

1 **Q. Please provide a table showing, for the 2023 to 2034 period, the change in electricity**
2 **consumption and change in peak demand due to current and planned electrification**
3 **programs, the change in electricity consumption and change in peak demand due to**
4 **current and planned CDM programs, and the respective net differences.**

5
6 A. *This Request for Information relates to the Electrification, Conservation and Demand*
7 *Management Plan: 2021-2025 (the “2021 Plan”) developed in partnership by*
8 *Newfoundland Power Inc. (“Newfoundland Power”) and Newfoundland and Labrador*
9 *Hydro (“Hydro”) (collectively, the “Utilities”) and the related Technical Conference*
10 *presented by the Utilities on February 1, 2022. Accordingly, the response reflects*
11 *collaboration between the Utilities.*

12
13 CDM programs reduce system costs and provide direct bill savings for customers.
14 Electrification programs provide a rate mitigating benefit for customers by increasing
15 electricity sales in off-peak periods. The Board has recognized that a combination of
16 CDM and electrification programs leads to the best outcomes for customers.¹

17
18 Attachment A shows the change in electricity consumption and change in peak demand
19 due to current and planned electrification and CDM programs from 2023 to 2034.

¹ See *Reference to the Board: Rate Mitigation Options and Impacts, Muskrat Falls Project – Final report*, February 7, 2020, page iii.

Changes in Electricity Consumption and Peak Demand
(2023 to 2034)

Table 1:
CDM and Electrification Programs
Changes in Electricity Consumption and Peak Demand¹
(2023 to 2034)

Year	Electrification Electricity Consumption Impacts (GWh)	Electrification Peak Demand Impacts (MW)	CDM Electricity Consumption Impacts (GWh)	CDM Peak Demand Impacts (MW)	Difference in Electricity Consumption Impacts (GWh)	Difference in Peak Demand Impacts (MW)
2023	6.3	0.4	(62.9)	(13.3)	(56.6)	(12.9)
2024	13.3	0.9	(76.7)	(16.8)	(63.4)	(15.9)
2025	26.9	1.8	(91.4)	(20.6)	(64.5)	(18.8)
2026	56.6	3.7	(77.2)	(18.9)	(20.6)	(15.2)
2027	98.3	6.3	(77.0)	(18.8)	21.3	(12.5)
2028	150.8	9.6	(77.0)	(18.8)	73.8	(9.2)
2029	212.2	13.4	(75.4)	(18.5)	136.8	(5.1)
2030	284.0	18.0	(73.8)	(18.2)	210.2	(0.2)
2031	364.5	23.0	(73.4)	(18.2)	291.1	4.8
2032	453.7	28.7	(69.0)	(17.2)	384.7	11.5
2033	550.7	34.9	(63.1)	(16.4)	487.6	18.5
2034	657.2	41.2	(59.9)	(16.0)	597.3	25.2

¹ Data represents the net cumulative impacts of CDM and electrification initiatives included in the 2021 Plan. Net savings reflect adjustments for: (i) the timing of customer installations giving rise to the energy savings; and (ii) program free ridership (i.e. an estimate of participants who would have chosen the more efficient product without the program).