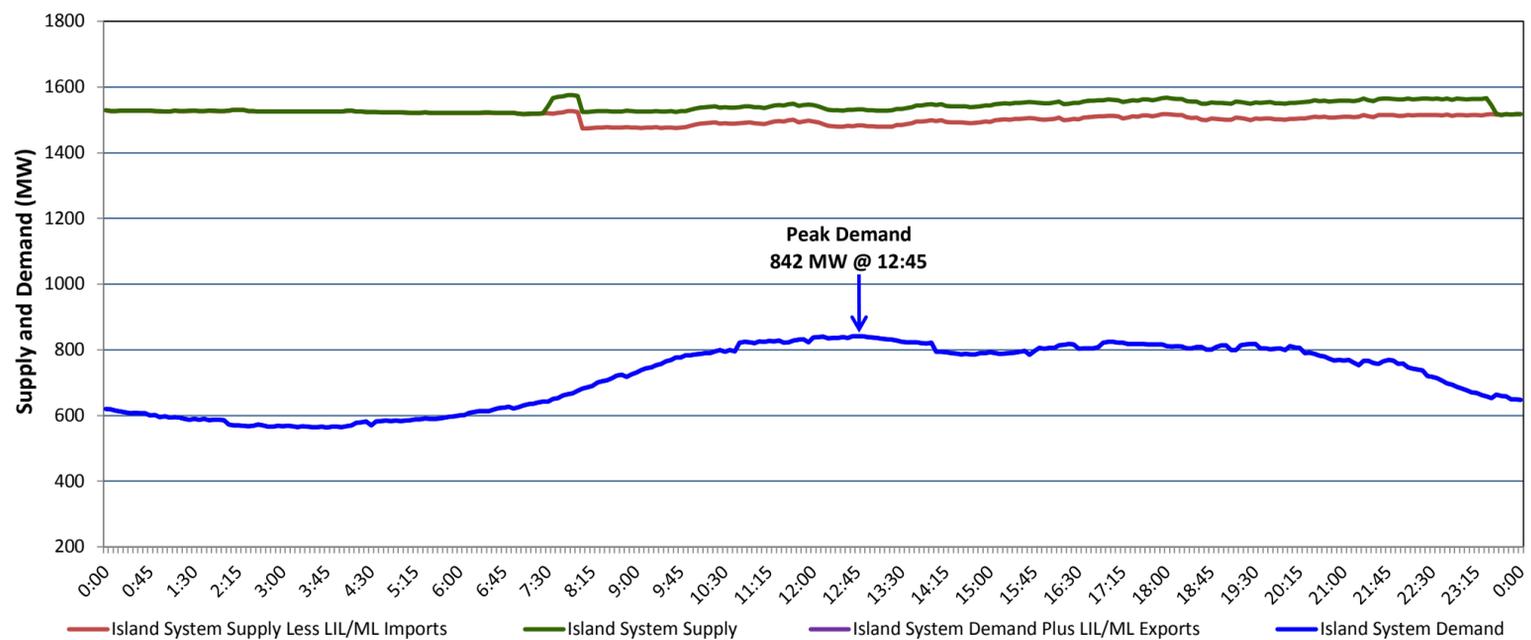


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Monday, September 30, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Sunday, September 29, 2019**



Supply Notes For September 29, 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).
- G **At 0801 hours, September 29, 2019, Hardwoods Gas Turbine unavailable due to planned outage (50 MW).**

**Section 2
Island Interconnected Supply and Demand**

Mon, Sep 30, 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	1,549	MW	Monday, September 30, 2019	7	6	940	940
NLH Island Generation: ⁴	1,210	MW	Tuesday, October 01, 2019	6	6	1,070	1,070
NLH Island Power Purchases: ⁶	110	MW	Wednesday, October 02, 2019	5	5	1,050	1,050
Other Island Generation:	180	MW	Thursday, October 03, 2019	6	5	1,095	1,095
ML/LIL Imports:	49	MW	Friday, October 04, 2019	5	5	1,040	1,040
Current St. John's Temperature & Windchill:	6 °C	N/A	Saturday, October 05, 2019	0	1	1,255	1,255
7-Day Island Peak Demand Forecast:	1,255	MW	Sunday, October 06, 2019	4	4	1,020	1,020

Supply Notes For September 30, 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**

Sun, Sep 29, 2019	Actual Island Peak Demand ⁸	12:45	842 MW
Mon, Sep 30, 2019	Forecast Island Peak Demand		940 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).