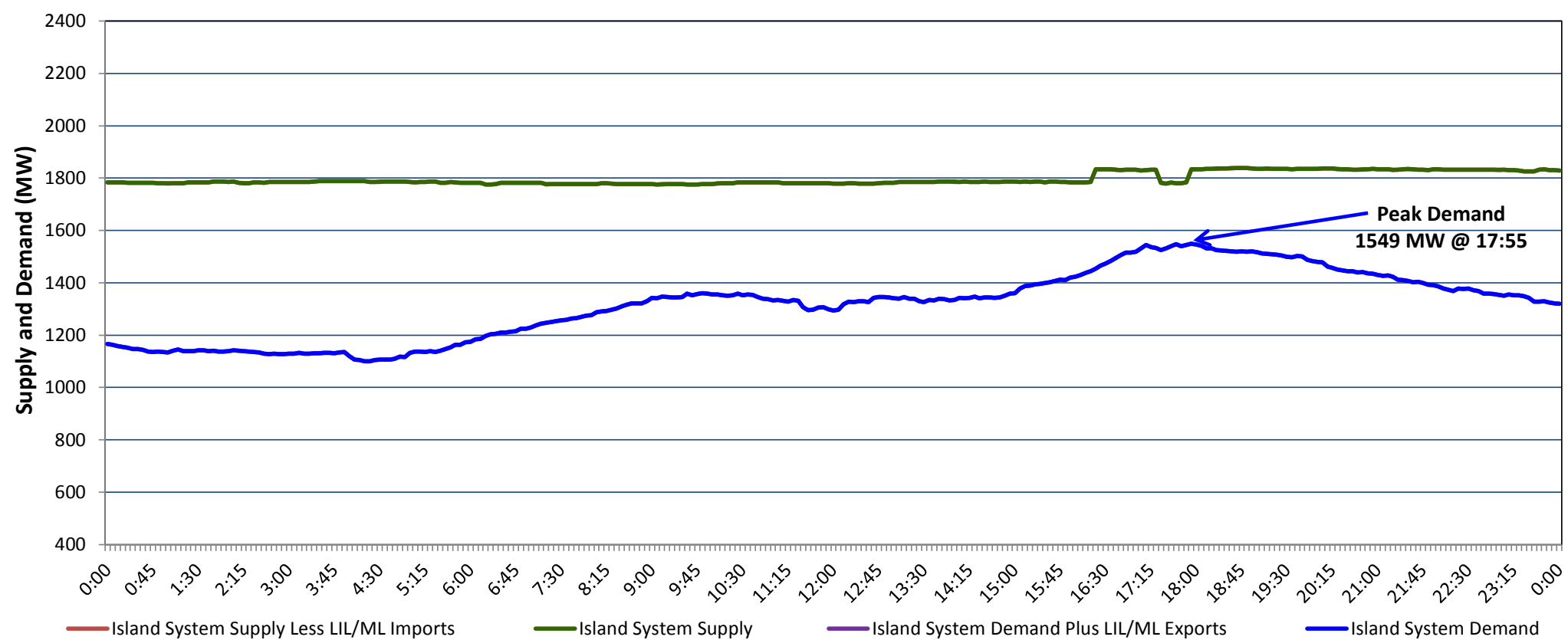


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, January 20, 2020**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Saturday, January 18, 2020**



**Supply Notes For January 18, 2020**

- A As of 1719 hours, December 14, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- B As of 2159 hours, January 17, 2020, Holyrood Unit 2 unavailable (170 MW).
- C At 1621 hours, January 18, 2020, Hardwoods Gas Turbine available (50 MW).
- D At 1724 hours, January 18, 2020, Hardwoods Gas Turbine unavailable (50 MW).
- E At 1751 hours, January 18, 2020, Hardwoods Gas Turbine available (50 MW).

**Section 2  
Island Interconnected Supply and Demand**

Sun, Jan 19, 2020	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>	1,815 MW	Sunday, January 19, 2020	-12	-7	1,560	1,454
NLH Island Generation: <sup>4</sup>	1,475 MW	Monday, January 20, 2020	1	-3	1,435	1,330
NLH Island Power Purchases: <sup>6</sup>	100 MW	Tuesday, January 21, 2020	-6	-9	1,430	1,325
Other Island Generation:	190 MW	Wednesday, January 22, 2020	-10	-7	1,590	1,484
ML/LIL Imports:	50 MW	Thursday, January 23, 2020	-4	-3	1,465	1,360
Current St. John's Temperature & Windchill: -14 °C	-25 °C	Friday, January 24, 2020	-6	-3	1,450	1,345
7-Day Island Peak Demand Forecast:	1,590 MW	Saturday, January 25, 2020	-4	-7	1,430	1,325

**Supply Notes For January 19, 2020**

- F At 0800 hours, January 19, 2020, Stephenville Gas Turbine unavailable 25 MW (50 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 system having no synchronous connections to the larger North American grid, when there is a sudden loss of large generating units there may be a requirement for some customer's load to 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 (UFLS), is necessary to ensure the integrity and reliability of system equipment. Under frequency events have typically occurred 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes. With the activation of the Maritime Link frequency controller during the winter of 2018, UFLS events have occurred less frequently.
  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 Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
  7. Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.

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

Sat, Jan 18, 2020	Actual Island Peak Demand <sup>8</sup>	17:55	1,549 MW
Sun, Jan 19, 2020	Forecast Island Peak Demand		1,560 MW

- Notes: 8. Island Demand / LIL / ML Exports (where applicable) is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).