1	Q.	Re	Reference: Network Addition Policy Summary Report, section 2.3.2, page 5 (p. 8 pdf)			
2		Cit	Citation:			
3 4 5 6 7			The Expansion Cost per kW is an estimate of the cost of potential transmission upgrades on the LIS (not reflected in the Transmission Expansion Plan) divided by the additional capacity provided by those transmission upgrades.			
8		a)	Please confirm that Table 1 (Derivation of Expansion Costs per kW) describes the			
9			derivation of the Expansion Cost of \$465/kW set out in Appendix A to the Policy.			
10						
11		b)	Please explain what is meant by the parenthetical expression "not reflected in the			
12			Transmission Expansion Plan ». Are not the projects described in Table 1 found in the			
13			Labrador Interconnected System Transmission Expansion Study?			
14						
15		c)	Please explain the basis upon which Hydro decided which projects from the Labrador			
16			Interconnected System Transmission Expansion Study to include in Table 1.			
17						
18		d)	With respect to Labrador East, please explain why the MFHVI project, described at			
19			Alternative 2 in section 5.1.1 and recommended in section 11.2 of the Transmission			
20			Expansion Study, was not included in Table 1.			
21						
22		e)	With respect to Labrador West, please explain why the Alternatives 5 and 17, selected			
23			as the preferred alternatives in Table 11 on page 31 of the Transmission Expansion			
24			Study and included as recommendations in section 11.2, were not included in Table 1.			
25						
26		f)	Please recompute the Expansion Cost per kW under the following hypotheses:			
27						
28			i) Inclusion of the MFHVI project;			
29			ii) Inclusion of Alternatives 5 and 17 for Labrador West; and			
30			iii) Inclusion of the MFHVI project and Alternatives 5 and 17.			

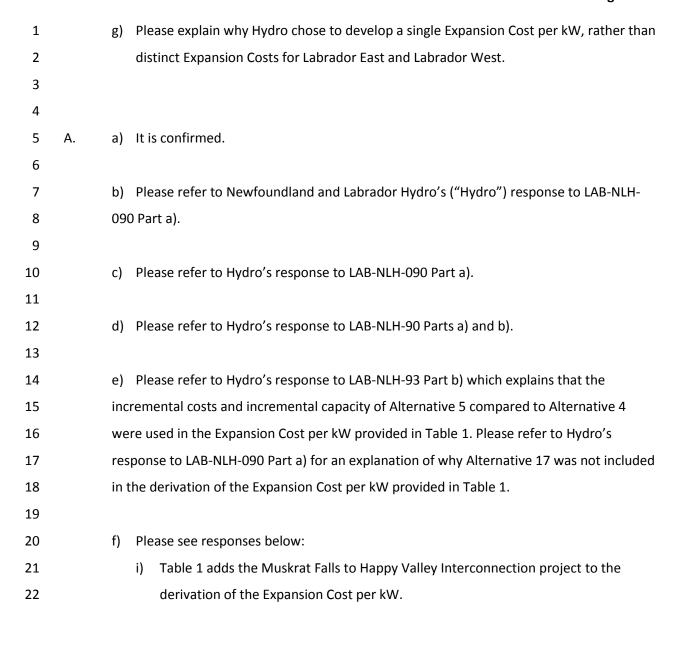


Table 1: Derivation of Expansion Costs per kW Alt Scenario 1

Line	Region	Capacity (kW)	Description	2019 Capital Investment (\$000)	Direct Investment (\$ per kW)
1	Labrador East	27,000	Muskrat Falls to Happy Valley Interconnection Project	19,978	740
2		21,000	Transformer Upgrades at Happy Valley-Goose Bay	5,000	238
3		37,000	Transformer Upgrades at Happy Valley-Goose Bay and Muskrat Falls Terminal Station 2	15,000	405
4		100,000	Construction of Second Line from Muskrat Falls to Happy Valley-Goose Bay	50,000	500
5	Labrador West	33,000	Wabush T5 Upgrades and 230 kV Uprating (Alt. 5 Incremental)	16,500	500
6	Subtotal	218,000		106,478	488
7	O&M				12
8	Total				500

ii) Table 2 adds Alternatives 5 and 17 for Labrador West in the derivation of the Expansion Cost per kW and removes the Alternative 5 incremental cost used in the filed Expansion Cost per kW.

Table 2: Derivation of Expansion Costs per kW Alt Scenario 2

1

2

4

5

6

7

Line	Region	Capacity (kW)	Description	2019 Capital Investment (\$000)	
1	Labrador East	21,000	Transformer Upgrades at Happy Valley-Goose Bay	5,000	238
2		37,000	Transformer Upgrades at Happy Valley-Goose Bay and Muskrat Falls Terminal Station 2	15,000	405
3		100,000	Construction of Second Line from Muskrat Falls to Happy Valley-Goose Bay	50,000	500
4	Labrador West	67,000	Wabush T5 Upgrades and 230 kV Uprating (Alt. 5 Total)	31,660	473
5		100,000	Alternative 17	153,150	1,532
6	Subtotal	325,000		254,810	784
7	O&M				12
8	Total				796

iii) Table 3 adds the Muskrat Falls to Happy Valley Interconnection project for Labrador East and Alternatives 5 and 17 for Labrador West in the derivation of the Expansion Cost per kW. The calculation also removes the Alternative 5 incremental cost used in the filed Expansion Cost per kW.

Page 4 of 4

Table 3: Derivation of Expansion Costs per kW Alt Scenario 3

Line	Region	Capacity (kW)	Description	2019 Capital Investment (\$000)	Direct Investment (\$ per kW)
1	Labrador East	27,000	Muskrat Falls to Happy Valley Interconnection Project	19,978	740
2		21,000	Transformer Upgrades at Happy Valley-Goose Bay	5,000	238
3		37,000	Transformer Upgrades at Happy Valley-Goose Bay and Muskrat Falls Terminal Station 2	15,000	405
4		100,000	Construction of Second Line from Muskrat Falls to Happy Valley-Goose Bay	50,000	500
5	Labrador West	67,000	Wabush T5 Upgrades and 230 kV Uprating (Alt. 5 Total)	31,660	473
6		100,000	Alternative 17	153,150	1,532
7	Subtotal	352,000		274,788	781
8	O&M				12
9	Total				793

g) Please refer to LAB-NLH-092.

1