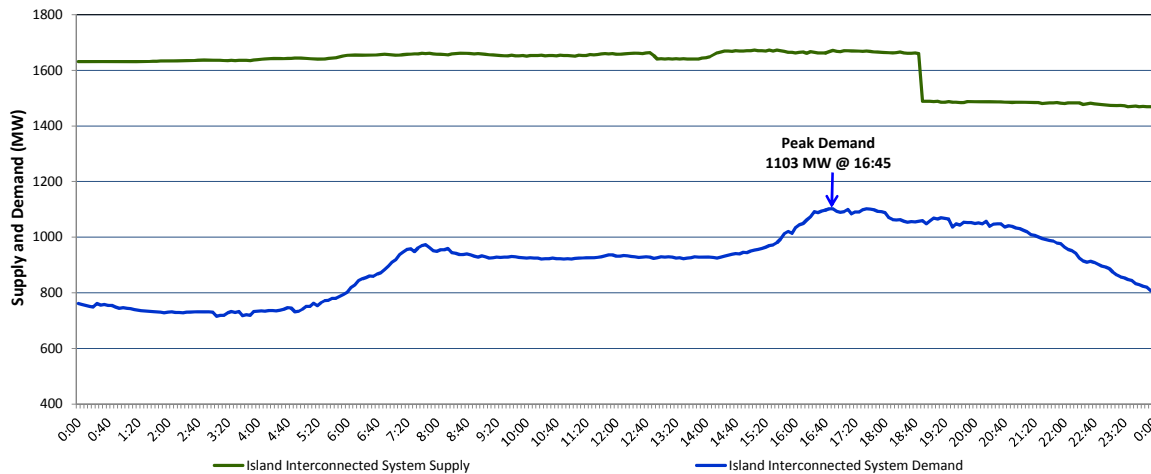


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, November 17, 2016**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Wednesday, November 16, 2016**



Supply Notes For November 16, 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).
- L **At 1850 hours, November 16, 2016, Holyrood Unit 2 unavailable (170 MW).**

**Section 2
Island Interconnected Supply and Demand**

Thu, Nov 17, 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	1,470	MW	Thursday, November 17, 2016	13	15	1,035	1,023
NLH Generation: ⁴	1,210	MW	Friday, November 18, 2016	12	12	1,000	988
NLH Power Purchases: ⁶	65	MW	Saturday, November 19, 2016	7	5	1,205	1,191
Other Island Generation:	195	MW	Sunday, November 20, 2016	9	10	1,020	1,008
Current St. John's Temperature:	15	°C	Monday, November 21, 2016	9	11	1,020	1,008
Current St. John's Windchill:	N/A	°C	Tuesday, November 22, 2016	10	10	1,070	1,058
7-Day Island Peak Demand Forecast:	1,205	MW	Wednesday, November 23, 2016	4	5	1,200	1,186

Supply Notes For November 17, 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**

Wed, Nov 16, 2016	Actual Island Peak Demand ⁸	16:45	1,103 MW
Thu, Nov 17, 2016	Forecast Island Peak Demand		1,035 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).