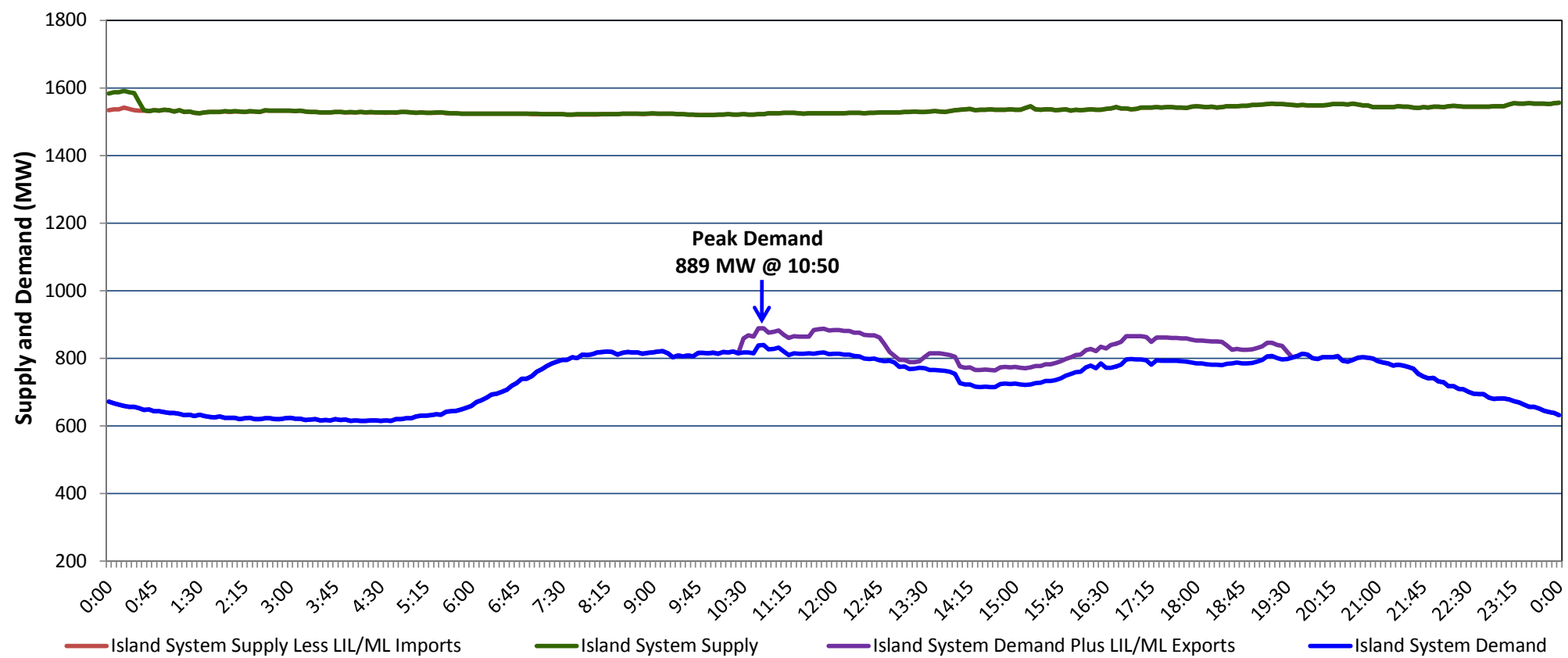


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, September 27, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, September 26, 2019**



Supply Notes For September 26, 2019

- A As of 0800 hours, July 29, 2019, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- B As of 1150 hours, August 18, 2019, Hinds Lake Unit unavailable due to planned outage (75 MW).
- C As of 1300 hours, August 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- D As of 0225 hours, September 20, 2019, Holyrood Unit 3 available at 140 MW (150 MW).
- E As of 1031 hours, September 22, 2019, Bay d'Espoir Unit 1 unavailable (76.5 MW).
- F As of 1031 hours, September 22, 2019, Bay d'Espoir Unit 2 unavailable (76.5 MW).

**Section 2
Island Interconnected Supply and Demand**

Fri, Sep 27, 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	1,585 MW	Friday, September 27, 2019	10	11	840	840
NLH Island Generation: ⁴	1,260 MW	Saturday, September 28, 2019	11	11	870	870
NLH Island Power Purchases: ⁶	90 MW	Sunday, September 29, 2019	11	11	905	905
Other Island Generation:	185 MW	Monday, September 30, 2019	7	5	1,055	1,055
ML/LIL Imports:	50 MW	Tuesday, October 01, 2019	5	6	1,070	1,070
Current St. John's Temperature & Windchill:	9 °C	Wednesday, October 02, 2019	5	5	1,055	1,055
7-Day Island Peak Demand Forecast:	1,070 MW	Thursday, October 03, 2019	4	4	1,070	1,070

Supply Notes For September 27, 2019

- 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, Sep 26, 2019	Actual Island Peak Demand ⁸	10:50	889 MW
Fri, Sep 27, 2019	Forecast Island Peak Demand		840 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).