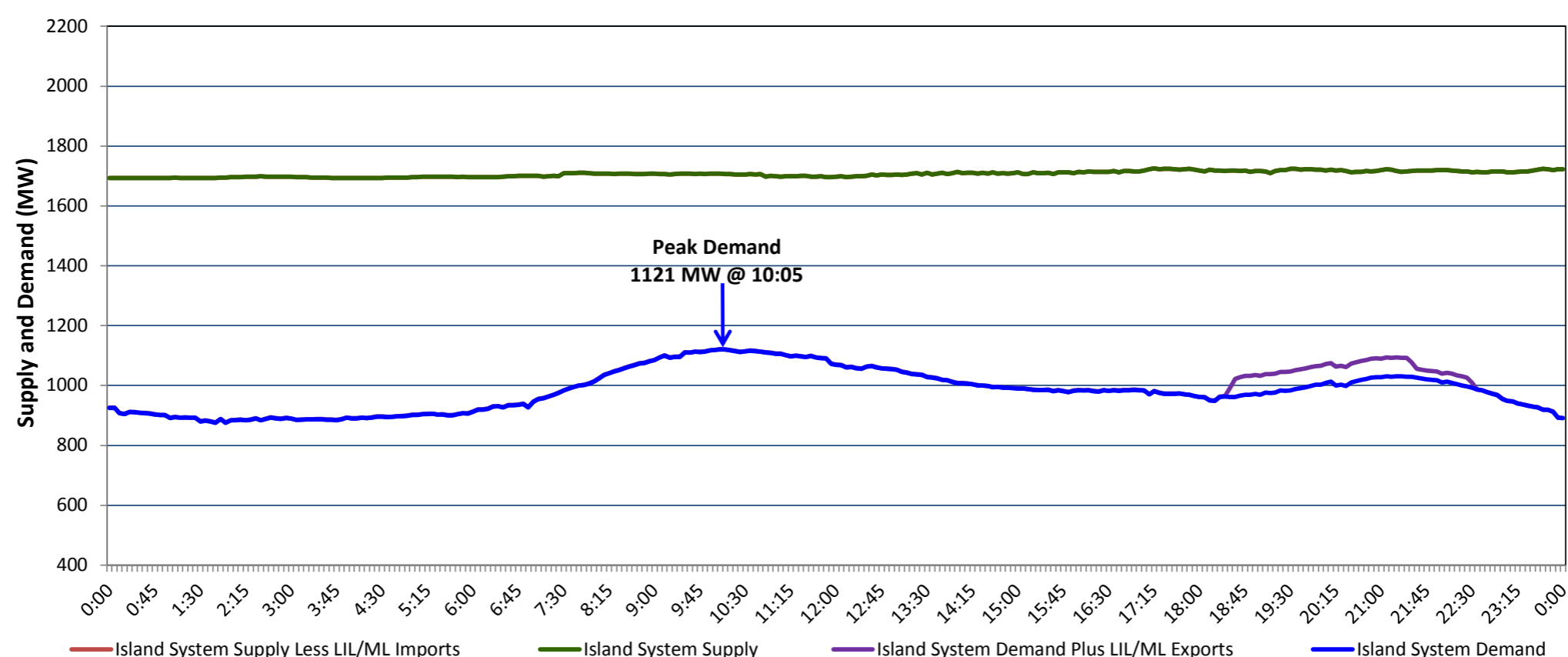


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, May 13, 2019**

**Section 1  
Island Interconnected System Supply, Demand & Exports  
Actual 24 Hour System Performance For Sunday, May 12, 2019**



**Supply Notes For May 12, 2019**

- 1,2
- A As of 0000 hours, April 01, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
  - B As of 1833 hours, April 27, 2019, Hardwoods Gas Turbine available at 25 MW (50 MW).
  - C As of 0918 hours, May 01, 2019, Holyrood Unit 1 available at 166 MW (170 MW).
  - D As of 1049 hours, May 02, 2019, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
  - E As of 1430 hours, May 05, 2019, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
  - F At 0729 hours, May 12, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
  - G At 1048 hours, May 12, 2019, Paradise River Unit unavailable (8 MW).
  - H At 1907 hours, May 12, 2019, Paradise River Unit available (8 MW).

**Section 2  
Island Interconnected Supply and Demand**

Mon, May 13, 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>	1,700 MW	Monday, May 13, 2019	3	2	1,100	1,100
NLH Island Generation: <sup>4</sup>	1,360 MW	Tuesday, May 14, 2019	4	6	1,105	1,105
NLH Island Power Purchases: <sup>6</sup>	125 MW	Wednesday, May 15, 2019	2	5	1,220	1,220
Other Island Generation:	215 MW	Thursday, May 16, 2019	6	5	1,010	1,010
ML/LIL Imports:	- MW	Friday, May 17, 2019	7	5	990	990
Current St. John's Temperature & Windchill: 2 °C	N/A °C	Saturday, May 18, 2019	6	7	940	940
7-Day Island Peak Demand Forecast:	1,220 MW	Sunday, May 19, 2019	4	4	1,080	1,080

**Supply Notes For May 13, 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**

Sun, May 12, 2019	Actual Island Peak Demand <sup>8</sup>	10:05	1,121 MW
Mon, May 13, 2019	Forecast Island Peak Demand		1,100 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).