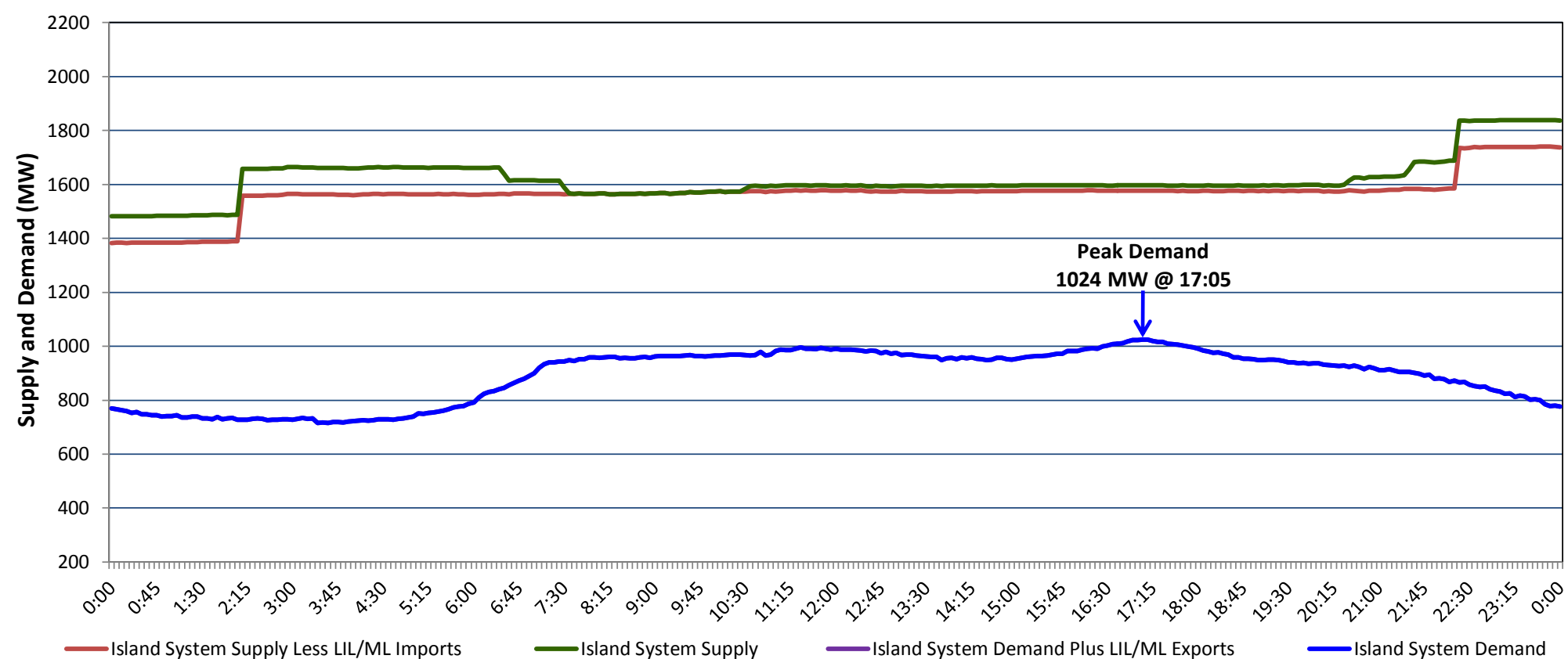


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Thursday, November 07, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Wednesday, November 06, 2019**



**Supply Notes For November 06, 2019**

- A As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).
- B As of 0801 hours, September 29, 2019, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).
- C As of 1305 hours, October 24, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- D As of 2107 hours, October 25, 2019, Bay d'Espoir Unit 3 available 70 MW (76.5 MW).
- E As of 0643 hours, October 26, 2019, Bay d'Espoir Unit 1 unavailable due to planned outage (76.5 MW).
- F At 0208 hours, November 06, 2019, Holyrood Unit 1 available (170 MW).
- G At 1400 hours, November 06, 2019, St. Anthony Diesel Plant available at full capacity (9.7 MW).
- H At 2220 hours, November 06, 2019, Holyrood Unit 3 returned to service (150 MW).

**Section 2  
Island Interconnected Supply and Demand**

Thu, Nov 07, 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>	1,792 MW	Thursday, November 07, 2019	2	4	1,115	1,022
NLH Island Generation: <sup>4</sup>	1,380 MW	Friday, November 08, 2019	7	10	1,025	933
NLH Island Power Purchases: <sup>6</sup>	110 MW	Saturday, November 09, 2019	3	1	1,155	1,062
Other Island Generation:	200 MW	Sunday, November 10, 2019	1	4	1,010	918
ML/LIL Imports:	102 MW	Monday, November 11, 2019	5	8	1,030	938
Current St. John's Temperature & Windchill: 2 °C	N/A °C	Tuesday, November 12, 2019	4	2	1,125	1,032
7-Day Island Peak Demand Forecast:	1,155 MW	Wednesday, November 13, 2019	10	14	970	879

**Supply Notes For November 07, 2019**

- I At 0544 hours, November 07, 2019, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
- J At 0800 hours, November 07, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 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**

Wed, Nov 06, 2019	Actual Island Peak Demand <sup>8</sup>	17:05	1,024 MW
Thu, Nov 07, 2019	Forecast Island Peak Demand		1,115 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).