## Q. Re: Labrador Expansion Study, p. 38 (pdf); Network Addition Policy, page 8 (pdf)

## 2 Citation 1 (Expansion Study):

1

Table 10: Labrador East - Proposed Future Phases

Phase	Load Trigger (MW) <sup>30</sup>	<b>Project Description</b>	Cost Estimate (\$ million) <sup>31</sup>
1	>77	MF to HVY Interconnection	20
2	>104	Transformation Upgrade at HVYTS <sup>32</sup>	5
3	>125	Transformation Upgrade at HVYTS and MFATS233	15
4	>162	Construction of Second Line from ME to HVV	50

## 3 Citation 2 (Network Addition Policy)

Table 1
Derivation of Expansion Costs per kW

Region	Capacity kW	Description	2019 Capital Investment (\$000)	Direct Investment \$ per kW
Labrador East	21,000	Transformer Upgrades at HV-GB	5,000	238
	37,000	Transformer Upgrades at HV-GB and MF Terminal Station	15,000	405
	100,000	Construct second line from MF to HV-GB	50,000	500
Labrador West	33,000	Wabush TS Upgrades and 230 kV uprating	16,500	500
Sub-Total	191,000		86,500	453
O&M <sup>9</sup>				12
Total	-			465

- a) Please confirm that the three expansion projects identified for Labrador East in the Network Addition Policy are identical to the projects identified as Phase 2, 3 and 4 in the table from the Transmission Expansion Study.
- b) Please explain why the Phase 1 project from the Transmission Expansion Study (the MF to HVY Interconnection) was not included in the derivation of expansion costs in the Network Addition Policy.

11 A.

4

5

6

7

8

9

10

12

13

a) It is confirmed that the three expansion projects identified for Labrador East in the "Network Addition Policy" are identical to the projects identified as Phase 2,

## 2018 Capital Budget Application - Muskrat Falls to Happy Valley Interconnection Project

<b>Page</b>	2	of	2
-------------	---	----	---

3, and 4 in the table from the "Labrad	or Interconnected Sy	stem Transmission
Expansion Study."		

b) The derivation of expansion cost in the "Network Addition Policy" involves the cost of transmission system expansion to meet incremental load beyond the baseline load forecast. Such projects are listed in Table 1 in Citation 2 from the "Network Addition Policy." Transmission system projects that are required to meet the baseline load forecast are not a component of this calculation.

The Muskrat Falls to Happy Valley Interconnection is the least-cost transmission system solution to meet the baseline forecast in eastern Labrador. As such, this interconnection is part of the baseline expansion plan, as defined in the "Labrador Interconnection System Transmission Expansion Study." This project is therefore excluded from the derivation of expansion cost.