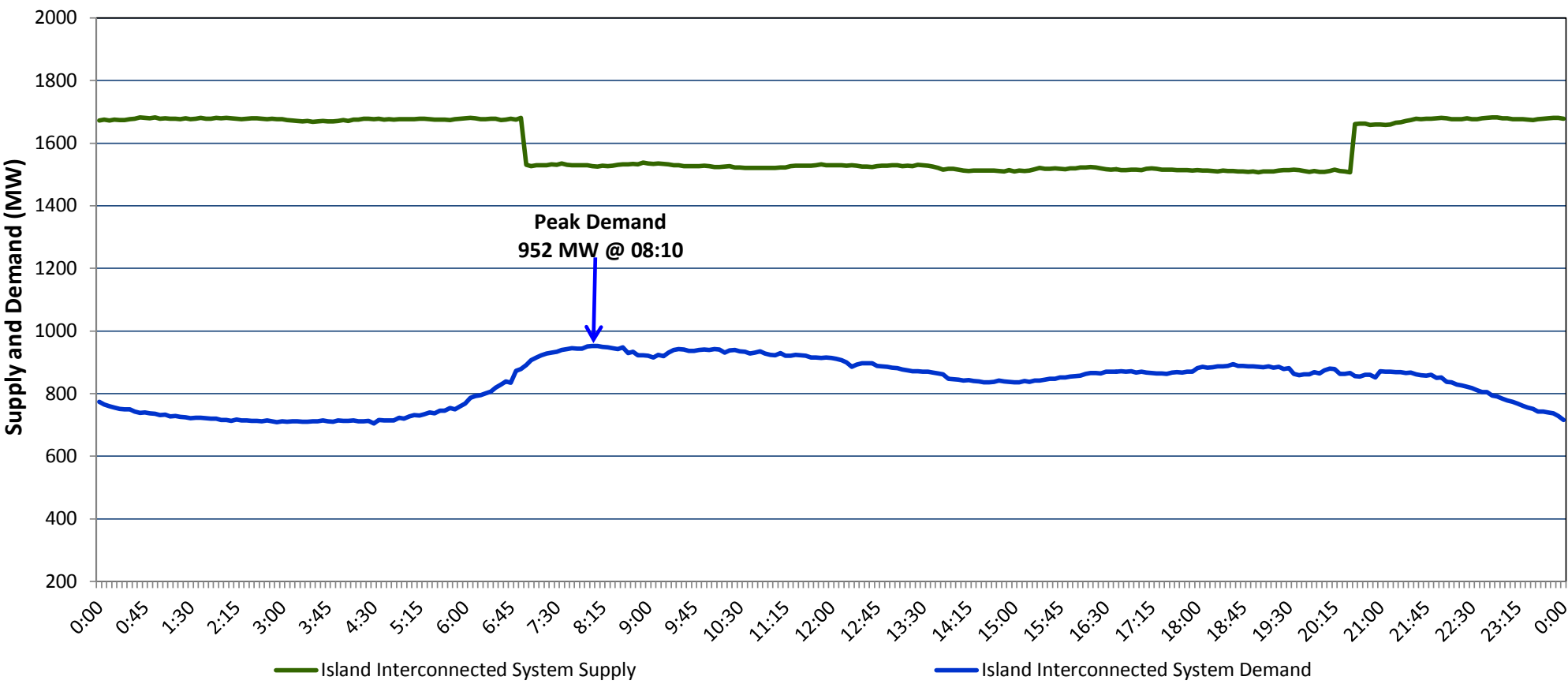


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Wednesday, November 01, 2017

Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Tuesday, October 31, 2017



Supply Notes For October 31, 2017

- 1,2
- A

As of 0814 hours, October 25, 2017, Holyrood Unit 1 available at 135 MW (170 MW).
- B

As of 0652 hours, October 30, 2017, Hinds Lake Unit unavailable due to planned outage (75 MW).
- C

As of 0658 hours, October 30, 2017, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
- D

As of 1634 hours, October 30, 2017, Holyrood Unit 2 unavailable 70 MW (170 MW).
- E

At 0656 hours, October 31, 2017, Bay d'Espoir Unit 5 unavailable due to planned outage (76.5 MW).
- F

At 0656 hours, October 31, 2017, Bay d'Espoir Unit 6 unavailable due to planned outage (76.5 MW).
- G

At 2031 hours, October 31, 2017, Bay d'Espoir Unit 5 available (76.5 MW).
- H

At 2031 hours, October 31, 2017, Bay d'Espoir Unit 6 available (76.5 MW).

Section 2
Island Interconnected Supply and Demand

Wed, Nov 01, 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	1,680	MW	Wednesday, November 01, 2017	10	8	940	849
NLH Generation: ⁴	1,365	MW	Thursday, November 02, 2017	4	3	1,055	963
NLH Power Purchases: ⁶	120	MW	Friday, November 03, 2017	4	6	1,120	1,027
Other Island Generation:	195	MW	Saturday, November 04, 2017	11	5	1,075	982
Current St. John's Temperature:	9	°C	Sunday, November 05, 2017	2	1	1,185	1,091
Current St. John's Windchill:	N/A	°C	Monday, November 06, 2017	2	5	1,190	1,096
7-Day Island Peak Demand Forecast:	1,190	MW	Tuesday, November 07, 2017	11	14	1,000	908

Supply Notes For November 01, 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, Oct 31, 2017	Actual Island Peak Demand ⁸	08:10	952	MW
Wed, Nov 01, 2017	Forecast Island Peak Demand		940	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).