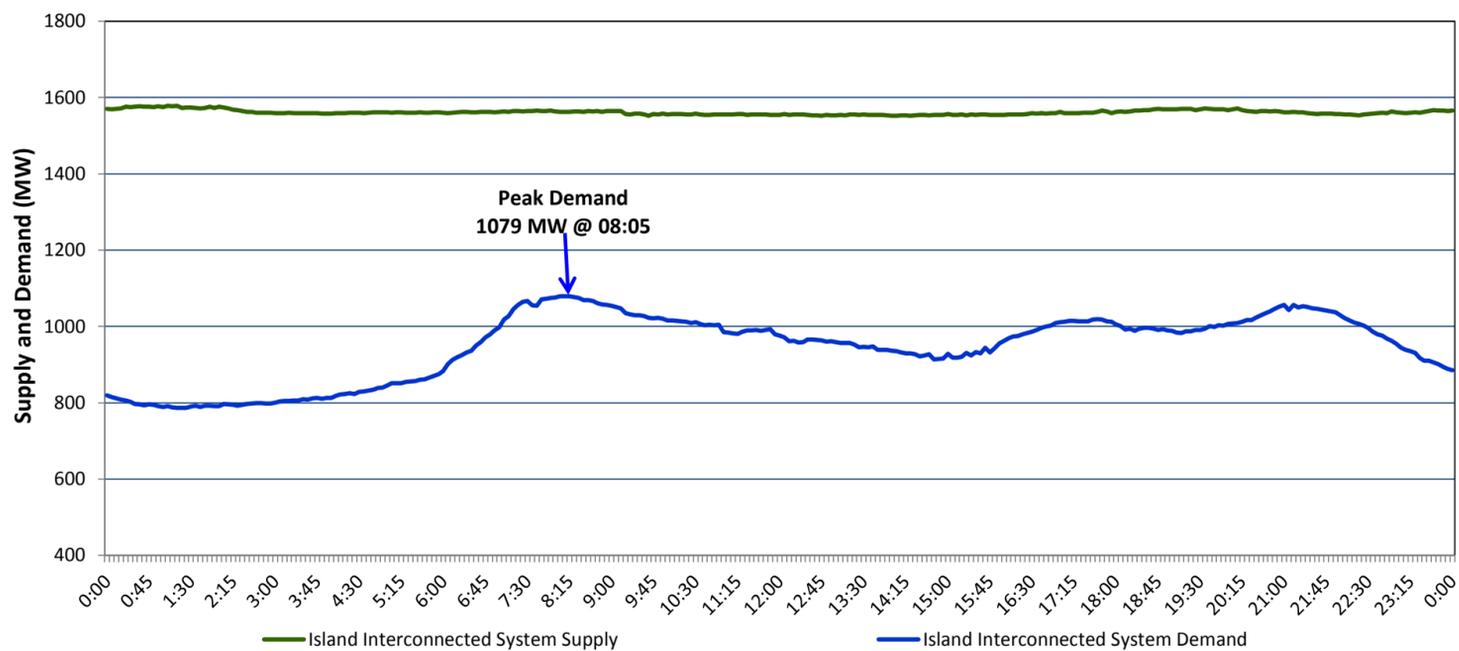


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Friday, May 13, 2016**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Thursday, May 12, 2016**



**Supply Notes For May 12, 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 0732 hours, February 29, 2016, Hardwoods Gas Turbine derated to 38 MW (50 MW). End A 19 MW, End B 25 MW.
  - C As of 1526 hours, March 26, 2016, Stephenville Gas Turbine End A unavailable (25 MW).
  - D As of 0848 hours, April 03, 2016, Bay d'Espoir Unit 1 unavailable (76.5 MW).
  - E As of 1029 hours, April 15, 2016, Holyrood Unit 3 unavailable (150 MW).
  - F As of 2209 hours, April 30, 2016, Holyrood Unit 1 derated to 120 MW (170 MW).
  - G As of 1200 hours, May 07, 2016, Holyrood Unit 2 derated to 120 MW (170 MW).
  - H As of 0937 hours, May 10, 2016, Bay d'Espoir Unit 6 unavailable (76.5 MW).
  - I **At 0937 hours, May 12, 2016, Hawke's Bay Diesel Plant unavailable (5 MW).**
  - J **At 0941 hours, May 12, 2016, Hawke's Bay Diesel Plant available (5 MW).**

**Section 2  
Island Interconnected Supply and Demand**

Fri, May 13, 2016	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: <sup>5</sup>	1,595 MW	Friday, May 13, 2016	2	4	1,160
NLH Generation: <sup>4</sup>	1,255 MW	Saturday, May 14, 2016	4	5	1,045
NLH Power Purchases: <sup>6</sup>	135 MW	Sunday, May 15, 2016	6	9	895
Other Island Generation:	205 MW	Monday, May 16, 2016	9	6	930
Current St. John's Temperature:	0 °C	Tuesday, May 17, 2016	6	6	1,045
Current St. John's Windchill:	N/A °C	Wednesday, May 18, 2016	7	9	975
7-Day Island Peak Demand Forecast:	1,160 MW	Thursday, May 19, 2016	8	7	895

**Supply Notes For May 13, 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.

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

Thu, May 12, 2016	Actual Island Peak Demand <sup>8</sup>	08:05	1,079 MW
Fri, May 13, 2016	Forecast Island Peak Demand		1,160 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).