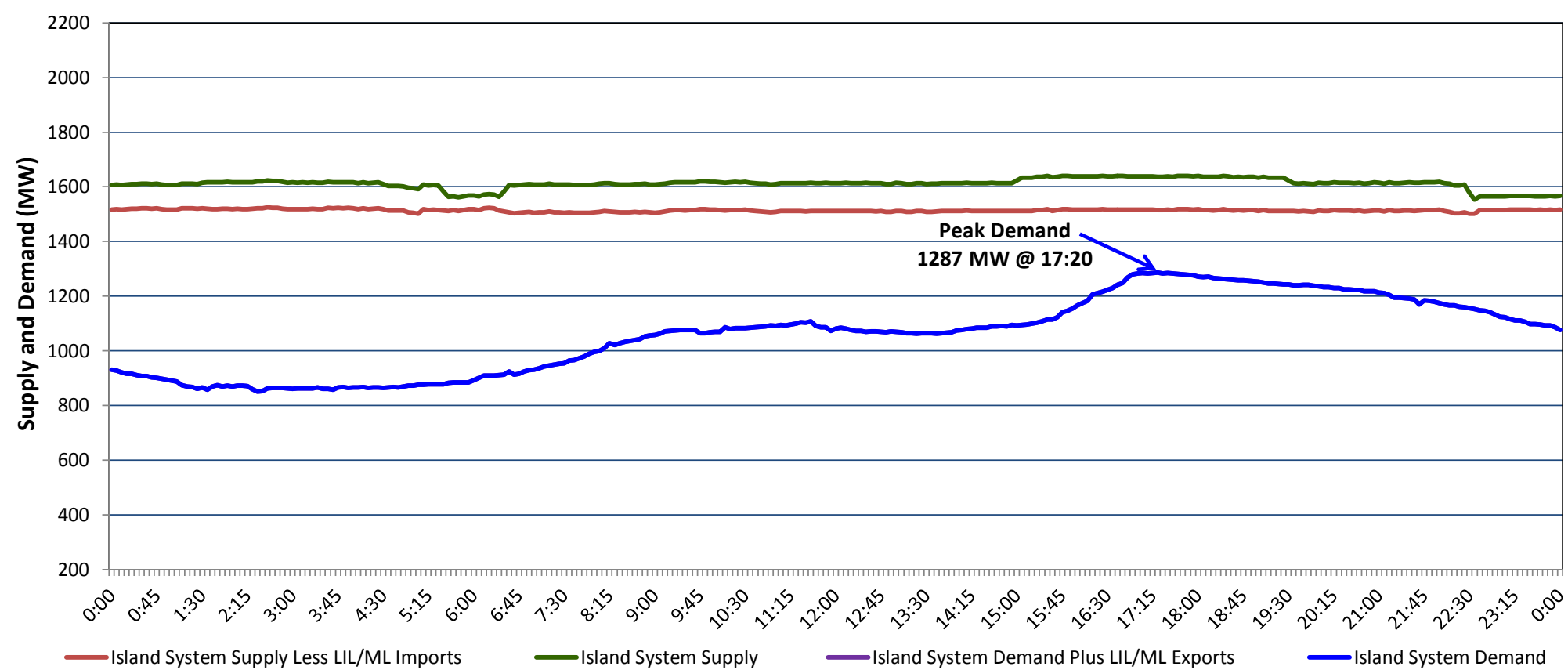


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, November 18, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Saturday, November 16, 2019**



**Supply Notes For November 16, 2019**

- A As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).
- B As of 1305 hours, October 24, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- C As of 2107 hours, October 25, 2019, Bay d'Espoir Unit 3 available at 70 MW (76.5 MW).
- D As of 0800 hours, November 07, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
- E As of 2140 hours, November 07, 2019, Holyrood Unit 2 removed from service for economic dispatch (170 MW).
- F As of 0800 hours, November 10, 2019, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).
- G As of 1614 hours, November 15, 2019, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
- H **At 1316 hours, November 16, 2019, Granite Canal Unit unavailable due to planned outage (40 MW).**
- I **At 1536 hours, November 16, 2019, Granite Canal Unit available (40 MW).**

**Section 2  
Island Interconnected Supply and Demand**

Sun, Nov 17, 2019	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>	1,627 MW	Sunday, November 17, 2019	0	0	1,250	1,156
NLH Island Generation: <sup>4</sup>	1,215 MW	Monday, November 18, 2019	0	2	1,260	1,165
NLH Island Power Purchases: <sup>6</sup>	125 MW	Tuesday, November 19, 2019	7	9	1,090	997
Other Island Generation:	185 MW	Wednesday, November 20, 2019	7	3	1,170	1,076
ML/LIL Imports:	102 MW	Thursday, November 21, 2019	2	2	1,275	1,180
Current St. John's Temperature & Windchill: -2 °C	-11 °C	Friday, November 22, 2019	3	3	1,190	1,096
7-Day Island Peak Demand Forecast:	1,275 MW	Saturday, November 23, 2019	3	4	1,135	1,042

**Supply Notes For November 17, 2019**

- 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, Nov 16, 2019	Actual Island Peak Demand <sup>8</sup>	17:20	1,287 MW
Sun, Nov 17, 2019	Forecast Island Peak Demand		1,250 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).