

1 Q. Has the increase in non-dispatchable generation affected Hydro's ability to meet its
2 peak load or affected operation of the system to meet peak load? If yes, explain
3 how it has.

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6 A. Non-dispatchable generation is generation which the power system operator in the
7 Energy Control Centre cannot control and thereby set the level of output to meet
8 the customer demand. The non-dispatchable generation on the Island
9 Interconnected System totals 163 MW as follows:

- 10 • 54 MW of wind generation, dependent on load of wind;
- 11 • 90 MW of run-of-river generation at Exploits, dependent on uncontrolled
- 12 flow in the Exploits River;
- 13 • 4 MW of run-of-river generation at Rattle Brook; and,
- 14 • 15 MW of co-generation at Corner Brook Pulp and Paper, dependent on the
- 15 paper mill's steam requirements.

16 The current level of non-dispatchable generation has not affected Hydro's ability to
17 meet its peak load. Hydro's generation planning assessments take into account this
18 non-dispatchable nature and under most operating conditions there is more than
19 enough firm dispatchable generation available to meet peak loads. The non-
20 dispatchable generation, when available, increases the level of generation
21 potentially available as reserve.