

1 Q. In reference to demand response potential for winter peak season interruptible
2 load, please provide Newfoundland Hydro's estimation of forecasted interruptible
3 load capabilities from existing customers under existing contracts, describe the
4 form of interruptible capability, if from existing behind-the-meter generation, or
5 from actual demand control and describe any additional information about the
6 frequency of winter season interruptible load capability for such existing customers.

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9 A. Hydro's forecasted interruptible load capabilities from existing customers under
10 existing contracts include the following three arrangements:

- 11 • 6 MW of interruptible load from Vale Newfoundland and Labrador Limited
12 (Vale);
- 13 • 8 MW of behind-the-meter diesel generation from Vale; and
- 14 • 105 MW in both interruptible load (4 MW) and behind-the-meter hydraulic
15 generation (101 MW) from Corner Brook Pulp and Paper Limited (CBPP).

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17 Table 1 provides a summary of the agreements.

Table 1
Summary of Hydro's Interruptible Load Capabilities

Provider	Capacity	Rate Structure	Conditions
CBPP	Up to 105 MW in the following increments: - 20 MW - 40 MW - 60 MW - 90 MW - 105 MW	<u>Fixed</u> \$4.75 per kW per month for each month November through April <u>Variable</u> A minimum of \$0.20 per kW per hour to a maximum of \$0.26 per hour for the maximum assistance provided as determined on the following sliding scale: I. 0 to 7.5 GWh/Winter Period – 90% of GTVC ¹ ; II. Greater than 7.5 /Winter Period – 80% of GTVC. For requests above 90 MW there is a \$0.06/kWh premium using the same sliding scale as above.	<ul style="list-style-type: none"> Notification Period - 10 minutes Interruption Period - 4 hours (min) to 6 hours (max) Maximum number of curtailments - 2 per day, 60 per winter Total Assistance Period - 250 hours per winter Penalties - Three Strike Clause Expiry – April 30, 2022 or the date of commissioning of the Muskrat Falls Generating Plant, whichever is earlier Test - Tested annually
Vale (Interruptible Load)	6 MW	<u>Fixed</u> \$7/kW per month for each of the four winter months of December through March <u>Variable</u> \$0.20 per kW per hour for the maximum assistance provided	<ul style="list-style-type: none"> Notification Period - 60 minutes Interruption Period - 3 hours (min) to 6 hours (max) Maximum number of curtailments - 2 per day, 10 per winter Total Assistance Period - 50 hours per winter Test - Tested annually
Vale (Diesel Generation)	Up to 8 MW	<u>Fixed</u> \$7 per kW per month for each of the four winter months December through March <u>Variable</u> Cost of fuel	<ul style="list-style-type: none"> Notification Period - 20 minutes Interruption Period - Up to 6 hours (max) Maximum number of requests - 2 per day, 20 per winter Total Assistance Period - 100 hours per winter Test - Tested annually

¹ GTVC = the previous month's Gas Turbine Variable Cost as provided on Corner Brook Pulp and Paper's monthly invoice and expressed as a cost per KWh.

1 In addition to the interruptible load capabilities from industrial customers, Hydro
2 also a curtailable credit in its Utility rate. Newfoundland Power has Curtailable
3 Service Options for its General Service customers in its Schedule of Rates, Rules and
4 Regulations and the curtailable load is generally in the range of 8 to 10 MW. The
5 curtailable credit provides for efficient use of Newfoundland Power's curtailable
6 load during the winter season to assist in system peak demand.