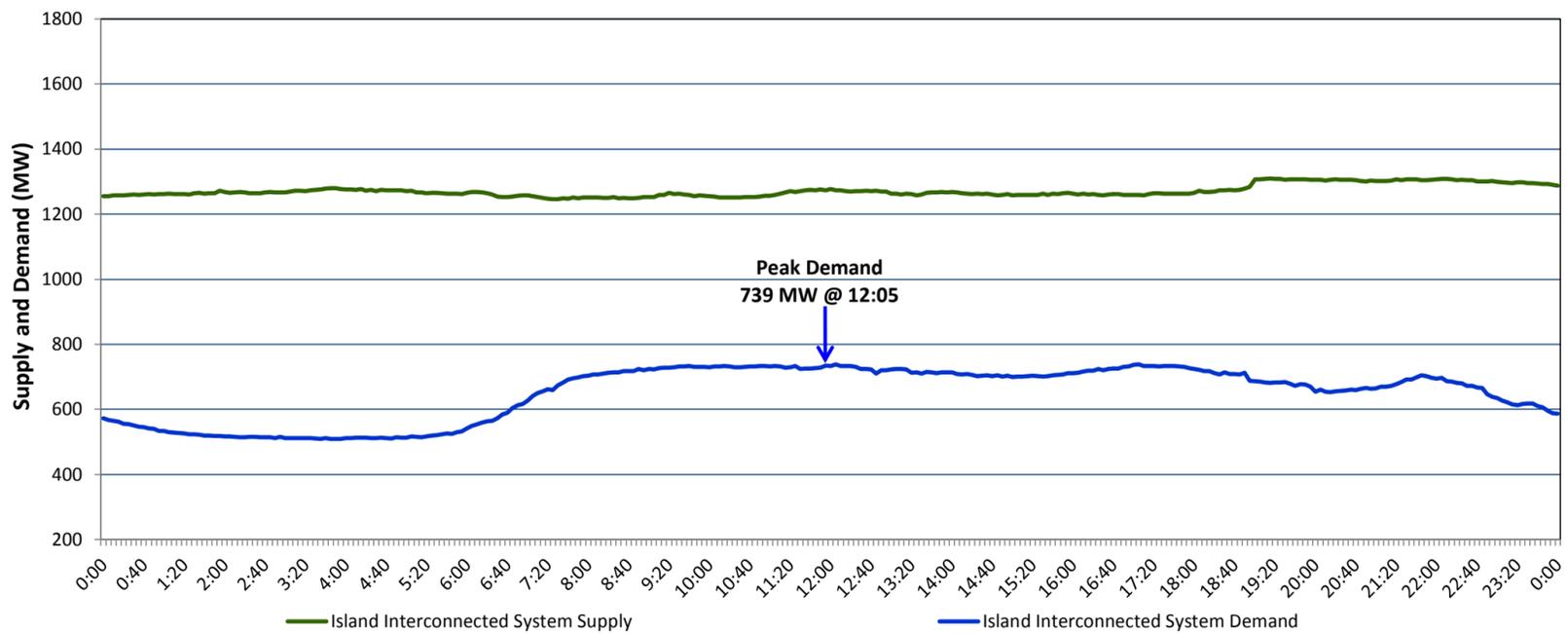


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Friday, June 23, 2017**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Thursday, June 22, 2017**



**Supply Notes For June 22, 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 0830 hours, June 18, 2017, Holyrood Combustion Turbine unavailable due to planned outage (123.5 MW).
  - F As of 1424 hours, June 18, 2017, Granite Canal Unit unavailable due to planned outage (40 MW).
  - G As of 2242 hours, June 20, 2017, Holyrood Unit 1 returned to service 120 MW (170 MW).
  - H As of 0120 hours, June 21, 2017, Holyrood Unit 2 removed from service for economic dispatch 140 MW (170 MW).
  - I At 1858 hours, June 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).

**Section 2  
Island Interconnected Supply and Demand**

Fri, Jun 23, 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>	1,440 MW	Friday, June 23, 2017	14	15	765
NLH Generation: <sup>4</sup>	1,150 MW	Saturday, June 24, 2017	14	13	770
NLH Power Purchases: <sup>6</sup>	100 MW	Sunday, June 25, 2017	16	18	740
Other Island Generation:	190 MW	Monday, June 26, 2017	15	17	775
Current St. John's Temperature:	11 °C	Tuesday, June 27, 2017	14	17	765
Current St. John's Windchill:	N/A °C	Wednesday, June 28, 2017	14	13	785
7-Day Island Peak Demand Forecast:	800 MW	Thursday, June 29, 2017	14	16	800

**Supply Notes For June 23, 2017**

- 3
- J At 0621 hours, June 23, 2017, Holyrood Unit 2 returned to service at full capacity (170 MW).

- 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**

Thu, Jun 22, 2017	Actual Island Peak Demand <sup>8</sup>	12:05	739 MW
Fri, Jun 23, 2017	Forecast Island Peak Demand		765 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).