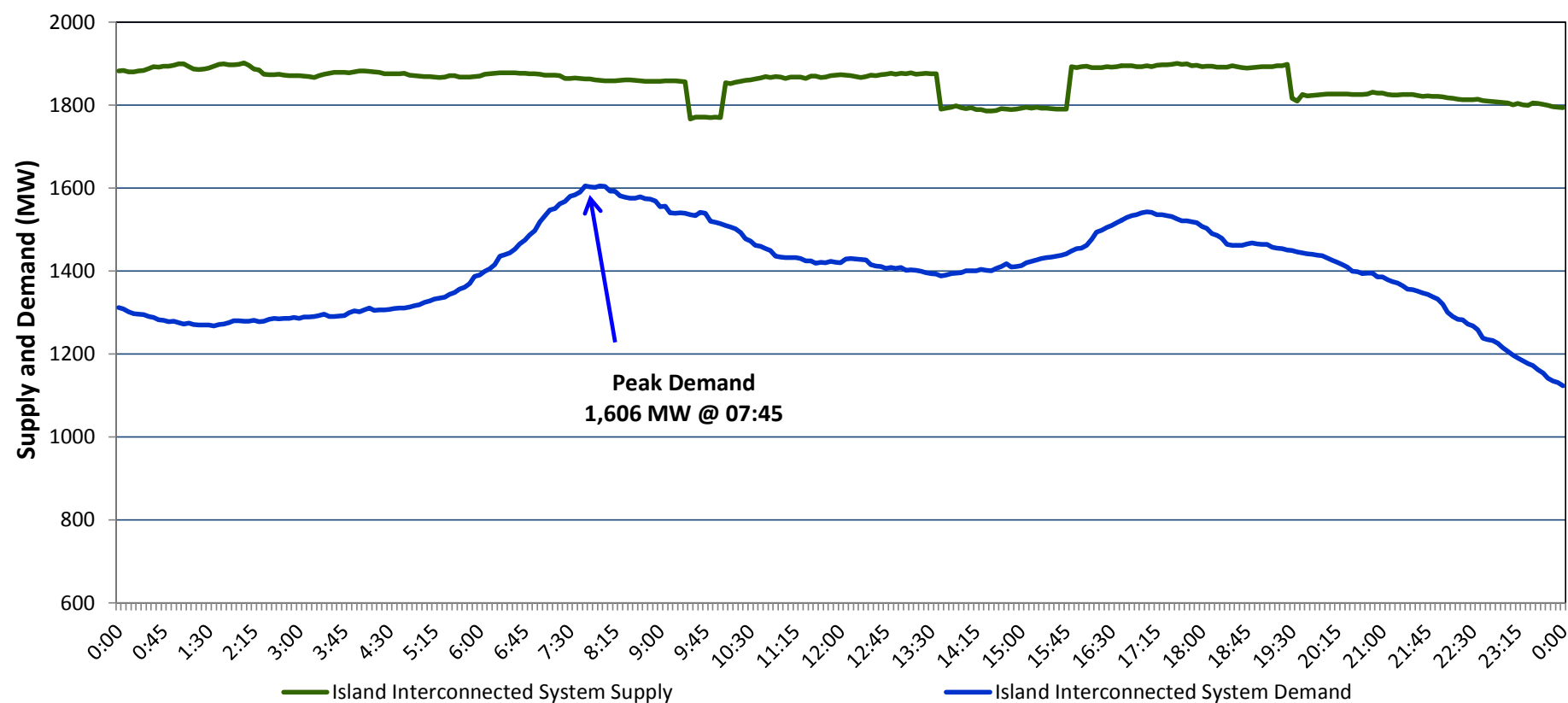


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Tuesday, January 13, 2015**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Monday, January 12, 2015**



Supply Notes for January 12, 2015^{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 As of 1315 hours, December 15, 2014, the Stephenville Gas Turbine End 'B' unavailable (25 MW).
- C As of 0730 hours, January 07, 2015, the Nalcor Grand Falls plant derating (ice conditions) has been updated to a 3 MW net impact loss to the system.
- D At 0930 hours, January 12, 2015, the Holyrood Unit 3 was derated to 65 MW (150 MW).
- E At 1020 hours, January 12, 2015, the Holyrood Unit 3 was returned to full capacity (150 MW).
- F At 1339 hours, January 12, 2015, the Holyrood Unit 3 was derated to 85 MW for maintenance (150 MW).
- G At 1545 hours, January 12, 2015, the Holyrood Unit 3 was returned to full capacity (150 MW).
- H At 1920 hours, January 12, 2015, the Holyrood Unit 3 was derated to 75 MW for maintenance (150 MW).

**Section 2
Island Interconnected Supply and Demand**

Tue, Jan 13, 2015	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted ⁶
Available Island System Supply: ³	1,895 MW	Tuesday, January 13, 2015	1	-11	1,575	1,475
NLH Generation: ⁴	1,545 MW	Wednesday, January 14, 2015	-12	-8	1,625	1,525
NLH Power Purchases:	135 MW	Thursday, January 15, 2015	-4	-1	1,500	1,400
Other Island Generation:	215 MW	Friday, January 16, 2015	-2	-2	1,410	1,315
Current St. John's Temperature:	-3 °C	Saturday, January 17, 2015	-1	-8	1,560	1,460
Current St. John's Windchill:	-10 °C	Sunday, January 18, 2015	-8	0	1,475	1,380
7-Day Island Peak Demand Forecast:	1,625 MW	Monday, January 19, 2015	2	2	1,325	1,230

Supply Notes for January 13, 2015³

- I At 0550 hours, January 13, 2015, the Holyrood Unit 3 was returned to full capacity (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).
 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**

Mon, Jan 12, 2015	Actual Island Peak Demand ⁷	07:45	1,606 MW
Tue, Jan 13, 2015	Forecast Island Peak Demand		1,575 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).