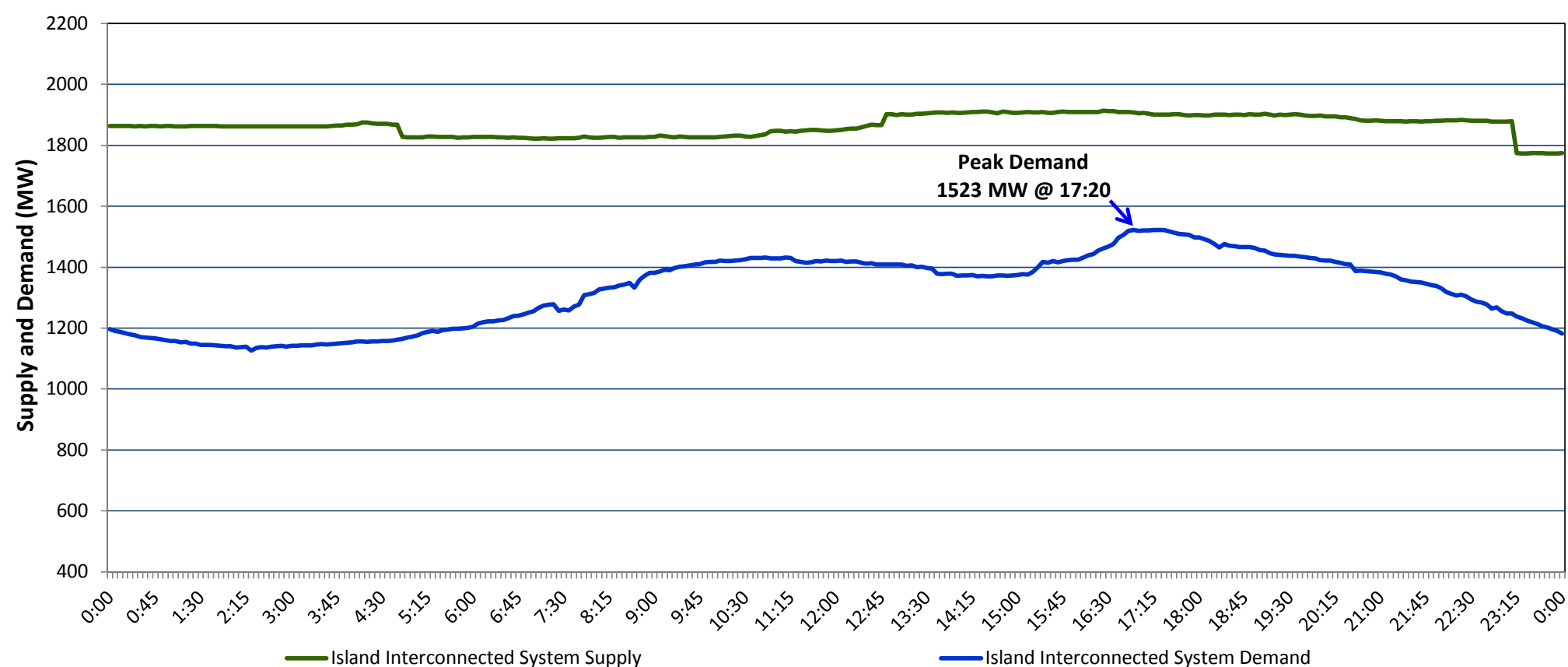


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Tuesday, January 02, 2018**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Saturday, December 30, 2017**



**Supply Notes For December 30, 2017**

- 1,2
- A As of 1610 hours, December 19, 2017, Holyrood Unit 2 available at 160 MW (170 MW).
  - B As of 1052 hours, December 28, 2017, Stephenville Gas Turbine available at 25 (50 MW).
  - C As of 1652 hours, December 29, 2017, Hardwoods Gas Turbine available at 25 MW (50 MW).
  - D As of 2319 hours, December 29, 2017, Holyrood Unit 1 available at 150 MW (170 MW).
  - E At 0447 hours, December 30, 2017, Granite Canal Unit unavailable (40 MW).
  - F At 1245 hours, December 30, 2017, Granite Canal Unit available (40 MW).
  - G At 2310 hours, December 30, 2017, Holyrood Unit 3 unavailable due to planned outage 105 MW (150 MW).

**Section 2  
Island Interconnected Supply and Demand**

Sun, Dec 31, 2017	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted <sup>7</sup>
Available Island System Supply: <sup>5</sup>	1,750 MW	Sunday, December 31, 2017	-4	-3	1,525	1,416
NLH Generation: <sup>4</sup>	1,465 MW	Monday, January 01, 2018	-4	-3	1,500	1,391
NLH Power Purchases: <sup>6</sup>	90 MW	Tuesday, January 02, 2018	-3	-5	1,545	1,436
Other Island Generation:	195 MW	Wednesday, January 03, 2018	-6	-4	1,535	1,426
Current St. John's Temperature:	-4 °C	Thursday, January 04, 2018	-7	-1	1,510	1,401
Current St. John's Windchill:	-10 °C	Friday, January 05, 2018	3	1	1,355	1,248
7-Day Island Peak Demand Forecast:	1,545 MW	Saturday, January 06, 2018	-1	-2	1,450	1,342

**Supply Notes For December 31, 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, 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**

Sat, Dec 30, 2017	Actual Island Peak Demand <sup>8</sup>	17:20	1,523 MW
Sun, Dec 31, 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).