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2026-01-27

Newfoundland and Labrador Hydro

Shirley Walsh

E-mail: shirleywalsh@nlh.nl.ca

Dear Ms. Walsh:

Re: Newfoundland and Labrador Hydro - Approval of Distribution System Upgrades for English Harbour West and a CIAC for Portion of the Costs - To NLH - Requests for Information

Enclosed are Requests for Information PUB-NLH-008 to PUB-NLH-012 regarding the above-noted matter.

If you have any questions, please do not hesitate to contact the Board's Legal Counsel, Ms. Jacqui Glynn, by email, jglynn@pub.nl.ca or by telephone 709-726-6781.

Sincerely,

Colleen Jones

Assistant Board Secretary

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ecc Newfoundland and Labrador Hydro
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1 **IN THE MATTER OF** the **Electrical Power**
2 **Control Act, 1994**, SNL 1994, Chapter E-5.1
3 (the “**EPCA**”) and the **Public Utilities Act**, RSNL
4 1990, Chapter P-47 (the “**Act**”), as amended,
5 and regulations thereunder; and
6

7 **IN THE MATTER OF** an application by
8 Newfoundland and Labrador Hydro for
9 approval of Distribution System Upgrades
10 for English Harbour West, and for approval
11 of a Contribution in Aid of Construction for
12 a portion of the costs.

PUBLIC UTILITIES BOARD
REQUESTS FOR INFORMATION

PUB-NLH-008 to PUB-NLH-012

Issued: January 27, 2026

- PUB-NLH-008**
- (a) Explain why 3,450 kVA was used to compute load-based investment when the customer has indicated that the project is not expected to exceed 2,500 kVA for the first 5 years.
 - (b) Further to the response to PUB-NLH-005(f), if the two-year review process determines that actual load requirements were lower than the 3,450 kVA, how will the difference be treated? Please explain.
 - (c) Reconcile the breakdown of connected load of 3,450 kW provided by the customer in the request for service with the 3,450 kVA used in the CIAC calculation for load-based investment. Include the power factor assumption that was applied.
 - (d) Given a high proportion of the customer load is to supply motors, did Hydro consider whether capacitors should be installed to manage the customer's power factor. If yes, would the cost of this equipment be borne by the customer.
 - (e) Provide the computation of the load factor used in determining the load-based support provided including the forecast maximum demand and energy requirements by month.
 - (f) Please explain the operating characteristics that would explain a 90% load factor for the 8 months of operation from April to November and the 300 kW peak load estimate for the months when the facility is not in operation.
 - (g) Further to the response to PUB-NLH-004, did Hydro complete any independent analysis or request any further support from the customer to determine that a 35-year service life assumption was appropriate and should be used in computing the CIAC? If yes, please provide. If no, provide support for the 35-year service life assumption.
- PUB-NLH-009** Further to the response to PUB-NLH-005(g), please confirm whether Hydro has proposed a true-up of CIAC amounts to reflect actual costs in previous CIAC applications. If confirmed, explain the basis for proposing the use of actual costs rather than estimated costs in previous CIAC applications and why it would not be applicable to this application.
- PUB-NLH-010** Further to the response to PUB-NLH-002, please explain why it is appropriate for the new customer to realize the full benefit of the efficiencies of aligning the work of the CIAC and the Upgrade Worst-Performing Distribution Feeders (2025–2027) program. Explain if the efficiencies can be divided to benefit other customers as well.

PUB-NLH-011 Further to the response to NP-NLH-001:

- (a) Was the addition of voltage regulators or capacitors considered as an alternative to address voltage regulation when the Upgrade Worst-Performing Distribution Feeders (2025-2027) program ("WPF Program") was first proposed? If not, why not?
- (b) In the absence of the service request from the customer, would voltage regulators have been the least cost solution to address voltage regulation? If yes, provide an estimate of installing additional voltage regulators or capacitors on EHW-01 distribution feeder. If not, why not?
- (c) Confirm that the WPF Program scope of work planned to replace 20 kilometers of the initial 23 kilometres from the substation with 1/0 conductor. If yes, confirm that the remaining 3 kilometres of 1/0 conductor is in good condition and would not need to be replaced.

- PUB-NLH-012**
- (a) Explain in detail how the conductor size was selected for both scopes of work and reconcile why the Upgrade Worst-Performing Distribution Feeders (2025-2027) program recommended maintaining the 1/0 conductor size for the higher estimated load while the CIAC project recommended using the larger conductor size of 4/0 for the smaller estimated load.
 - (b) Further to Schedule 1, Attachment 1, Table 4, page 10 of 12, please complete the table below showing conductor planning ratings for the different conductor sizes assuming three-phase loads and 90% power factor.

Conductor Size and Type	Cont. Island Winter Loading (kW)	Planning Factor = 2.0	Planning Factor = 1.33
		Island Winter Loading (kW)	Island Winter Loading (kW)
1/0 AASC			
4/0 AASC			
477 ASC			

DATED at St. John's, Newfoundland and Labrador, this 27th day of January 2026.

BOARD OF COMMISSIONERS OF PUBLIC UTILITIES

Per


 Colleen Jones
 Assistant Board Secretary