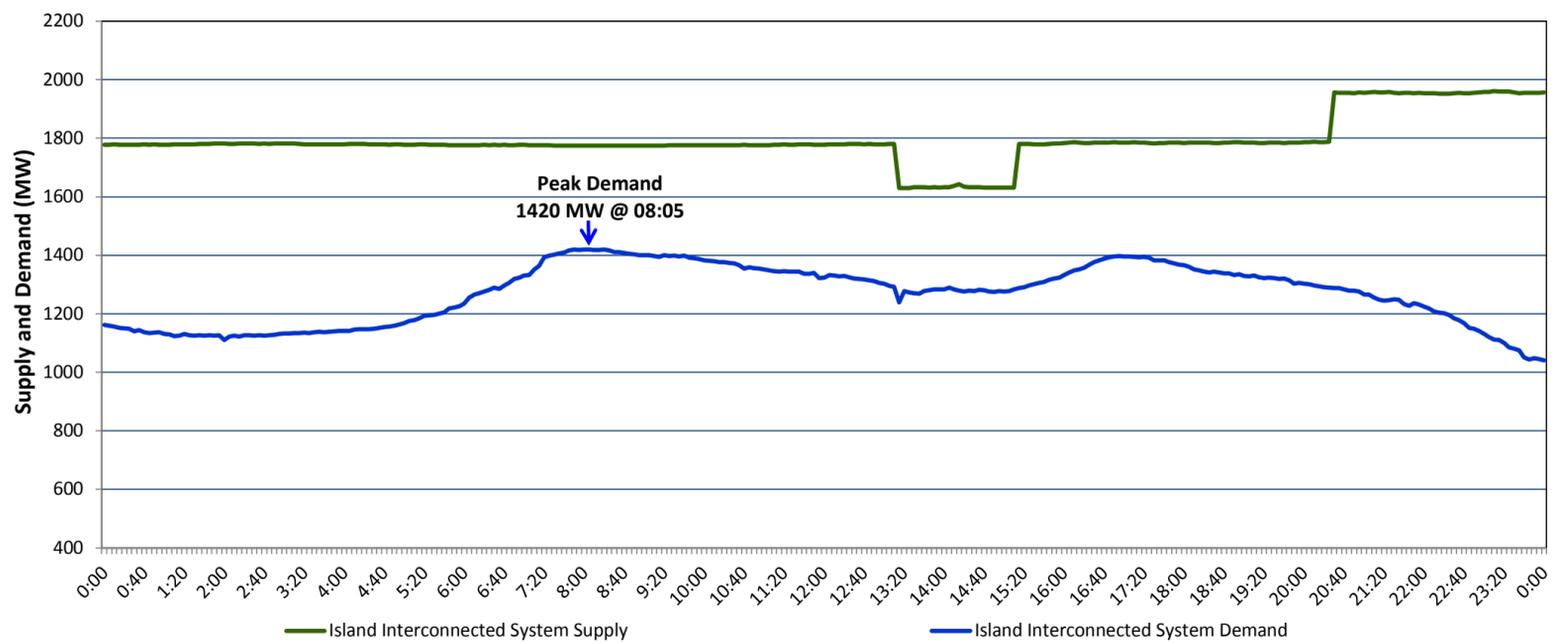


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Friday, December 09, 2016**

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



**Supply Notes For December 08, 2016**

- 1,2
- 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 2132 hours, October 10, 2016, Nalcor Exploits Bishop's Falls plant unit 8 unavailable. Net impact to the Island Interconnected System is 1 MW.
  - F 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.
  - G As of 0830 hours, December 07, 2016, Holyrood Unit 1 available to 148 MW. Previously available to 140 MW (170 MW).
  - H At 1105 hours, December 08, 2016, Nalcor Exploits Bishop's Falls Unit 6 available. Net gain to the Island Interconnected System is 2 MW.
  - I At 1310 hours, December 08, 2016, Holyrood Unit 3 unavailable (150 MW).
  - J At 1310 hours, December 08, 2016, Stephenville Gas Turbine End B unavailable (25 MW).
  - K At 1451 hours, December 08, 2016, Stephenville Gas Turbine End B available (25 MW).
  - L At 1513 hours, December 08, 2016, Holyrood Unit 3 available (150 MW).
  - M At 2027 hours, December 08, 2016, Holyrood Unit 2 available (170 MW).

**Section 2  
Island Interconnected Supply and Demand**

Fri, Dec 09, 2016	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>	1,965 MW	Friday, December 09, 2016	2	0	1,380	1,284
NLH Generation: <sup>4</sup>	1,645 MW	Saturday, December 10, 2016	-1	-3	1,450	1,353
NLH Power Purchases: <sup>6</sup>	130 MW	Sunday, December 11, 2016	-7	-6	1,530	1,432
Other Island Generation:	190 MW	Monday, December 12, 2016	-8	-7	1,570	1,472
Current St. John's Temperature:	0 °C	Tuesday, December 13, 2016	-8	-5	1,480	1,383
Current St. John's Windchill:	-7 °C	Wednesday, December 14, 2016	-7	-6	1,505	1,407
7-Day Island Peak Demand Forecast:	1,570 MW	Thursday, December 15, 2016	2	5	1,320	1,225

**Supply Notes For December 09, 2016**

- 3
- 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**

Thu, Dec 08, 2016	Actual Island Peak Demand <sup>8</sup>	08:05	1,420 MW
Fri, Dec 09, 2016	Forecast Island Peak Demand		1,380 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).