

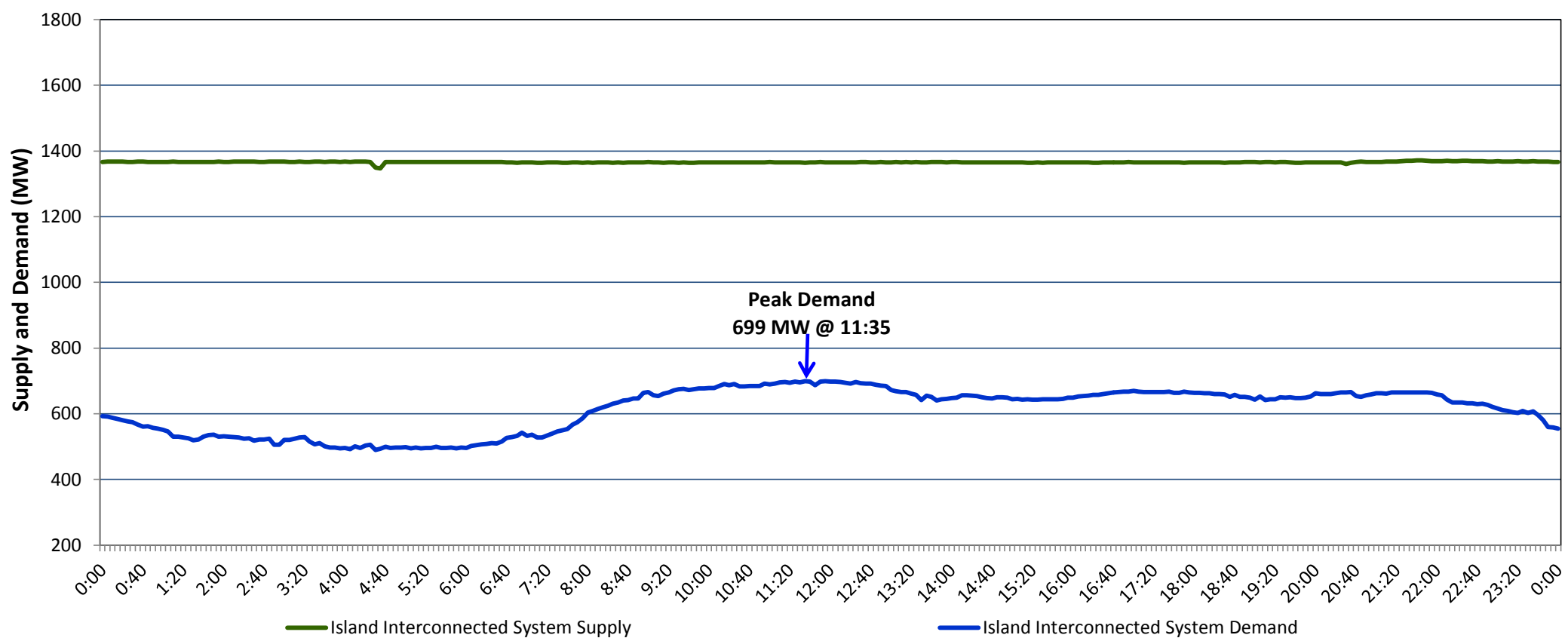
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Monday, August 07, 2017

Section 1

Island Interconnected System Supply and Demand

Actual 24 Hour System Performance For Saturday, August 05, 2017



Supply Notes For August 05, 2017

- 1,2
- A

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

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

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

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

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

As of 0827 hours, July 31, 2017, Holyrood Unit 2 unavailable due to planned outage 165 MW (170 MW).
- G

As of 0827 hours, July 31, 2017, Holyrood Unit 3 unavailable due to planned outage (150 MW).

Section 2

Island Interconnected Supply and Demand

Sun, Aug 06, 2017			Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
				Morning	Evening	
Available Island System Supply: ⁵			Sunday, August 06, 2017	16	15	755
NLH Generation: ⁴			Monday, August 07, 2017	15	16	830
NLH Power Purchases: ⁶			Tuesday, August 08, 2017	15	17	790
Other Island Generation:			Wednesday, August 09, 2017	14	16	800
Current St. John's Temperature:			Thursday, August 10, 2017	16	18	790
Current St. John's Windchill:			Friday, August 11, 2017	17	18	790
7-Day Island Peak Demand Forecast:			Saturday, August 12, 2017	16	16	775

Supply Notes For August 06, 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

Sat, Aug 05, 2017	Actual Island Peak Demand ⁸	11:35	699 MW
Sun, Aug 06, 2017	Forecast Island Peak Demand		755 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).