

1 Q. **Reference: Rate Schedule, Section E: RSP Surplus, page 14 of 47**

2 On a monthly basis, please provide in tabular form showing the forecast demand
3 and energy for the years 2013 to 2018 for each of NP, Island Interconnected Rural,
4 Vale, CBPP, NARL, Praxair and Teck Resources.

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7 A. Please see page 5 of 10 of Hydro's response to IC-NLH-030 for a monthly demand
8 and energy forecast for the year 2013. The following tables provide forecast
9 monthly demand and energy for the years 2014 to 2018 with monthly industrial
10 requirements provided for the total Industrial Customer class due to confidentiality
11 concerns within this group.

OPERATING INTERCONNECTED ISLAND LOAD FORECAST

<u>2014</u>	Jan-14		Feb-14		Mar-14		Apr-14		May-14		Jun-14		Jul-14		Aug-14		Sep-14		Oct-14		Nov-14		Dec-14		Annual Energy
	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	GWH
Newfoundland Power	1263.3	704.3	1219.0	634.9	1119.4	636.0	933.3	488.1	805.3	410.2	721.1	352.3	586.3	317.3	572.9	320.5	610.9	318.5	818.8	411.2	968.7	498.6	1190.7	648.3	5740.2
Hydro Rural Interconnected	95.4	51.4	91.0	45.0	85.7	43.7	77.4	38.2	72.5	36.8	67.8	32.7	63.2	31.8	59.6	30.0	62.9	27.5	66.8	32.3	76.3	37.3	95.4	48.0	454.7
Industrial																									
Power on Order	75.5	41.5	75.5	37.5	76.5	42.3	79.5	43.2	80.5	45.2	82.5	45.3	91.5	53.2	91.5	53.2	101.5	58.6	101.5	60.5	101.5	58.6	101.5	60.5	599.6
Interruptible	0.5	0.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Total NLH Sales	76.0	41.6	76.0	37.6	76.5	42.3	79.5	43.2	80.5	45.2	82.5	45.3	91.5	53.2	91.5	53.2	101.5	58.6	101.5	60.5	101.5	58.6	101.5	60.5	599.8
TOTAL NLH SALES	1410.0	797.3	1361.8	717.5	1258.7	722.0	1068.4	569.5	937.5	492.2	851.2	430.3	720.2	402.3	703.5	403.7	752.4	404.6	962.6	504.0	1120.1	594.5	1358.6	756.8	6794.7
Losses	43.7	25.6	42.2	23.1	39.0	23.2	33.1	18.3	34.8	19.0	36.8	19.3	31.2	18.0	30.4	18.1	32.5	18.2	30.2	16.4	35.1	19.3	42.1	24.6	243.1
Required NLH Generation	1453.7	822.9	1404.0	740.6	1297.7	745.2	1101.5	587.8	972.3	511.2	888.0	449.6	751.4	420.3	733.9	421.8	784.9	422.8	992.8	520.4	1155.2	613.8	1400.7	781.4	7037.8
<u>2015</u>	Jan-15		Feb-15		Mar-15		Apr-15		May-15		Jun-15		Jul-15		Aug-15		Sep-15		Oct-15		Nov-15		Dec-15		Annual Energy
	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	GWH
Newfoundland Power	1280.7	709.1	1233.2	642.0	1127.1	640.0	939.1	490.9	814.0	416.5	722.4	354.4	590.7	320.8	576.6	323.7	619.6	324.9	822.9	416.5	975.1	503.7	1193.9	650.0	5792.5
Hydro Rural Interconnected	95.2	51.3	90.8	44.9	85.5	43.5	77.2	38.1	72.3	36.7	67.7	32.7	63.0	31.8	59.5	29.9	62.7	27.4	66.6	32.2	76.1	37.2	95.2	47.9	453.6
Industrial																									
Power on Order	103.5	63.3	103.5	57.7	108.5	67.0	101.5	60.3	101.5	63.2	101.5	61.3	107.5	67.5	107.5	67.5	107.5	49.4	112.5	71.2	113.5	69.7	116.5	74.2	772.3
Interruptible	0.5	0.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Total NLH Sales	104.0	63.4	104.0	57.8	108.5	67.0	101.5	60.3	101.5	63.2	101.5	61.3	107.5	67.5	107.5	67.5	107.5	49.4	112.5	71.2	113.5	69.7	116.5	74.2	772.5
TOTAL NLH SALES	1453.7	823.8	1402.4	744.7	1296.5	750.5	1095.8	589.3	967.0	516.4	871.8	448.4	742.0	420.1	724.7	421.1	770.4	401.7	980.6	519.9	1141.3	610.6	1379.3	772.1	7018.6
Losses	45.1	24.8	43.5	22.7	40.2	22.7	34.0	18.0	35.9	17.8	37.7	19.1	32.1	17.7	31.3	17.9	33.3	16.8	30.8	16.9	35.8	19.4	42.8	24.2	238.0
Required NLH Generation	1498.8	848.6	1445.9	767.4	1336.7	773.2	1129.8	607.3	1002.9	534.2	909.5	467.5	774.1	437.8	756.0	439.0	803.7	418.5	1011.4	536.8	1177.1	630.0	1422.1	796.3	7256.6

NOTES:

1. Newfoundland Power MW's are maximum purchase MW's.
2. Forecast energy losses based on historical operating history. Forecast peak month demand losses at 3%.
3. Required NLH Net Generation MW's are NLH system coincident MW's and include customer firm demand requirements only.

Date: June 21, 2013

Prepared By: Market Analysis Section, System Planning Department

OPERATING INTERCONNECTED ISLAND LOAD FORECAST

<u>2016</u>	Jan-16		Feb-16		Mar-16		Apr-16		May-16		Jun-16		Jul-16		Aug-16		Sep-16		Oct-16		Nov-16		Dec-16		Annual Energy
	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	GWH
Newfoundland Power	1289.9	715.5	1245.7	672.9	1137.6	645.9	950.3	496.8	823.7	419.5	729.8	356.0	591.3	320.1	586.1	327.8	620.8	323.5	830.2	416.5	989.3	508.9	1203.5	655.0	5858.4
Hydro Rural Interconnected	93.3	50.2	89.0	44.0	83.7	42.7	75.6	37.3	70.9	36.0	66.3	32.0	61.7	31.1	58.3	29.3	61.5	26.9	65.3	31.6	74.6	36.4	93.3	46.9	444.4
Industrial																									
Power on Order	116.5	74.6	121.5	70.6	121.5	78.4	125.5	78.8	125.5	81.3	127.5	80.1	128.5	83.5	128.5	83.5	128.5	80.9	128.5	83.5	128.5	80.9	128.5	83.5	959.6
Interruptible	0.5	0.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Total NLH Sales	117.0	74.7	122.0	70.7	121.5	78.4	125.5	78.8	125.5	81.3	127.5	80.1	128.5	83.5	128.5	83.5	128.5	80.9	128.5	83.5	128.5	80.9	128.5	83.5	959.8
TOTAL NLH SALES	1472.9	840.4	1429.5	787.6	1317.2	767.0	1127.1	612.9	996.9	536.8	901.2	468.1	760.3	434.7	751.9	440.6	789.4	431.3	1001.1	531.6	1167.6	626.2	1397.9	785.4	7262.6
Losses	45.7	23.7	44.3	22.7	40.8	21.7	34.9	17.7	37.0	16.4	39.0	18.8	32.9	17.0	32.5	17.6	34.1	16.8	31.4	17.4	36.6	19.4	43.3	23.8	233.0
Required NLH Generation	1518.6	864.1	1473.8	810.3	1358.0	788.7	1162.0	630.6	1033.9	553.2	940.2	486.9	793.2	451.7	784.4	458.2	823.5	448.1	1032.5	549.0	1204.2	645.6	1441.2	809.2	7495.6

<u>2017</u>	Jan-17		Feb-17		Mar-17		Apr-17		May-17		Jun-17		Jul-17		Aug-17		Sep-17		Oct-17		Nov-17		Dec-17		Annual Energy
	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	GWH
Newfoundland Power	1304.0	723.7	1257.5	654.5	1144.4	649.6	959.9	501.8	826.0	420.6	732.1	357.0	595.6	322.2	585.3	327.6	618.2	322.5	829.1	415.7	986.0	507.1	1211.1	659.1	5861.4
Hydro Rural Interconnected	91.6	49.3	87.4	43.2	82.3	41.9	74.3	36.7	69.6	35.4	65.1	31.4	60.6	30.6	57.3	28.8	60.4	26.4	64.1	31.0	73.3	35.8	91.6	46.1	436.6
Industrial																									
Power on Order	128.5	83.4	128.5	75.3	128.5	83.5	128.5	80.9	128.5	83.5	128.5	80.9	128.5	83.5	128.5	83.5	128.5	64.9	129.5	73.6	129.5	81.5	129.5	84.2	958.7
Interruptible	0.5	0.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Total NLH Sales	129.0	83.5	129.0	75.4	128.5	83.5	128.5	80.9	128.5	83.5	128.5	80.9	128.5	83.5	128.5	83.5	128.5	64.9	129.5	73.6	129.5	81.5	129.5	84.2	958.9
TOTAL NLH SALES	1496.2	856.5	1446.1	773.1	1329.0	775.0	1138.1	619.4	1000.7	539.5	903.3	469.3	763.5	436.3	750.2	439.9	785.8	413.8	999.7	520.3	1164.0	624.4	1404.7	789.4	7256.9
Losses	46.4	24.1	44.8	22.3	41.2	21.9	35.3	17.9	37.2	16.5	39.1	18.8	33.0	17.1	32.4	17.6	34.0	16.1	31.4	17.0	36.5	19.3	43.5	23.9	232.5
Required NLH Generation	1542.6	880.6	1490.9	795.4	1370.2	796.9	1173.4	637.3	1037.9	556.0	942.4	488.1	796.5	453.4	782.6	457.5	819.8	429.9	1031.1	537.3	1200.5	643.7	1448.2	813.3	7489.4

NOTES:

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Prepared By: Market Analysis Section, System Planning Department

OPERATING INTERCONNECTED ISLAND LOAD FORECAST

<u>2018</u>	Jan-18		Feb-18		Mar-18		Apr-18		May-18		Jun-18		Jul-18		Aug-18		Sep-18		Oct-18		Nov-18		Dec-18		Annual Energy
	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	GWH
Newfoundland Power	1308.6	724.0	1252.3	651.7	1148.0	651.5	958.3	500.8	828.3	421.7	732.8	357.3	596.5	322.3	582.9	325.7	620.0	322.5	831.2	416.7	992.9	510.5	1210.2	658.6	5863.3
Hydro Rural Interconnected	90.5	48.7	86.4	42.7	81.3	41.4	73.4	36.2	68.8	34.9	64.4	31.1	59.9	30.2	56.6	28.5	59.7	26.1	63.4	30.6	72.4	35.4	90.5	45.5	431.3
Industrial																									
Power on Order	129.5	84.1	129.5	75.9	129.5	84.2	129.5	81.5	129.5	84.2	129.5	81.5	129.5	84.2	129.5	84.2	129.5	81.5	129.5	84.2	129.5	81.5	129.5	84.2	991.2
Interruptible	<u>0.5</u>	<u>0.1</u>	<u>0.5</u>	<u>0.1</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.2</u>
Total NLH Sales	130.0	84.2	130.0	76.0	129.5	84.2	129.5	81.5	129.5	84.2	129.5	81.5	129.5	84.2	129.5	84.2	129.5	81.5	129.5	84.2	129.5	81.5	129.5	84.2	991.4
TOTAL NLH SALES	1500.7	856.9	1440.9	770.4	1332.4	777.1	1136.6	618.5	1003.2	540.8	904.2	469.9	764.7	436.7	748.1	438.4	787.8	430.1	1001.2	531.5	1170.0	627.4	1402.8	788.3	7286.0
Losses	46.5	24.1	44.7	22.2	41.3	22.0	35.2	17.9	37.2	16.5	39.1	18.9	33.1	17.1	32.4	17.5	34.1	16.7	31.4	17.4	36.7	19.4	43.5	23.8	233.5
Required NLH Generation	1547.2	881.0	1485.6	792.6	1373.7	799.1	1171.8	636.4	1040.4	557.3	943.3	488.8	797.8	453.8	780.5	455.9	821.9	446.8	1032.6	548.9	1206.7	646.8	1446.3	812.1	7519.5

NOTES:

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