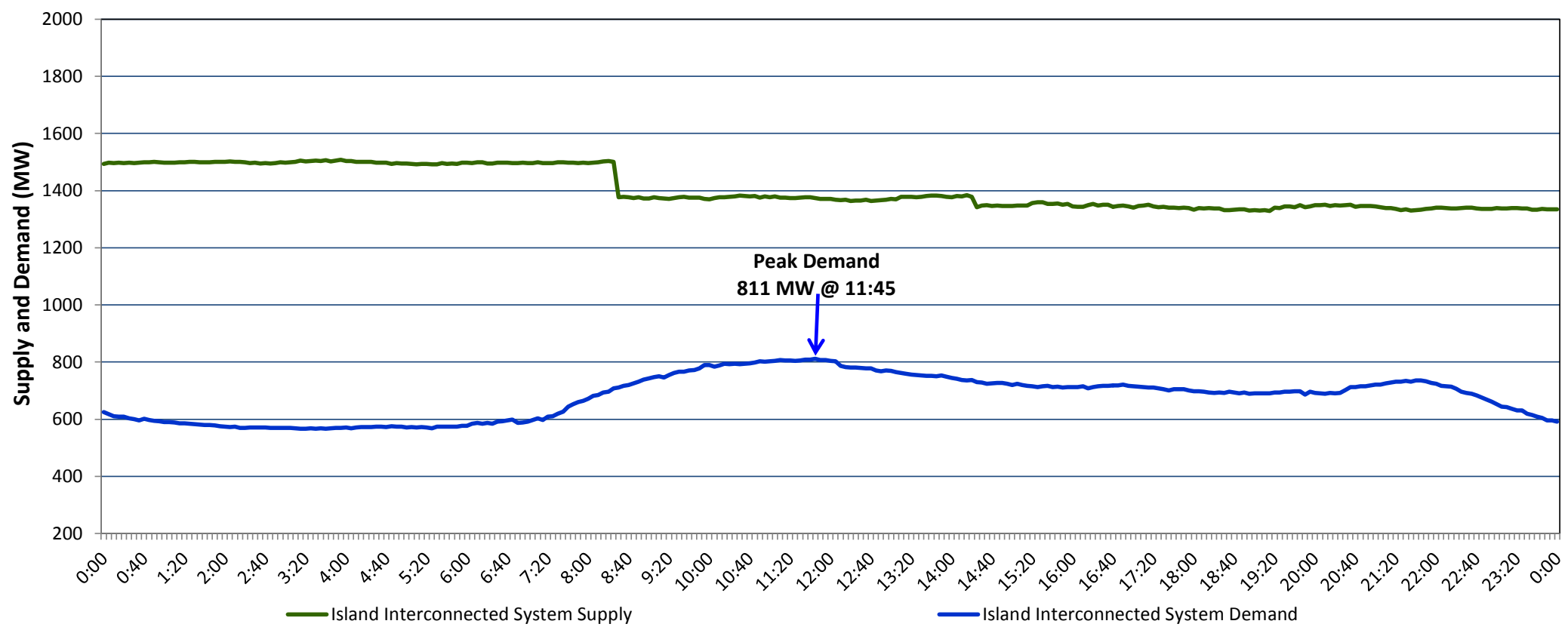


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, June 19, 2017**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Sunday, June 18, 2017**



**Supply Notes For June 18, 2017**

- 1,2
- A As of 2003 hours, May 03, 2017, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
  - B As of 1510 hours, May 07, 2017, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
  - C As of 1544 hours, May 19, 2017, Hawke's Bay Diesel Plant available at 2.5 MW (5 MW).
  - D As of 1147 hours, May 31, 2017, Holyrood Unit 3 unavailable due to planned outage 147 MW (150 MW).
  - E As of 1730 hours, May 31, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
  - F As of 0500 hours, June 17, 2017, Holyrood Unit 1 available at 120 MW but offline for economic dispatch (170 MW).
  - G As of 1344 hours, June 17, 2017, Holyrood Unit 2 available at 140 MW (170 MW).
  - H At 0830 hours, June 18, 2017, Holyrood Combustion Turbine unavailable due to planned outage (123.5 MW).
  - I At 1424 hours, June 18, 2017, Granite Canal Unit unavailable due to planned outage (40 MW).

**Section 2  
Island Interconnected Supply and Demand**

Mon, Jun 19, 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>	1,325 MW	Monday, June 19, 2017	16	17	795
NLH Generation: <sup>4</sup>	1,000 MW	Tuesday, June 20, 2017	17	19	785
NLH Power Purchases: <sup>6</sup>	120 MW	Wednesday, June 21, 2017	18	16	765
Other Island Generation:	205 MW	Thursday, June 22, 2017	15	14	760
Current St. John's Temperature:	14 °C	Friday, June 23, 2017	12	14	760
Current St. John's Windchill:	N/A °C	Saturday, June 24, 2017	14	14	745
7-Day Island Peak Demand Forecast:	795 MW	Sunday, June 25, 2017	17	18	745

**Supply Notes For June 19, 2017**

- 3
- 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**

Sun, Jun 18, 2017	Actual Island Peak Demand <sup>8</sup>	11:45	811 MW
Mon, Jun 19, 2017	Forecast Island Peak Demand		795 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).