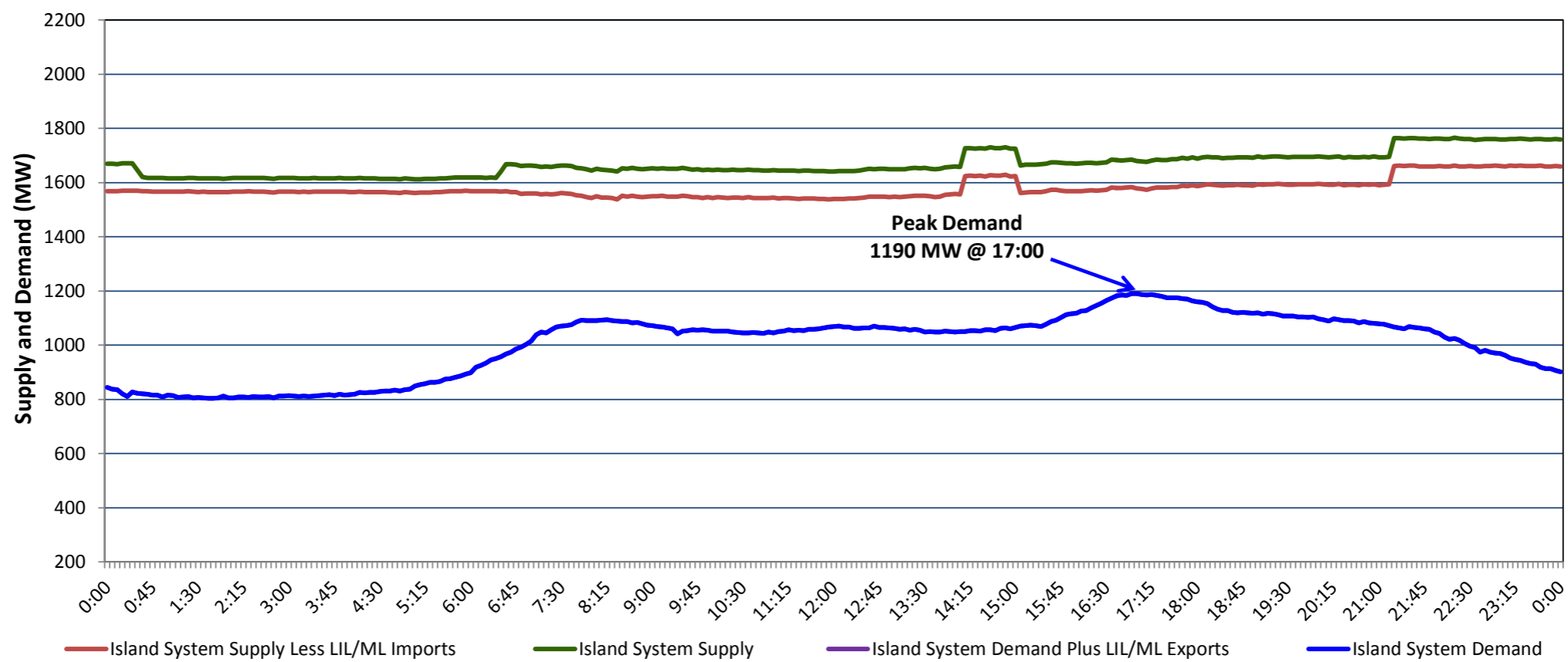


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, November 21, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, November 20, 2019**



Supply Notes For November 20, 2019

- A As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).
- B As of 0800 hours, November 07, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
- C As of 0800 hours, November 10, 2019, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).
- D As of 1124 hours, November 17, 2019, Bay d'Espoir Unit 4 unavailable (76.5 MW).
- E As of 1400 hours, November 17, 2019, Bay d'Espoir Unit 3 available at 70 MW (76.5 MW).
- F As of 1426 hours, November 19, 2019, Stephenville Gas Turbine unavailable due to planned outage 25 MW (50 MW).
- G At 1406 hours, November 20, 2019, Cat Arm Unit 2 available (67 MW).
- H At 1504 hours, November 20, 2019, Cat Arm Unit 1 unavailable due to planned outage (67 MW).
- I At 1632 hours, November 20, 2019, Paradise River Unit available (8 MW).
- J At 2113 hours, November 20, 2019, Cat Arm Unit 1 available (67 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, Nov 21, 2019	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	1,797 MW	Thursday, November 21, 2019	4	4	1,230	1,136
NLH Island Generation: ⁴	1,360 MW	Friday, November 22, 2019	4	3	1,220	1,126
NLH Island Power Purchases: ⁶	135 MW	Saturday, November 23, 2019	3	3	1,180	1,086
Other Island Generation:	200 MW	Sunday, November 24, 2019	2	3	1,200	1,106
ML/LIL Imports:	102 MW	Monday, November 25, 2019	2	5	1,290	1,195
Current St. John's Temperature & Windchill: 3 °C	N/A °C	Tuesday, November 26, 2019	6	4	1,210	1,116
7-Day Island Peak Demand Forecast:	1,290 MW	Wednesday, November 27, 2019	4	1	1,215	1,121

Supply Notes For November 21, 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**

Wed, Nov 20, 2019	Actual Island Peak Demand ⁸	17:00	1,190 MW
Thu, Nov 21, 2019	Forecast Island Peak Demand		1,230 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).