

1    Q.    **Re: NLH Amended Application, page 2.70, Table 2.19 and IN-NLH-045, Rev. 1**

2            Preamble:

3            The RFI requests the breakdown of the Labrador Interconnected load  
4            forecast into Lab East and Lab West components. The responses referred to  
5            provide forecasts for Happy Valley-Goose Bay, Lab City and Wabush, but not  
6            for Sheshatshiu, Northwest River or for Lab East as a whole.

7            Please break down the load forecasts in Table 2.19, in IN-NLH-005 rev. 1 and in NP-  
8            NLH-011 rev. 1, Schedule 3 into their Labrador East and Labrador West  
9            components.

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12    A.    Please see the following table, which provides Hydro's most recent operating load  
13           forecast as stated in Hydro's responses to IN-NLH-005 (Revision 1, Dec 4-14) and  
14           NP-NLH-011 (Revision 2, Dec 19-14) Schedule 3, with subtotals for Labrador East  
15           and Labrador West and note that load requirements for the communities of  
16           Sheshatshiu and Northwest River are included in Happy Valley – Goose Bay. Please  
17           also note that Hydro revised its Labrador interconnected load forecast in November  
18           2014 to exclude forecast industrial energy sales associated with the Kami mine  
19           development, due to the uncertainty of the timing of the project. The modest  
20           difference in total Hydro Labrador requirements indicated in Table 2.19 of Hydro's  
21           Amended Application compared to the total Hydro Labrador requirements  
22           indicated in Hydro's responses to IN-NLH-005 (Revision 1, Dec 4-14) and in NP-NLH-  
23           011 (Revision 2, Dec 19-14) Schedule 3, are associated with the Kami mine  
24           development and the associated transmission losses.

**Newfoundland and Labrador Hydro**  
**Forecast Electricity Requirements for 2018 to 2023**

**Schedule III - Extension**

**Labrador Interconnected System**

	2015 Forecast		2016 Forecast		2017 Forecast		2018 Forecast		2019 Forecast		2020 Forecast		2021 Forecast		2022 Forecast		2023 Forecast	
	MW	GWh	MW	GWh	MW	GWh	MW	GWh	MW	GWh	MW	GWh	MW	GWh	MW	GWh	MW	GWh
Labrador East																		
Happy Valley - Goose Bay	78.4	325.4	79.5	327.3	79.3	311.6	76.2	319.9	79.1	334.2	79.8	336.2	80.3	337.3	80.6	339.0	81.0	340.4
Department of National Defence	-	10.2	-	10.2	-	10.2	-	3.3	-	-	-	-	-	-	-	-	-	-
Total Labrador East (excluding losses)	78.4	335.6	79.5	337.5	79.3	321.8	76.2	323.2	79.1	334.2	79.8	336.2	80.3	337.3	80.6	339.0	81.0	340.4
Labrador West																		
Labrador City and Wabush (Rural)	81.3	361.2	87.9	350.5	80.6	331.1	81.5	334.8	82.3	338.0	83.1	339.4	83.4	340.0	83.6	341.0	83.8	341.6
Industrial (IOCC and Wabush Mines)	61.0	154.2	61.0	154.3	61.0	154.3	61.0	154.4	na	149.1	na	149.1	na	149.1	na	149.1	na	149.1
Total Labrador West (excluding losses)	142.3	515.4	148.9	504.8	141.6	485.4	142.5	489.2	na	487.1	na	488.5	na	489.1	na	490.1	na	490.7
Churchill Falls	0.3	1.5	0.3	1.5	0.3	1.5	0.3	1.5	0.3	1.5	0.3	1.5	0.3	1.5	0.3	1.5	0.3	1.5
Total Deliveries	195.4	852.6	202.1	843.8	195.6	808.7	193.6	813.9	na	822.8	na	826.2	na	827.9	na	830.6	na	832.6
Transmission Losses	24.6	66.1	25.4	52.6	24.6	50.0	24.4	50.5	na	51.6	na	51.9	na	52.0	na	52.2	na	52.5
<b>Hydro Labrador Requirement</b>	<b>222.0</b>	<b>918.7</b>	<b>227.5</b>	<b>896.4</b>	<b>220.2</b>	<b>858.7</b>	<b>218.0</b>	<b>864.4</b>	<b>na</b>	<b>874.4</b>	<b>na</b>	<b>878.1</b>	<b>na</b>	<b>879.9</b>	<b>na</b>	<b>882.8</b>	<b>na</b>	<b>885.1</b>

Notes:

1. Wabush and Labrador City are forecast on a regional basis post 2019 .
2. Sales to the Department of National Defence are secondary sales.
3. Hydro Labrador Requirement MW's exclude interruptible and secondary load.
4. Demands for Total Deliveries and Transmission Losses are coincident with system peak.
5. The forecasts are sourced to the November 2014 load forecast.
6. Industrial and system MW associated with Recall power have not been forecast beyond 2018.