

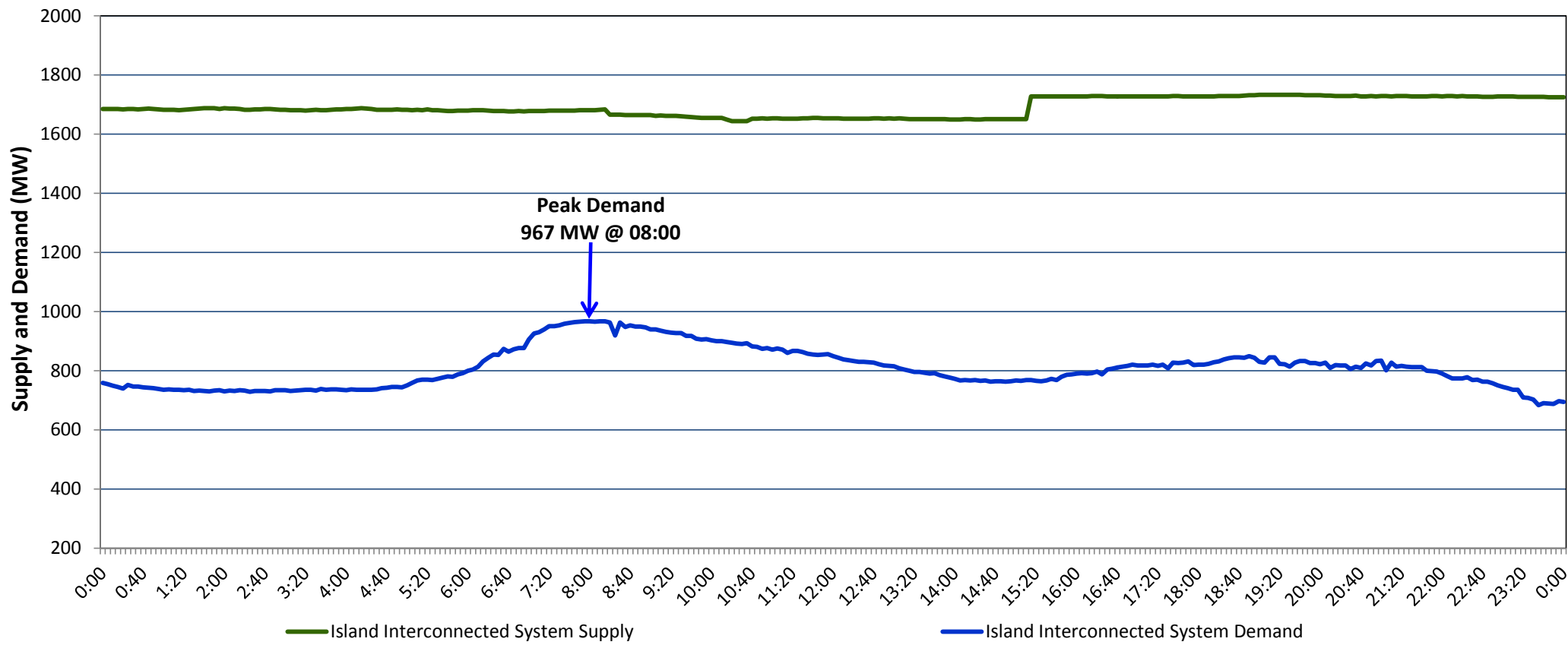
Newfoundland Labrador Hydro (NLH)

Supply and Demand Status Report Filed Thursday, October 26, 2017

Section 1

Island Interconnected System Supply and Demand

Actual 24 Hour System Performance For Wednesday, October 25, 2017



Supply Notes For October 25, 2017

- A
- As of 0827 hours, July 31, 2017, Holyrood Unit 2 unavailable due to planned outage 165 MW (170 MW).
- B
- As of 0658 hours, October 23, 2017, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
- C
- At 0814 hours, October 25, 2017, Holyrood Unit 1 available at 135 MW (170 MW).
- D
- At 1512 hours, October 25, 2017, Bay d'Espoir Unit 5 available (76.5 MW).

Section 2

Island Interconnected Supply and Demand

Thu, Oct 26, 2017	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: ⁵	1,710 MW	Thursday, October 26, 2017	8	6	925
NLH Generation: ⁴	1,440 MW	Friday, October 27, 2017	7	4	940
NLH Power Purchases: ⁶	85 MW	Saturday, October 28, 2017	5	6	995
Other Island Generation:	185 MW	Sunday, October 29, 2017	7	5	1,005
Current St. John's Temperature:	9 °C	Monday, October 30, 2017	6	5	1,020
Current St. John's Windchill:	N/A °C	Tuesday, October 31, 2017	7	7	990
7-Day Island Peak Demand Forecast:	1,020 MW	Wednesday, November 01, 2017	8	7	1,010

Supply Notes For October 26, 2017

- 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, Oct 25, 2017	Actual Island Peak Demand ⁸	08:00	967 MW
Thu, Oct 26, 2017	Forecast Island Peak Demand		925 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).