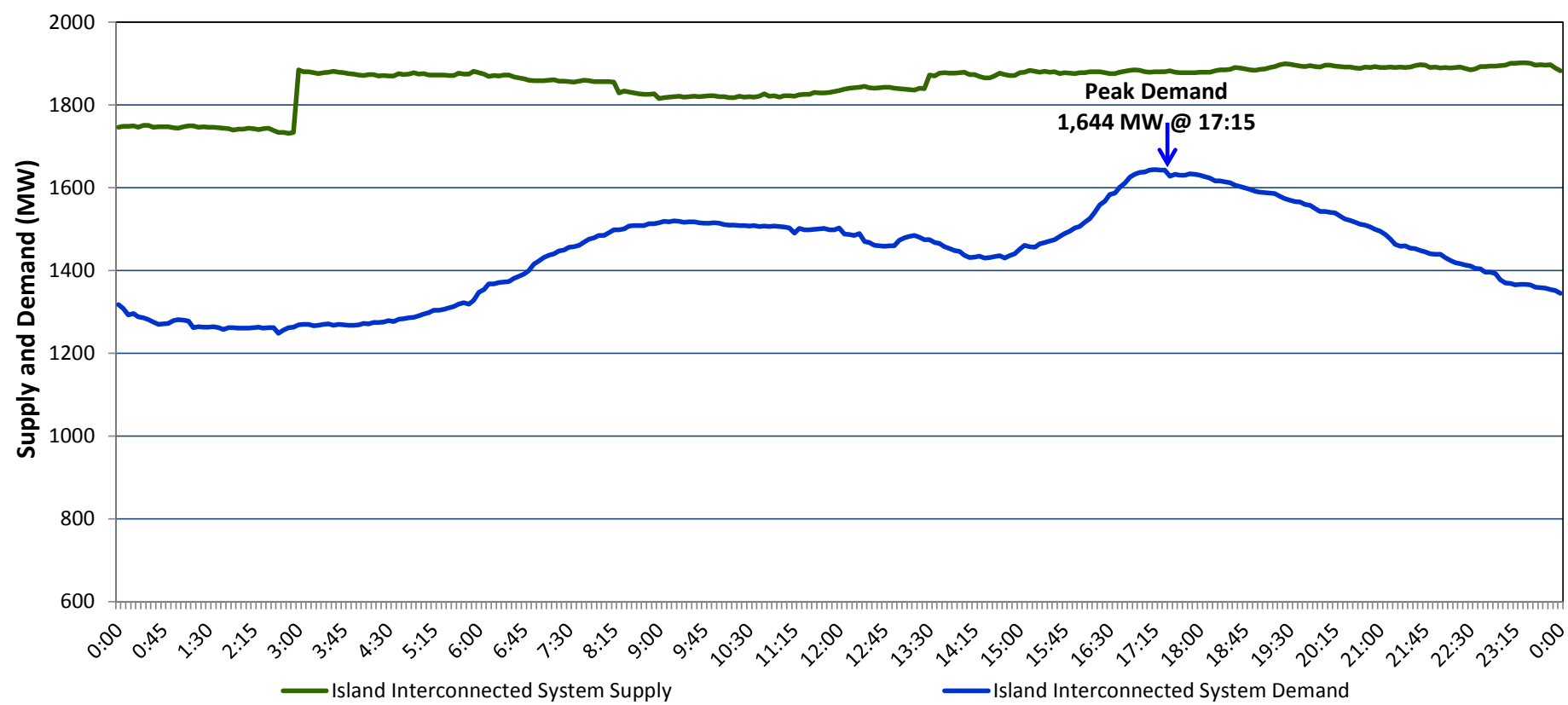


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Friday, January 02, 2015**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Wednesday, December 31, 2014**



**Supply Notes for December 31, 2014<sup>1,2</sup>**

- 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 At 0255 hours, December 31, 2014, Holyrood Unit 3 returned to service (150 MW).
- D At 0405 hours, December 31, 2014, Nalcor Bishop's Falls plant unavailable due to icing conditions (18 MW).
- E At 0816 hours, December 31, 2014, Hardwoods Gas Turbine End 'A' unavailable (25 MW).
- F At 1326 hours, December 31, 2014, Hardwoods Gas Turbine End 'A' returned to service (25 MW).
- G At 1434 hours, December 31, 2014, Nalcor Bishop's Falls plant restored to normal generation levels (18 MW).

**Section 2  
Island Interconnected Supply and Demand**

Thu, Jan 01, 2015	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted <sup>6</sup>
Available Island System Supply: <sup>5</sup>	<b>1,770 MW</b>	Thursday, January 01, 2015	-11	-5	<b>1,575</b>	<b>1,475</b>
NLH Generation: <sup>4</sup>	1,455 MW	Friday, January 02, 2015	-2	0	1,500	1,400
NLH Power Purchases:	100 MW	Saturday, January 03, 2015	-6	-9	1,625	1,525
Other Island Generation:	215 MW	Sunday, January 04, 2015	-12	-9	1,525	1,425
Current St. John's Temperature:	-12 °C	Monday, January 05, 2015	1	6	1,300	1,205
Current St. John's Windchill:	-17 °C	Tuesday, January 06, 2015	-3	-7	1,550	1,450
7-Day Island Peak Demand Forecast:	<b>1,625 MW</b>	Wednesday, January 07, 2015	-6	-4	1,525	1,425

**Supply Notes for January 01, 2015<sup>3</sup>**

- H At 0627 hours, January 01, 2015, Hardwoods Gas Turbine End 'B' unavailable (25 MW).
- I At 0715 hours, January 01, 2015, Holyrood Unit 3 derated from 150 MW to 84 MW (66 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**

Wed, Dec 31, 2014	Actual Island Peak Demand <sup>7</sup>	17:15	1,644 MW
Thu, Jan 01, 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).