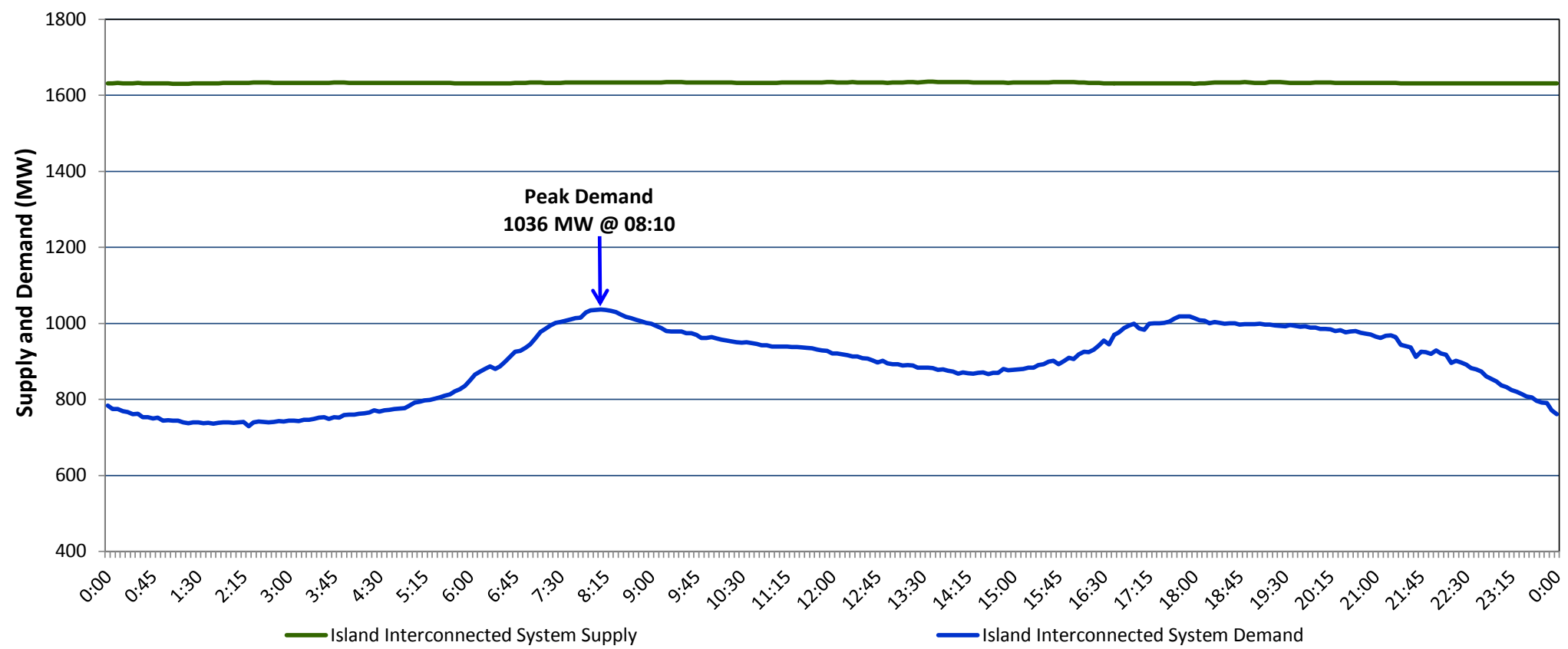


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, November 16, 2016**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Tuesday, November 15, 2016**



Supply Notes For November 15, 2016

- A As of 1956 hours, January 14, 2016, Nalcor Exploits Grand Falls Unit 7 unavailable. No net impact to the Island Interconnected System.
- B As of 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).
- C As of 1316 hours, July 15, 2016, Nalcor Exploits Grand Falls Unit 4 unavailable. Net impact to the Island Interconnected System is 7 MW.
- D As of 1719 hours, September 09, 2016, Nalcor Exploits Bishop's Falls plant unit 9 unavailable. No net impact to the Island Interconnected System.
- E As of 0717 hours, September 14, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).
- F As of 0717 hours, September 14, 2016, Bay d'Espoir Unit 2 unavailable (76.5 MW).
- G As of 2132 hours, October 10, 2016, Nalcor Exploits Bishop's Falls plant units 4,5,6 and 8 unavailable. Net impact to the Island Interconnected System is 9 MW.
- H As of 2116 hours, October 26, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW).
- I As of 0800 hours, November 03, 2016, Holyrood Combustion Turbine unavailable (123.5 MW).
- J As of 1007 hours, November 04, 2016, Nalcor Exploits Bishop's Falls plant unit 2 unavailable. Net impact to the Island Interconnected System is 2 MW.
- K As of 1245 hours, November 13, 2016, Star Lake Unit unavailable (18 MW).

**Section 2
Island Interconnected Supply and Demand**

Wed, Nov 16, 2016	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted ⁷
Available Island System Supply: ⁵	1,660 MW	Wednesday, November 16, 2016	5	7	1,155	1,142
NLH Generation: ⁴	1,380 MW	Thursday, November 17, 2016	13	14	1,020	1,008
NLH Power Purchases: ⁶	85 MW	Friday, November 18, 2016	10	7	975	964
Other Island Generation:	195 MW	Saturday, November 19, 2016	2	3	1,180	1,166
Current St. John's Temperature:	6 °C	Sunday, November 20, 2016	8	9	1,110	1,097
Current St. John's Windchill:	N/A °C	Monday, November 21, 2016	10	11	1,060	1,048
7-Day Island Peak Demand Forecast:	1,180 MW	Tuesday, November 22, 2016	11	7	1,085	1,072

Supply Notes For November 16, 2016

- 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 under frequency load shedding, is necessary to ensure the integrity and reliability of system equipment. Under frequency 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. NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.
 7. Adjusted for CBP&P interruptible load and the impact of voltage reduction, when applicable.

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

Tue, Nov 15, 2016	Actual Island Peak Demand ⁸	08:10	1,036 MW
Wed, Nov 16, 2016	Forecast Island Peak Demand		1,155 MW

- Notes: 8. 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).