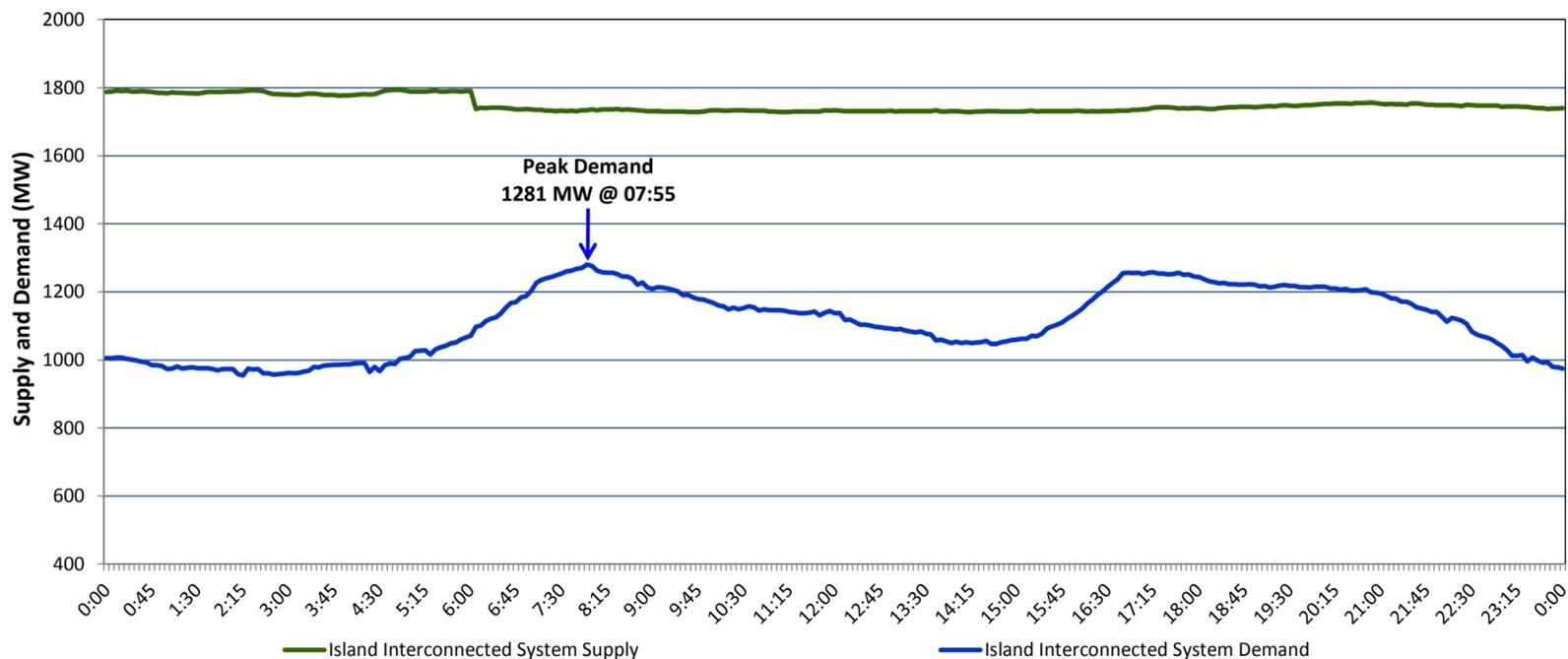


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, December 07, 2017**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Wednesday, December 06, 2017**



Supply Notes For December 06, 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 1908 hours, November 24, 2017, Holyrood Unit 2 available at 160 MW (170 MW).
 - D As of 0852 hours, December 02, 2017, Stephenville Gas Turbine available at 38 MW (50 MW).
 - E As of 1508 hours, December 04, 2017, Holyrood Unit 1 available at 150 MW (170 MW).
 - F **At 0602 hours, December 06, 2017, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).**

**Section 2
Island Interconnected Supply and Demand**

Thu, Dec 07, 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	1,730 MW	Thursday, December 07, 2017	2	5	1,320	1,214
NLH Generation: ⁴	1,450 MW	Friday, December 08, 2017	0	0	1,325	1,219
NLH Power Purchases: ⁶	95 MW	Saturday, December 09, 2017	-1	0	1,315	1,209
Other Island Generation:	185 MW	Sunday, December 10, 2017	0	7	1,350	1,243
Current St. John's Temperature:	2 °C	Monday, December 11, 2017	1	1	1,415	1,307
Current St. John's Windchill:	N/A °C	Tuesday, December 12, 2017	2	4	1,350	1,243
7-Day Island Peak Demand Forecast:	1,415 MW	Wednesday, December 13, 2017	5	5	1,290	1,184

Supply Notes For December 07, 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 and Vale and Praxair 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**

Wed, Dec 06, 2017	Actual Island Peak Demand ⁸	07:55	1,281 MW
Thu, Dec 07, 2017	Forecast Island Peak Demand		1,320 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).