

1 Q. Please explain the procedure by which the use of 40 MW of capacity assistance from
2 Corner Brook Pulp and Paper can be used as spinning reserve for the IIS.

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5 A. As a matter of clarification, Newfoundland and Labrador Hydro (“Hydro”) notes that 40
6 MW of the available curtailable load from Corner Brook Pulp and Paper (“CBPP”) is not
7 considered spinning reserve, but rather is considered 10-minute reserve.

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9 In 2019, Hydro determined that 40 MW of the interruptible load made available under its
10 Capacity Assistance Agreement with CBPP can be used as 10-minute reserve. This allows for
11 a reduction in spinning reserve normally provided by on-Island generating sources,
12 including higher cost standby units.

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14 In the event of a sudden generation loss on the Island Interconnected System there is a
15 drop in system frequency. The frequency controller on the Maritime Link functions to
16 provide an instantaneous “injection” of power into the Island Interconnected System at
17 Bottom Brook, from Nova Scotia. This injection works in conjunction with on-Island
18 generator governor action to slow the decline in frequency and arrest its fall to a point that
19 is higher than what it would otherwise have been without Maritime Link action and
20 potentially impacting customers. The sudden injection of power into the Island
21 Interconnected System from Nova Scotia must be returned to pre-contingency values
22 within 15 minutes, in compliance with Nova Scotia Power Incorporated’s (“NSPI”) reliability
23 standards.

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25 Following the contingency on the Island Interconnected System, on-Island reserve (spinning
26 and 10-minute) is activated to return the injection of power from NSPI to zero. Hydro has
27 the ability to curtail the CBPP load to cover a portion of the generation loss and return the
28 Maritime Link power to Nova Scotia within the time requirements specified in its reliability
29 standards. Newfoundland and Labrador Hydro has modified its real-time reserve

- 1 assessments and forecasts to implement this capability when the Capacity Assistance
- 2 arrangements with the customer are in effect.