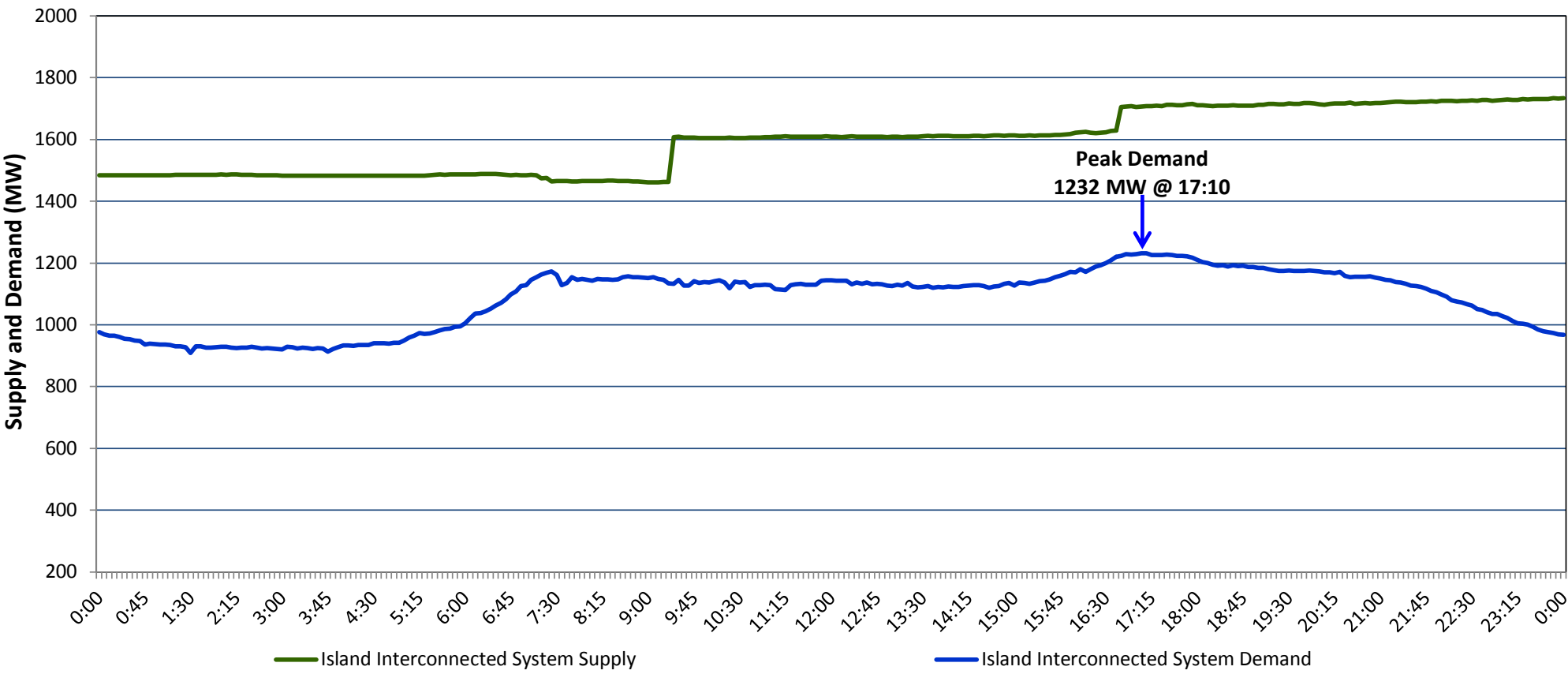


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, November 15, 2017

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Tuesday, November 14, 2017



Supply Notes For November 14, 2017

- 1,2
- A

As of 1510 hours, November 04, 2017, Bay d'Espoir Unit 1 unavailable (76.5 MW).
- B

As of 1510 hours, November 04, 2017, Bay d'Espoir Unit 2 unavailable (76.5 MW).
- C

As of 1800 hours, November 04, 2017, Holyrood Unit 2 available at 150 MW (170 MW).
- D

As of 0939 hours, November 08, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
- E

As of 0608 hours, November 13, 2017, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
- F

At 0710 hours, November 14, 2017, Holyrood Unit 3 available at 130 MW (150 MW).
- G

At 0923 hours, November 14, 2017, Holyrood Unit 1 available at 145 MW (170 MW).
- H

At 1644 hours, November 14, 2017, Bay d'Espoir Unit 3 available (76.5 MW).

Section 2
Island Interconnected Supply and Demand

Wed, Nov 15, 2017		Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
				Morning	Evening	Forecast	Adjusted ⁷
Available Island System Supply: ⁵		1,710 MW	Wednesday, November 15, 2017	2	3	1,260	1,165
NLH Generation: ⁴		1,400 MW	Thursday, November 16, 2017	2	3	1,270	1,175
NLH Power Purchases: ⁶		120 MW	Friday, November 17, 2017	3	3	1,220	1,126
Other Island Generation:		190 MW	Saturday, November 18, 2017	5	2	1,255	1,160
Current St. John's Temperature:		2 °C	Sunday, November 19, 2017	3	4	1,245	1,150
Current St. John's Windchill:		N/A °C	Monday, November 20, 2017	3	6	1,220	1,126
7-Day Island Peak Demand Forecast:		1,270 MW	Tuesday, November 21, 2017	4	3	1,235	1,141

Supply Notes For November 15, 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.
7.

Adjusted for CBP&P interruptible load and the impact of voltage reduction, when applicable.

Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak

Tue, Nov 14, 2017	Actual Island Peak Demand ⁸	17:10	1,232 MW
Wed, Nov 15, 2017	Forecast Island Peak Demand		1,260 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).