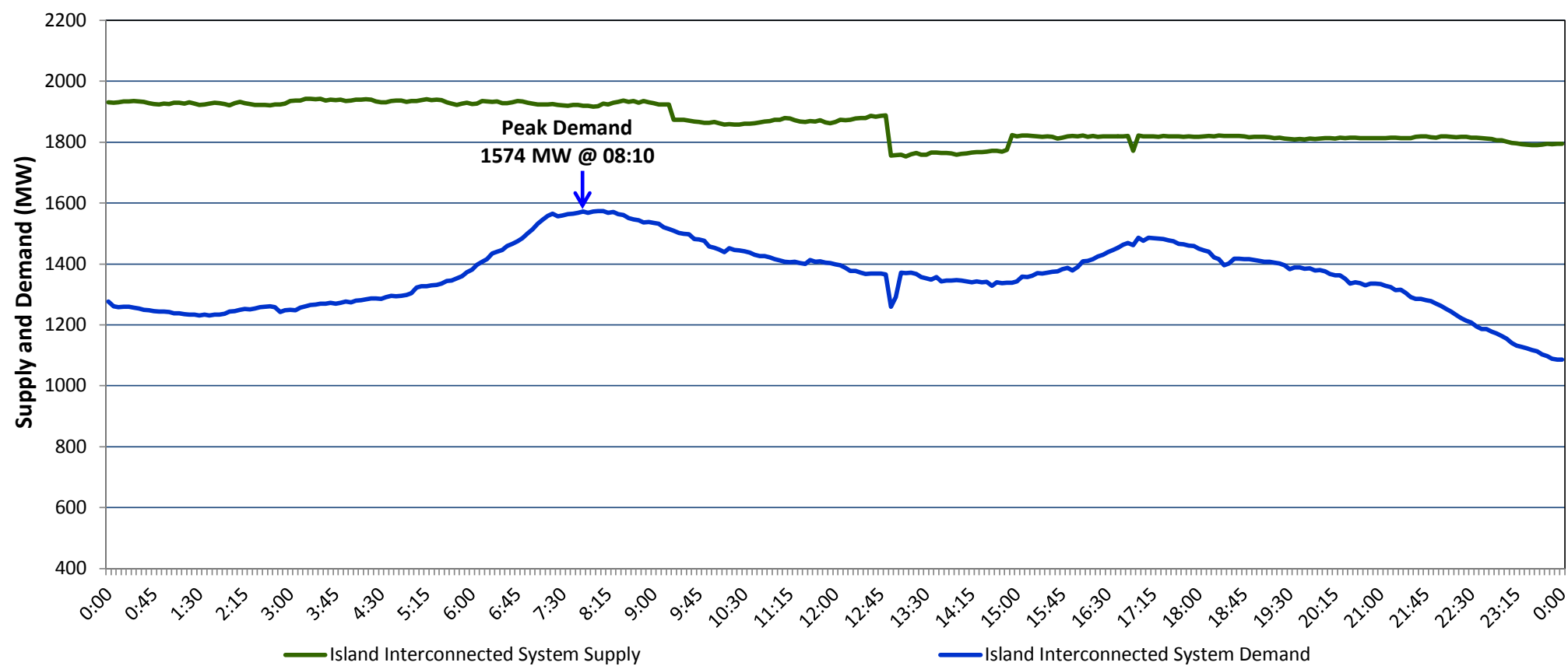


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, January 12, 2018**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Thursday, January 11, 2018**



Supply Notes For January 11, 2018

- 1,2
- A As of 0739 hours, January 03, 2018, Holyrood Unit 2 available at 154 MW (170 MW).
 B As of 2115 hours, January 04, 2018, Stephenville Gas Turbine available at 25 MW (50 MW).
 C As of 0815 hours, January 08, 2018, Holyrood Unit 1 available at 148 MW (170 MW).
 D At 0919 hours, January 11, 2018, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
 E At 1254 hours, January 11, 2018, Holyrood Unit 3 unavailable 130 MW (150 MW).
 F At 1453 hours, January 11, 2018, Hardwoods Gas Turbine available (50 MW).
 G At 1653 hours, January 11, 2018, Hardwoods Gas Turbine unavailable (50 MW).
 H At 1700 hours, January 11, 2018, Hardwoods Gas Turbine available (50 MW).

**Section 2
Island Interconnected Supply and Demand**

Fri, Jan 12, 2018	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	1,790 MW	Friday, January 12, 2018	3	5	1,375	1,268
NLH Generation: ⁴	1,480 MW	Saturday, January 13, 2018	7	10	1,260	1,154
NLH Power Purchases: ⁶	120 MW	Sunday, January 14, 2018	8	10	1,295	1,189
Other Island Generation:	190 MW	Monday, January 15, 2018	11	2	1,340	1,233
Current St. John's Temperature:	3 °C	Tuesday, January 16, 2018	-1	-2	1,480	1,372
Current St. John's Windchill:	N/A °C	Wednesday, January 17, 2018	-2	-1	1,450	1,342
7-Day Island Peak Demand Forecast:	1,480 MW	Thursday, January 18, 2018	0	6	1,380	1,273

Supply Notes For January 12, 2018

- 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, Wind Generation, Vale capacity assistance and Maritime Link Import (when applicable).
 7. Adjusted for CBP&P and Vale and Praxair interruptible load, the impact of voltage reduction and Maritime Link Exports (when applicable).

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

Thu, Jan 11, 2018	Actual Island Peak Demand ⁸	08:10	1,574 MW
Fri, Jan 12, 2018	Forecast Island Peak Demand		1,375 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).