

- 1 Q. In reference to the 214 MW hydro peaking unit capacity, being Bay d’Espoir at 150
2 MW and Cat Arm at 64 MW:
- 3 (a) What would be the impact of this 214 MW hydro peaking unit capacity, if
4 installed, of reducing Holyrood fuel for the Avalon winter peak?
- 5 (b) What is the cost of the 214 MW peaking units?
- 6 (c) Would the installation of the 214 MW of peaking capacity reduce summer
7 water spills?
- 8 (d) Why did Hydro wait until 2017 to inform ratepayers that there was 214 MW
9 of available peaking capacity on the island?
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- 12 A. Additional peaking units, presumably referenced as Bay d’Espoir Unit 8 and
13 assuming a Cat Arm Unit 3, were not part of the 2018 Capital Budget Application,
14 are not in Hydro’s current generation planning requirements, and are not part of
15 Hydro’s peaking unit capacity. The Bay d’Espoir Unit 8 study is to estimate this
16 potential generation source for inclusion in Hydro’s portfolio of potential
17 generation sources. No efforts have been made to date to estimate a Cat Arm Unit
18 3.
- 19 (a) Peaking units, by definition, provide capacity to the system, but do not
20 provide energy. Therefore, if these units were in the system they could help
21 in system peak capacity; however, no additional energy would be available
22 given that the water sources are already utilized in the system by the other
23 Bay d’Espoir and Cat Arm units. Therefore there would be no effect on the
24 fuel usage at Holyrood as the same system energy requirements would be
25 necessary. If they were available, any spillage avoided by utilizing the water
26 through these units would contribute to the annual system energy;

1 however, Hydro does not spill water at the time of year that the Avalon
2 system peak occurs;

3 (b) Given that Bay d’Espoir Unit 8 is currently being studied, and Cat Arm Unit 3
4 has not been studied, no cost estimates are available;

5 (c) Adding units to either the Bay d’Espoir or Cat Arm reservoir systems would
6 reduce the amount of summer spilling; and

7 (d) Hydro utilizes all of its available units, and does not have an un-utilized 214
8 MW of peaking capacity in the system. Bay d’Espoir Unit 8 is being studied
9 for inclusion in Hydro’s portfolio of potential generation sources for system
10 capacity, and there are no plans to study Cat Arm Unit 3. Currently, there
11 are no plans to build either of these units.