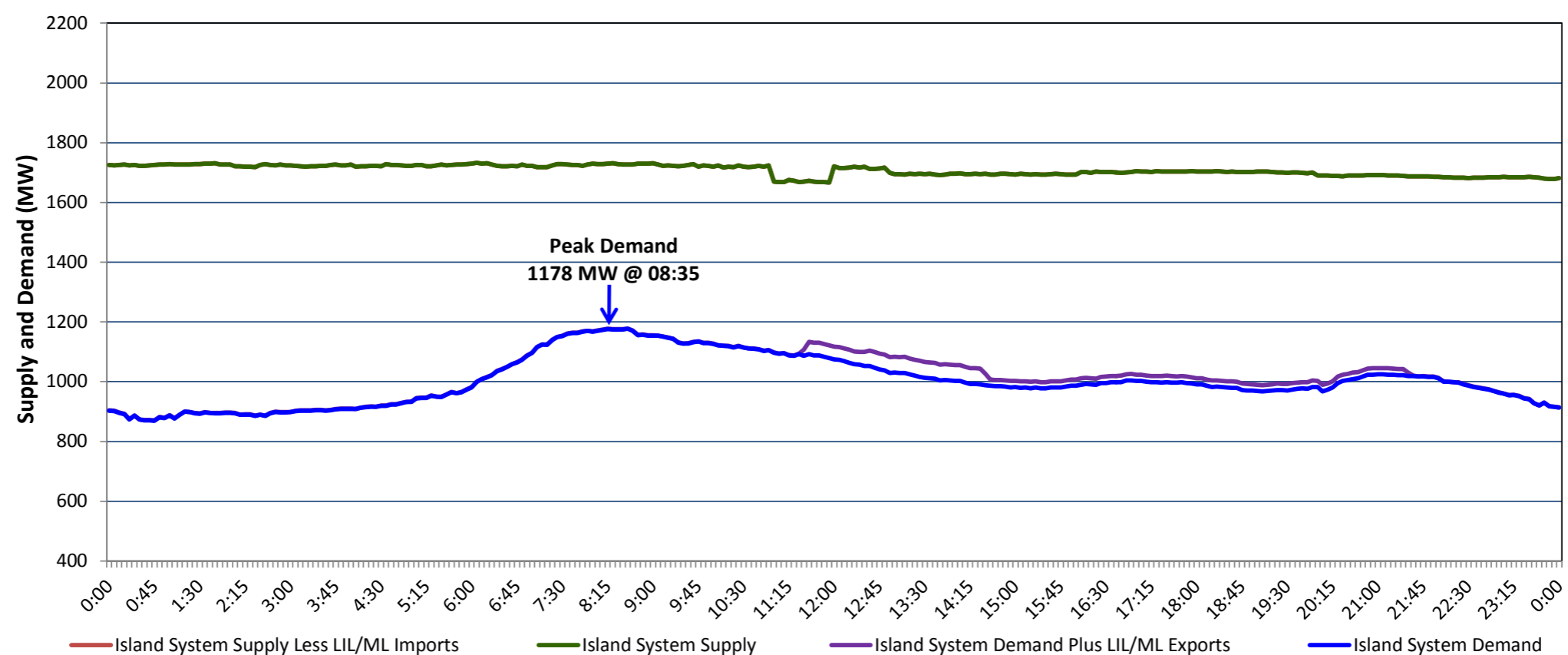


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, May 13, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Friday, May 10, 2019**



**Supply Notes For May 10, 2019**

- 1,2
- A As of 0000 hours, April 01, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
  - B As of 0900 hours, April 23, 2019, St. Anthony Diesel Plant unavailable due to planned outage 7.7 MW (9.7 MW).
  - C As of 1833 hours, April 27, 2019, Hardwoods Gas Turbine available at 25 MW (50 MW).
  - D As of 0918 hours, May 01, 2019, Holyrood Unit 1 available at 166 MW (170 MW).
  - E As of 1049 hours, May 02, 2019, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
  - F As of 1430 hours, May 05, 2019, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
  - G At 1059 hours, May 10, 2019, Stephenville Gas Turbine unavailable due to planned outage (50 MW).
  - H At 1156 hours, May 10, 2019, Stephenville Gas Turbine available (50 MW).

**Section 2  
Island Interconnected Supply and Demand**

Sat, May 11, 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>	1,680	MW		Saturday, May 11, 2019	1	2	1,045	1,045
NLH Island Generation: <sup>4</sup>	1,350	MW		Sunday, May 12, 2019	1	2	1,135	1,135
NLH Island Power Purchases: <sup>6</sup>	110	MW		Monday, May 13, 2019	4	1	1,090	1,090
Other Island Generation:	220	MW		Tuesday, May 14, 2019	3	2	1,035	1,035
ML/LIL Imports:	-	MW		Wednesday, May 15, 2019	3	3	1,045	1,045
Current St. John's Temperature & Windchill:	1 °C	N/A	°C	Thursday, May 16, 2019	4	5	1,090	1,090
7-Day Island Peak Demand Forecast:	1,135	MW		Friday, May 17, 2019	8	11	955	955

**Supply Notes For May 11, 2019**

- 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 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**

Fri, May 10, 2019	Actual Island Peak Demand <sup>8</sup>	08:35	1,178 MW
Sat, May 11, 2019	Forecast Island Peak Demand		1,045 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).