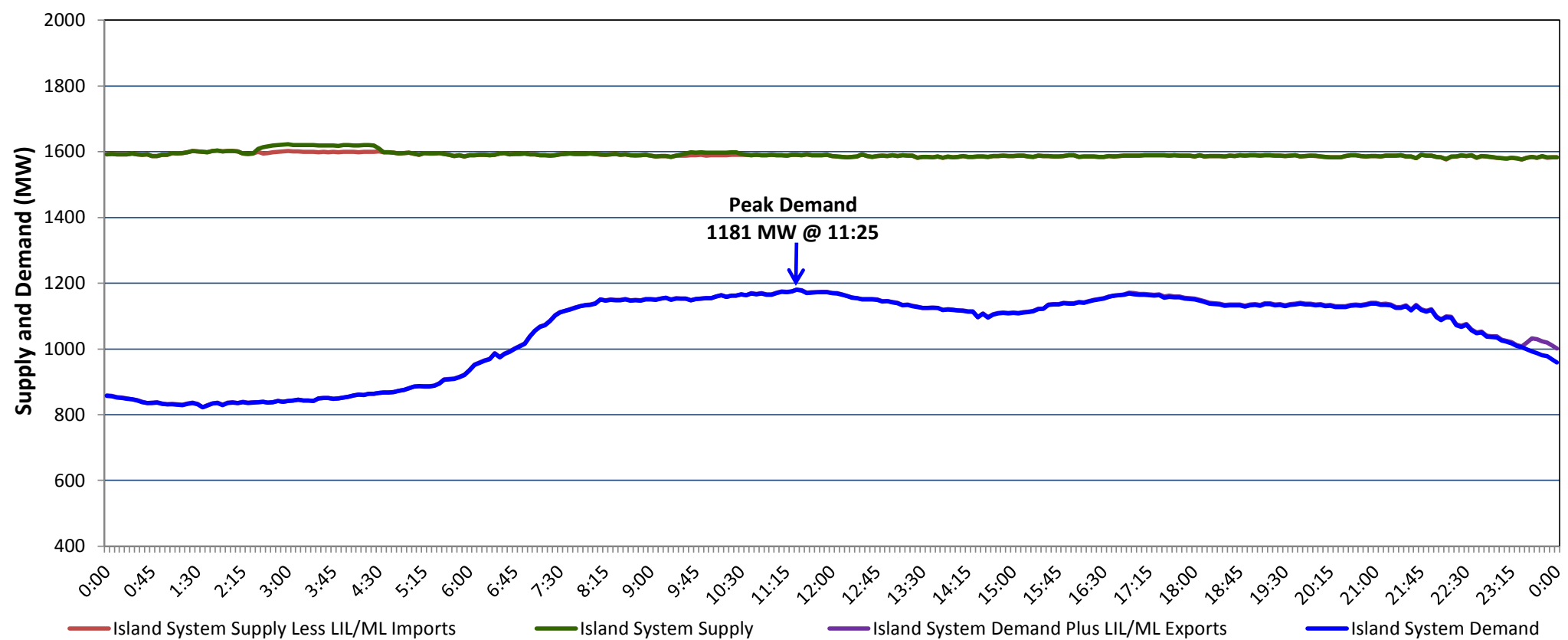


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Thursday, May 23, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Wednesday, May 22, 2019**



Supply Notes For May 22, 2019

1,2

- A As of 0000 hours, April 01, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- B As of 1430 hours, May 05, 2019, Bay d'Espoir Unit 4 unavailable due to planned outage (76.5 MW).
- C As of 0729 hours, May 12, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
- D As of 1000 hours, May 16, 2019, Holyrood Unit 2 removed from service for economic dispatch (170 MW).
- E As of 0805 hours, May 21, 2019, Hardwoods Gas Turbine unavailable due to planned outage 25 MW (50 MW).

**Section 2
Island Interconnected Supply and Demand**

Thu, May 23, 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	1,590 MW	Thursday, May 23, 2019	3	3	1,190	1,190
NLH Island Generation: ⁴	1,245 MW	Friday, May 24, 2019	3	5	1,135	1,135
NLH Island Power Purchases: ⁶	130 MW	Saturday, May 25, 2019	7	5	930	930
Other Island Generation:	215 MW	Sunday, May 26, 2019	5	4	895	895
ML/LIL Imports:	- MW	Monday, May 27, 2019	5	5	975	975
Current St. John's Temperature & Windchill:	2 °C	Tuesday, May 28, 2019	5	7	970	970
7-Day Island Peak Demand Forecast:	1,190 MW	Wednesday, May 29, 2019	3	5	1,090	1,090

Supply Notes For May 23, 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**

Wed, May 22, 2019	Actual Island Peak Demand ⁸	11:25	1,181 MW
Thu, May 23, 2019	Forecast Island Peak Demand		1,190 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).