

1 Q. **Reference: Program 5 Replace Diesel Gensets (2025-2027), page 2.**

2 Hydro states that the final year in the forecast puts the expected peak load at 6,238kW, which is
3 93% of the L'Anse-au-Loup station's firm capacity of 6,700kW.

4 a) Does Hydro consider mobile units as part of its firm capacity?

5 b) What is the firm capacity if the mobile unit isn't considered firm?

6 c) What will be the firm capacity if Unit 2005 is replaced with a 1,500kW unit?

7 d) What will be the firm capacity if Unit 2005 is replaced with a 1,500kW unit and Unit
8 2041 is not replaced?

9 e) When Unit 2005 is replaced with a 1,500kW unit, will the mobile unit still be required?

10

11

12 A. a) Newfoundland and Labrador Hydro ("Hydro") does include a mobile unit (Unit 2082) as part
13 of its firm capacity at the L'Anse-au-Loup Diesel Generating Station due to the availability of
14 the connection to Hydro-Québec's distribution system.

15 b) Please refer to Table 1, Column "Existing Firm Capacity Without Unit 2082."

16 c) Please refer to Table 1, Column "Proposed Firm Capacity."

17 d) Please refer to Table 1, Column "Proposed Firm Capacity Without Unit 2041."

18 e) The mobile unit will still be required when Unit 2005 is replaced with a 1,500 kW unit. If the
19 mobile unit was removed from service, the firm capacity at the L'Anse-au-Loup Diesel
20 Generating Station would become 5,600 kW, which is below the expected peak load of
21 6,238 kW. Please refer to Table 1, Column "Proposed Firm Capacity Without Unit 2082" for
22 details.

Table 1: L'Anse-au-Loup Diesel Generating Station Capacity Summary

Unit Number	Existing Capacity (kW)	Existing Firm Capacity Without Unit 2082 (kW)	Proposed Firm Capacity (kW)	Proposed Firm Capacity Without Unit 2041 (kW)	Proposed Firm Capacity Without Unit 2082 (kW)
2005	800	800	1,500	1,500	1,500
2107	1,600	1,600	1,600	1,600	1,600
2041	1,000	1,000	1,000	-	1,000
2095	1,500	1,500	1,500	1,500	1,500
2091	1,800	1,800	1,800	1,800	1,800
2082 (Mobile)	1,825	-	1,825	1,825	-
Total Capacity	8,525	6,700	9,225	8,225	7,400
Firm Capacity	6,700	4,900	7,400	6,400	5,600