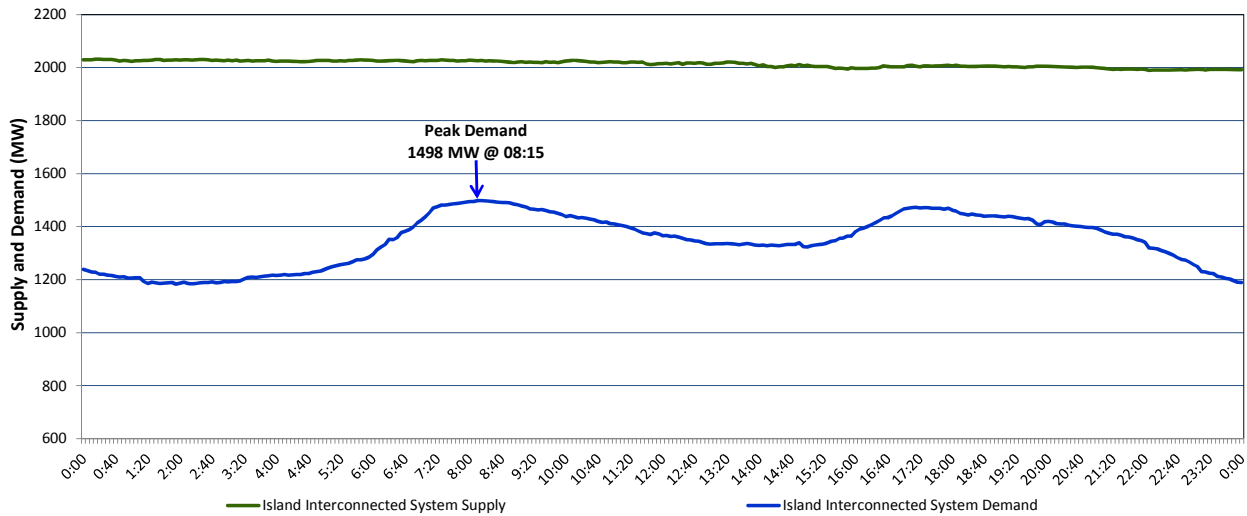


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, January 19, 2017**

**Section 1
Island Interconnected System Supply and Demand
Actual 24 Hour System Performance For Wednesday, January 18, 2017**



Supply Notes For January 18, 2017

^{1,2}

A As of 1920 hours, December 29, 2016, Holyrood Unit 1 available at 160 MW (170 MW).

B As of 1321 hours, January 12, 2017, Stephenville Gas Turbine available at 38 MW (50 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Jan 19, 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	1,980 MW	Thursday, January 19, 2017	-5	-6	1,525	1,422
NLH Generation: ⁴	1,670 MW	Friday, January 20, 2017	-3	-2	1,460	1,358
NLH Power Purchases: ⁶	110 MW	Saturday, January 21, 2017	-1	0	1,520	1,417
Other Island Generation:	200 MW	Sunday, January 22, 2017	-1	-4	1,450	1,348
Current St. John's Temperature:	-8 °C	Monday, January 23, 2017	-7	-6	1,555	1,452
Current St. John's Windchill:	-12 °C	Tuesday, January 24, 2017	-5	-4	1,440	1,338
7-Day Island Peak Demand Forecast:	1,620 MW	Wednesday, January 25, 2017	-12	-2	1,620	1,516

Supply Notes For January 19, 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 Praxair interruptible load as well as the impact of voltage reduction, when applicable.

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

Wed, Jan 18, 2017	Actual Island Peak Demand ⁸	08:15	1,498 MW
Thu, Jan 19, 2017	Forecast Island Peak Demand		1,525 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).