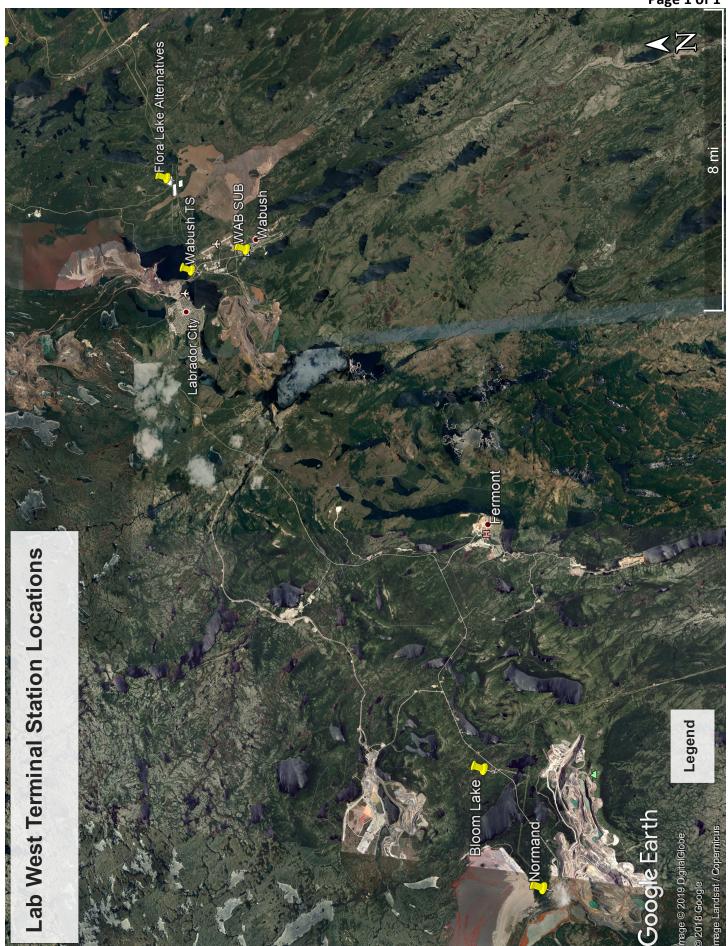
1 Q. Reference: Labrador Expansion Study, p. 32 (p. 40 pdf)									
2		Cit	Citation:						
3									
4 5			7.2.1 Considerations for an Interconnection to Hydro-Québec						
6			As per Table 11, if incremental loads are such that forecasted loads in Labrador						
7			West exceed 434 MW, the least-cost alternative will involve an interconnection						
8			with Hydro-Québec at its Bloom Lake ("BLK") Station.						
9			, , , , , , , , , , , , , , , , , , , ,						
10			Hydro has been in consultation with Hydro-Québec TransÉnergie ("HQT") with						
11			respect to interprovincial interconnection alternatives. These discussions have						
12			included cooperative transmission planning activities and have allowed for a						
13			shared understanding of commercial processes if such an interconnection were						
14			to be pursued.						
15									
16			From a transmission planning perspective, a preliminary load flow study has been						
17			performed cooperatively by personnel from both utilities. The outcome of this						
18			analysis is that HQT has validated Hydro's load flow models and analysis and has						
19			provided preliminary confirmation of the technical viability of the interconnection.						
20 21			interconnection.						
22			From a commercial standpoint, personnel from HQT have informed Hydro that if						
23			the interconnection is to be pursued, a Transmission Service Request will need to						
24			be submitted.34 This request will be for a point-to-point service to a new						
25			delivery point to be established at the border in western Labrador. This request						
26			will trigger the system impact study process.						
27									
28		a)	Please:						
29									
30			i) confirm that neither the Bloom Lake nor the Flora Lake substations currently exist;						
31			and						
32									
33			ii) provide a map showing the locations of these two proposed substations and the						
34			new lines required to interconnect them to both the HQ and NLH transmission						
35			systems.						

1		b) Please explain Hydro's power supply assumptions with respect to the Hydro-Québec				
2		interconnection scenario. Would Hydro purchase electricity from Hydro-Québec, or would				
3		it wheel its own power over the HQ transmission system? If neither option has been				
4		excluded, please describe the advantages and disadvantages, both economic and				
5		otherwise, of each.				
6						
7						
8	A.	a) Please see responses below:				
9						
10		i) The Bloom Lake Terminal Station is an existing terminal station, belonging to Quebec				
11		Iron Ore. Normand Terminal Station is owned by Hydro-Québec and is roughly 5 km to				
12		the south west of the existing Bloom Lake Terminal Station. Both stations are				
13		interconnected at 315 kV. The Flora Lake Terminal Station does not currently exist.				
14						
15		ii) Please refer to LAB-NLH-084, Attachments 1 and 2 showing locations of relevant				
16		terminal stations and transmission line routing.				
17						
18		b) In the event that an interconnection is made with Hydro-Québec, Newfoundland and				
19		Labrador Hydro would consider all options including the purchase of electricity from				
20		outside the province of Newfoundland and Labrador or the wheeling of its own power. The				
21		selection of the preferred solution would be through a supply adequacy study. Cost benefi				
22		analyses would be performed to assess economic advantages and disadvantages of these				
23		alternatives, which would be dependent of the following parameters:				
24						
25		 Forecasted capacity requirements; 				
26		 Available supply within the province of Newfoundland and Labrador; 				
27		• The cost of incremental supply within the province of Newfoundland and Labrador;				
28		The cost of tariffs; and				
29		The cost of imported capacity and energy.				



LAB-NLH-084, Attachment 2
Network Additions Policy and Labrador Interconnected System Transmission Expansion Study
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