

IN THE MATTER OF the *Electrical Power Control Act, 1994*, SNL 1994, Chapter E-5.1 (“EPCA”) and the *Public Utilities Act*, RSN 1990, Chapter P-47 (“Act”);

AND IN THE MATTER OF the Application for Exemption to Regulation 17 for Various Customers in Labrador East, filed by Hydro.

**Request for Information
by the Labrador Interconnected Group**

Application for Exemption to Regulation 17

LAB-NLH-001 to LAB-NLH-006

May 6, 2024

Request for Information Regarding the Application for Exemption to Regulation 17

LAB-NLH-1. **Re: Reg. 17 Exemption Application, p. 2 (page 5 pdf)**

Citation 1:

7. On March 17, 2021, in Board Order No. P.U. 17(2021), the Board approved the *Network Additions Policy – Labrador Interconnected System* (“*Network Additions Policy*”) effective April 1, 2021. The *Network Additions Policy* is intended to limit rate increases that can result from investment in new transmission assets to serve new load requests and to achieve a reasonable balance in the sharing of the benefits and the costs of new transmission investments between new and existing customers.

Does Hydro agree that, in order to achieve a reasonable balance in the sharing of the benefits and costs of new transmission investments between new and existing customers, it is reasonable to expect new applicants to make efficient use of the electrical energy provided to them? If not, why not?

LAB-NLH-2. **Re: Reg. 17 Exemption Application, p. 4 (page 7 pdf) and Schedule 1 (page 10 pdf)**

Citation 1:

Department of National Defence, 5 Wing Goose Bay (“DND”) to produce steam at the central heating plant for heating of major buildings and hangars. DND’s application for service, attached to this application as Schedule 1, has an estimated peak demand of 20 MW.

Citation 2 (Schedule 1):

Estimated annual load factor: **35%**

Or estimated annual consumption (kWh) **60,912,000 (Forecast is attached)**

- a) Please provide the forecast attached to the Request for Service, and any other information provided by the applicant.**
- b) Please indicate if any modifications to Hydro’s distribution system would be required to serve this request and, if so, to what extent the costs thereof would be assigned to the applicant.**
- c) Please indicate the annual quantities of fuel and the resulting greenhouse gas emissions from the steam boilers that the applicant intends to replace.**
- d) Please describe in detail the existing steam boiler and the electric system with which it is to be replaced.**

- e) Please describe the condition of the steam heating system to be served by the new electric boilers, indicating in particular:
 - a. When it was last improved or modernized?
 - b. Whether or not an energy audit has been performed on the heating system. If so, please indicate the date of the audit, and the principal findings and recommendations.
- f) Please indicate whether or not the applicant has examined the possibility of using heat pumps, in order to reduce the electricity requirements of the heating system. If so, please provide the results of the review.

LAB-NLH-3. Re: Reg. 17 Exemption Application, p. 4 (page 7 pdf) and Schedule 2 (page 12 pdf)

Citation 1:

College of the North Atlantic, North West River Campus's application for service for its new campus, attached to this application as Schedule 2, lists an estimated peak demand of 700 kVA. Hydro estimates that the peak demand in kW will be very close to that amount.

Citation 2 (Schedule 2):

- 6. Please provide breakdown of connected load (attach separate sheet if more room required).

	<u>1 Phase</u>	<u>3 Phase</u>
Lighting (kW)	10kw	—
Heating (kW)	—	—
Miscellaneous (kW)	50kw	1050 Boilers
Motors (kW)	2	10kw
Total (kW)	62	1060

Citation 3 (Schedule 2):

Date service required (ready for connection). November 1st, 2020

- a) Please confirm that the application includes 1050 kW for boilers, for heating purposes. If that is not the case, please explain in detail the intended use of the requested power.
- b) Is the new campus already open, given the requested service date in 2020? If so, how are the heating and other requirements currently being met?
- c) Please describe the nature of the heating system to be served by the requested power.

- d) **Please describe the steps taken by the applicant to maximize the efficiency of the heating system.**
- e) **Are heat pumps being used? If not, why not?**
- g) **Please indicate if any modifications to Hydro's distribution system would be required to serve this request and, if so, to what extent the costs thereof would be assigned to the applicant.**

LAB-NLH-4. Re: Reg. 17 Exemption Application, p. 4 (page 7 pdf) and Schedule 3 (page 14 pdf)

Citation 1:

College of the North Atlantic, Happy Valley-Goose Bay Campus's application for service, attached to this application as Schedule 3, has an estimated peak demand of 771 kW for electrification of their heating system. Their existing peak demand is approximately 340 kW; providing this service will result in an increase of approximately 431 kW to the current estimated peak demand.

Citation 2 (Schedule 3):

Heating: 540 (New)

- a) **Please indicate if any modifications to Hydro's distribution system would be required to serve this request and, if so, to what extent the costs thereof would be assigned to the applicant.**
- b) **Please indicate the type and annual quantities of fuel and the resulting greenhouse gas emissions from the existing heating system that the applicant intends to replace.**
- c) **Please describe in detail the existing heating system and the electric system with which it is to be replaced. Is it a central heating system, or are local (e.g. baseboard) heaters being installed?**
- d) **Please describe the condition of the heating system to be served by the new electric system, indicating in particular:**
 - a. **When it was last improved or modernized?**
 - b. **Whether or not an energy audit has been performed on the heating system. If so, please indicate the date of the audit, and the principal findings and recommendations.**
- e) **Please indicate whether or not the applicant has examined the possibility of using heat pumps, in order to reduce the electricity requirements of the heating system. If so, please provide the results of the review.**

LAB-NLH-5. Re: Reg. 17 Exemption Application, p. 4 (page 7 pdf) and Schedule 4 (page 16 pdf)

Citation 1:

Spruce Meadow Farm's application for service, attached to this application as Schedule 4, has an estimated peak demand of 190 kW for a four-season greenhouse to serve the local region.

Citation 2 (Schedule 4):

Heating: 75 kW

- a) **Please describe the nature of the heating system to be served by the requested power.**
- b) **Please describe the steps taken by the applicant to maximize the efficiency of the heating system.**
- c) **Are heat pumps being used? If not, why not?**
- h) **Please indicate if any modifications to Hydro's distribution system would be required to serve this request and, if so, to what extent the costs thereof would be assigned to the applicant.**

LAB-NLH-6. Re: Reg. 17 Exemption Application, p. 4 (page 7 pdf) and Schedule 5 (page 19 pdf)

Citation 1:

Innu Nation is requesting service for a Cultural Centre and Museum intended to be located in Sheshatshui. Their application for service, attached to this application as Schedule 5, indicates a total connected load of 516 kW. Hydro is currently working with the Innu Nation to determine the estimated peak load.

Citation 2 (Schedule 4):

Heating: 241 kW

- d) **Please describe the nature of the heating system to be served by the requested power.**
- e) **Please describe the steps taken by the applicant to maximize the efficiency of the heating system.**
- f) **Are heat pumps being used? If not, why not?**

- i) **Please indicate if any modifications to Hydro's distribution system would be required to serve this request and, if so, to what extent the costs thereof would be assigned to the applicant.**