

1 Q. **Reference: *Improve Boiler Load Capacity – Units 1, 2 and 3, Holyrood, June 1,***
2 ***2018, Page 7, Lines 3-6.***

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4 *“Restoration of capacity that is anticipated through execution of the project and*
5 *cleaning of the economizer is required to fully avail of the benefits of recapture*
6 *energy over the Labrador Island Link (LIL). Technical analysis has been completed*
7 *that dictate how much capacity is required on the Avalon in order to provide for*
8 *reliable service.”*

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10 Please provide a detailed description of this technical analysis or, if a written
11 analysis is available, provide a copy.

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14 A. Hydro has developed a number of technical analysis tools to monitor the system for
15 reliable operation. These tools include computer based models that calculate
16 information for use by the ECC in determining reliable service across the Island. As
17 they are online computer based tools, written analysis is not available, but the
18 model’s output includes displays of system operating aspects such as line loadings
19 and spinning reserve.

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21 Since the addition of the third 230 kV transmission line from Bay d’Espoir to the
22 Avalon Peninsula, Island system requirements (rather than Avalon transmission
23 constraints) have become the primary driver for the restoration of capacity of the
24 Holyrood units. Hydro apologizes for any confusion this statement may have
25 caused.