

1 Q. **2017 General Rate Application - Operations**

2 Page 3.30, lines 2-4 and page 3.23, footnote 52 – Spinning reserve is stated to be 70
3 MW on page 3.30 and in footnote 52 it is stated to be equal to the capacity of the
4 largest generating unit, 170 MW when Unit 1 or Unit 2 at Holyrood is on line and
5 154 MW when Holyrood is not on-line. Explain what is the actual spinning reserve
6 and the meaning of the two referenced statements.

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9 A. Currently, Hydro dispatches its resources and agreements to achieve a spinning
10 reserve equal to the capacity of the largest generating unit. As noted in Footnote 52
11 on page 3.23, for the current system this is equal to 170 MW when Unit 1 or Unit 2
12 at Holyrood is on line and 154 MW when Holyrood is not on-line (the latter is the
13 capacity of Bay d’Espoir Unit 7). This enables Hydro to position the system to be
14 able to restore customers quickly in the event of the loss of the largest generating
15 unit. Hydro also maintains an additional reserve¹ of at least 70 MW for a total
16 available reserve equal to or greater than the largest generating unit plus 70 MW.

¹ This reserve is not necessarily on-line but is available for a quick start in the event of a contingency event.