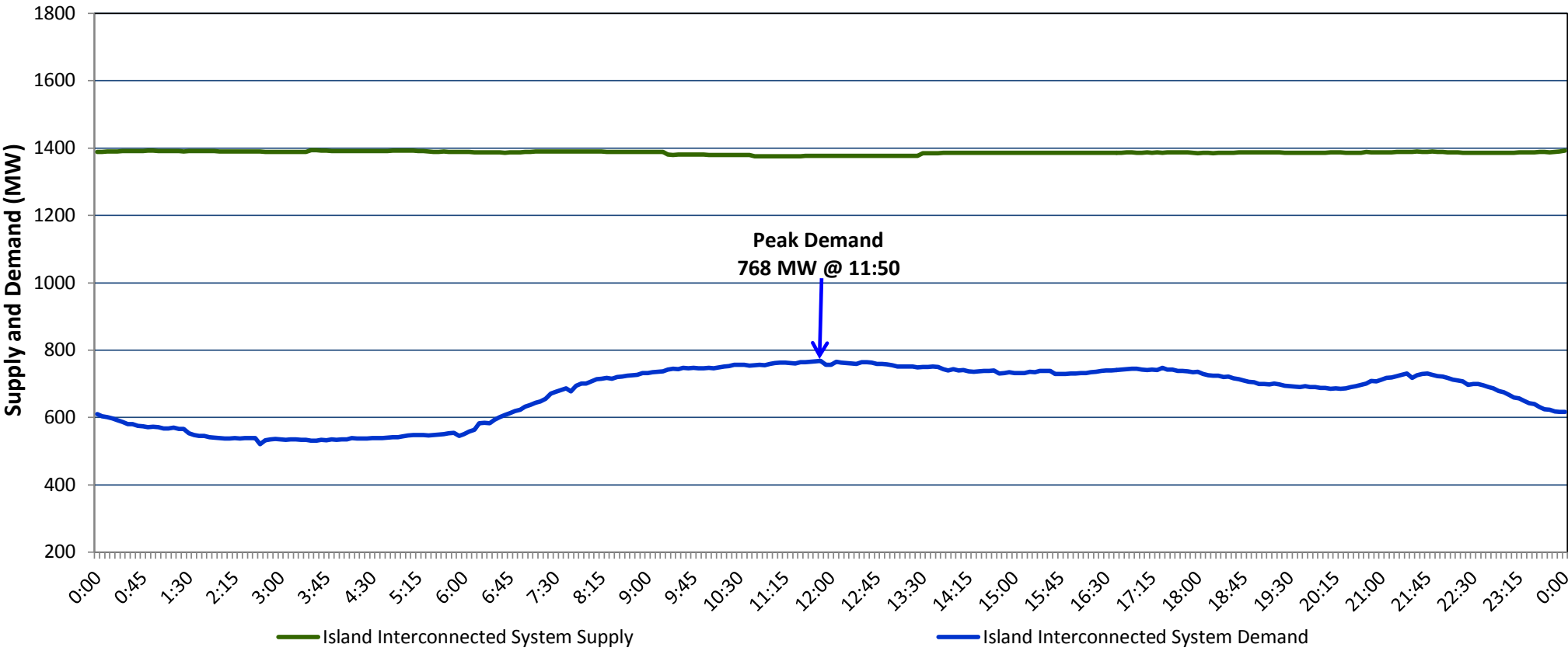


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, July 27, 2017

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Wednesday, July 26, 2017



Supply Notes For July 26, 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 1858 hours, June 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- C

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

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

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

As of 1018 hours, July 07, 2017, Granite Canal Unit unavailable due to planned outage (40 MW).
- G

As of 1314 hours, July 11, 2017, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
- H

As of 2000 hours, July 14, 2017, Holyrood Unit 3 available but offline for economic dispatch (150 MW).
- I

As of 1058 hours, July 23, 2017, Bay d'Espoir Unit 1 unavailable due to planned outage (76. 5 MW).
- J

At 0919 hours, July 26, 2017, Paradise River Unit unavailable due to planned outage (8 MW).
- K

At 1329 hours, July 26, 2017, Paradise River Unit available (8 MW).

Section 2
Island Interconnected Supply and Demand

Thu, Jul 27, 2017	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
			Morning	Evening	
Available Island System Supply: ⁵	1,375 MW	Thursday, July 27, 2017	17	20	775
NLH Generation: ⁴	1,070 MW	Friday, July 28, 2017	17	15	785
NLH Power Purchases: ⁶	110 MW	Saturday, July 29, 2017	14	17	760
Other Island Generation:	195 MW	Sunday, July 30, 2017	14	15	780
Current St. John's Temperature:	14 °C	Monday, July 31, 2017	14	14	785
Current St. John's Windchill:	N/A °C	Tuesday, August 01, 2017	13	14	785
7-Day Island Peak Demand Forecast:	810 MW	Wednesday, August 02, 2017	12	11	810

Supply Notes For July 27, 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

Wed, Jul 26, 2017	Actual Island Peak Demand ⁸	11:50	768 MW
Thu, Jul 27, 2017	Forecast Island Peak Demand		775 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).