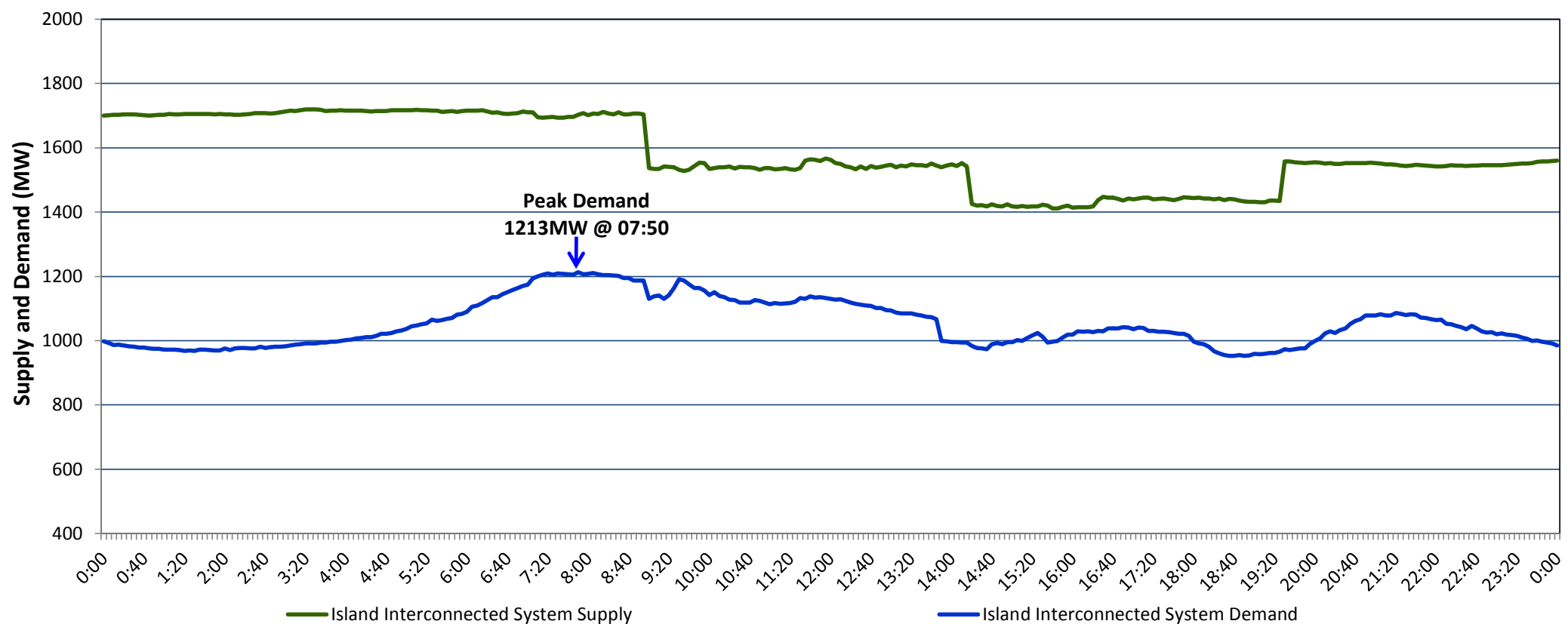


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Tuesday, May 02, 2017**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Monday, May 01, 2017**



**Supply Notes For May 01, 2017**

- 1,2
- A As of 1526 hours, April 03, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
  - B As of 1520 hours, April 19, 2017, Hawke's Bay Diesel Plant available at 2.5 MW (5 MW).
  - C As of 1155 hours, April 23, 2017, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
  - D As of 1616 hours, April 25, 2017, Holyrood Unit 3 unavailable due to planned outage 135 MW (150 MW).
  - E At 0700 hours, May 01, 2017, Holyrood Unit 1 available at 120 MW (170 MW).
  - F At 0855 hours, May 01, 2017, Holyrood Unit 2 unavailable 165 MW (170 MW).
  - G At 1348 hours, May 01, 2017, Holyrood Combustion Turbine unavailable (123.5 MW).
  - H At 1704 hours, May 01, 2017, Holyrood Unit 1 available at 125 MW (170 MW).
  - I At 1926 hours, May 01, 2017, Holyrood Combustion Turbine available (123.5 MW).

**Section 2  
Island Interconnected Supply and Demand**

Tue, May 02, 2017	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>	1,535 MW	Tuesday, May 02, 2017	-1	0	1,200
NLH Generation: <sup>4</sup>	1,225 MW	Wednesday, May 03, 2017	1	6	1,265
NLH Power Purchases: <sup>6</sup>	110 MW	Thursday, May 04, 2017	6	4	1,120
Other Island Generation:	200 MW	Friday, May 05, 2017	3	9	1,095
Current St. John's Temperature:	-1 °C	Saturday, May 06, 2017	6	6	975
Current St. John's Windchill:	-8 °C	Sunday, May 07, 2017	12	8	860
7-Day Island Peak Demand Forecast:	1,265 MW	Monday, May 08, 2017	3	4	1,120

**Supply Notes For May 02, 2017**

- 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.

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

Mon, May 01, 2017	Actual Island Peak Demand <sup>8</sup>	07:50	1,213 MW
Tue, May 02, 2017	Forecast Island Peak Demand		1,200 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).