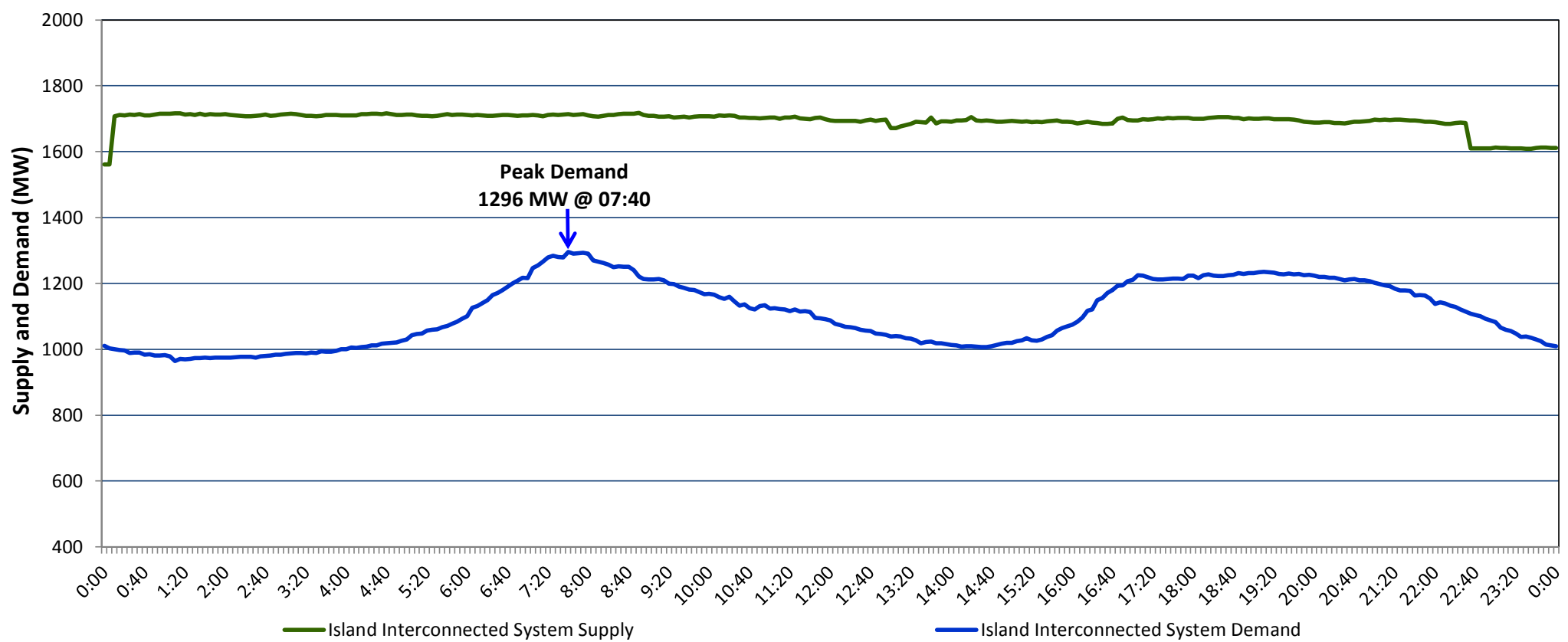


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, November 17, 2017**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Thursday, November 16, 2017**



Supply Notes For November 16, 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 As of 0710 hours, November 14, 2017, Holyrood Unit 3 available at 130 MW (150 MW).
 - G At 0012 hours, November 16, 2017, Holyrood Unit 1 available at 145 MW (170 MW).
 - H At 2232 hours, November 16, 2017, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).

**Section 2
Island Interconnected Supply and Demand**

Fri, Nov 17, 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	1,665 MW	Friday, November 17, 2017	1	4	1,265	1,170
NLH Generation: ⁴	1,400 MW	Saturday, November 18, 2017	4	4	1,145	1,052
NLH Power Purchases: ⁶	85 MW	Sunday, November 19, 2017	3	3	1,165	1,071
Other Island Generation:	180 MW	Monday, November 20, 2017	7	4	1,180	1,086
Current St. John's Temperature:	-1 °C	Tuesday, November 21, 2017	2	0	1,345	1,249
Current St. John's Windchill:	-6 °C	Wednesday, November 22, 2017	1	4	1,275	1,180
7-Day Island Peak Demand Forecast:	1,345 MW	Thursday, November 23, 2017	5	4	1,180	1,086

Supply Notes For November 17, 2017

- 3
- I At 0402 hours, November 17, 2017, Bay d'Espoir Unit 3 available (76.5 MW).

- 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**

Thu, Nov 16, 2017	Actual Island Peak Demand ⁸	07:40	1,296 MW
Fri, Nov 17, 2017	Forecast Island Peak Demand		1,265 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).