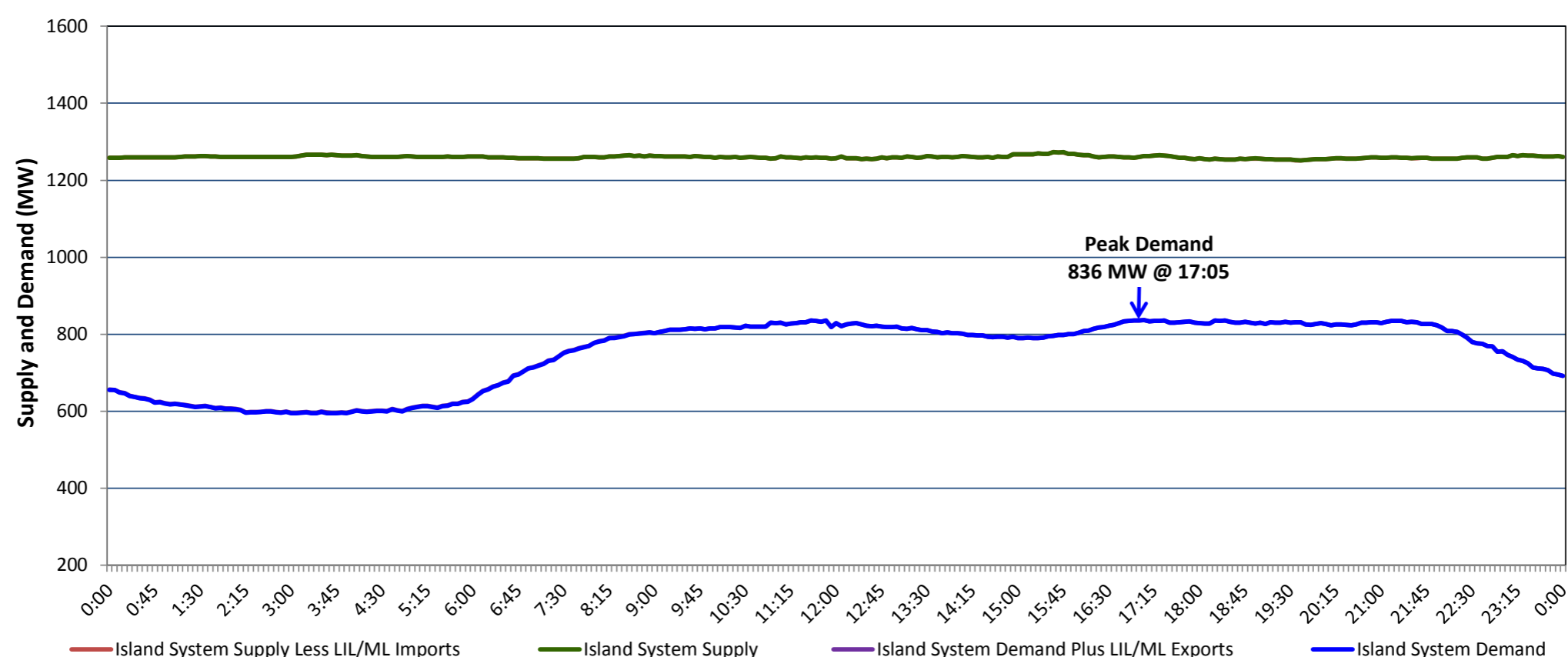


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, July 12, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, July 11, 2019**



Supply Notes For July 11, 2019

- 1,2
- A As of 0000 hours, April 01, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
 - B As of 0729 hours, May 12, 2019, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
 - C As of 1303 hours, May 26, 2019, Bay d'Espoir Unit 7 unavailable due to planned outage (153.4 MW).
 - D As of 1436 hours, June 15, 2019, Holyrood Unit 1 removed from service for economic dispatch (170 MW).
 - E As of 1507 hours, June 16, 2019, Granite Canal Unit unavailable due to planned outage 36 MW (40 MW).
 - F As of 0800 hours, June 17, 2019, Holyrood Unit 2 unavailable due to planned outage (170 MW).
 - G As of 1457 hours, June 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).

**Section 2
Island Interconnected Supply and Demand**

Fri, Jul 12, 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	1,260	MW	Friday, July 12, 2019	9	11	845	845
NLH Island Generation: ⁴	980	MW	Saturday, July 13, 2019	13	14	780	780
NLH Island Power Purchases: ⁶	100	MW	Sunday, July 14, 2019	11	14	800	800
Other Island Generation:	180	MW	Monday, July 15, 2019	13	14	800	800
ML/LIL Imports:	-	MW	Tuesday, July 16, 2019	14	16	785	785
Current St. John's Temperature & Windchill:	8 °C	N/A °C	Wednesday, July 17, 2019	15	17	760	760
7-Day Island Peak Demand Forecast:	845	MW	Thursday, July 18, 2019	16	19	790	790

Supply Notes For July 12, 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**

Thu, Jul 11, 2019	Actual Island Peak Demand ⁸	17:05	836 MW
Fri, Jul 12, 2019	Forecast Island Peak Demand		845 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).