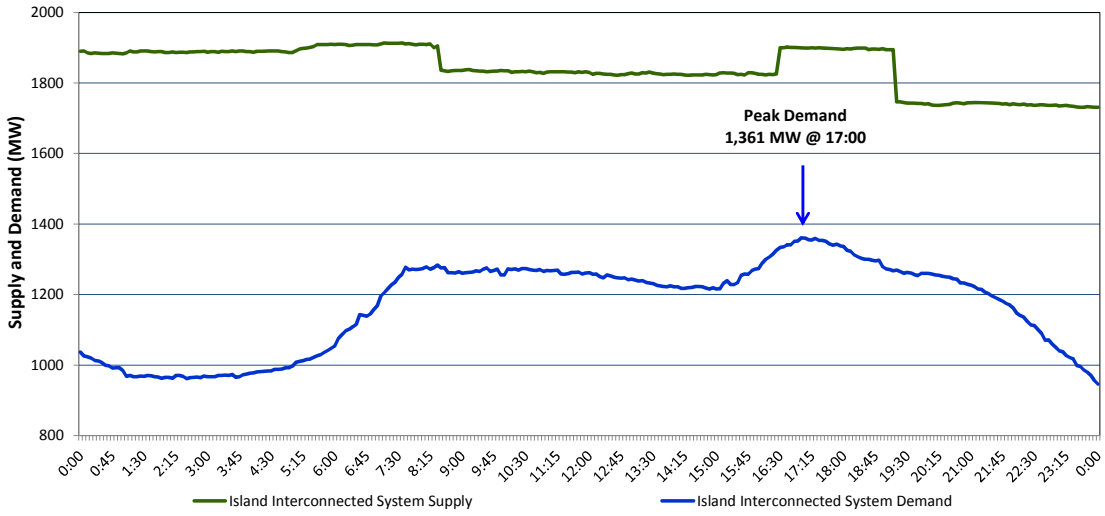
Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, December 12, 2014

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Thursday, December 11, 2014



Supply Notes for December 11, 2014[1,2]

A	As of 1000 hours, November 21, 2014, Nalcor Exploits Unit 4 unavailable due to a forced outage (30 MW). Net impact to system 4 MW (the excess water utilised by other Nalcor Grand Falls Units 5 to 8).
B	At 0816 hours, December 11, 2014, the Hinds Lake Unit was removed from service for maintenance. Unit returned to service at 1625 hours (75 MW).
C	At 1913 hours, December 11, 2014, Holyrood Unit 3 was removed from service for maintenance (150 MW).

Section 2
Island Interconnected Supply and Demand

Fri, Dec 12, 2014	Island System Outlook[3]		Seven-Day Forecast	Temperature (°C) Morning	Temperature (°C) Evening	Island System Daily Peak Demand (MW) Forecast	Island System Daily Peak Demand (MW) Adjusted[b]
Available Island System Supply:[5]	**1,880**	**MW**	Friday, December 12, 2014	7	7	**1,050**	**980**
NLH:[4]	1,660	MW	Saturday, December 13, 2014	7	8	1,075	1,000
Other Island Generation:	220	MW	Sunday, December 14, 2014	9	7	1,075	1,000
			Monday, December 15, 2014	7	5	1,310	1,235
Current St. John's Temperature:	6	°C	Tuesday, December 16, 2014	0	1	1,325	1,250
Current St. John's Windchill:	N/A	°C	Wednesday, December 17, 2014	1	1	1,360	1,285
7-Day Island Peak Demand Forecast:	**1,375**	MW	Thursday, December 18, 2014	2	3	1,375	1,300

Supply Notes for December 12, 2014[3]

D	At 0325 hours, December 12, 2014, Holyrood Unit 3 was returned to service (150 MW).

Notes:
1. Generation outages for running and corrective maintenance are included. These are not unusual for power system operations. They generally do not impact customer supply. The power system operators schedule outages to system equipment whenever possible to coincide with periods when customer demands are low and sufficient supply reserves are available. However, from time to time equipment outages are necessary and reserves may be impacted.
2. Due to the Island Interconnected System being isolated from the larger North American grid, when there is a sudden loss of large generating units some customer's load must be interrupted for short periods to bring generation output equal to customer demand. This automatic action of power system protection, referred to as underfrequency load shedding, is necessary to ensure the integrity and reliability of system equipment. Underfrequency events typically occur 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes.
3. As of 0800 Hours.
4. Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW). Includes NLH Power Purchases.
5. Gross output from all Island sources (including Note 4).
6. Adjusted for CBP&P interruptible load (when applicable) and the impact of voltage reduction.

Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak

Thu, Dec 11, 2014	Actual Island Peak Demand[7]	17:00	1,361 MW
Fri, Dec 12, 2014	Forecast Island Peak Demand		1,050 MW

Notes: 7. Island Demand is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).