

1 Q. **Re: NLH Evidence, Section 2, Schedules**

2 Please extend the forecasts presented in Schedules II, III and IV through 2022.

3 For the Labrador Interconnected System, please use the categories presented in  
4 Schedule III.

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7 A. Please see Hydro's response to NP-NLH-011 for extended forecasts of Schedule's II,  
8 III and IV for the years 2016 and 2017. [ ]

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10 Included on the following pages is an extension of Schedules II and III that provide  
11 years 2018 through 2023 and an extension of Schedule IV that provides years 2018  
12 through 2019. Note that Hydro's forecast requirements for Happy Valley-Goose Bay  
13 includes a provision for increased firm sales to the Department of National Defence  
14 in the 2018/2019 time frame that is currently associated with Department of  
15 National Defence secondary sales. For its isolated diesel systems forecasts  
16 presented in Schedule IV, Hydro has annual load requirement forecasts available for  
17 a period of six years including the current year. An extension of Schedule IV beyond  
18 year 2019 is not available.

**Newfoundland and Labrador Hydro  
Forecast Electricity Requirements  
Island Interconnected System**

**Schedule II - Extension**

	2018 Forecast		2019 Forecast		2020 Forecast		2021 Forecast		2022 Forecast		2023 Forecast	
	MW	GWh	MW	GWh	MW	GWh	MW	GWh	MW	GWh	MW	GWh
Newfoundland Power	1,346.9	6,043.4	1,358.6	6,086.1	1,366.8	6,150.6	1,374.7	6,218.2	1,388.6	6,251.1	1,400.7	6,275.2
Hydro Rural Interconnected	93.2	444.2	92.9	442.7	91.4	435.5	91.6	436.7	91.4	435.6	91.1	434.1
Industrial Customers	120.2	944.5	122.5	940.1	122.5	940.0	122.5	940.0	122.5	940.0	122.5	940.0
Total Deliveries	1,533.0	7,432.1	1,546.5	7,468.9	1,553.1	7,526.1	1,561.3	7,594.8	1,574.8	7,626.8	1,586.6	7,649.3
Transmission Losses	53.7	243.8	54.1	244.9	53.0	238.1	53.2	239.0	53.6	239.5	53.9	239.8
<b>Hydro Island Requirement</b>	<b>1,586.7</b>	<b>7,675.9</b>	<b>1,600.6</b>	<b>7,713.8</b>	<b>1,606.2</b>	<b>7,764.2</b>	<b>1,614.5</b>	<b>7,833.9</b>	<b>1,628.4</b>	<b>7,866.3</b>	<b>1,640.4</b>	<b>7,889.1</b>

Notes:

1. Hydro Island Requirement MW's are NLH system coincident MW's and include customer firm demand requirements only.
2. Demands for Total Deliveries and Transmission Losses are coincident with system peak.
3. The forecasts are sourced to the November 2014 load forecast.

Newfoundland and Labrador Hydro  
Forecast Electricity Requirements for 2018 to 2023  
Labrador Interconnected System

Schedule III - Extension

	2018 Forecast		2019 Forecast		2020 Forecast		2021 Forecast		2022 Forecast		2023 Forecast	
	MW	GWh	MW	GWh	MW	GWh	MW	GWh	MW	GWh	MW	GWh
Hydro Rural Interconnected												
Happy Valley - Goose Bay	76.2	319.9	79.1	334.2	79.8	336.2	80.3	337.3	80.6	339.0	81.0	340.4
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
Wabush	23.2	93.0	23.6	94.2								
Labrador City	58.3	241.8	58.7	243.8	83.1	339.4	83.4	340.0	83.6	341.0	83.8	341.6
Total	158.0	656.2	161.7	673.7	163.2	677.1	164.0	678.8	164.5	681.5	165.1	683.5
Department of National Defence	-	3.3	-	-	-	-	-	-	-	-	-	-
Iron Ore Company of Canada	57.0	148.4	na	149.1	na	149.1	na	149.1	na	149.1	na	149.1
Wabush Mines	4.0	6.0	-	-	-	-	-	-	-	-	-	-
Total Deliveries	193.6	813.9	na	822.8	na	826.2	na	827.9	na	830.6	na	832.6
Transmission Losses	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>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.

**Newfoundland and Labrador Hydro**  
**Forecast Electricity Requirements for 2018 and 2019      Schedule IV - Extension**  
**Isolated Systems**

	2018 Forecast		2019 Forecast	
	<u>kW</u>	<u>MWh</u>	<u>kW</u>	<u>MWh</u>
<b>Labrador Isolated</b>				
L'Anse au Loup	5,848	25,646	5,895	25,803
Others	10,815	46,483	10,958	47,093
<b>Total</b>	16,663	72,129	16,853	72,896
<b>Island Isolated</b>	2,233	7,545	2,226	7,518
<b>Total Isolated</b>		79,674		80,415

Notes:

1. Peaks are non-coincident net annual maximums.
2. Net production excludes station services.
3. The 2018 forecast is sourced to the Spring 2013 Rural Operating Load Forecast.
4. The 2019 forecast is an extension to the Spring 2013 Rural Operating Load Forecast.
5. Labrador Isolated Others category does not include Natuashish which is operated by Hydro for the Department of Indian and Northern Affairs with full cost recovery.