that the Holyrood CT be started and operated on
9 one occasion (December 2) to support Avalon transmission and for spinning reserve
10 support. Upon Holyrood Unit 1's return to service on December 4, 2015, it was
11 derated to 155 MW (from 170 MW) for the remainder of the month.