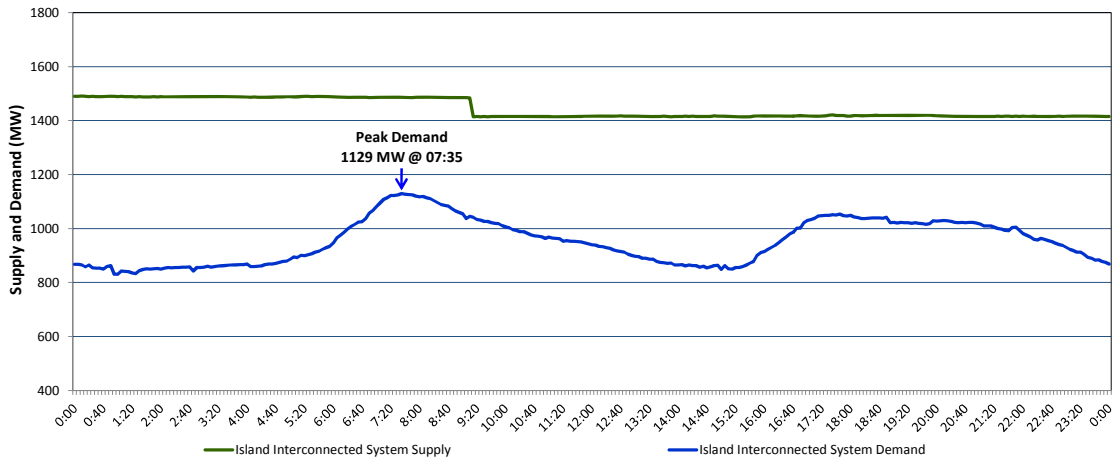


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, November 09, 2016**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Tuesday, November 08, 2016**



Supply Notes For November 08, 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 units 7 and 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 1032 hours, October 31, 2016, Hinds Lake Unit unavailable (75 MW).
- J As of 0800 hours, November 03, 2016, Holyrood Combustion Turbine unavailable (123.5 MW).
- K 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.
- L **At 0820 hours, November 08, 2016, Hawkes Bay Unit 547 (G1) unavailable (2.5 MW).**
- M **At 0917 hours, November 08, 2016, Holyrood Unit 2 unavailable. Previously derated to 70 MW (170 MW).**
- N At 1104 hours, November 08, 2016, Hawkes Bay Unit 547 (G1) available (2.5 MW).
- O **At 1800 hours, November 08, 2016, Nalcor Exploits Bishop's Falls plant unit 3 available. Net gain to the Island Interconnected System is 2 MW.**

**Section 2
Island Interconnected Supply and Demand**

Wed, Nov 09, 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	1,410	MW	Wednesday, November 09, 2016		3	6	1,135	1,122
NLH Generation: ⁴	1,135	MW	Thursday, November 10, 2016		6	7	1,140	1,127
NLH Power Purchases: ⁶	90	MW	Friday, November 11, 2016		5	8	1,095	1,082
Other Island Generation:	185	MW	Saturday, November 12, 2016		6	3	1,115	1,102
Current St. John's Temperature:	3	°C	Sunday, November 13, 2016		3	2	1,190	1,176
Current St. John's Windchill:	N/A	°C	Monday, November 14, 2016		3	5	1,140	1,127
7-Day Island Peak Demand Forecast:	1,190	MW	Tuesday, November 15, 2016		7	10	1,025	1,013

Supply Notes For November 09, 2016

- Notes:
- 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.
 - 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.
 - As of 0800 Hours.
 - Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
 - Gross output from all Island sources (including Note 4).
 - NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.
 - 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 08, 2016	Actual Island Peak Demand ⁸	07:35	1,129 MW
Wed, Nov 09, 2016	Forecast Island Peak Demand		1,135 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).