

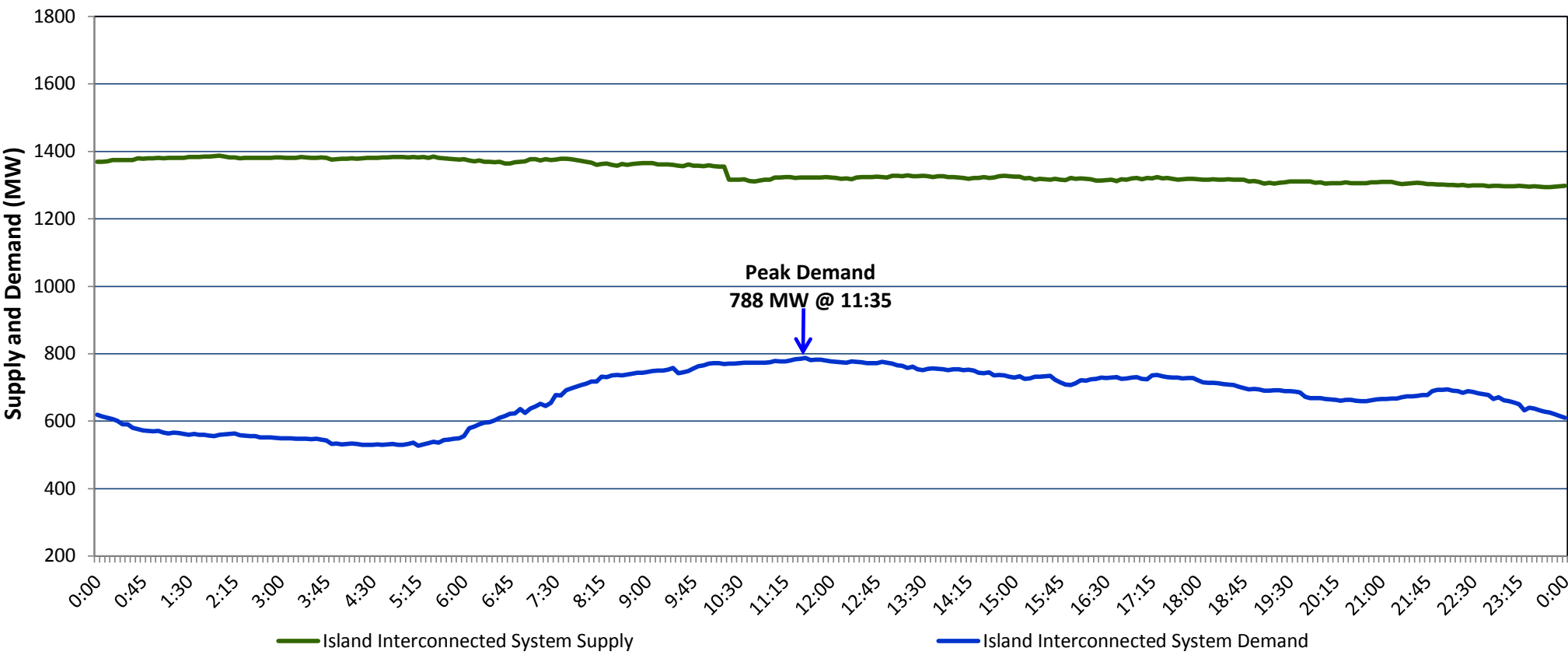
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Tuesday, July 11, 2017

Section 1

Island Interconnected System Supply and Demand

Actual 24 Hour System Performance For Friday, July 07, 2017



Supply Notes For July 07, 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 1147 hours, May 31, 2017, Holyrood Unit 3 unavailable due to planned outage 147 MW (150 MW).
- C

As of 1858 hours, June 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- D

As of 0938 hours, June 23, 2017, Holyrood Unit 1 unavailable due to planned outage 120 MW (170 MW).
- E

As of 1851 hours, July 02, 2017, Holyrood Unit 2 available at 165 MW (170 MW).
- F

As of 0604 hours, July 03, 2017, Bay d'Espoir Unit 2 unavailable due to planned outage (76. 5 MW).
- G

As of 1740 hours, July 03, 2017, Bay d'Espoir Unit 7 unavailable (154.4 MW).
- H

At 1018 hours, July 07, 2017, Granite Canal Unit unavailable due to planned outage (40 MW).

Section 2

Island Interconnected Supply and Demand

Sat, Jul 08, 2017	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
			Morning	Evening	
Available Island System Supply: ⁵	1,320 MW	Saturday, July 08, 2017	14	18	620
NLH Generation: ⁴	995 MW	Sunday, July 09, 2017	17	19	570
NLH Power Purchases: ⁶	120 MW	Monday, July 10, 2017	17	19	615
Other Island Generation:	205 MW	Tuesday, July 11, 2017	18	19	595
Current St. John's Temperature:	16 °C	Wednesday, July 12, 2017	18	18	590
Current St. John's Windchill:	N/A °C	Thursday, July 13, 2017	15	17	620
7-Day Island Peak Demand Forecast:	620 MW	Friday, July 14, 2017	16	15	n/a - see * note below

Supply Notes For July 08, 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, Jul 07, 2017	Actual Island Peak Demand ⁸	11:35	788 MW
Sat, Jul 08, 2017	Forecast Island Peak Demand		620 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).

* Load forecast data for these days are unavailable due to an issue with Hydro's load forecasting application. Hydro is investigating the issue.