

1 Q. Reference: RRAS, 2022 Update, Vol. I, page 12 (36 pdf)

2 Citation:

3 A review of the system's energy capability and forecasted load requirements
4 has resulted in the extension of the existing energy planning criteria to cover the
5 entire Newfoundland and Labrador Interconnected System, as follows.

6 **Energy:** The Newfoundland and Labrador Interconnected System should have
7 sufficient generating capability to supply all of its firm energy requirements with
8 firm system capability.

- 9 a) In the context of the subregional planning mentioned earlier in the Update, and of the
10 uncertainties associated with the LIL that connects them, please confirm that the IIS and the
11 LIS each should have sufficient generating capability to supply all of its firm energy
12 requirements with firm system capability. If not, please explain in detail why not.
13 b) Please provide the results of Hydro's planning exercise with respect to the Energy Criterion
14 for a) the IIS and b) the LIS.

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17 A. a) The review of the system's energy capability was conducted for the entire Newfoundland
18 and Labrador Interconnected System against different Island and Labrador load forecast
19 scenarios.

20 With the increasing potential for industrial load growth in the Labrador Interconnected
21 System and increased electrification and electric vehicle growth on the Island
22 Interconnected System, the Newfoundland and Labrador Interconnected System may be at
23 risk of violating the energy criterion by 2030 in the higher load growth scenarios. The
24 “Reliability and Resource Adequacy Study – 2022 Update,” (“2022 Update”) contains a
25 summary of the results¹ as well as a detailed firm energy analysis.²

¹ "Reliability and Resource Adequacy Study - 2022 Update," Newfoundland and Labrador Hydro, October 3, 2022, vol. III, sec. 6.0, pp. 41–42.

² "Reliability and Resource Adequacy Study - 2022 Update," Newfoundland and Labrador Hydro, October 3, 2022, vol. III, att. 5.

1 As part of the Reliability and Resource Adequacy Study – 2023 Update, Newfoundland and
2 Labrador Hydro (“Hydro”) will assess the requirement for separate sub-regional energy
3 criteria.

4 **b)** As noted in part a) of this response, the 2022 Update contains a detailed firm energy
5 analysis for the Newfoundland and Labrador Interconnected System.³

³ Ibid.