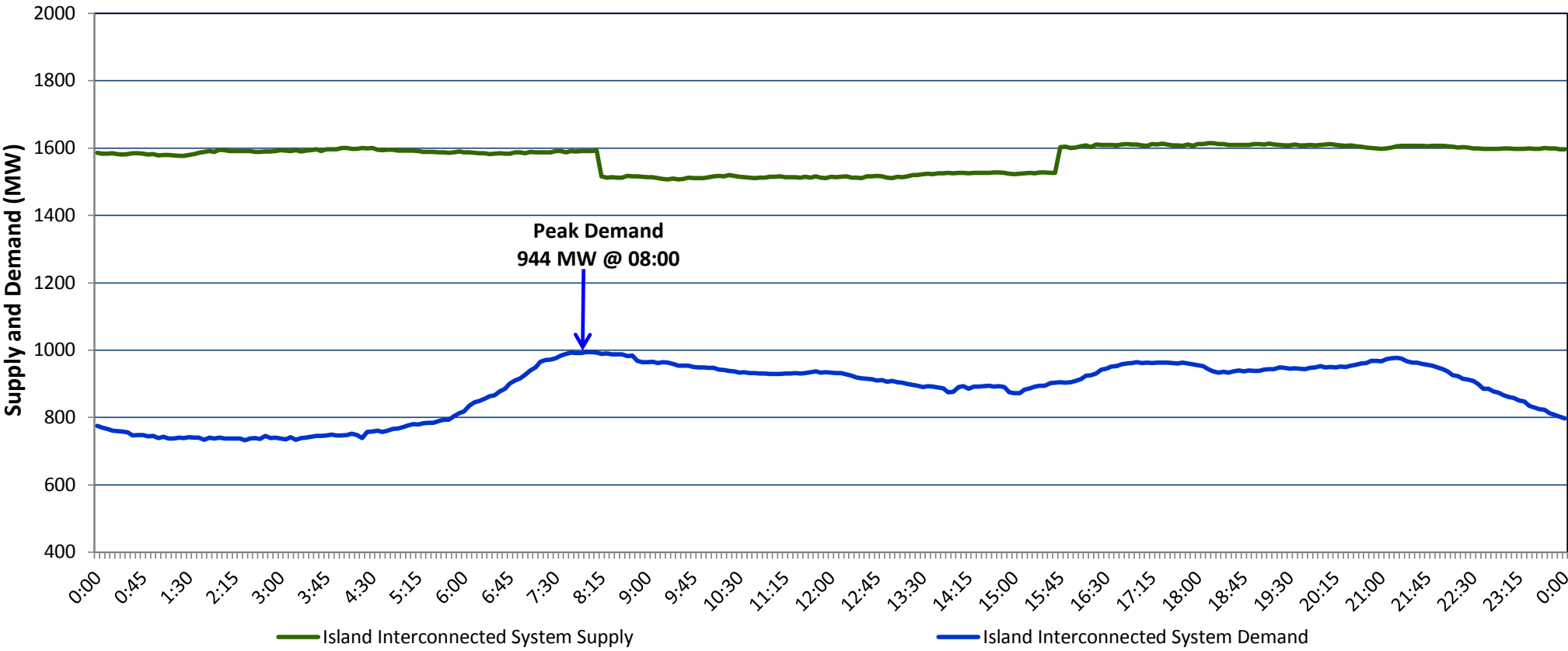


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, May 18, 2017

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Wednesday, May 17, 2017



Supply Notes For May 17, 2017

- 1,2
- A

As of 1520 hours, April 19, 2017, Hawke's Bay Diesel Plant available at 2.5 MW (5 MW).
- B

As of 0855 hours, May 01, 2017, Holyrood Unit 2 unavailable 165 MW (170 MW).
- C

As of 2003 hours, May 03, 2017, Bay d'Espoir Unit 3 unavailable due to planned outage (76. 5 MW).
- D

As of 0900 hours, May 04, 2017, Holyrood Unit 1 available at 120 MW (170 MW).
- E

As of 1510 hours, May 07, 2017, Bay d'Espoir Unit 4 unavailable due to planned outage (76. 5 MW).
- F

As of 0830 hours, May 09, 2017, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
- G

As of 0750 hours, May 10, 2017, Holyrood Unit 3 available at 147 MW (150 MW).
- H

As of 0751 hours, May 16, 2017, Hardwoods Gas Turbine available at 25 MW (50 MW).
- I

As of 1300 hours, May 16, 2017, St. Anthony Diesel Plant available at 7.7 MW (9.7 MW).
- J

At 0815 hours, May 17, 2017, Hinds Lake Unit unavailable due to planned outage (75 MW).
- K

At 1540 hours, May 17, 2017, Hinds Lake Unit available (75 MW).

Section 2
Island Interconnected Supply and Demand

Thu, May 18, 2017	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)
			Morning	Evening	
Available Island System Supply: ⁵	1,560 MW	Thursday, May 18, 2017	5	5	1,045
NLH Generation: ⁴	1,235 MW	Friday, May 19, 2017	8	7	975
NLH Power Purchases: ⁶	125 MW	Saturday, May 20, 2017	4	1	1,180
Other Island Generation:	200 MW	Sunday, May 21, 2017	1	3	1,175
Current St. John's Temperature:	5 °C	Monday, May 22, 2017	2	3	1,055
Current St. John's Windchill:	N/A °C	Tuesday, May 23, 2017	4	5	1,010
7-Day Island Peak Demand Forecast:	1,180 MW	Wednesday, May 24, 2017	3	2	1,070

Supply Notes For May 18, 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, May 17, 2017	Actual Island Peak Demand ⁸	08:00	994 MW
Thu, May 18, 2017	Forecast Island Peak Demand		1,045 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).