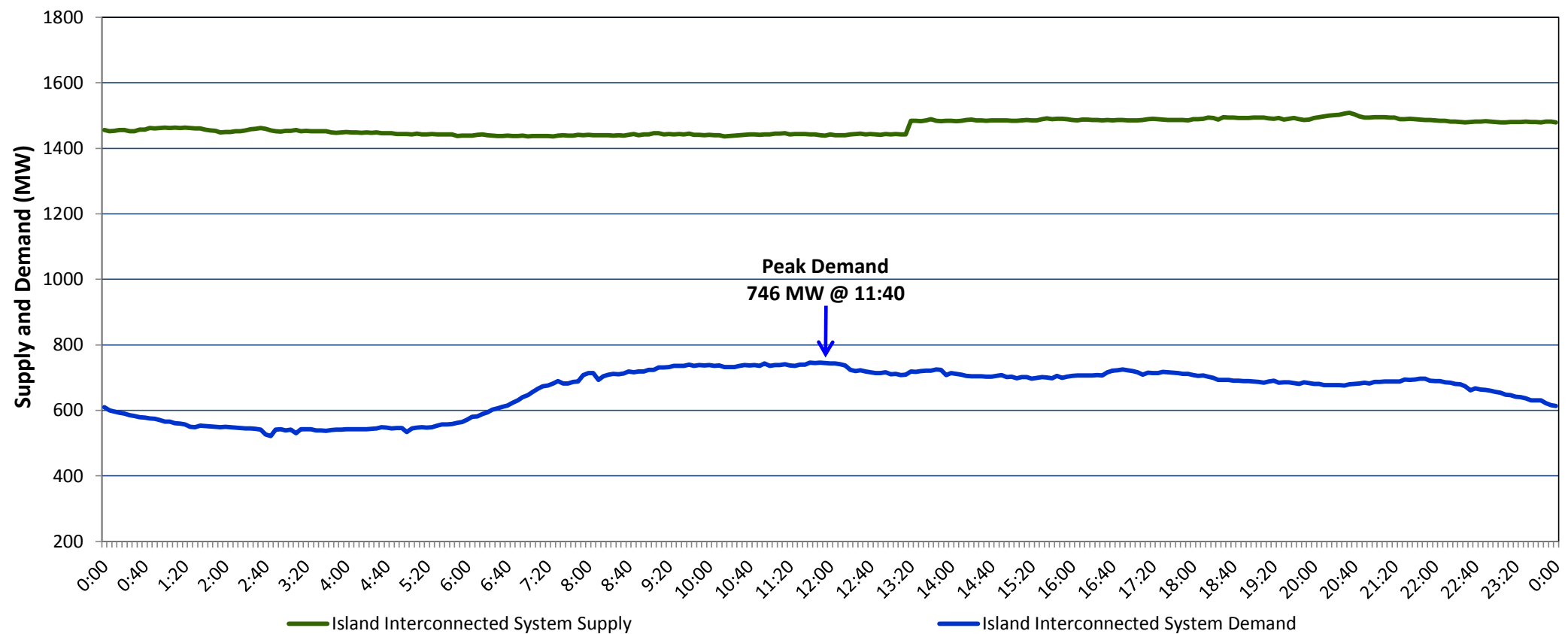


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Tuesday, July 04, 2017**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Friday, June 30, 2017**



**Supply Notes For June 30, 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 1544 hours, May 19, 2017, Hawke's Bay Diesel Plant available at 2.5 MW (5 MW).
- C As of 1147 hours, May 31, 2017, Holyrood Unit 3 unavailable due to planned outage 147 MW (150 MW).
- D As of 1858 hours, June 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- E As of 0938 hours, June 23, 2017, Holyrood Unit 1 unavailable due to planned outage 120 MW (170 MW).
- F As of 1635 hours, June 29, 2017, Holyrood Unit 2 available at 70 MW (170 MW).
- G At 1320 hours, June 30, 2017, Granite Canal Unit available (40 MW).

**Section 2  
Island Interconnected Supply and Demand**

Sat, Jul 01, 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>	1,490 MW	Saturday, July 01, 2017	11	7	860
NLH Generation: <sup>4</sup>	1,170 MW	Sunday, July 02, 2017	8	12	870
NLH Power Purchases: <sup>6</sup>	115 MW	Monday, July 03, 2017	18	18	770
Other Island Generation:	205 MW	Tuesday, July 04, 2017	16	11	775
Current St. John's Temperature:	12 °C	Wednesday, July 05, 2017	10	9	820
Current St. John's Windchill:	N/A °C	Thursday, July 06, 2017	9	15	820
7-Day Island Peak Demand Forecast:	870 MW	Friday, July 07, 2017	17	16	780

**Supply Notes For July 01, 2017**

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**

Fri, Jun 30, 2017	Actual Island Peak Demand <sup>8</sup>	11:40	746 MW
Sat, Jul 01, 2017	Forecast Island Peak Demand		860 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).