

Requests for Information

- 1 **Q. Provide the forecast and actual peak demand for Newfoundland Power’s system for**
2 **each month in the winter period in each year from 2004 to 2013 and the winter peak**
3 **forecast for each month for each year for 2014 to 2017.**
4
- 5 A. Attachment A provides the forecast and actual peak demand for Newfoundland Power’s
6 system for each month in the winter period from 2004 to 2013. Attachment A also
7 compares Newfoundland Power’s actual normalized peak to forecast for each winter
8 season for 2004 to 2013.
9
- 10 Attachment B provides a breakdown of Newfoundland Power’s forecast peaks for each
11 month for 2013 to 2018.

Actual and Forecast Peaks

Table 1
Comparison of Actual and Forecast Newfoundland Power System Peaks (MW)

	2004/2005	2005/2006	2006/2007	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014
Actual System Peak¹:										
December	1,167.3	1,055.9	1,142.3	1,118.7	1,179.9	1,118.9	1,061.1	1,229.3	1,159.9	1,336.0
January	1,124.0	1,130.9	1,136.1	1,180.7	1,218.6	1,165.5	1,138.3	1,240.9	1,267.6	NA
February	1,049.1	1,026.4	1,069.0	1,081.6	1,150.9	1,206.0	1,166.0	1,197.4	1,281.0	NA
March	933.8	1,003.6	1,050.6	1,060.5	NA	1,015.0	1,096.8	1,202.5	1,171.9	NA
Forecast System Peak²:										
December	1,145.9	1,186.2	1,175.8	1,190.2	1,205.7	1,232.5	1,253.0	1,282.8	1,307.2	1,264.8
January	1,199.3	1,221.3	1,203.5	1,219.8	1,234.6	1,262.7	1,282.9	1,306.8	1,330.8	1,347.8
February	1,178.0	1,208.1	1,197.5	1,212.1	1,227.9	1,255.2	1,276.1	1,295.2	1,319.8	1,303.5
March	1,080.0	1,103.2	1,093.5	1,106.9	1,121.4	1,146.3	1,165.3	1,189.6	1,212.2	1,203.9
Seasonal Peak:										
Actual Normalized	1,181.5	1,166.1	1,171.8	1,188.0	1,237.1	1,237.6	1,252.5	1,293.1	1,350.5	NA
Year Over Year Change		-1.3%	0.5%	1.4%	4.1%	0.0%	1.2%	3.2%	4.4%	NA
Forecast	1,199.3	1,221.3	1,203.5	1,219.8	1,234.6	1,262.7	1,282.9	1,306.8	1,330.8	1,347.8
Year Over Year Change		1.8%	-1.5%	1.4%	1.2%	2.3%	1.6%	1.9%	1.8%	1.3%
Variance	-17.8	-55.2	-31.7	-31.8	2.5	-25.1	-30.4	-13.7	19.7	NA
	-1.5%	-4.7%	-2.7%	-2.7%	0.2%	-2.0%	-2.4%	-1.1%	1.5%	NA

¹ Source: Power invoices from Newfoundland and Labrador Hydro.

² Taken from Energy and Demand forecast completed prior to the winter season.

Energy and Demand Forecast

**NEWFOUNDLAND POWER INC.
ENERGY & DEMAND MONTHLY BREAKDOWN
2013 - 2018**

MONTH	2013		2014		2015		2016		2017		2018	
	Purchased Energy (1) GWh	NP Native Peak (2) MW	Purchased Energy (1) GWh	NP Native Peak (2) MW	Purchased Energy (1) GWh	NP Native Peak (2) MW	Purchased Energy (1) GWh	NP Native Peak (2) MW	Purchased Energy (1) GWh	NP Native Peak (2) MW	Purchased Energy (1) GWh	NP Native Peak (2) MW
JAN.	694.8	1,350.50	704.3	1,347.79	709.1	1,365.16	715.5	1,374.37	723.7	1,388.49	724.0	1,393.13
FEB.	628.9	1,280.96	634.9	1,303.48	642.0	1,317.69	672.9	1,330.18	654.5	1,342.04	651.7	1,336.81
MAR.	629.2	1,191.81	636.0	1,203.93	640.0	1,211.58	645.9	1,222.13	649.6	1,228.95	651.5	1,232.45
APR.	479.0	1,000.03	488.1	1,017.79	490.9	1,023.65	496.8	1,034.82	501.8	1,044.40	500.8	1,042.81
MAY	402.1	852.78	410.2	868.29	416.5	876.98	419.5	886.68	420.6	889.02	421.7	891.35
JUNE	343.5	747.94	352.3	765.13	354.4	766.38	356.0	773.77	357.0	776.07	357.3	776.76
JULY	312.1	608.49	317.3	618.30	320.8	622.71	320.1	623.33	322.2	627.55	322.3	628.52
AUG.	315.2	595.11	320.5	604.87	323.7	608.60	327.8	618.07	327.6	617.26	325.7	614.90
SEPT.	315.6	634.84	318.5	640.89	324.9	649.59	323.5	650.78	322.5	648.19	322.5	649.96
OCT.	406.6	847.50	411.2	855.79	416.5	859.88	416.5	867.20	415.7	866.08	416.7	868.22
NOV.	493.6	1,043.10	498.6	1,053.16	503.7	1,059.56	508.9	1,073.83	507.1	1,070.47	510.5	1,077.39
DEC.	642.9	1,264.78	648.3	1,275.16	650.0	1,278.41	655.0	1,287.99	659.1	1,295.58	658.6	1,294.66
TOTAL	5,663.5		5,740.2		5,792.5		5,858.4		5,861.4		5,863.3	

NOTES:

1. Monthly Purchased Energy is based on the produced and purchased breakdown analysis less Newfoundland Power's monthly production. Purchased Energy for 2013 is based on two months weather normalized actuals and ten months forecast data.
2. The Monthly peaks for January of 2014 to 2018 are set equal to the forecast *winter seasonal peak* which can occur in either month during the December through March period. The monthly peak shown for January 2013 is Newfoundland Power's actual weather adjusted native peak for the 2012/2013 Winter season that occurred at 17:45 on February 9, 2013. The Monthly peaks for February to December of each year were derived by applying average historic monthly load factors to the monthly purchased energy. Average monthly load factors are based on 15 year historical weather normalized Produced and Purchased and actual monthly Newfoundland Power Native Peaks. Newfoundland Power's Native peaks for February 2013 is based on February 2013 actual weather normalized purchases and February's average historic load factor.