

1 Q. **Reference: 2026 GRA – Volume I, Schedule A-II: Actual and Forecast Electricity Requirements**
2 **for 2019–2027**

3 Citation #1:

4 2026 GRA Volume 1, Schedule A-II: Actual and Forecast Electricity Requirements for 2019–2027,
5 p. 212 pdf.

6 Citation #2:

7 2026 GRA Volume 1, Schedule G various references to “CFB – Goose Bay Secondary”, pp. 359,
8 368, 371, etc.

9 Citation #3:

10 2018 Capital Budget, Volume II – Tab 13

11 “Hydro projects the load for Upper Lake Melville area to grow from 79.8 MW in 2017 to 104
12 MW in 2042, including received service applications for new data centres, and a Department of
13 Nation Defense conversion to electric boilers in 2020.”

14 ...

15 “The 7.6 MW increase in the 2017 forecast is a direct result of service applications for new data
16 centres, while an increase of approximately 12.5 MW in 2020 is directly attributed to the
17 Department of National Defense (DND) conversion to all-electric boilers.”

18 Preamble:

19 The Department of National Defence is currently replacing the diesel-fueled boilers with electric
20 boilers at 5 Wing Goose Bay (“heating electrification”). Construction commenced in May 2026
21 and is scheduled for completion in December 2030. ([https://www.canada.ca/en/department-
22 national-defence/news/2026/04/minister-thompson-announces-largest-defence-investment-in-
23 newfoundland-and-labradors-history.html](https://www.canada.ca/en/department-national-defence/news/2026/04/minister-thompson-announces-largest-defence-investment-in-newfoundland-and-labradors-history.html))

- 1 **a)** Please indicate the updated firm load (excluding secondary and interruptible load)
2 attributable to heating electrification at 5 Wing Goose Bay.
- 3 **b)** Please present a load forecast for 5 Wing Goose Bay, broken down into firm, secondary
4 and interruptible loads.
- 5 **c)** Please provide the operational definitions of secondary and interruptible loads.
- 6 **d)** Please indicate the date (month and year) that the Department of National Defence has
7 most recently indicated to NLH that this heating electrification load will commence.
- 8 **e)** Please clarify to what extent (if any) the heating electrification will alter secondary
9 energy sales to 5 Wing Goose Bay (i.e., “CFB – Goose Bay Secondary”) compared to
10 historical patterns, including whether this secondary energy demand will continue
11 beyond the commencement of heating electrification.
- 12
- 13
- 14 A. **a)** The firm load associated with the heating electrification at 5 Wing Goose Bay is 18.2 MW
15 (non-coincident) and 17.5 MW (coincident) with an assumed Coincident Factor of 96%.
- 16 **b)** All demand and energy is assumed firm for 5 Wing Goose Bay in the 2025 Operating Load
17 Forecast. Please refer to Table 1 for the demand (non-coincident) and energy requirements
18 on a monthly basis.

Table 1: Firm Demand and Energy Requirements for 5 Wing Goose Bay

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Demand (MW)	18	18	18	16	13	8	5	5	7	13	17	18
Energy (GWh)	10	9	9	7	6	3	3	3	3	7	10	11

1 c) Interruptible loads are loads considered to be non-firm loads that may be interrupted or
2 curtailed at the sole discretion of Newfoundland and Labrador Hydro ("Hydro") to deal with
3 system constraints.¹

4 Secondary Energy was the former 5.1L Rate Class in Labrador and was defined as:

5 For Service to Customers on the Labrador Interconnected grid engaged in fuel
6 switching who purchase a minimum of 1 MW load and a maximum of 24 MW,
7 who provide their own transformer and, who are delivered power at primary
8 voltages. Hydro shall supply Secondary Energy to the Customer at such times
9 and to the extent that Hydro has Churchill Falls electricity available in excess of
10 the amount it requires for its own use, and to meet its commitments and sales
11 opportunities, present and future, for firm energy. Moreover, Hydro may
12 interrupt or reduce the supply of Secondary Energy at its sole discretion for any
13 cause whatsoever. The energy delivered shall be used solely for the operation of
14 the equipment engaged in fuel switching.²

15 As per Board of Commissioners of Public Utilities ("Board") Order No. P.U. 34(2023), the
16 Board approved the discontinuance of Rate No. 5.1L, Secondary Energy and replaced it with
17 5.1L Non-Firm Energy.

18 d) Hydro has assumed the load to be connected in September 2029.

19 e) Hydro considers the 5 Wing Goose Bay heating load as firm, so there are no assumed non-
20 firm sales.

¹ As per the non-firm energy definition, Rate No. 5.1L. Please refer to "Schedule of Rates, Rules and Regulations," Newfoundland and Labrador Hydro, Updated July 1, 2026, https://nlhydro.com/wp-content/uploads/2026/07/Schedule-of-Rates-Rules-and-Regulations_Jul_2026.pdf.

² Please refer to "Newfoundland and Labrador Hydro Schedule of Rates, Rules and Regulations," Newfoundland and Labrador Hydro, Updated January 1, 2019, <https://nlhydro.com/wp-content/uploads/2019/02/2019-01-01-Complete.pdf>.