

1 Q. **Reference: RRAS, 2022 Update, Vol. I, page 2 (26 pdf)**

2 Citation:

3 The LIL began delivering electricity to the Island Interconnected System from the  
4 Muskrat Falls Hydroelectric Generating Facility in 2021

5 **a)** Please provide a table indicating monthly production from the MFHGS since 2021, and  
6 monthly energy transfers over the LIL.

7 **b)** Please confirm that energy produced by the MFHGS in excess of the amounts transferred to  
8 the Island over the LIL have been stored in the Churchill Falls reservoirs under the Water  
9 Management Agreement (WMA).

10 **c)** Please confirm that spills have occurred at Churchill Falls since 2021, and indicate to what  
11 extent (if at all) those spills are debited from Hydro's (or Nalcor's) Banked Energy.

12 **d)** Please provide a monthly register of Hydro's (or Nalcor's) Banked Energy since January  
13 2021, taking into account (i) energy transfers from Muskrat Falls, (ii) energy transfers from  
14 Churchill Falls, (iii) spills, and (iv) any other factors affecting Banked Energy.

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17 A. **a)** The monthly production from the Muskrat Falls Hydroelectric Generating Facility ("Muskrat  
18 Falls") and the energy transfers over the Labrador-Island Link LIL ("LIL") from January 2021  
19 through December 2022 are provided in Table 1.

**Table 1: Muskrat Falls Monthly Production and LIL Deliveries to Soldiers Pond (“SOP”) (GWh)**

<b>Date</b>	<b>Muskrat Falls Production</b>	<b>LIL Deliveries to SOP<sup>1</sup></b>
January 2021	155.9	60.5
February 2021	138.9	23.5
March 2021	106.7	47.1
April 2021	131.6	108.6
May 2021	74.8	37.1
June 2021	9.2	8.2
July 2021	70.3	8.6
August 2021	191.5	30.4
September 2021	255.1	80.9
October 2021	214.8	4.8
November 2021	294.5	92.0
December 2021	371.4	80.1
January 2022	401.3	162.3
February 2022	383.6	132.3
March 2022	395.9	30.5
April 2022	294.6	115.5
May 2022	413.7	115.7
June 2022	405.7	62.0
July 2022	303.9	115.0
August 2022	305.1	71.3
September 2022	363.8	75.9
October 2022	279.7	158.3
November 2022	340.9	153.5
December 2022	322.0	113.0

- 1           **b)** Under Section 7.1 (c) (i) of the Water management Agreement, if the production increase at  
2           Muskrat Falls is greater than the CF(L)Co<sup>2</sup> Banked Energy, then the Nalcor Banked Energy  
3           shall be increased by the amount of the production decrease at the CF(L)Co Production  
4           Facilities, as such, excess energy produced at Muskrat Falls is banked in the Churchill Falls  
5           reservoir.

<sup>1</sup> Includes purchases as result of testing activity as well as deliveries that are then exported over the Maritime Link.

<sup>2</sup> Churchill Falls (Labrador) Corporation (“CF(L)Co”).

1           **c)** Spills occurred at the Churchill Falls Hydroelectric Generating Station (“Churchill Falls”) from  
2           April to July 2021 and during a number of periods in the months of September to December  
3           2022, and January 2023.

4           Spills that occurred from April to July 2021 and in September to November 2022 were due  
5           to excess water in storage in the Churchill Falls reservoirs and flood control pre-spills. Under  
6           the Water Management Agreement between Muskrat Falls Corporation and Churchill Falls,  
7           when water must be spilled for such reasons, the first water spilled is from the Muskrat Falls  
8           Banked Energy until it is depleted. Therefore, the spills during these periods were removed  
9           from the Muskrat Falls Banked Energy balance, with the exception that during the April to  
10          July 2021 spill the Muskrat Falls Banked Energy balance was depleted partway through the  
11          spill period and the remainder of the spill during that period was allocated to Churchill Falls  
12          or its customers.

13          The spills that occurred at Churchill Falls during December 2022 and January 2023 were due  
14          to customer demand changes after water was released from Lobstick. Under the Water  
15          Management Agreement, most of the water spilled from these events was allocated to  
16          Churchill Falls or its customers. A small portion of the water spilled was allocated to Muskrat  
17          Falls, related to water that was banked by Muskrat Falls after Churchill Falls notified  
18          Muskrat Falls to minimize/stop banking.

19          **d)** The energy banked in the Churchill Falls reservoirs by Muskrat Falls from January 2021 is  
20          provided in LAB-NLH-030, Attachment 1.